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REPORT ON

Phase I Environmental Site Assessment 55 Lodge Road, Ottawa Police Services South Campus Facility Ottawa, Ontario

Submitted to:

Ottawa Police Service
Corporate Support
P.O. Box 9634, Station T
Ottawa ON
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REPORT



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Distribution:

- 1 e-copy - City of Ottawa/Ottawa Police Services
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Executive Summary

Golder Associates Ltd. (Golder) was retained by the Ottawa Police Service to conduct a Phase One Environmental Site Assessment (Phase One ESA) for the vacant property located south of the current Carleton Lodge Retirement Home with which it shares a listed address of 55 Lodge Rd., Ottawa, Ontario K2C 3H1 (hereinafter collectively referred to as the “Site” or “Phase One Property”) as shown on Figures 1 and 2. The Site is vacant land overgrown with vegetation, but was historically used for agriculture and a retirement home building (Carleton Lodge Retirement Home). The Site has an approximate area of 6.2 hectares (15.3 acres) and is proposed to be developed with a new police services campus facility for the Ottawa Police.

This Phase One ESA was completed in general accordance with the Ontario Regulation (O.Reg.) 153/04 (as amended). The Phase One ESA also meets the requirements of the Canadian Standards Association (“CSA”) Standard Z768-01, *Phase One Environmental Site Assessment* (reaffirmed 2012). It is understood that this Phase One ESA is being carried out to support a Site Plan application with the City of Ottawa (the City).

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 One ESA 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 was used for agricultural purposes until it was developed with a retirement home in 1959. The retirement home was demolished in 1989 and the property has been vacant since then. As such, the Site is not considered an enhanced investigation property as defined by O. Reg. 153/04.

At the time of the Site visit on September 26th, 2016, the Site was vacant land with a single small open air shed believed to be left from the original Carleton Lodge. It was overgrown with vegetation and trees and no operations or any other activities were being carried out at the Site. Historically, the Site has been occupied by the Carleton Lodge Retirement Home between 1959 and 1989 when the building was demolished. Since 1989 the Site has been vacant land.

At the time of the Phase One ESA, the neighbouring properties within the Phase One Study Area were used for residential and parkland purposes. The Site was surrounded by the Carleton Lodge Retirement Home to the northeast which was built in 1989 after the demolition of the original home historically located on the Site; Lodge Road and the Rideau River to the east; residential dwellings to the south and southwest; Prince of Whales Drive (County Rd 73) which runs from the northwest to the southwest; and, residential dwellings to the northeast.



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Based on the information collected as part of this Phase One ESA, the following potentially contaminating activity (PCA) that may have resulted in an area of potential environmental concern (APEC) was identified:

- A heating oil underground storage tank (UST) associated with the original Carleton Lodge retirement home was located on the Site. Based on the information obtained from the review of the specifications for the original Carleton Lodge building historically located on the Site, the heating oil UST had a capacity of 22,730 L. No records or drawings documenting the removal or the location of the heating oil UST were available. In addition, no evidence of the former UST was noted during the Site visit.

Based on the information collected as part of this Phase One ESA, one APEC was identified on the Site as follows:

- APEC1- Potential for impacts in soil and/or groundwater in the area of the heating oil UST. As the presence and exact location of the heating oil UST is unknown at this time, for the purpose of this Phase One ESA, the general area where the original Carleton Lodge building was located is defined to be APEC1. The potential contaminants of concern include: PHC F1 to F4, BTEX, and PAHs.

Given that an APEC was identified on the Site during the Phase One ESA, a Phase Two ESA is recommended to be carried out at the Site to investigate the potential for subsurface impacts associated with the heating oil UST. The scope of this Phase Two ESA should be to confirm whether the UST was removed and to investigate the presence/absence of subsurface contamination in the area of the UST that still may be on the Site near the location of the original Carleton Lodge.



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1.0 INTRODUCTION

1.1 Phase One Property Information

Golder Associates Ltd. (Golder) was retained by the Ottawa Police Service to conduct a Phase One Environmental Site Assessment (Phase One ESA) for the vacant property located south of the Carleton Lodge Retirement Home, with which it shares a listed address of 55 Lodge Rd., Ottawa, Ontario K2C 3H1 (hereinafter collectively referred to as the “Site” or “Phase One Property”) as shown on Figures 1 and 2. The Site is vacant land overgrown with vegetation and trees, but was historically used for agriculture and a retirement home building (Carleton Lodge Retirement Home). The Site has an approximate area of 6.2 hectares (15.3 acres) and is proposed to be developed with a new police services campus facility for the Ottawa Police.

The general Site location is shown on Figure 1.

Based on the information provided by a legal title search, the legal description of the Site is: Part of Lots 10 & 11, Concession 1, Rideau Front & Part of the Road allowance between Lots 10 & 11, Concession 1, Rideau Front, as described in Instruments CR367722, CR367724 & CR367725, formerly City of Nepean, City of Ottawa. PIN 04589-0293.

Contact information for the Site including the current owner is provided in Table 1 below.

Table 1: Site ownership information

Address	Current Site Owner	Contact Information
55 Lodge Rd. Ottawa, Ontario K2C 3H1	City of Ottawa	Pauline Dicaire Ottawa Police Service 19 Fairmont Ave. P.O. Box 9634, Station T Ottawa, ON K1G 6H5 Tel: (613) 236-1222 ext. 4432 Email: DicaireP@ottawapolice.ca

2.0 SCOPE OF INVESTIGATION

A Phase One 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 Site, as well as a review of relevant and readily available environmental information for the surrounding properties located within a 250 metre (m) radius of the boundary of the Site (collectively referred to as the “Phase One Study Area”). The boundary of the Phase One Study Area is presented in Figure 2.

According to Ontario Regulation (“O.Reg.”) 153/04 *Records of Site Condition*, the objectives of a Phase One ESA are to:

- 1) Develop a preliminary determination of the likelihood that one or more contaminants have affected any land or water on, in or under the Site;
- 2) Determine the need for a Phase Two Environment Site Assessment (“ESA”);
- 3) Provide a basis for carrying out a Phase Two ESA;



- 4) Provide adequate preliminary information about environmental conditions in the land or water on, in or under the Site for the conduct of a risk assessment following completion of a Phase Two ESA if needed; and,
- 5) 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.

It is understood that this Phase One ESA is being carried out to support a Site Plan application with the City of Ottawa (the City) associated with the proposed development of a police police services campus facility on the Site. This Phase One ESA was completed in general accordance with the Ontario Regulation (O.Reg.) 153/04 (as amended) in order to comply with the City's current Official Plan requirements that all Phase One ESA reports that are submitted for Site Plan Approval be completed in accordance with the O.Reg.153/04 as amended. The Phase One ESA also meets the requirements of the Canadian Standards Association (CSA) Standard Z768-01, *Phase One Environmental Site Assessment* (reaffirmed 2012).

The Site was used for agricultural purposes until it was developed with a retirement home in 1959. The retirement home was demolished in 1989 and has been vacant since then. As such, the Site is not considered an enhanced investigation property as defined by O. Reg. 153/04.

3.0 HISTORICAL RECORDS REVIEW

3.1 General

3.1.1 Phase One Study Area Determination

For the purpose of this Phase One ESA, the Phase One Study Area is the area within a 250 m radius of the boundary of the Site. Based on Golder's review of the historical and current information compiled as part of this Phase One ESA for the area surrounding the Site and observations of neighbouring properties made during the Site visit, it was concluded that an assessment of information pertaining to properties within 250 m of the boundary of the Site was sufficient to achieve the objectives of the Phase One ESA.

3.1.2 First Developed Use Determination

The date of first developed use of the Phase One Property was determined based on review of the chain of title information, aerial photographs, city directories, EcoLog ERIS Report and information provided by the Site representative. The Phase One Property was owned by private individuals and used for agriculture purposes from 1809 to 1958. It was then purchased by the Corporation of the County of Carleton, which became part of the City of Ottawa in 2001. The northern portion of the Phase One Property was first developed with a residential dwelling, the Carleton Lodge Retirement Home, in 1959 (hereinafter referred to as "original Carleton Lodge"). In 1989, the dwelling was demolished as a new facility for the Carleton Lodge was built next to the Phase One Property, approximately 50 m to the northeast where it is presently located (hereinafter referred to as "new Carleton Lodge"). This progression can be seen in aerial photographs.

The 1956 aerial photograph shows the Site as agricultural land. The aerial photographs from 1965 to 1987 show the Site as developed with the original Carleton Lodge. The 1987 aerial shows a building being constructed to the northeast of the Phase One Property which matches the building footprint of the new Carleton Lodge. In the 1994 and subsequent air photos, the Phase One Property is vacant and appears undeveloped with the dwelling removed.



3.1.3 Review of Fire Insurance Maps and Reports

Environmental Risk Information Service (“ERIS”) was contacted by Golder and requested to review their records for any information (i.e., fire insurance plans or reports) relating to the Site. Golder was informed by ERIS on May 31, 2016 that no records were found pertaining to the Site (refer to copy of correspondence in Appendix C).

3.1.4 Chain of Title

Chain of title information for the Phase One Property was obtained from Wentzell Titles and is listed in Table 2 below. A copy of the chain of title is included in Appendix C.

Table 2: Chain of Title information for 55 Lodge Rd.

Owner's Name	Dates of Ownership
Crown	Prior to February 25, 1809
Robert Randall	February 25, 1809 to May 16, 1822
Levius P. Sherwood	May 16, 1822 to October 7, 1850
Charlotte Elmsley	October 7, 1850 to October 12, 1877
Hon. George Sherwood	October 12, 1877 to February 7, 1878
William M. Dawson	February 7, 1878 to October 18, 1890
Amelia M. Dawson	October 18, 1890 to March 17, 1891
Henry N. Bate	March 17, 1891 to April 21, 1891
John Tierney	April 21, 1891 to April 18, 1900
John T. Tierney	April 18, 1900 to July 12, 1911
Joshua Clothier	July 12, 1911 to March 31, 1917
Norman W. Rivington	March 31, 1917 to November 7, 1917
Albert W. Davidson	November 7, 1917 to January 13, 1958
Corporation of the County of Carleton (became part of the City of Ottawa in 2001)	January 13, 1958 to Present

The review of the chain of title indicated that the Site was owned by private parties over the years until 1958 when the Site was purchased by the Corporation of the County of Carleton for the construction of the original Carleton Lodge building. No potentially contaminating activities (PCAs) or areas of potential environmental concern (APECs) associated with the Site ownerships were identified.

3.1.5 Environmental and Historical Reports

The following environmental and historical reports related to the Site and adjacent property north of the Site were provided by Mr. Richard Barker of the City of Ottawa to Golder for review as part of this Phase One ESA. Reports are ordered below from oldest to most recent. While technical peer reviews of the reports were not completed, noteworthy findings are summarized in Table 3. Golder consulted these reports to develop an understanding of any issues previously identified for the Site and surrounding properties:



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- 1) "1959 Building Specifications" for the Site: Noffke & Ingram Architects. 1959. *Specifications Dated Circa 1959 Carleton Lodge Home for the Aged (Job No 1333)* Prepared for Carleton County.
- 2) "1989 Geotechnical Investigation" for the adjacent property north of the Site: RMOC Materials Test Laboratory. July 20, 1989. *Subsurface Investigation of Proposed Access Road, Carleton Place Lodge HWY. 16 to Carleton Place Lodge*. Prepared for the Corporation of Carleton County.
- 3) "1995 History of Carleton Lodge" for the Site: Ottawa-Carleton. 1995. *Carleton Lodge 35 Years of Caring*. Prepared for publication.
- 4) "2008 Petroleum System Decommissioning" for the adjacent property north of the Site: SLR Consulting. November 13, 2008. *RE: Carleton Lodge 55 Lodge Rd, Manotick, ON – Petroleum System Decomm.* Prepared for City of Ottawa.
- 5) "2009 Limited Phase Two ESA" for the adjacent property north of the Site: Terrapex. July 2009. *City of Ottawa Limited Phase Two Environmental Site Assessment Report 55 Lodge Road Manotick, Ontario*. Prepared for City of Ottawa.
- 6) "2010 Underground Fuel Pipe Removal" for the adjacent property north of the Site: SLR Consulting. October 2010. *City of Ottawa Underground Fuel Piping Removal Carleton Lodge – 55 Lodge Road, Manotick, ON*. Prepared for City of Ottawa.

Table 3: Summary of historical and environmental information review findings.

Report	Factual Information
1959 Building Specifications	Two USTs, a 22,730 L tank for heating oil and a 4,546 L tank for liquefied petroleum gas, were installed as part of the original Carleton Lodge on the Site. Additionally, lead based paints were used in the construction of the building.
1989 Geotechnical Investigation	No mention of contamination. Provided borehole information regarding the shallow subsurface. Specifically, that it is an inorganic native silty clay up to a depth of at least 3.5 m, and that this material is susceptible to frost heave.
1995 History of Carleton Lodge	No mention of contamination. Provided history of development on the Site, specifically the dates of the original Carleton Lodge's construction and demolition. It was constructed in 1959, and officially opened its doors in October 1960. The last structure on the Site was demolished in October 1989.
2008 Petroleum System Decommissioning	Conducted Off-Site at the new Carleton Lodge, approximately 75 m to 100 m north of the Site. On October 6, 2008, the 55,000L petroleum UST was removed. The tank appeared to be in good condition, but two contaminant exceedances were noted in the surrounding soil and one of the fuel lines lacked pressure and was noted as a potential concern for underground spillage.
2009 Limited Phase Two ESA	Conducted Off-Site at the new Carleton Lodge, north of the Site. A follow up to the 2008 Petroleum System Decommissioning to check for evidence of contamination in the surrounding soils and groundwater. Monitoring wells were installed and groundwater samples collected, and all levels tested below the groundwater contamination limits. No evidence of environmental contamination was identified.
2010 Underground Fuel Pipe Removal	Conducted Off-Site at the new Carleton Lodge, north of the Site. The fuel pipes which once connected to the petroleum system were also removed. The soil surrounding these lines were checked for contamination and none was found.



Golder note: The two USTs identified in the 1959 Building Specifications represent PCAs that may contribute to an APEC, especially since no record of their removal or location on the Site were found. The heating oil tank poses a significant risk to the surrounding soil and groundwater in the event of a leak, and should be considered a PCA that contributes to an APEC. However, given that the contents of the liquid petroleum gas tank would evaporate upon tank rupture, this UST is not considered a PCA.

The petroleum UST and accompanying pipe system removal from the new Carleton Lodge is an off-Site PCA. Given that the UST was removed, the distance between the former UST and the Site (approximately 160 m north of the Site), that the former UST was located cross-gradient of the Site and that the soil and groundwater verification sampling completed after the UST removal indicated no impacts to soil or groundwater, this PCA is not considered an APEC for the Site.

3.1.6 Review of Street Directories

Golder ordered a street directory search from EcoLog Environmental Risk Information Services Ltd. ("EcoLog ERIS") for the years 1961, 1966, 1971, 1976, 1981/82, 1987, 1992, 1996/97, 2001/02, 2006/07 and 2011 for the Site and surroundings properties (refer to copy of correspondence in Appendix C).

- The Site was first listed in as Multi-tenant residential in 1992 and was listed as such up to at least 2011. It must be noted that this listing was filed in regards to the Carleton Lodge Retirement Home which, while it shares the same municipal address, is not part of the Phase One Property. It encompasses the northern half of the property which is not considered as part of the Site. The Site itself is unlisted in the Street Directory report; and,
- The surrounding properties were not listed until 1992 when 3600 Woodroffe Avenue and 14 Lodge Road were listed as residential (1 tenant). In 2006-07, 20 Lodge Road and 113 Willow Creek Circle were also listed as residential (1 tenant), and 3600 Woodroffe Avenue became a residential (2 tenants). Finally, in 2011, 3889 Rideau Valley Drive was given multiple listings as: Stewardship Ottawa-Carleton, Rideau Valley Conservation, Rideau Valley Construction.

It should be noted that 3889 Rideau Valley Drive constitutes the boat landing south of the Site, as well as the properties for two kilometers south of the Site.

The review of the street directories did not identify any potentially contaminating activities (PCAs) on the Site or on surrounding lands that could result in areas of potential environmental concern (APECs) on the Site.

3.2 Environmental Source Information

3.2.1 Ministry of the Environment Correspondence

The Ontario Ministry of Environment and Climate Change (MOECC) was contacted (refer to copy of correspondence in Appendix B) to provide an Index Report with respect to active orders and approvals for the Site.

A formal response from the MOECC was received by Golder on June 14, 2016. The review of the MOECC response indicated that no Active Orders, Certificates of Approval or Environmental Compliance Approvals (the new name for Certificate of Approval) have been issued for the Site.



3.2.2 City of Ottawa Correspondence

Golder forwarded a request to the City (refer to copy of correspondence in Appendix B) for the following information for the Site:

- Active orders under the EPA, the OWRA, and the PA;
- 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 property; and,
- Any other environmental information.

A formal response from the City was received by Golder on June 22, 2016. The review of the City's response indicated that there are no activities associated with the Site, however that there had been environmental reports for the property north of the Site where the new Carleton Lodge was built in 1989 and records for the Site. Mr. Richard Barker of the City provided these environmental reports and records for the adjacent property and the Site to Golder for review (refer to section 3.1.5 of the report). Specifically, these previous reports discuss the removal of a 55,000 L petroleum UST, a Phase Two ESA, and the removal of underground fuel pipes on the adjacent property north of the Site. Historical information about the original Carleton Lodge previously located on the Site and its building specifications was also provided. A review of these reports was included in section 3.1.5 of this report.

In general, the review of these reports (refer to section 3.1.5 of the report) suggested that there are no environmental concerns for the Site associated with the former presence of USTs on the adjacent property, but that there is potential for subsurface impacts on the Site related to the presence of a heating oil UST on the Site that was part of the original Carleton Lodge.

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. The sites were subsequently screened to identify higher priority sites which were subdivided into Group I, Group II and Group III sites.

- Group I Sites – Sufficient evidence to indicate that wastes are present on-Site and that there is a high potential for environmental impact;
- Group II Sites – Sufficient evidence to indicate that wastes are likely remnant on-Site; and,
- Group III Sites – Unlikely that significant quantities of waste exist at the Site today and therefore the potential for environmental impact is minimal.



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 One ESA.

3.2.4 Review of the 2004 City of Ottawa Waste Disposal Sites Inventory

The review of the *2004 City of Ottawa Waste Disposal Sites Inventory* as described in the report entitled “*Old Landfill Management Strategy, Phase 1-Identification of Sites, City of Ottawa, Ontario*”, completed by Golder for the City of Ottawa, dated October 2004 indicated that the Site is not registered as an active or closed waste disposal site and that no active or close waste disposal sites are located within 1 km of the Site.

3.2.5 Ministry of Natural Resources (MNR)

Ontario's Ministry of Natural Resources (MNR) was asked to search their records for the following:

- information about areas of natural significance in the vicinity of the Site; and
- any other environmental concerns related to the Site and surrounding area.

A formal response from the Ministry of Natural Resources was received by Golder on May 31, 2016. The MNR reported that there was potential for the following on the Site or in proximity to it:

Table 4: Summary of risk species in the Phase One Study area

Category	Species
Species at Risk (Threatened)	Barn Swallow, Blanding's Turtle, Bobolink, Eastern Meadowlark, Whip poor will
Species at Risk (Endangered)	Bobolink
Special Concern Species	Milksnake, Snapping Turtle
Non-Sensitive	Nine species of fish in the Rideau River to the east and Jock River to the south.

In addition to the Ministry of Natural Resources review, Golder completed a Natural Environment Screening as part of the studies carried out to support the Site Plan Application with the City. Based on the analysis, the Site was found to have the potential to support additional endangered species (little brown myotis and northern myotis) as well as a special concern species (monarch butterflies). The study concluded that given the size and urbanized nature of the Site and the urbanized nature of much of the surrounding landscape, it is unlikely that these habitats would qualify as significant in the planning area or be afforded protection under the 2005 Provincial Policy Statement (PPS). Details on the natural environment study completed for the Site are provided in the Natural Environment Screening report issued under a separate cover for the Site.

3.2.6 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.

A representative of the TSSA replied on May 26, 2016 and indicated that the TSSA have no records for any fuel underground storage tanks on the Site.



3.2.7 EcoLog ERIS Report

Golder contracted the services of 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 One 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 One Study Area:

On-Site

The following environmental records were found in the databases searched for the Site:

- Records of three previous boreholes and eight water wells on the Site. The water wells are test holes and for water supply purposes and are further discussed below in Section 3.3.5;
- Approvals from the City of Ottawa for a water well supply system in 2002, and municipal and private sewage work in 2004; and,
- City of Ottawa (55 Lodge Road) was listed as a registered hazardous waste generator with approval for years 2002 to present for acid solutions containing heavy metals, waste oils/sludges (petroleum based), light fuels, and waste compressed gases.

Given that the City approvals and waste generator summaries were for years after 2000, ten years or more after the new Carleton Lodge was built north of the Site, and that the Site was vacant for the approval years, it is interpreted that none of these approvals are relevant to the Site itself, but rather are associated with the adjacent Carleton Lodge retirement home which shares the same municipal address to the north (55 Lodge Road). Therefore, no registered hazardous waste generators or approvals have been issued for the Site.

Surrounding Properties within 250 m of the Site

The databases that list properties within 250 m of the Site were searched and the following records were found:

- A number of records of boreholes and water wells on surrounding lands. The water wells are for water supply purposes; and,
- A record for a standby power system with fuel storage for Carleton Lodge which is located approximately 160 m north of the Phase One Property.

Golder's note: During the Site visit it was observed that the standby power system (back-up generator) is equipped with an aboveground storage tank (AST). The entire system was installed on a concrete pad within a fenced area at the adjacent Carleton Lodge property. Given the distance to the Site (160 m), that the back-up generator unit is located cross-gradient to the Site and that no evidence of spills or leaks was noted on the concrete pad during the Site visit, the AST associated with the back-up generator is not considered to be a PCA that might have resulted in APEC on the Site.

- 18 Lodge Rd., a private residential dwelling located approximately 50 m southeast of the Site, is reported to have had a 600 to 700 L furnace oil spill from a UST in 1994. It was noted that soil contamination due to the spill was likely.



Golder's note: Given that the Site is located hydraulically up-gradient of the reported spill location in terms of interpreted groundwater flow direction eastwards to the Rideau River, and that the area is underlain by silty clay deposit with typically low hydraulic conductivity, this spill is not considered to be a PCA that might have resulted in APEC on the Site.

The review of the EcoLog ERIS report did not identify any PCAs that may have resulted in APECs on the Site.

3.3 Physical Settings Sources

3.3.1 Aerial Photographs

Aerial photographs for the Site for the years 1999, 2005, 2011, and 2014 from the City of Ottawa geo-map (<http://maps.ottawa.ca/geoOttawa/>) were reviewed on-line. In addition, selected aerial photographs for the Site were obtained from the National Air Photo Library (NAPL) in Ottawa, Ontario by Golder personnel for the years 1936, 1945, 1952, 1956, 1965, 1970, 1975, 1987, and 1994 in order to help develop an understanding of the history of the development of the Site and surrounding properties (within 250 m). Copies of the aerial photographs obtained from the NAPL are presented in Appendix D.

The review of the aerial photographs indicated that the Site was undeveloped and used for agriculture until at least 1956. It was developed into a residential dwelling, the original Carleton Lodge Old Age home, between the 1956 and 1965 aerals. In the 1987 aerial photograph the new Carleton Lodge site can be seen under development to the north of the Site, and in the 1994 aerial photograph the original Carleton Lodge is no longer present and the Site appears vacant and undeveloped.

The surrounding lands to the north and south were vacant land used for agricultural purposes with some residential development to the south since at least 1936; the lands to the southeast were vacant lands developed with residential houses prior to 1956; and the lands to the west were developed with residential dwellings since 1970. A major residential housing development occurred in the vacant lands to the northwest between 1999 and 2005.

The review of the aerial photographs did not identify PCAs on the Site or surrounding lands that could result in APECs on the Site.

3.3.2 Topography, Hydrology, Geology

The following records were reviewed to identify topographic, geologic and hydrogeological conditions at the Site. Refer to Section 5.0 for additional information on Site features, as observed at the time of the Site visit.

Table 5: Topography, Hydrology and Geology Summary

Topic	Conditions	Comment / Source
Topography of Site and Surrounding Area	The Site is generally flat with some locally undulating areas and is at grade with the surrounding lands to the west and south. There is a berm crossing the Site in west-east direction. There is an increase of grade to the north, and the Site is above the grade of the lands to the east. The overall slope of the area is downwards to the east, towards the Rideau River located approximately 50 m east of the Site.	Site and surrounding area observations. GeoOttawa topography map.



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Topic	Conditions	Comment / Source
Overburden Soils	Thin layer of organic topsoil overlying silty clay. Clay, silt underlying erosional terraces. Silty clay layer reaching at least 3.5 m deep.	Map 1506A, <i>Surficial Geology</i> , Ottawa, Ontario, Belanger J. R., Urban Geology of the National Capital Area, Geological Survey of Canada, Open file 5311, 2008. <i>Subsurface Investigation of Proposed Access Road, Carleton Place Lodge HWY. 16 to Carleton Place Lodge</i> . RMO, 1989.
Type of Bedrock	Oxford formation dolostone.	Armstrong, D.K. and Dodge, J.E.P. 2007. Paleozoic Geology of Southern Ontario; Ontario Geological Survey, Miscellaneous Release – Data 219
Depth to Bedrock	25 to 50 m below the ground surface (mbgs) in majority of the Site and 15 to 25 mbgs along the northeast, center, and southwest portions of the site.	Generalized Bedrock Geology, Ottawa, Ontario, Belanger J. R., Urban Geology of the National Capital Area, Geological Survey of Canada, Open file D3256, 2010.
Inferred Local Groundwater Flow	The inferred groundwater flow direction is to the east, towards the Rideau River located approximately 35 m to 50 m east of the Site.	Figure 3 – Topographic Map Site observations
Site Grade Relative to the Adjoining Properties	The Site is at grade with the surrounding lands to the west, north and south and is above the grade of the lands to the east. The overall slope of the area is downwards to the east, towards the Rideau River located approximately 50 m east of the Site.	Site observations
Depth to Groundwater	1.1 mbgs to 4.0 mbgs	Based on GeoOttawa topography map. 2009 Partial Phase Two ESA Report

3.3.3 Fill Materials

Topic	Conditions	Comment / Source
Fill Materials	There was no evidence of fill materials on the site.	Site observations



3.3.4 Water Bodies and Area(s) of Natural Significance

Topic	Conditions	Comment / Source
Nearest Open Water Body	Rideau River located approximately 35 - 50 m east of the Site.	Site observations, Figure 3 – Topographic Map
Areas of Natural Significance (ANS)	Natural Heritage features, Species at Risk and Species of Special Concern have been identified by the MNR to be potentially present on the Site or on the nearby lands. The Golder environmental screening report concluded that given the size and urbanized nature of the Site and the urbanized nature of much of the surrounding landscape, it is unlikely that these habitats would qualify as significant in the planning area or be afforded protection under the PPS.	MNR response and findings from the upcoming environment screening report completed for the Site by Golder as part of the due diligence studies.

3.3.5 Water Wells

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)	<p>Eight water wells were identified in the EcoLog ERIS Report- four abandoned, two serve as test holes, and two water supply wells. The water supply well was drilled into the bedrock to a depth of approximately 100 m and was completed in 1958. Site observations confirmed the presence of one of the water supply wells which was located in close proximity to the former original Carleton Lodge building.</p> <p>The two test wells were drilled in 1987 to a depth of 33 m and were observed in the southeast part of the Site.</p> <p>The water supply well has been covered and welded with a metal cover and the two test wells were finished with stick up casing.</p>	<p>The EcoLog ERIS database report, Site observations.</p> <p>Ministry of the Environment Ontario.ca Well Records Map.</p> <p>Drilling records for wells 1522199 and 1522201.</p>
Water Wells on the Neighbouring Properties (location, stratigraphy of the overburden, from ground surface to bedrock, depth to water table, drilling rate, use)	Based on the EcoLog ERIS report, 25 wells are located in the Phase One Study Area (within 250 metres of the Site). It was indicated that the wells were completed within the bedrock and were used mainly for domestic water supply. Details regarding the stratigraphy, depth to bedrock and water table in the 25 water wells is provided in the EcoLog ERIS report included in Appendix B.	The EcoLog ERIS database report.



If the City no longer plans to use or maintain the wells on Site for future use they must be permanently abandoned in accordance with Ontario Regulation 903, as amended. This generally includes returning well tags, removing the well casings if possible, and if not possible, installing abandonment barriers around the wells.

3.4 Site Operating Records

The Site has been developed with a retirement home or has been vacant land and no operations have been carried out at the Phase One Property other than residential type activities. As such, the Site is not considered to be enhanced investigation property as defined in O.Reg.153/04. Thus, no Site operating records would be available and to be provided to Golder for review.

4.0 INTERVIEWS

Given that the Site is owned by the City, as part of the Phase One ESA, the City of Ottawa was contacted to obtain environmental related information and records for the Site. In addition, Mr. Richard Barker of the City searched the City of Ottawa Archives and provided information available for the Site. The information provided for the Site by the City is discussed in sections 3.1.5 and 3.2.2 of this report.

5.0 SITE RECONNAISSANCE

5.1 General Requirements

Ms. Maria Staneva, an environmental engineer with Golder, and Alex Wood, an environmental consultant with Golder, conducted a Site visit on September 26, 2016. The duration of the Site visit was approximately 2 hours. The Site visit included a tour of the Site and a cursory inspection of neighbouring properties from the Site and publicly accessible areas. The access to the Site is via Lodge Road. At the time of the Site visit, the Site was overgrown with grass and foliage. 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 cloudy and the temperature was approximately 15°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 and Interviews

At the time of the Site visit, the Site was vacant land covered with trees and vegetation. The one exception was an open shed, assumed to be from the time of the Original Carleton Lodge, which was empty and as such was considered to have no impact. No operations or any other activities were being carried out at the Site at the time of the Site visit.

The information gained from specific observations made during the Site visit is presented herein.

5.2.1 Site Details

Topic	Observations	Comment / Source
Total Area of the Site	Approximately 6.2 hectares (15.3 acres)	GeoOttawa Map
Number and Age of Buildings on the Site	One empty wooden shed approximately 2 m x 4 m in size, assumed to be from the time of the Original Carleton Lodge (56 years)	Site observations and GeoOttawa Map
Building Area	Approximately 8 m ²	Site observations



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Topic	Observations	Comment / Source
Number of Floors (include all levels, whether above or below ground)	None	Site observations
Number, Age, and Depth of Levels Below Ground Level	None	Site observations
Approximate Percentage of Site Consisting of Landscaped/ Grassed/Bare Ground Areas	100%. The entire Site was overgrown with grass, vegetation, and tree cover. Exception was a 2 m perimeter around the site which is regularly mowed.	Site observations
Approximate Percentage of Site Consisting of Paved or Other Sealed Surface Materials	None	Site observations
Number and Details of all Aboveground Storage Tanks (ASTs)	No ASTs noted during Site visit.	Site observations
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 or former presence of fuel or chemical USTs. The area where the former original Carleton Lodge building was located was entirely overgrown with vegetation and there is no indication of potential presence of the heating oil UST that was part of the original Carleton Lodge building.	Site observations, TSSA, EcoLog ERIS report
Asbestos-Containing Materials (ACMs)	While there is a small wooden shed on-Site, no potential ACM containing materials were observed in the building. As such, ACM is not considered to be an issue of potential environmental concern.	Site observations
Polychlorinated Biphenyls (PCB) Containing Materials and Equipment	While there is a small wooden shed on-Site, no potential PCB containing materials or equipment were observed in the building. As such, PCB is not considered to be an issue of potential environmental concern. No pole or pad mounted transformers were noted on the Site.	Site observations
Lead-Based Paints (LBPs)	The wooden shed noted on-Site was not painted, and as such, lead based paint 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. While there is a historical water supply well observed on-Site, it has been sealed and was not being used as a potable water source. There are no non-potable water sources noted at the Site.	Site observations



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Topic	Observations	Comment / Source
Utility Lines Present (i.e. Electrical, Natural Gas, other)	A natural gas line is present along the southern edge of the site. There are underground telecommunications cables along the southeastern edge of 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)	Not applicable	Site observations
Existing and Former Cooling System(s) (include fuel type / source)	Not applicable	Site observations
Drains, Pits, and Sumps (include current use, if any, and former use)	None identified	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	A deep water supply well was noted in the original 1959 building plans. This well was observed in the northern portion of the Site near the former building footprint and was noted to be welded shut.	Site observations, EcoLog ERIS report
Sanitary/Process Wastewater Receptor	No sanitary or process wastewater is generated at the Site.	Site observations
Sanitary Sewer Connection	The Site is not currently connected to the municipal sanitary sewer.	Site observations
Septic Systems	None identified. Given that the Site was at one time developed, there is potential for septic systems to have been present on the Site.	Site observations, historical records review
Storm Water Flow	The surface water run-off from the Site appears to be locally towards drainage ditches that line the perimeter of the site. Overall drainage path is towards the Rideau River to the east.	Site observations
Storm Sewer Connection	There are no storm sewers on the Site or on the surrounding lands. There are drainage ditches along the entire perimeter of the site.	Site observations
Ground Cover (i.e. grass, gravel, soil, or pavement, etc.)	During the Site visit, the Site was covered by grass, vegetation.	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



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Topic	Observations	Comment / Source
Presence of Fill and/or Debris Materials	No piles of fill material or debris were observed during the Site visit and no fill is expected to present on the Site.	Site observations
Operations at the Property	The Site is vacant land	Site observations
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
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
Oil/Water Separators	None identified or reported.	Site observations
Vehicle and Equipment Maintenance Areas	None identified or reported.	Site observations and aerial photographs
Spills	None identified or reported.	Site observations and EcoLog ERIS report
Liquid Discharge Points	None identified or reported.	Site observations
Hydraulic Lift Equipment	None identified or reported.	Site observations
Potentially Contaminating Activity	None identified for current site use.	Site observations

The location of the Site features is presented on Figure 2.

5.2.2 Enhanced Investigation Property

The Site was used for agricultural and a residential purposes prior to 1989 and has been vacant since then, as such, is not considered an enhanced investigation property as defined by O. Reg. 153/04.

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 within 250 m of the Site was carried out. The visual reconnaissance was conducted from the subject Site and publicly accessible areas to identify land uses that may potentially impact the Site.

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

North (inferred cross gradient)

- The new Carleton Lodge Retirement Home.



East (Inferred down gradient)

- Lodge Road followed by Rideau River with residential dwellings in the southeast.

South (inferred cross gradient)

- Residential dwellings and the Jock River; and
- Public boat launch and park.

West (inferred up gradient)

- Prince of Wales Road and a residential development to the northwest.

No issues of potential environmental concern were identified associated with the current surrounding land use.

5.4 Written Description of Investigation

At the time of the Site visit on September 26, 2016, the Site interior was overgrown with grass, vegetation, and trees. The Site was vacant land, with the exception of a single 2 m x 4 m wooden shed which was empty, and is assumed to be at least 56 years old, and built at the same time as the original Carleton Lodge. The total approximate area of the Site is 6.2 hectares (15.3 acres). The perimeter of the site extending approximately 2 m into the property was kept mown and free of vegetation. There is an increase of grade to the north, and the Site is above the grade of the lands to the east. The overall slope of the area is downwards to the east, towards the Rideau River located approximately 35 - 50 m east of the Site. A topographical survey shows a 4 meter drop in grade from the center line of the property toward the river.

The site assessors specifically searched for indications of the heating oil UST mentioned in historical documents. The site was overgrown with vegetation and no evidence of the location of the tank was noted.

The surrounding land use is for residential and parkland purposes. The Site is surrounded by the new Carleton Lodge Retirement Home to the north, a residential development to the northwest, a natural gas line, residential dwellings, and a public boat launch/park to the south, the Rideau River to the east and residential houses to the southeast.

At the time of the Site visit, no ASTs were noted on the Site, and no evidence (fill/vent pipes extending through walls or slabs/ground surface, staining or any obvious odours) of former or current presence of USTs was observed. Off-Site, an AST was noted as part of a standby power system for the new Carleton Lodge approximately 160 m north of the site. The system appeared in to be in new condition and the pad on which it was mounted was fresh concrete, free of staining. No evidence of USTs was noted on the surrounding lands from publically accessible areas.

Two test wells finished with stick up casing and one water supply well (welded shut) previously used by the original Carleton Lodge building for water supply were noted on the Site. One water supply well was noted on the property of 20 Lodge Rd, east of the Site, and there are several other water supply wells reported in the area within 250 m of the site. No fill, waste or debris were observed on the Site at the time of the Site visit.

The surface water run-off from the Site appears to be locally towards drainage ditches that run along the perimeter of the Site (based on site observations); overall drainage appears to be east towards the Rideau River.

A natural gas line is present along the south Site boundary along Lodge Road, across from 12 Lodge Rd.



At the time of the Site visit, no evidence of stained soil, discoloration or stressed vegetation was observed and no areas of potential environmental concern or potentially contaminating activities were identified at the Site. No railway lines or spurs were present on the Site.

It was noted that the new Carleton Lodge, off-Site to the north, is attached to the municipal sanitary sewers and there is a pumping station for this at the southwest corner of the new Lodge. Also at the southwest corner is a storm water catch basin. There are earth berms along the west and northeast of the new Lodge.

Based on the observations made during the Phase One ESA Site visit on September 26, 2016, no issues of potential environmental concern associated with the current Site activities and use were identified at the Site.

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	Name of the Owner	Description of Property Use	Property Use	Other Observations from Aerial photographs, FIPs, etc.
Prior to 1959	Private Parties	Agricultural land.	Agricultural or other use	The 1936 aerial photograph shows the Site as agricultural land. The subsequent aerial photographs up to 1965 (1945, 1952, and 1956) also show this.
1959 to 1989	Carleton County (now City of Ottawa)	Original Carleton Lodge Retirement Home	Residential	The original Carleton Lodge building can be seen in aerial photographs from 1965 to 1987. The new Carleton Lodge can be seen under construction in the 1987 aerial. The original building is gone in aerial photos post 1994.
1989 to Present	City of Ottawa	Vacant Land	Agricultural or other use	The site has been vacant since the original Carleton Lodge was removed in 1989. This can be seen in the aerial photos from 1994 onward.

6.2 Potentially Contaminating Activities (PCAs)

Potentially contaminating activities (PCAs) identified in O.Reg. 153/04, as numbered in the table below, if currently or historically carried out at the Site, may contribute to an area of potential environmental concern (APEC). PCAs located on Site must be identified as APECs. For off-site PCAs it is up to the QPs discretion if the off-Site PCAs result in an on-Site APEC. The rationale for the PCAs contributing to APECs is described with the PCA.



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Based on the information obtained as part of this Phase One ESA, the following PCAs were identified. The location of the PCAs is shown on Figure 2.

Location of the PCA (See Figure 2)	Potentially Contaminating Activities as per Table 2 of Reg.153/04 and description of the PCA	Source of Information	Rationale for the PCA to Contribute to an APEC on the Site
On the Phase One Property (On-Site). The exact location is unknown. Likely area around the original Carleton Lodge building.	PCA #28. Gasoline and Associated Products Storage in Fixed Tanks There are records of UST installation for heating oil and liquefied petroleum gas associated with the original Carleton Lodge, but there is no evidence or records/drawings indicating their location or their decommissioning.	Building Specifications for the original Carleton Lodge building built in 1959.	The PCA is located on the Site and as such, this PCA must be identified as contributing to APEC on the Site. The PCA could be anywhere underground on the property in the general area of the former building and given the age (at least 57 years) the tanks may have corroded and released their contents. Given the contents of the liquid petroleum gas tank would evaporate upon tank rupture, it is considered that this PCA does not contribute to APEC on the Site. The heating oil tank however does pose significant risk to the surrounding soil and groundwater in the event of a leak, and is considered a PCA that contributes to an APEC.
Off-Site, within the Phase One Study Area: Approximately 100 m north of the Site. Carleton Lodge.	PCA #28. Gasoline and Associated Products Storage in Fixed Tanks 55,000L Petroleum UST removed from new Carleton Lodge	SLR Consulting. November 13, 2008. <i>RE: Carleton Lodge 55 Lodge Rd, Manotick, ON – Petroleum System Decomm.</i>	The UST and associated piping system was decommissioned in 2008 and soil and groundwater verification sampling was completed following the removal of the UST system. Given that the UST was removed, the distance between the former UST and the Site (approximately 160 m north of the Site), that the former UST was located cross-gradient of the Site and that the soil and groundwater verification sampling completed after the UST removal indicated no impacts to soil or groundwater, it is considered that this PCA does not contribute to APEC on the Site.



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Location of the PCA (See Figure 2)	Potentially Contaminating Activities as per Table 2 of Reg.153/04 and description of the PCA	Source of Information	Rationale for the PCA to Contribute to an APEC on the Site
Off-Site, within the Phase One Study Area: Approximately 40m east of site	At 18 Lodge Road, a UST holding furnace oil spilled 600 – 700 L of oil in 1994.	ERIS EcoLog	Given that the oil spill occurred downgradient of the Site and that the subsurface conditions consist of silty clay deposit with low hydraulic conductivity, it is considered unlikely that the oil spill would migrate towards the Site. As such, it is considered that this off-site PCA does not contribute to APEC on the Site.

6.3 Areas of Potential Environmental Concern (APECs)

Based on the information obtained as part of this Phase One ESA, PCAs were identified on the Site that resulted in the following APEC on the Site. The location of the APEC is shown on Figure 2.

APEC	Location of APEC on the Site (as indicated on Figure 3)	PCA and Description of the Activity	Location of PCA (on-Site or off- Site)	Contaminants of Potential Concern	Media Potentially Impacted (groundwater, soil and/or sediment)
APEC 1 Original Carleton Lodge heating oil UST	Unknown. Likely area around original Carleton Lodge building footprint.	PCA #28. Gasoline and Associated Products Storage in Fixed Tanks There are records of UST installation for heating oil and petroleum gas as part of the original Carleton Lodge, but no evidence of their location or their decommissioning. The liquid petroleum gas tank is not considered as a PCA contributing to the APEC due to the properties of its contents which would evaporate to the air upon tank rupture, not contaminating the surrounding soil and groundwater.	On-Site	PHCs, BTEX, PAHs	Soil and groundwater



6.4 Conceptual Site Model

A Conceptual Site Model of the Phase One 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: Site Plan, Figure 3: Map and Areas of Natural Significance, Figure 4: Surficial Geology, Figure 5: Drift Thickness, Figure 6: Bedrock Geology, Figure 7: Survey Soil Complex, and Figure 8: Physiography Map). The combined set of figures shows:

- Any existing buildings and structures (none on Site);
- Water bodies and areas of natural significance (if present) located in the Phase One Study Area;
- Any drinking water wells on the Phase One Property (three on Site);
- Roads (including names) within the Phase One Study Area;
- Uses of properties adjacent to the Phase One Property;
- Areas where any PCAs have occurred in the Phase One Study Area, including any storage tanks (if identified); and,
- Areas of potential environmental concern (if identified).

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

- The Site is undeveloped land that is currently vacant. The site is covered in grass, trees, and vegetation, except for the perimeter which is regularly mown up to approximately 2 m into the Site from the road. The area of the Site is approximately 6.2 hectares (15.3 acres). The Site was developed between 1959 and 1989 as a residential dwelling, the original Carleton Lodge Retirement Home. This dwelling was demolished in 1989 and the site has remained vacant since that time. No operations or activities are currently carried out at the Site;
- The Site is generally flat and is at grade with the surrounding lands to the west and south with a small (<2 m tall) natural berm running east-west through the centre of the Site. A topographical survey shows a 4 meter drop in grade from the center line of the property toward the river. The overall slope of the area is downwards to the east, towards the Rideau River located approximately 50 m east of the Site. The surface water run-off appears to go into drainage ditches along the perimeter of the site that run towards the east to the Rideau River;
- The Rideau River is located approximately 35 - 50 m east of the Site. As such, the Site is not located within 30 m of a water body and does not include land that is within 30 m of a water body;
- Natural Heritage features, Species at Risk and Species of Special Concern have been identified by the MNR and Golder's own environmental screening to be potentially present on the Site or on the nearby lands;
- According to the MOECC water well database in the EcoLog ERIS report, Site observations, and the Ontario MOE Map: Well Records online, there are two water supply wells present on the Site which are not currently in use, only one was observed during the site visit and it was sealed, as well as two test holes which still appear to be active. 25 water supply wells are reportedly present on surrounding lands within 250 m of the Site;



- At the time of the Phase One ESA, the neighbouring properties within the Phase One Study Area were mainly used for residential and parkland purposes;
- The subsurface conditions at the Site consist of a thin layer of surficial silty sand underlain by a deposit of stiff weathered silty clay. The bedrock at the Site is Oxford formation dolostone, and the depth to the bedrock is expected to be between 10 and 50 m. The groundwater level measured during the Phase Two completed for the new Carleton Lodge adjacent to the Site in 2009, was 1.11 m to 2.78 m. One borehole location on the Site in 1989 noted groundwater level at a depth of 4 metres below ground surface. It is unknown at this time what this test hole was drilled for, as client information was redacted from the drilling records. So groundwater levels are expected to vary between 1.11 mbgs and 4.00 mbgs;
- The inferred groundwater flow direction on the Site is towards the east, towards the Rideau River located approximately 50 m east of the Site;
- There are underground natural gas pipelines along the southern edge of the Site. There is also potential that a sanitary sewer runs along Lodge Road. Additionally there are underground telecommunication cables along the southeast edge of the Site. As such, there is potential for underground utilities to affect contaminant distribution and transport (if present) but only in the vicinity of the Site's perimeter; and,
- One PCA, the original Carleton Lodge's heating oil UST, was identified on the Site that may have resulted in APECs on the Site. There are records of the tank's installation in 1959, but none for its removal or decommissioning. Its exact location is unknown, but is considered likely to be the area around the original Carleton Lodge building footprint. The contaminants of concern would be PHCs, BTEX, and PAHs.

6.4.1 Uncertainty and Absence of Information

There were no material deviations to the Phase One 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, the following PCA that may have resulted in APEC was identified:

- A heating oil underground storage tank (UST) associated with the original Carleton Lodge retirement home was located on the Site, Based on the information obtained from the review of the specifications for the original Carleton Lodge building historically located on the Site, the heating oil UST had a capacity of 22,730 L. No records or drawings indicating the removal or the location of the heating oil UST were available. In addition, no evidence of the former UST was noted during the Site visit.

Based on the information collected as part of this Phase One ESA, one APEC was identified on the Site as follows:

- APEC1- Potential for impacts in soil and/or groundwater in the vicinity of the heating oil UST. As the presence and exact location of the heating oil UST is unknown at this time, for the purpose of defining the APEC1 as part of this Phase One ESA, the general area where the original Carleton Lodge building was located is considered to be APEC1. The potential contaminants of concern include: PHC F1 to F4, BTEX, and PAHs.



7.1 Need for Phase Two ESA

Given that an APEC was identified on the Site during the Phase One ESA, a Phase Two ESA is recommended to be carried out at the Site to investigate the potential for subsurface impacts associated with the heating oil UST. The scope of this Phase Two ESA should be to confirm whether the UST was removed and to investigate the presence/absence of subsurface contamination in the area of the UST that still may be on the Site near the location of the original Carleton Lodge.

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

Considering that the Site has been vacant land or was previously used for residential purposes and is proposed to be developed as a police police services campus facility (commercial land use), there is no change in the land use from less sensitive to more sensitive. 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 The Ottawa Police Service. This report is intended to provide an assessment of the potential environmental conditions of the property located on the vacant southern half of 55 Lodge Rd, Ottawa, ON. The Report summarizes Golder's review of available data in accordance with the principal components of CSA Z768-01 *Phase One 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 September 26, 2016, 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 One 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 One 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 QUALIFICATIONS OF THE ASSESSORS

Alex Wood, B. Eng., Environmental Consultant

Alex Wood is an Environmental Consultant/Engineer-in-Training with Golder Associates in Ottawa. He has a bachelor degree in geological engineering. Alex is responsible for conducting environmental investigations, field monitoring, interpretation of data, Phase One Environmental Site Assessments, and other environmental due diligence related activities. Additionally, he assists project managers in the preparation of proposals, and coordination and scheduling of resources.

Eric Wilson, P.Eng., PMP, Associate - Senior Project Manager

Eric Wilson is an Associate, Senior Environmental Engineer and Project Manager with Golder Associates. With over 18 years of experience, Eric is responsible for leading a variety of environmental projects including all aspects of Phase One, Phase Two and Phase Three ESAs, contaminant source investigations, soil and groundwater impact assessments, and site remediation. Eric has been involved in the characterisation and remediation of properties contaminated by petroleum hydrocarbons, chlorinated solvents, and metals in a variety of site conditions. As a Qualified Person for Environmental Site Assessments, Eric has in depth knowledge of the requirements for carrying out site assessments and filing Records of Site Condition under Ontario Regulation 153/04 of Ontario's Environmental Protection Act. As a Project Manager, Eric appreciates the importance of understanding and prioritising client requirements in order to deliver projects that meet expectations in terms of quality, cost and schedule performance. As a senior consultant, technical reviewer and project advisor, Eric has been involved with the assessment of several multi-site portfolios as well as multi-year, multi-disciplinary projects and understands the importance of coordination, communication and teamwork required to deliver a successful project that meet client's expectations.



11.0 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	January 1, 2014
Canadian Standards Association Document Z768-01 (R2012) 'Phase One – Environmental Site Assessments'	November 2001
Map 1506A, <i>Surficial Geology</i> , Ottawa, Ontario, Belanger J. R., Urban Geology of the National Capital Area, Geological Survey of Canada, Open file 5311, 2008.	2008
Armstrong, D.K. and Dodge, J.E.P. 2007. Paleozoic Geology of Southern Ontario; Ontario Geological Survey, Miscellaneous Release – Data 219	2007
Generalized Bedrock Geology, Ottawa, Ontario, Belanger J. R., Urban Geology of the National Capital Area, Geological Survey of Canada, Open file D3256	2010
Golder Associates Ltd. <i>GIS Database</i> (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/)	1936, 1945, 1952, 1956, 1965, 1970, 1975, 1987, and 1994. The City of Ottawa geo-map: 1999, 2005, 2011, and 2014
EcoLog ERIS report	June 1, 2016
Street Directories	June 1, 2016
Ontario Ministry of the Environment and Climate Change	May 25, 2016
City of Ottawa	May 27, 2016
Ministry of Natural Resources	May 17, 2016
Technical Standards and Safety Authority	May 26, 2016
Noffke & Ingram Architects. 1959. <i>Specifications Dated Circa 1959 Carleton Lodge Home for the Aged (Job No 1333)</i> Prepared for Carleton County.	1959
Ottawa-Carleton. 1995. <i>Carleton Lodge 35 Years of Caring</i> . Prepared for publication.	1995
SLR Consulting. November 13, 2008. RE: Carleton Lodge 55 Lodge Rd, Manotick, ON – Petroleum System Decomm. Prepared for City of Ottawa.	November 13, 2008
Terrapex. July 2009. City of Ottawa Limited Phase Two Environmental Site Assessment Report 55 Lodge Road Manotick, Ontario. Prepared for City of Ottawa.	July 2009
SLR Consulting. October 2010. City of Ottawa Underground Fuel Piping Removal Carleton Lodge – 55 Lodge Road, Manotick, ON. Prepared for City of Ottawa.	October 2010



12.0 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.

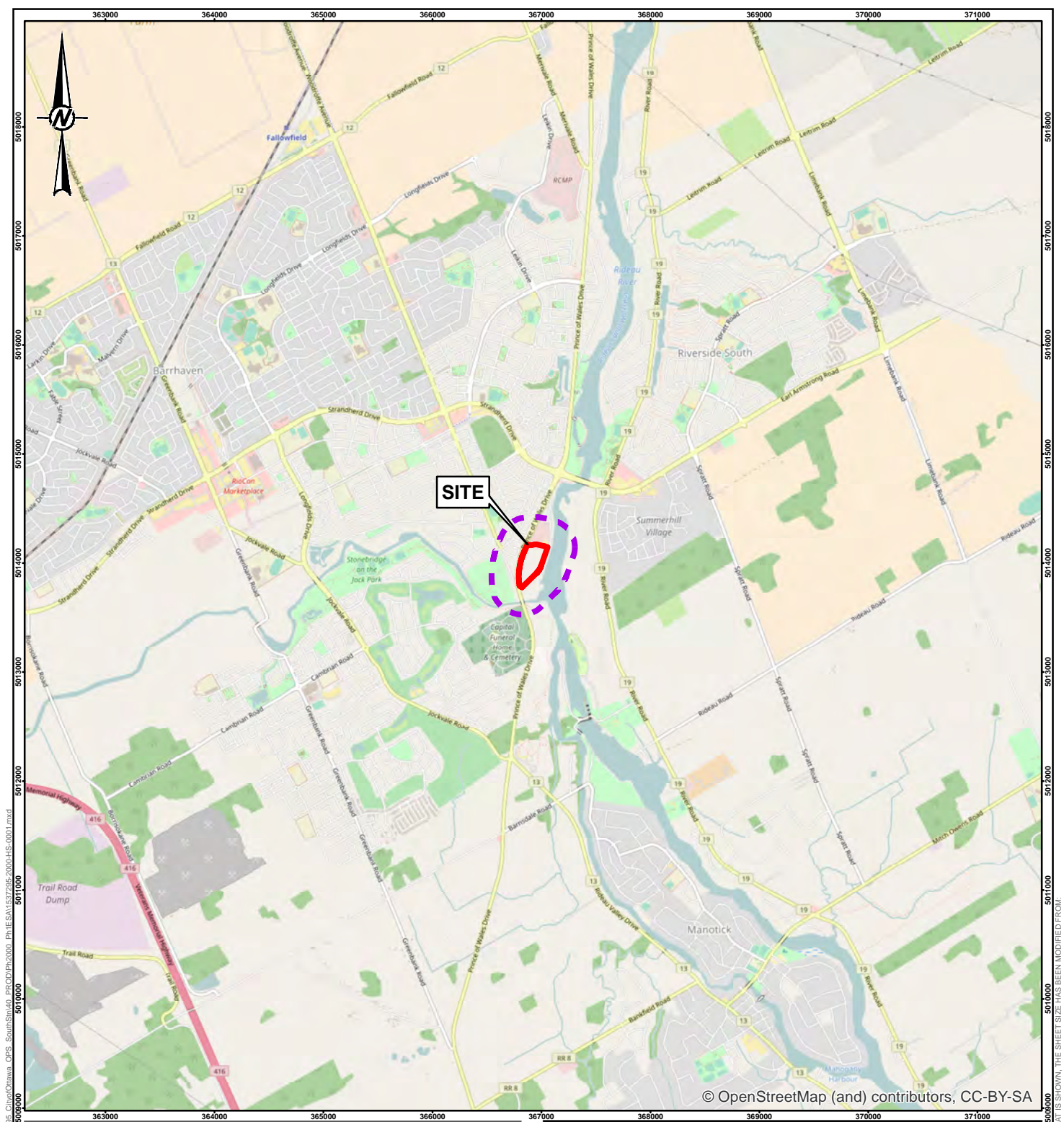
Alex Wood, B.Eng.
Environmental Consultant

Eric Wilson, P.Eng., PMP, QP_{ESA}
Associate

AW/MS/EDW/hw



n:\active\2015\3 proj\1537295 ops_south station\environmental\phase one esa\final report\1537295-001-r-rev0.doc

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LEGEND

-  PHASE ONE STUDY AREA
 PHASE ONE SITE BOUNDARY

CLIENT
CITY OF OTTAWA

PROJECT
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
PROPOSED OTTAWA POLICE SERVICE SOUTH CAMPUS FACILITY
55 LODGE ROAD, OTTAWA, ONTARIO

TITLE
KEY PLAN

CONSULTANT

YYYY-MM-DD 2016-05-18

DESIGNED ----

PREPARED JEM

REVIEWED AW

APPROVED EDW

PROJECT NO.
1537295

PHASE
2000

REV.
0FIGURE
1

1

NOTE(S)
1. THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 1537295.

REFERENCE(S)
1. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: MTM ZONE 9 VERTICAL DATUM: CGVD28





LEGEND

- POTENTIAL CONTAMINATING ACTIVITY (PCA) LOCATION
- ROADWAY
- WATERCOURSE
- WETLAND
- PHASE ONE STUDY AREA
- PHASE ONE SITE BOUNDARY
- AREA OF POTENTIAL ENVIRONMENTAL CONCERN (APEC) LOCATION

PCA 28: HEATING OIL UNDERGROUND STORAGE TANK (UST) - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIEXED TANKS.

APEC 1: AREA OF POTENTIAL ENVIRONMENTAL CONCERN ASSOCIATED WITH PCA 28 (HEATING OIL UST)

0 35 70 140
1:3,500 METRES

NOTE(S)
1. THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 1537295-2000.

REFERENCE(S)
1. LAND INFORMATION ONTARIO (LIO) DATA PRODUCED BY GOLDER ASSOCIATES LTD. UNDER LICENCE FROM ONTARIO MINISTRY OF NATURAL RESOURCES, © QUEENS PRINTER 2014
2. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: MTM ZONE 9 VERTICAL DATUM: CGVD28

CLIENT
CITY OF OTTAWA

PROJECT
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
PROPOSED OTTAWA POLICE SERVICE SOUTH CAMPUS FACILITY
55 LODGE ROAD, OTTAWA, ONTARIO

TITLE
SITE PLAN

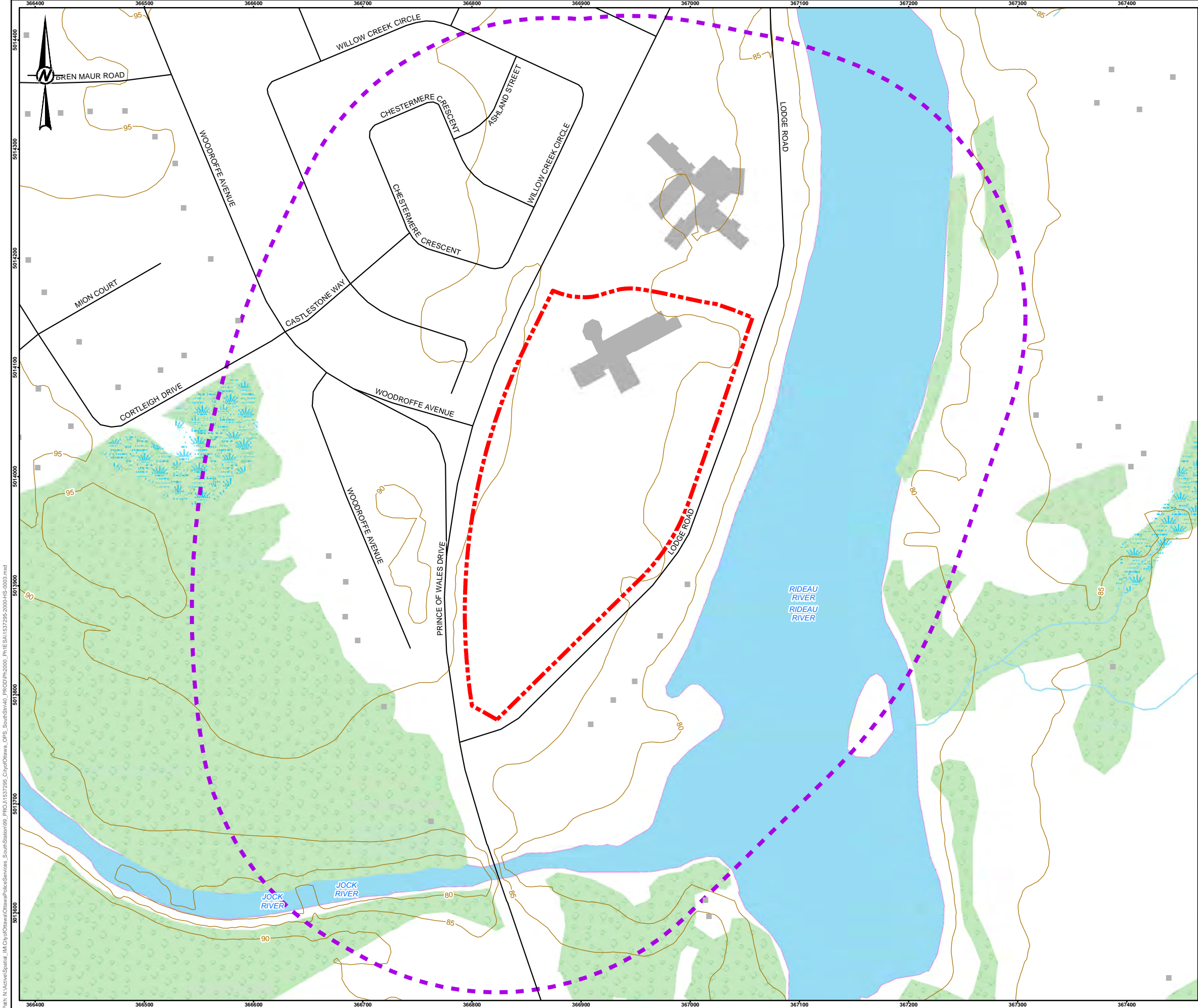
CONSULTANT	YYYY-MM-DD	2016-09-21
DESIGNED	----	
PREPARED	JEM	
REVIEWED	AW	
APPROVED	EDW	

PROJECT NO. 1537295 PHASE 2000 REV. 0

FIGURE 2

Golder Associates

City of Ottawa



LEGEND

- BUILDING POINT
- ROADWAY
- WATERCOURSE
- TOPOGRAPHIC CONTOUR, metres
- WETLAND
- WATERBODY
- BUILDING FOOTPRINT
- AREA OF NATURAL AND SCIENTIFIC INTEREST (ANSI)
- PHASE ONE STUDY AREA
- PHASE ONE SITE BOUNDARY

NOTE(S)

1. THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 1537295-2000.

REFERENCE(S)

1. LAND INFORMATION ONTARIO (LIO) DATA PRODUCED BY GOLDER ASSOCIATES LTD. UNDER LICENCE FROM ONTARIO MINISTRY OF NATURAL RESOURCES, © QUEENS PRINTER 2014
2. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: MTM ZONE 9 VERTICAL DATUM: CGVD28

CLIENT

CITY OF OTTAWA

PROJECT

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
PROPOSED OTTAWA POLICE SERVICE SOUTH CAMPUS FACILITY
55 LODGE ROAD, OTTAWA, ONTARIO

TITLE

TOPOGRAPHIC MAP AND AREAS OF NATURAL SIGNIFICANCE

CONSULTANT	YYYY-MM-DD	2016-09-21
DESIGNED	----	
PREPARED	JEM	
REVIEWED	AW	
APPROVED	EDW	

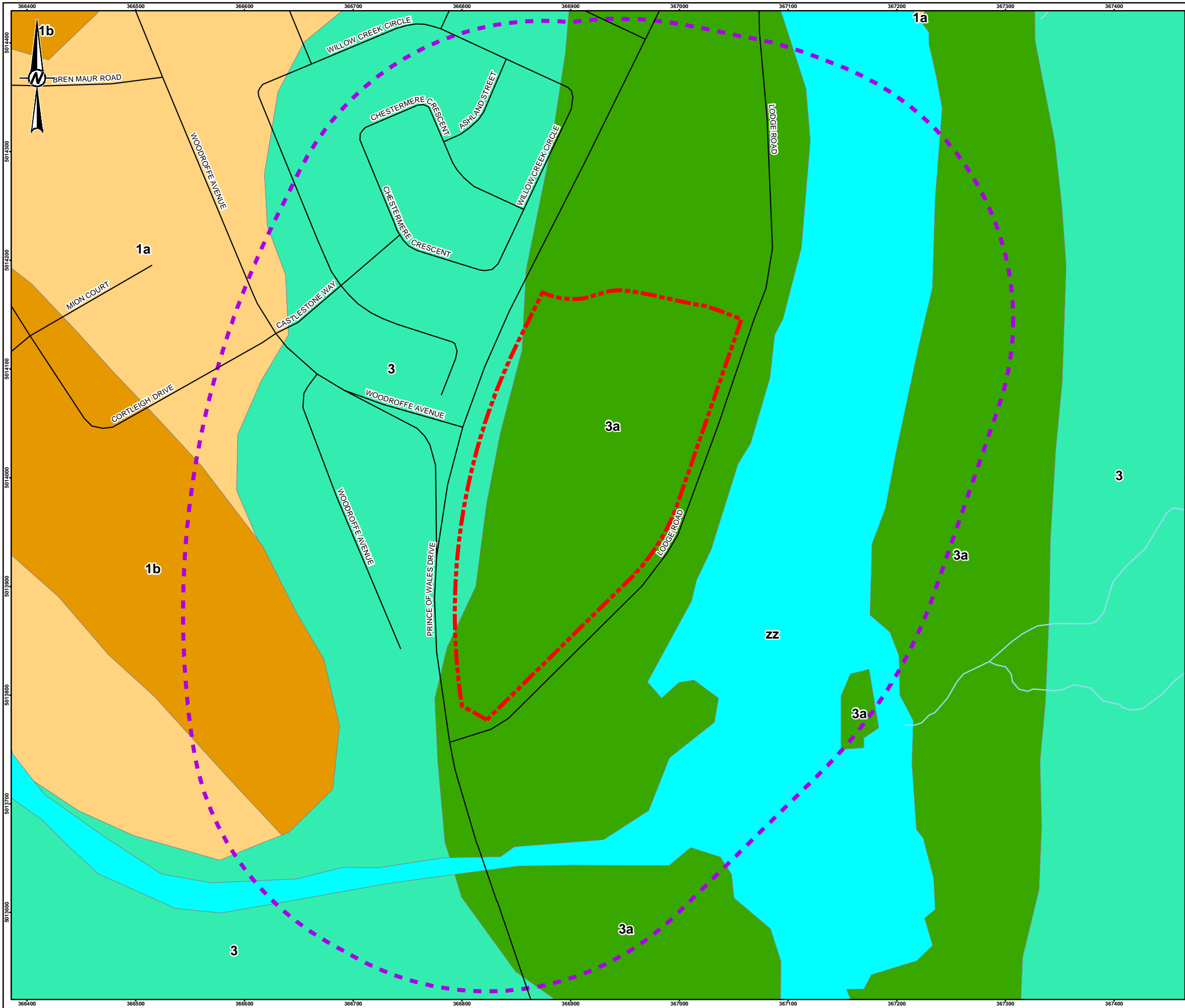
PROJECT NO. 1537295

PHASE 2000

REV. 0

FIGURE 3

Path: N:\Active\Spatial_M\CityOfOttawa\PoliceServices_SouthStation09_PROJ\1537295_CityOfOttawa_OPS_SouthStation09_PROD\Ph2000_Ph1ES\1537295-2000-HS-0004.mxd



LEGEND

- ROADWAY
- WATERCOURSE
- PHASE ONE STUDY AREA
- PHASE ONE SITE BOUNDARY
- 3. OFFSHORE MARINE DEPOSITS: CLAY, SILTY CLAY & SILT
- 3a. OFFSHORE MARINE DEPOSITS: CLAY, SILT UNDERLYING EROSIONAL TERRACES
- 1a. TILL, PLAIN WITH LOCAL RELIEF <5 m
- 1b. TILL, DRUMLINIZED
- zz. WATERBODY

0 35 70 140
1:3,500 METRES

NOTE(S)

1. THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 1537295-2000.

REFERENCE(S)

1. BÉLANGER, J. R. 2008 URBAN GEOLOGY OF THE NATIONAL CAPITAL AREA, GEOLOGICAL SURVEY OF CANADA, OPEN FILE 6311, 1 DVD.
2. LAND INFORMATION ONTARIO (LIO) DATA PRODUCED BY GOLDER ASSOCIATES LTD. UNDER LICENCE FROM ONTARIO MINISTRY OF NATURAL RESOURCES, © QUEENS PRINTER 2014
3. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: MTM ZONE 9 VERTICAL DATUM: CGVD28

CLIENT

CITY OF OTTAWA

PROJECT

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
PROPOSED OTTAWA POLICE SERVICE SOUTH CAMPUS FACILITY
55 LODGE ROAD, OTTAWA, ONTARIO

TITLE

SURFICIAL GEOLOGY

CONSULTANT	YYYY-MM-DD	2016-09-21
DESIGNED	----	
PREPARED	JEM	
REVIEWED	AW	
APPROVED	EDW	

PROJECT NO.
1537295

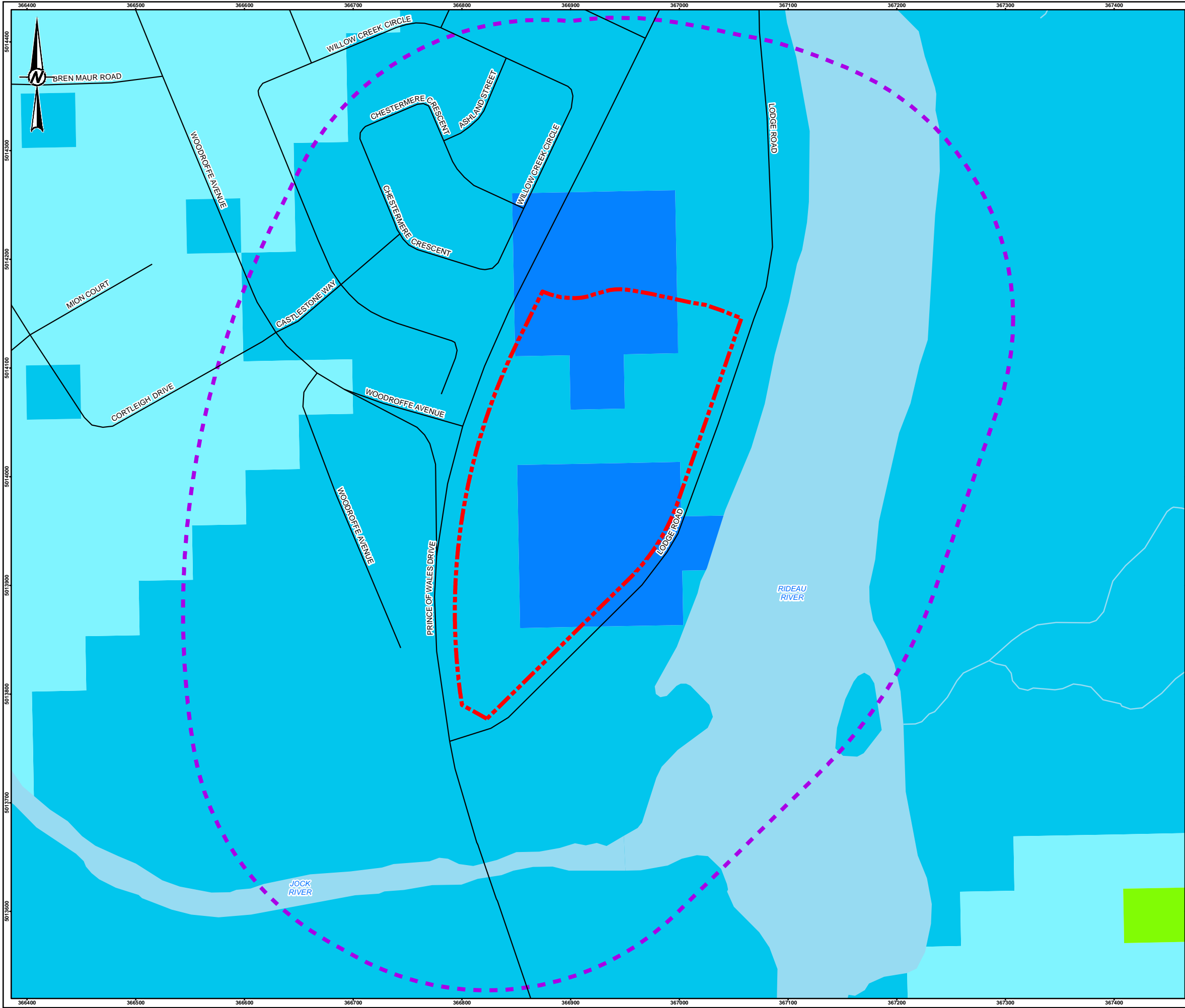
PHASE
2000

REV.
0

FIGURE
4

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: 28mm

Path: N:\Active\Spatial_M\CityOfOttawa\PoliceServices_SouthStation09_PROJ\1537295_CityOfOttawa_OPS_SouthStation09_PROD\Ph2000_Ph1ES\1537295-2000-PS-0006.mxd



LEGEND

ROADWAY

WATERCOURSE

PHASE ONE STUDY AREA

PHASE ONE SITE BOUNDARY

WATERBODY

TREND IN DEPTH TO BEDROCK (METRES)

0 to 1

1 to 2

2 to 3

3 to 5

5 to 10

10 to 15

15 to 25

25 to 50

50 to 100

100 to 200

NOTE(S)

1. THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 1537295-2000.

REFERENCE(S)

1. 2010 BÉLANGER, J. R., URBAN GEOLOGY OF THE NATIONAL CAPITAL AREA, GEOLOGICAL SURVEY OF CANADA, OPEN FILE D3256, 2001

2. LAND INFORMATION ONTARIO (LIO) DATA PRODUCED BY GOLDER ASSOCIATES LTD. UNDER LICENCE FROM ONTARIO MINISTRY OF NATURAL RESOURCES, © QUEENS PRINTER 2014

3. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83

COORDINATE SYSTEM: MTM ZONE 9 VERTICAL DATUM: CGVD28

CLIENT

CITY OF OTTAWA

PROJECT

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
PROPOSED OTTAWA POLICE SERVICE SOUTH CAMPUS FACILITY
55 LODGE ROAD, OTTAWA, ONTARIO

TITLE

DRIFT THICKNESS

CONSULTANT	YYYY-MM-DD	2016-09-21
DESIGNED	----	
PREPARED	JEM	
REVIEWED	AW	
APPROVED	EDW	

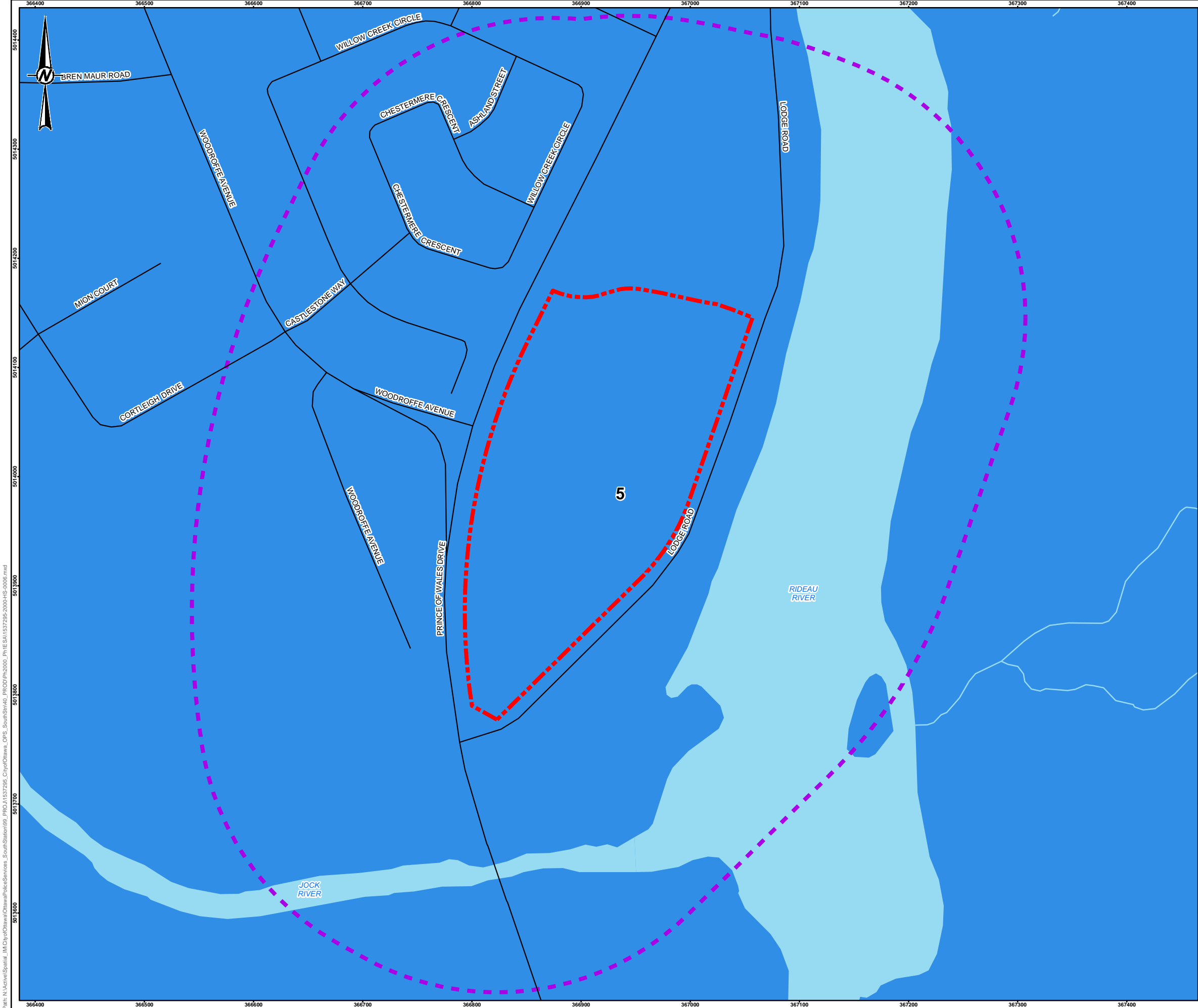
PROJECT NO. 1537295

PHASE 2000

REV. 0

FIGURE 5

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: 28mm



LEGEND

- ROADWAY
- WATERCOURSE
- PHASE ONE STUDY AREA
- PHASE ONE SITE BOUNDARY
- WATERBODY
- 5: OXFORD FORMATION - DOLOSTONE, MINOR SHALE AND SANDSTONE

NOTE(S)

1. THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 1537295-2000.

REFERENCE(S)

1. ARMSTRONG, D.K. AND DODGE, J.E.P. 2007. PALEOZOIC GEOLOGY OF SOUTHERN ONTARIO; ONTARIO GEOLOGICAL SURVEY, MISCELLANEOUS RELEASE--DATA 219
2. LAND INFORMATION ONTARIO (LIO) DATA PRODUCED BY GOLDER ASSOCIATES LTD. UNDER LICENCE FROM ONTARIO MINISTRY OF NATURAL RESOURCES, © QUEENS PRINTER 2014
3. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: MTM ZONE 9 VERTICAL DATUM: CGVD28

CLIENT

CITY OF OTTAWA

PROJECT

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
PROPOSED OTTAWA POLICE SERVICE SOUTH CAMPUS FACILITY
55 LODGE ROAD, OTTAWA, ONTARIO

TITLE

BEDROCK GEOLOGY

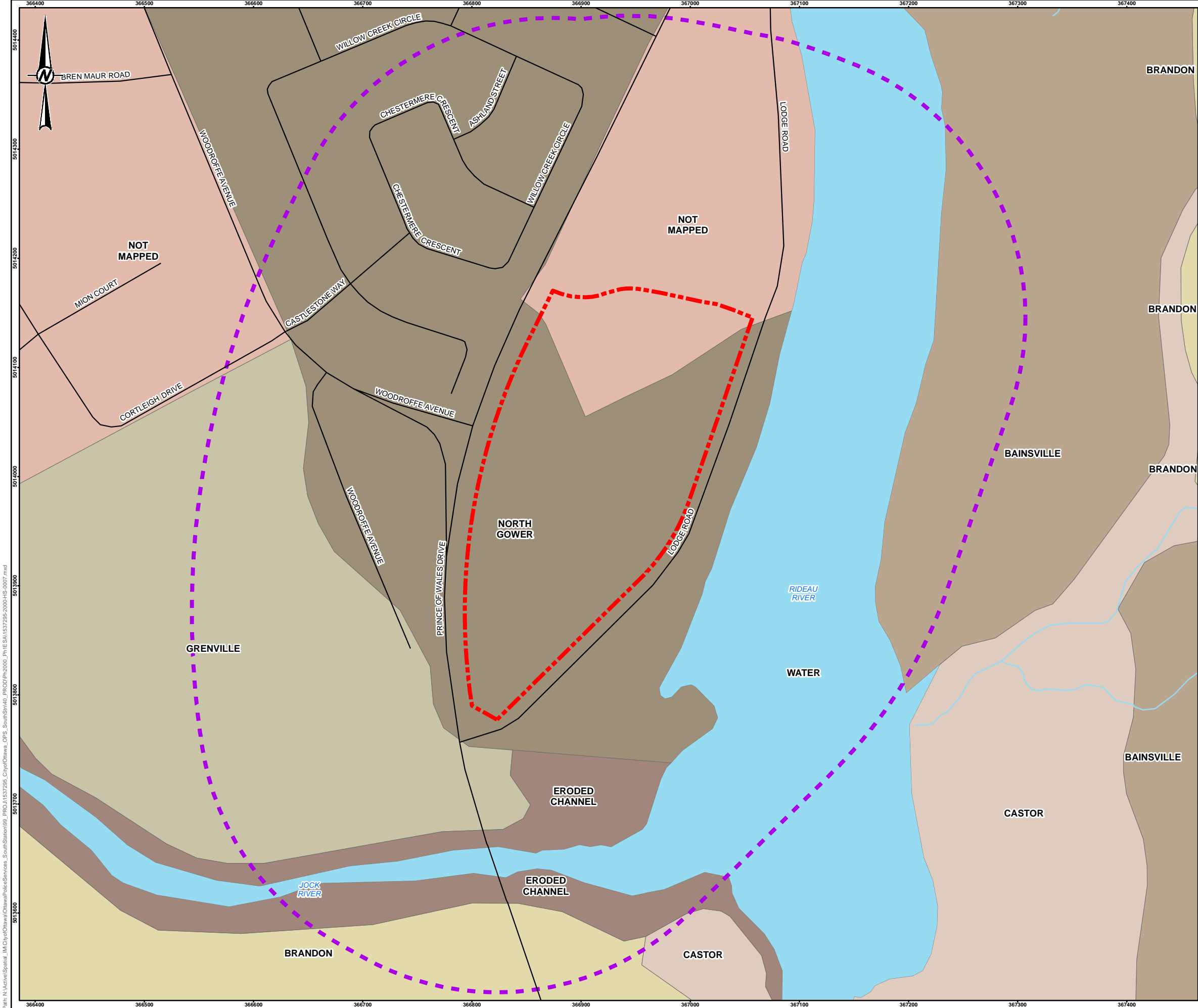
CONSULTANT	YYYY-MM-DD	2016-09-21
DESIGNED	----	
PREPARED	JEM	
REVIEWED	AW	
APPROVED	EDW	

PROJECT NO. 1537295

PHASE 2000

REV. 0

FIGURE 6



LEGEND

- ROADWAY
- WATERCOURSE
- PHASE ONE STUDY AREA
- PHASE ONE SITE BOUNDARY
- BAINSVILLE
- BRANDON
- CASTOR
- ERODED CHANNEL
- GRENVILLE
- NORTH GOWER
- NOT MAPPED
- WATER

0 35 70 140
1:3,500 METRES

NOTE(S)

1. THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 1537295-2000.

REFERENCE(S)

1. LAND INFORMATION ONTARIO (LIO) DATA PRODUCED BY GOLDER ASSOCIATES LTD. UNDER LICENCE FROM ONTARIO MINISTRY OF NATURAL RESOURCES, © QUEENS PRINTER 2014
2. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: MTM ZONE 9 VERTICAL DATUM: CGVD28

CLIENT
CITY OF OTTAWA

PROJECT
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
PROPOSED OTTAWA POLICE SERVICE SOUTH CAMPUS FACILITY
55 LODGE ROAD, OTTAWA, ONTARIO

TITLE
SURVEY SOIL COMPLEX (ONTARIO SOILS)

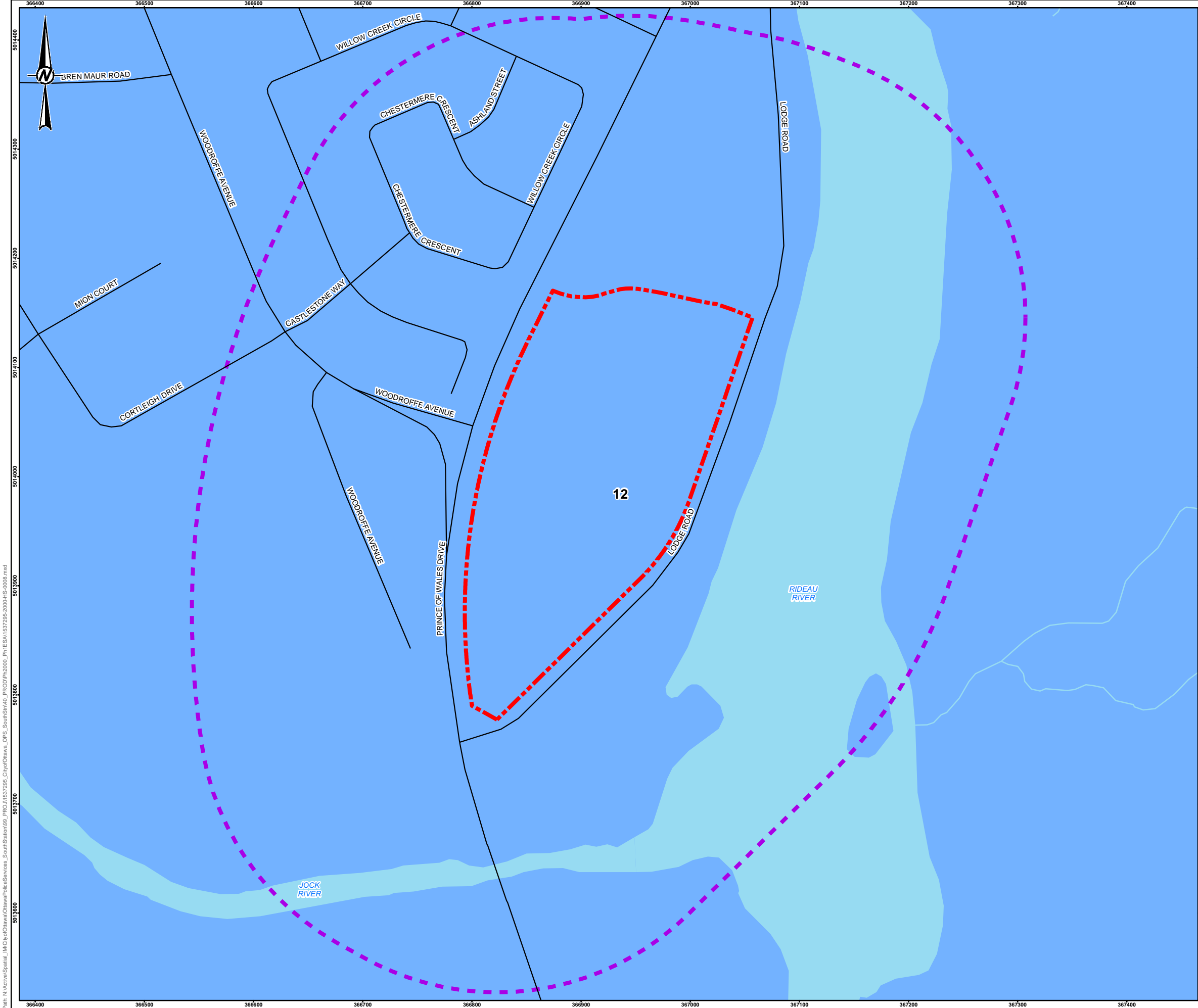
CONSULTANT	YYYY-MM-DD	2016-09-21
DESIGNED	----	
PREPARED	JEM	
REVIEWED	AW	
APPROVED	EDW	

PROJECT NO.
1537295

PHASE
2000

REV.
0

FIGURE
7



LEGEND

- ROADWAY
- WATERCOURSE
- PHASE ONE STUDY AREA
- PHASE ONE SITE BOUNDARY
- WATERBODY
- 12: CLAY PLAINS

NOTE(S)

1. THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 1537295-2000.

REFERENCE(S)

1. CHAPMAN, L.J. AND PUTNAM, D.F. 2007. PHYSIOGRAPHY OF SOUTHERN ONTARIO; ONTARIO GEOLOGICAL SURVEY, MISCELLANEOUS RELEASE DATA 228
2. LAND INFORMATION ONTARIO (LIO) DATA PRODUCED BY GOLDER ASSOCIATES LTD. UNDER LICENCE FROM ONTARIO MINISTRY OF NATURAL RESOURCES, © QUEENS PRINTER 2014
3. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: MTM ZONE 9 VERTICAL DATUM: CGVD28

CLIENT

CITY OF OTTAWA

PROJECT

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
PROPOSED OTTAWA POLICE SERVICE SOUTH CAMPUS FACILITY
55 LODGE ROAD, OTTAWA, ONTARIO

TITLE

PHYSIOGRAPHY MAP

CONSULTANT	YYYY-MM-DD	2016-09-21
DESIGNED	----	
PREPARED	JEM	
REVIEWED	AW	
APPROVED	EDW	

PROJECT NO. 1537295

PHASE 2000

REV. 0

FIGURE 8



APPENDIX A

Plan of Survey

Sketch to Illustrate Proposed
Ottawa Police Services Site, Being
PART OF LOTS 10 And 11
And
PART OF THE ROAD ALLOWANCE BETWEEN LOTS 10 And 11

(Closed by Unregistered By-law 38-56)

CONCESSION 1 (RIDEAU FRONT)

Geographic Township of Nepean

CITY OF OTTAWA

Prepared by Annis, O'Sullivan, Vollebekk Ltd.

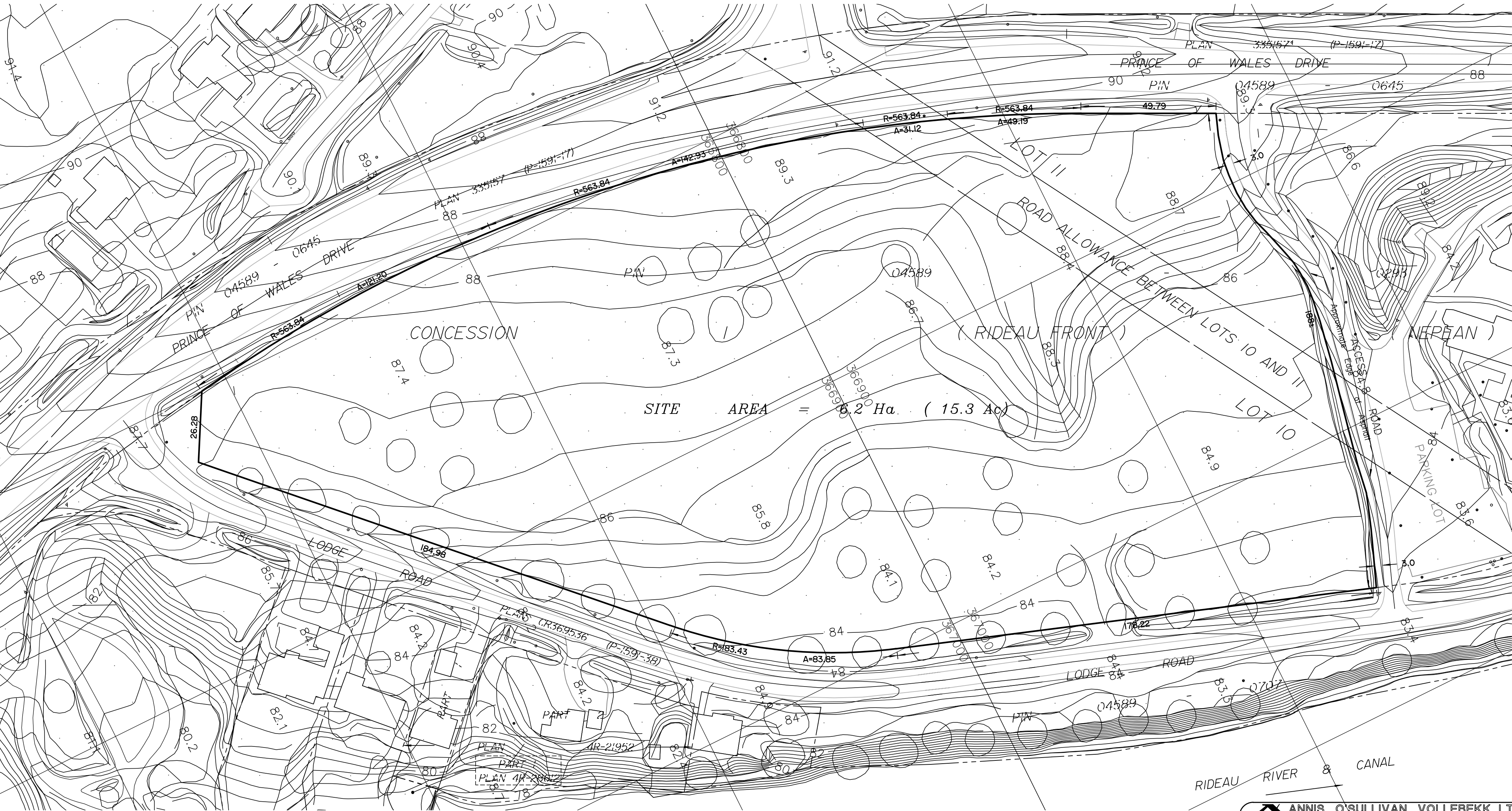
April 8, 2016

Scale 1 : 1000

40 30 20 10 0 20 40 Metres

Metric

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



ANNIS, O'SULLIVAN, VOLLEBEKK LTD.
14 Concourse Gate, Suite 500
Nepean, Ont. K2E 7S6
Phone: (613) 727-0850 / Fax: (613) 727-1079
Email: Nepean@aovltd.com
Ontario
Land Surveyors Job No. 17057-16 OPS Prince Of Wales Sk



APPENDIX B

Regulatory Requests and Responses

**Ministry of the Environment and Climate Change
City of Ottawa
Ministry of Natural Resources
Technical Standards and Safety Authority**



**PHASE I ENVIRONMENTAL SITE ASSESSMENT, 55 LODGE ROAD
OTTAWA POLICE SERVICES SOUTH CAMPUS FACILITY**

Ministry of the Environment and Climate Change

Ministry of the Environment
and Climate Change
Ottawa District Office
2430 Don Reid Drive, Suite 103
Ottawa Ontario
K1H 1E1
613-521-3450 or 1-800-860-2195
Fax: 613-521-5437

Ministère de l'Environnement et de
l'Action en matière de changement climatique
Bureau du district d'Ottawa
2430, promenade Don Reid, Unité 103
Ottawa (Ontario)
K1H 1E1
613-521-3450 ou 1-800-860-2195
Téléc. : 613-521-5437



OTT File No: 46

**INDEX REVIEW REPORT
COMMERCIAL/INDUSTRIAL/AGRICULTURAL**

Attention: Jillian Lackey Golder Associates	Your File: Date Received: May 25, 2016
--	---

Thank you for your inquiry requesting a search of records from the Ministry of the Environment and Climate Change (ministry). The ministry encourages you to use the available on-line resources to access publically-available information which may assist with your inquiry.

<u>PROPERTY OWNER AND LOCATION</u>			
Location:	Municipality:	Ottawa	
	Address:	55 Lodge Road	
		Lot	Concession Township

<u>INDEX OF NAMES FOR ORDERS</u>
We have searched the <i>Ottawa District Index Record of Active Orders</i> 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:
<input checked="" type="checkbox"/> No Active Orders are outstanding
Please Note: <i>For information related to any ministry Orders issued to the property in question, please request this information from the property owner. If you would like further information regarding a specific Order issued, please contact the Ottawa District Office.</i>
Date of Search: June 14, 2016

<u>RECORD OF SITE CONDITION</u>
For information on Records of Site Condition filed on the Environmental Site Registry since October 1, 2004, please use the following links: For records of site condition filed between October 1, 2004 and June 30, 2011 https://www.lrcsde.lrc.gov.on.ca/besrWebPublic/generalSearch , and for records of site condition filed since July 1, 2011 https://www.ontario.ca/environment-and-energy/records-site-condition

INDEX REVIEW REPORT COMMERCIAL/INDUSTRIAL/AGRICULTURAL

INDEX OF NAMES FOR APPROVALS ISSUED SINCE 1999

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 :

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

The ministry's **Access Environment** is an on-line, map-based search tool designed to allow the public, quick and easy access to the ministry approvals and registration information from December 1999 onward. Access Environment currently displays Environmental Compliance Approvals (ECA), Renewable Energy Approvals (REA) and registrations on the Environmental Activity and Sector Registry (EASR). ECAs include all Certificates of Approval (CofAs) previously issued under the Environmental Protection Act (EPA) and approvals previously issued under s.53 of the Ontario Water Resources Act (OWRA). You can access this information from the ministry website or at the following link:

www.accessenvironment.ene.gov.on.ca/AEWeb/ae/GoSearch.action?search=basic&lang=en

Copies of ECAs issued before January 1, 2000 can be obtained by submitting a Request for a Copy of an Environmental Compliance Approval

Please Note:

- 1) The information provided above is based solely on the address(es) and 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 1999.
- 3) 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.



No Approvals have been issued.

Date of Search: June 14, 2016

INDEX REVIEW REPORT COMMERCIAL/INDUSTRIAL/AGRICULTURAL

Additional site information related to the **location of landfill sites** in the province can be found at the following link:

<http://www.ontario.ca/environment-and-energy/small-landfill-sites>

<http://www.ontario.ca/environment-and-energy/map-large-landfill-sites>

The ministry's **Hazardous Waste Information Network (HWIN)** can also be accessed to search for information on generators, carriers, and receivers of subject waste in the province at the following link: www.hwin.ca

The ministry's **Environmental Compliance Reports** provide information about contaminant discharges to water and emissions to air that exceed limits found in legislation, environmental approvals, orders and/or policies/guidelines and can be accessed at the following link: <http://www.ontario.ca/environment-and-energy/environmental-compliance-reports>

Information on **Environmental Penalties**, which are monetary penalties that can be imposed by the ministry for some industrial spills, can be assessed at the following link: <https://www.ontario.ca/search/search-results?query=environmental%20penalties>


Additional ministry information can be accessed through the **Government of Ontario's Open Data Catalogue**: <http://www.ontario.ca/government/open-data-ontario>

The ministry also encourages you to consider best practices and standards of care used within the legal community and through your associations as a guide to obtaining information related to specific property for any legal purpose.

We trust this information will help meet your requirements quickly and effectively.

Please advise your colleagues that responses to requests for searches always take some time. As a result the Ministry of the Environment and Climate Change may not be able to meet deadlines imposed by other parties on real estate and other transactions.

Thank you for your inquiry.

Signature:			
Contact Name:	Johanne Veilleux		
Title:	Administrative Assistant		
Address:	Ministry of the Environment and Climate Change 2430 Don Reid Drive, Unit 103 Ottawa, ON K1H 1E1		
Phone:	(613) 521-3450 Ext 221	Date:	June 14, 2016
			E&OE

Please Note: If you would like to receive an email with all the environmental links above, please contact me at johanne.veilleux@ontario.ca and I will be pleased to send them to you.

From: Lackey, Jillian
Sent: May-25-16 4:39 PM
To: 'Desaulniers-Veilleux, Johanne (MOECC)'
Cc: Wilson, Eric
Subject: MOECC Request

Hello,

Could you please check for approvals and orders for the following property:

■ 55 Lodge Road, Ottawa, Ontario

Please let me know if you have any questions or require a Site plan. If you could provide index review reports that would be great.

Kindest Regards,

Jill

Jillian Lackey (M.A.Sc., P.Eng.) | Environmental Engineer | **Golder Associates Ltd.**

1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7

T: +1 (613) 592 9600 | **D:** +1 (613) 592-9600 x4362 | **F:** +1 (613) 592 9601 | **C:** +1 (613) 790 2812 | **E:**

Jillian_Lackey@golder.com | www.golder.com

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**PHASE I ENVIRONMENTAL SITE ASSESSMENT, 55 LODGE ROAD
OTTAWA POLICE SERVICES SOUTH CAMPUS FACILITY**

City of Ottawa

55 LODGE RD

PIN: 045890293

LEGAL DESCRIPTION / DESCRIPTION OFFICIELLE

PIN	LEGAL DESCRIPTION / DESCRIPTION OFFICIELLE
045890293	CON 1 RF PT LOTS 10 & 11



PROPERTY DIMENSIONS / DIMENSIONS DE LA PROPRIÉTÉ

	045890293
FRONTAGE - ft / FAÇADE - pi:	0.00
DEPTH - ft / PRONFONDEUR - pi:	0.00
PROPERTY AREA - acre / SUPERFICIE - acre:	26.7000

SERVICES / SERVICES

PIN	WASTE COLLECTION PICK-UP DAY AND ZONE / JOUR ET ZONE DE LA COLLECTE DES ORDURES
045890293	TUESDAY - Cal. A-APARTMENT Zone 2

WARD INFORMATION / INFORMATIONS WARD

PIN	WARD NUMBER / NUMÉRO DU QUARTIER	WARD NAME / NOM DU QUARTIER	COUNCILLOR NAME / NOM DU CONSEILLER - (ÈRE)
045890293	22	GLOUCESTER-SOUTH NEPEAN	Michael Qaqish



File Number: C10-01-16-0160

June 22, 2016

Sheila Barter
Golder Associates Ltd.
1931 Roberston Rd
Ottawa, ON
K2H 5B7

Sent via email [Sheila_barter@golder.com]

Dear Ms. Barter,

Re: Information Request
55 Lodge Road Ottawa, Ontario ("Subject Property")

Internal Department Circulation

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

- The City's Environmental Remediation Unit identifies that there are environmental records pertaining to the subject site on file at the City of Ottawa's Environmental Remediation Unit offices. Visit <http://ottawa.ca/en/city-hall/your-city-government/policies-and-administrative-structure/how-and-where-submit-request> to submit requests for information under the *Municipal Freedom of Information and Protection of Privacy Act*.

Search of Historical Land Use Inventory

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

A search of the HLUI database revealed the following information:

- There are no activities associated with the Subject Property.

Shaping our future together
Ensemble, formons notre avenir

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

110 Laurier Avenue West, 4th Floor
Ottawa, ON K1P 1J1
Tel: (613) 580-2424 ext. 24856
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. 24856
Télééc: (613) 560-6006
www.ottawa.ca

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

- There are no activities associated with the properties located within 50m of the Subject Property.

Additional information may be obtained by contacting:

Ontario's Environmental Registry

The Environmental Registry found at <http://www.ebr.gov.on.ca/ERS-WEB-External/> contains "public notices" about environmental matters being proposed by all government ministries covered by the Environmental Bill of Rights. The public notices may contain information about proposed new laws, regulations, policies and programs or about proposals to change or eliminate existing ones. By using key words i.e. name of proponent/owner and the address one can ascertain if there is any information on the proponent and address under the following categories: Ministry, keywords, notice types, Notice Status, Acts, Instruments and published date (all years).

The Ontario Land Registry Office

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

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

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

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

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

If you have any further questions or comments, please contact Stephanie Mirtitsch at 613-580-2424 ext. 24856 or HLUI@ottawa.ca

Sincerely,

A handwritten signature in black ink, appearing to be 'DW' followed by a stylized flourish.

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

DW / SM

Attach: 1

cc: File no. C10-01-16-0160



Scale 1: n/a

55 Lodge Rd
Ottawa, ON
File # C10-01-16-0160
Stephanie Mirtitsch



ID# = Activity Identification Number

 = Subject Site

Overview



DATE May 27, 2016

PROJECT No. 1537295

TO City of Ottawa
Development Approvals Division

FROM Sheila Barter

EMAIL sheila_barter@golder.com

RE: INFORMATION REQUEST – PHASE I ENVIRONMENTAL SITE ASSESSMENT FOR PART OF LOTS 10 & 11 AND PART OF ROAD ALLOWANCE BETWEEN LOTS 10 & 11, CONCESSION 1 (RIDEAU FRONT), GEOGRAPHIC TOWNSHIP OF NEPEAN, CITY OF OTTAWA, ONTARIO

To whom it may concern,

We are in the process of preparing a Phase I Environmental Site Assessment for the above noted property and are requesting that the City provide information from their files with respect to this property.

As per your requirements we have included the Request for Information – Phase I Environmental Site Assessment form, a disclaimer form, property owner authorization and key plan.

The information that we are requesting includes, but is not limited to, the following:

- Active Orders under the Environmental Protection Act (EPA), the Ontario Water Resources Act (OWRA), and the Pesticides Act (PA)
- 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 dumpsites on or in proximity to the property
- Any other environmental information

Golder Associates Ltd.

1931 Robertson Road, Ottawa, Ontario, Canada K2H 5B7
Tel: +1 (613) 592 9600 Fax: +1 (613) 592 9601 www.golder.com

Golder Associates: Operations in Africa, Asia, Australasia, Europe, North America and South America

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Your usual prompt attention to this matter is appreciated. Should you have any questions please contact our office.

GOLDER ASSOCIATES LTD.



Sheila Barter, B.Sc.Agr (Hons)
Environmental Consultant

SB

Hard copy to follow by mail: ☐ Yes ☒ No

Please advise immediately if any pages are not received. The document(s) included in this transmission are intended only for the recipient(s) names above and contain privileged and confidential information. Any unauthorized disclosure, dissemination or copying of this transmission is strictly prohibited. If you have received this transmission in error, please immediately notify our receptionist by telephone and destroy this transmission. Thank you.

n:\active\2015\3 proj\1537295 ops_south station\environmental\regulatory requests & responses\city of ottawa request.docx

DISCLAIMER

For use with HLUI Database

CITY OF OTTAWA ("the City") is the owner of the HISTORICAL LAND USE INVENTORY ("HLUI"), a database of information on the type and location of land uses within the geographic area of Ottawa, which had or have the potential to cause contamination in soil, groundwater or surface water.

The City, in providing information from the HLUI, to Golder Associates Ltd. ("the Requester") does so only under the following conditions and understanding:

1. This is a free service offered by the City.
2. The information which is contained in the HLUI has been compiled from publicly available records and other sources of information. The HLUI may contain erroneous information given that such records and sources of information may be flawed. Changes in municipal addresses over time may have introduced error in such records and sources of information. The City is not responsible for any errors or omissions in the HLUI and reserves the right to change and update the HLUI without further notice. The City does not, however, make any commitment to update the HLUI. Accordingly, all information from the HLUI is provided "as is".
3. City staff will perform a search of the HLUI based on the information given by the Requester. City staff will make every effort to be accurate, however, the City does not provide an assurance, guarantee, warranty, representation (express or implied), as to the availability, accuracy, completeness or currency of information which will be provided to the Requester. The HLUI in no way confirms the presence or absence of contamination or pollution of any kind. The information to be provided by the City to the Requester is provided on the assumption that no person shall rely on it without undertaking independent verification of it for any purpose whatsoever and all liability to any such person is denied.
4. The City, its employees, servants, agents, boards, officials or contractors take no responsibility for any actions, claims, losses, liability, judgments, demands, expenses, costs, damages or harm suffered by any person whatsoever including negligence in compiling or disseminating information in the HLUI.
5. Copyright is reserved to the City.
6. Any use of the information provided from the HLUI which a third party makes, or any reliance on or decisions to be based on it, are the responsibilities of such third parties. The City, its employees, servants, agents, boards, officials or contractors accept no responsibility for any damages, if any, suffered by a third party as a result of decisions made as a result of an information search of the HLUI.
7. Any use of this service by the Requestor indicates an acknowledgement, acceptance and limits of this disclaimer.
8. All information collected under this request and all records provided in response to this request are subject to the provisions of the *Municipal Freedom of Information and Protection of Privacy Act*, R.S.O. 1990,c. M56, as amended.

Signed: _____

Per: Sheila Barter

Title: Environmental Consultant

Company: Golder Associates

Dated: _____

May 27, 2016

CONFIDENTIAL

Phase 1 – Environmental Site Assessment

Request for Information

(Informal Request)*

1. REQUESTER INFORMATION

- a) Name of Requester: Sheila Barter
- b) Address of Requester: 1931 Robertson Rd.
- c) Telephone Number: 613-592-9600
- d) Site Address: Lot- Part of lots 10 & 11 Concession: 1 (Rideau Front)
Street: 55 Lodge Road City/Town: Ottawa, ON (Nepean)
Postal Code: _____
- e) Legal Plan Attached: Yes (☒) No (☐)
- f) Site Owner: City of Ottawa / Ottawa Police Service
- g) Adjacent Property Owners: _____
Date of Ownership: _____
Previous Owner(s): _____
Type of Site: (☒) vacant, (☐) residential, (☐) commercial,
(☐) other (specify) _____
- h) Requestors relationship to Site: Consultant
- i) Date of Previous Request: _____
- j) Date of Previous ESA: _____
- k) Information Requested: _____

2. CONFIDENTIALITY

- a) Consent Required: (☐) Owner (☐) Tenant (☐) Purchaser (☐) Legal**
- b) Consent Obtained: (☐) Owner (☐) Tenant (☐) Purchaser (☐) Legal**

*(If formal MFIPPA request, please forward to Corporate Access and Privacy Coordinator, Clerk's Department)

** (Consent letters must contain the information required, give authorization to requestor, and be dated and signed)

This form has been prepared by Golder Associates, for client use, with regard to submissions to the City of Ottawa ("City") for environmental related information on the property noted below. It will be used by Golder Associates, who have been retained to carry out a Phase I Environmental Site Assessment.

This form is to be completed by the property owner/agent and forwarded to Golder Associates Ltd. who will then append it with a request for information to the City. The intent of the form is to notify the City that Golder Associates Ltd. is authorised to access the requested environmental information.

.....

Property Location Information:

Civic Address 55 Lodge Rd

Legal Description PIN 045890293

Property Contact Information: OTTAWA Police Facilities

Owner City of OTTAWA / OPS

Phone Number 613 - 236-1222 ext

Requesting Party Representative Pamela Mills
(Owner, Tenant, Purchaser, Legal, etc)

Requesting Party
Representative Signature 

Date MAY 27, 2016

If you are using a web browser other than Microsoft Internet Explorer, please use the Export button to save this report as Word or pdf. You can then print the saved document.

1 of 1 100% Find | Next | Previous | Home



PROPERTY INFORMATION
INFORMATION SUR LA PROPRIÉTÉ

Run On: 5/27/2016 12:00:38 PM

55 LODGE RD

PIN: 045890293

LEGAL DESCRIPTION / DESCRIPTION OFFICIELLE

PIN LEGAL DESCRIPTION / DESCRIPTION OFFICIELLE
045890293 CON 1 RF PT LOTS 10 & 11



PROPERTY DIMENSIONS / DIMENSIONS DE LA PROPRIÉTÉ

	045890293
FRONTAGE - ft / FAÇADE - pi	0.00
DEPTH - ft / PROFONDEUR - pi	0.00
PROPERTY AREA - acre / SUPERFICIE - acre:	26.7000

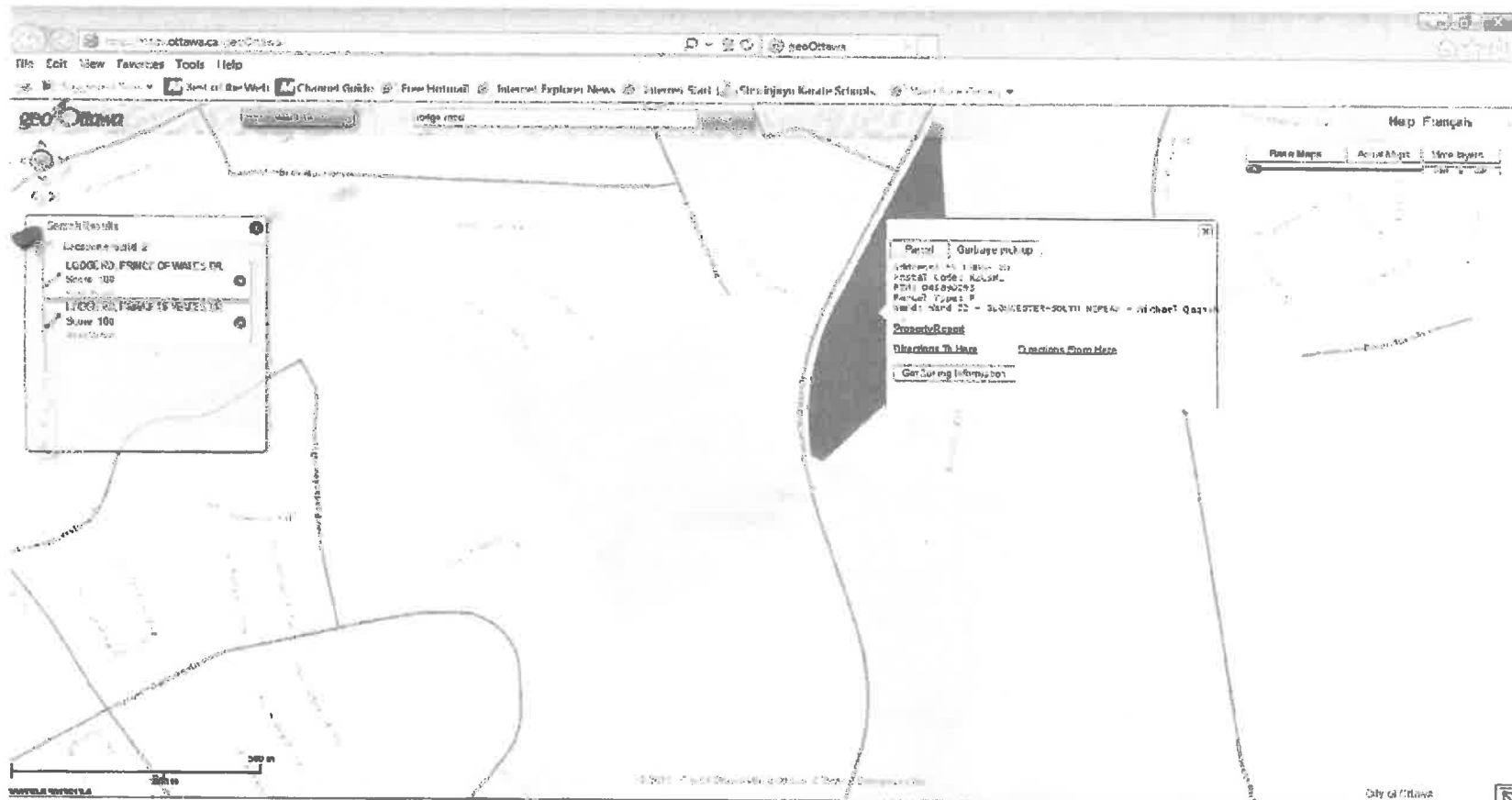
SERVICES / SERVICES

PIN	WASTE COLLECTION PICK-UP DAY AND ZONE / JOUR ET ZONE DE LA COLLECTE DES ORDURES
045890293	TUESDAY - Cal. A-APARTMENT Zone 2

WARD INFORMATION / INFORMATIONS WARD

PIN	WARD NUMBER / NUMÉRO DU QUARTIER	WARD NAME / NOM DU QUARTIER	COUNCILLOR NAME / NOM DU CONSEILLER - (ÈRE)
045890293	22	GLOUCESTER-SOUTH NEPEAN	Michael Qaqish

Page: 1 of 1





**PHASE I ENVIRONMENTAL SITE ASSESSMENT, 55 LODGE ROAD
OTTAWA POLICE SERVICES SOUTH CAMPUS FACILITY**

Ministry of Natural Resources

From: Inforequest, Kemptville (MNRF) <Kemptville.Inforequest@ontario.ca>
Sent: May-31-16 1:07 PM
To: Weeks, Gwendolyn
Cc: Inforequest, Kemptville (MNRF)
Subject: MNR Kemptville District Information Request (2016_NEP-3490) Response
Attachments: ESA_Infosheet-InfoRequest.pdf; NHIC-LIO_Infosheet-InfoRequest.pdf; 2016_NEP-3490_Response.pdf

Importance: High

Hello,

Gwendolyn Weeks
Golder

Please find attached a response to your information request for project 'OPS South Facility'.

Sincerely,

Information Request Services
Kemptville District
Ministry of Natural Resources



Natural Areas and Features Information Request Form

Contact Information

Name: _____
 Address: _____
 Phone Number: _____ Owner _____ Consultant _____
 E-mail Address: _____

***All red fields are mandatory**

This includes X & Y Coordinates.

Please see _____ for assistance.

Site Information

Project Name: _____

Township: _____ Lot: _____ Concession: _____

X: _____ Y: _____ Address: _____

***If more than 1 site, please provide all individual coordinates in an attached spreadsheet*

Type of Proposal

- ☐ Severance / Zoning ☐ Drains / Roads / Culverts
☐ Hydroline clearing ☐ Small Scale Projects (less than 5 hectares)
☐ RE Projects ☐ Large Scale Projects (5 hectares or greater)
☐ Aggregate Project Other: _____

Attachments

*****Please attach a Site Map showing the area of interest**

☐ Picture ☐ Map(s) ☐ Engineered Drawings Other: _____

Request

I would like to request the following information for the property identified above:

To better respond to your request please briefly outline the purpose for which this information is required (e.g. proposed development, lot severance, etc. or attach details):

Date of works proposed: ____ / ____ / ____

Personal information contained in this form is collected in order to fulfill your request, respond to your inquiries and for other administration purposes. With regard to the personal information it collects, the ministry is bound by privacy protection rules under the Freedom of Information and Protection of Privacy Act and takes all necessary steps to safeguard personal information collected.

Please Note: This request **MUST** be made by the property owner or by someone acting on their behalf.
 Depending on the nature of the request, it may take 6-8 weeks to respond to your inquiry.
 If the request does not include the mandatory information, it may delay response time.

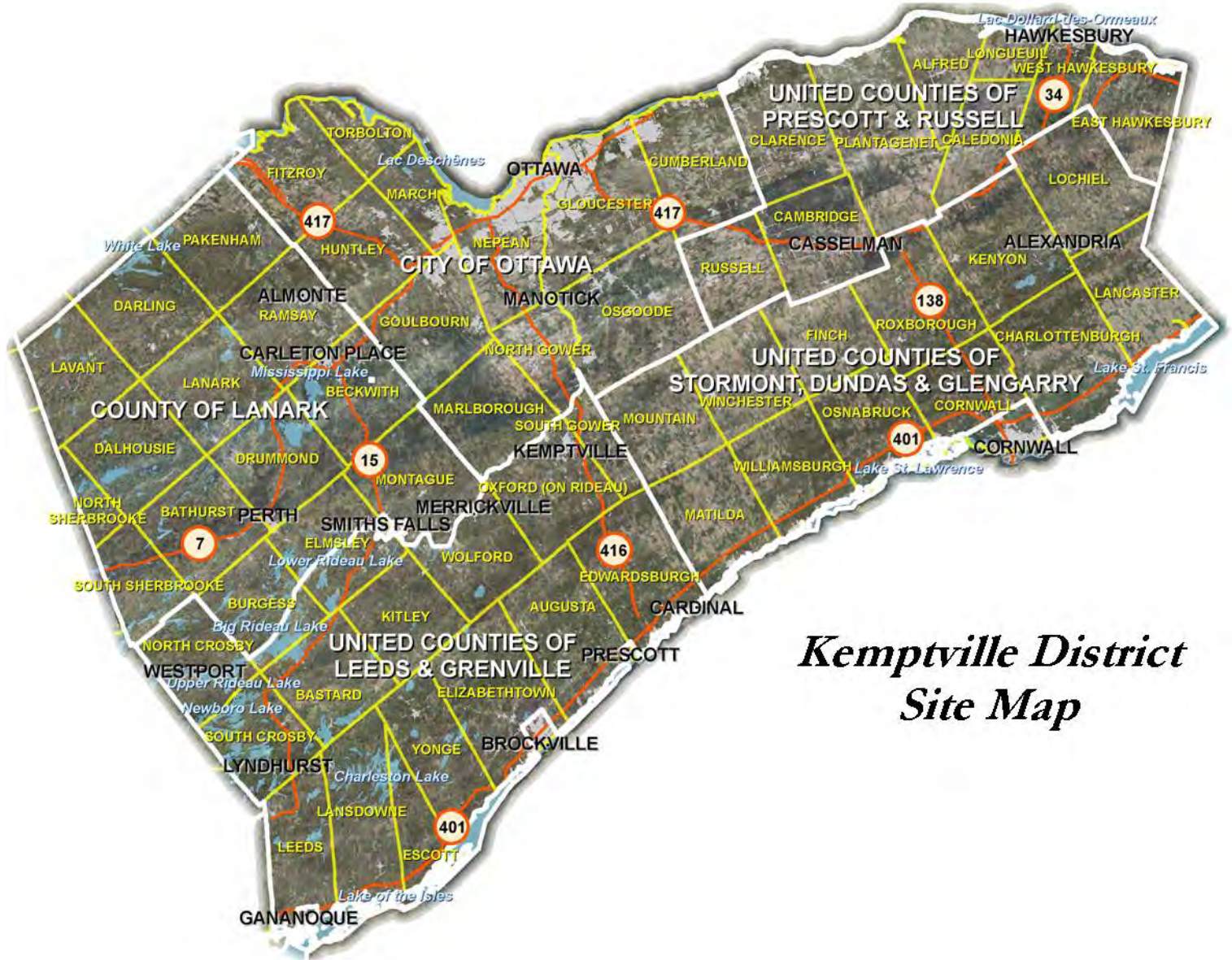
I have read the above and agree to all Terms and Conditions

Please forward the completed form to:

OR Fax: 613-258-3920

Attention: Information Requests
 10 Campus Drive, Postal Bag 2002
 Kempeville, ON K0G 1J0

MNR File Number: _____



Kemptville District Site Map

How to get X, Y coordinates from Google Maps (2 options):

- 1.) Right-click on the map, at the point of interest, and select 'What's here?'.
-The Latitude & Longitude of the mouse click, in decimal degrees, will automatically appear in the Search box.

OR

- 2.) Click on 'Maps Labs' in Google Maps.
-The following window will appear:



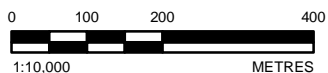
- Enable the LatLng Tooltip and then Save Changes.
- Now every time the **SHIFT** button is pressed in Google Maps, a Tool tip will appear with the Latitude and Longitude of the mouse location in decimal degrees.



LEGEND

- STUDY AREA
- ROADWAY
- WATERCOURSE
- WATERBODY

DRAFT



NOTE(S)

1. THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. PROPOSAL NO. P1533917

REFERENCE(S)

1. LAND INFORMATION ONTARIO (LIO) DATA PRODUCED BY GOLDER ASSOCIATES LTD. UNDER LICENCE FROM ONTARIO MINISTRY OF NATURAL RESOURCES, © QUEENS PRINTER 2014
2. SERVICE LAYER CREDITS: SOURCE: ESRI, DIGITALGLOBE, GEOEYE, I-CUBED, EARTHSTAR GEOGRAPHICS, CNES/AIRBUS DS, USDA, USGS, AEX, GETMAPPING, AEROGIRID, IGN, IGP, SWISSTOPO, AND THE GIS USER COMMUNITY
3. SOURCES: ESRI, HERE, DELORME, USGS, INTERMAP, INCREMENT P CORP., NRCAN, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), ESRI (THAILAND), TOMTOM, MAPMYINDIA, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
4. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: UTM ZONE 18 VERTICAL DATUM: CGVD28

CLIENT
MHPM PROJECT MANAGERS INC.

PROJECT
OTTAWA POLICE SERVICES SOUTH STATION, OTTAWA

TITLE
SITE PLAN

CONSULTANT	YYYY-MM-DD	2015-07-29
	DESIGNED	----
	PREPARED	BR
	REVIEWED	----
	APPROVED	----



PROPOSAL NO. P1533917	PHASE	REV. A	MAP 1
--------------------------	-------	-----------	----------

From: Weeks, Gwendolyn
Sent: May-10-16 3:43 PM
To: Inforequest, Kemptville (MNR) (Kemptville.Inforequest@ontario.ca)
Subject: Information Request_OPS South Facility
Attachments: OPS South_KV_InfoRequest_EN.pdf; P1537295-01.pdf

Hi There,

Please find attached a completed information request form for the OPS South Facility project. Also attached is a figure showing the site location.

Please let me know if there is anything else you need.

Thanks,

-Gwendolyn

Gwendolyn Weeks (H.B.Sc.Env) | Ecologist | **Golder Associates Ltd.**

1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7

◀ We Have Moved!

T: +1 (613) 592 9600 | **D:** +1 (613) 592-9600 x4234 | **F:** +1 (613) 592 9601 | **C:** +1 (613) 913-1179 | **E:**
Gwendolyn.Weeks@golder.com | www.golder.com

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Natural. Valued. Protected.

Endangered Species Act, 2007 & Species At Risk in Ontario

Background

Endangered Species Act: http://www.e-laws.gov.on.ca/html/statutes/english/elaws_statutes-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.

**Ministry of Natural
Resources and Forestry**

Kemptville District

10 Campus Drive
Postal Box 2002
Kemptville ON K0G 1J0
Tel.: 613 258-8204
Fax: 613 258-3920

**Ministère des Richesses
naturelles et des Forêts**

District de Kemptville

10, promenade Campus
Case postale, 2002
Kemptville ON K0G 1J0
Tél.: 613 258-8204
Télé.: 613 258-3920



Tue. May 31, 2016

Gwendolyn Weeks
Golder
1931 Robertson Rd.
Ottawa, Ontario
K2K 2A9
(613) 592-9600
gwendolyn_weeks@golder.com

Attention: Gwendolyn Weeks

Subject: Information Request - Developments
Project Name: OPS South Facility
Our File No. 2016_NEP-3490

Natural Heritage Values

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

The MNRF works closely with partner agencies and local municipalities in order to establish concurrent approval process and to achieve streamlined and efficient service delivery. The MNRF strongly encourages all proponents to contact partner agencies (e.g. MOECC, 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.

Natural heritage features and values contribute to the province's rich biodiversity and provide habitat for a variety of species. The following Natural Heritage values were identified:

- Fish Nursery, Carps and Minnows Nursery Area (Non-Sensitive)
- Fish Nursery, Johnny Darter Nursery Area (Non-Sensitive)
- Fish Nursery, Largemouth Bass Nursery Area (Non-Sensitive)
- Fish Nursery, Logperch Nursery Area (Non-Sensitive)
- Fish Nursery, Muskellunge Nursery Area (Non-Sensitive)
- Fish Nursery, Rock Bass Nursery Area (Non-Sensitive)

Kemptville District

District de Kemptville

10 Campus Drive
Postal Box 2002
Kemptville ON K0G 1J0
Tel.: 613 258-8204
Fax: 613 258-3920

10, promenade Campus
Case postale, 2002
Kemptville ON K0G 1J0
Tél.: 613 258-8204
Télé.: 613 258-3920

- Fish Nursery, Smallmouth Bass Nursery Area (Non-Sensitive)
- Fish Nursery, Yellow Perch Nursery Area (Non-Sensitive)
- River (Non-Sensitive)
- River, Jock River (Non-Sensitive)
- Spawning Area, Walleye Spawning Area (Non-Sensitive)
- Unevaluated Wetland (Not evaluated per OWES)

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 MNRF strongly recommends contacting the local Conservation Authority for further information and approvals. Please see the MNRF Kemptville Information Guide (2012) for contact information pertaining to Conservation Authorities located within the Kemptville District area.

For additional information and online mapping tools, please see the Natural Heritage Information Centre (NHIC), where additional data and files can be downloaded in both list and digital format. In addition sensitive species information can be requested and accessed through the NHIC at NHICrequests@ontario.ca.

In Addition, the following Fish species were identified: alewife, banded killifish, black crappie, blackchin shiner, blacknose shiner, bluegill, bluntnose minnow, brassy minnow, bridle shiner, brook silverside, brook stickleback, brown bullhead, Carps and Minnows, central mudminnow, common carp, common shiner, creek chub, eastern silvery minnow, emerald shiner, fallfish, fathead minnow, golden shiner, greater redhorse, hornyhead chub, johnny darter, johnny darter/tessellated darter, largemouth bass, logperch, longnose dace, mimic shiner, Moxostoma sp., muskellunge, northern pike, northern redbelly dace, pumpkinseed, rock bass, shorthead redhorse, silver redhorse, smallmouth bass, spottail shiner, stonecat, trout-perch, walleye, white sucker.

As per the Natural Heritage Reference Manual (Section 13; OMNRF 2010) the MNRF 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 MNRF 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 allow for the municipality to make planning decisions which are consistent with the Provincial Policy Statement (2014).

Species at Risk

It is important to understand which species and habitats exist in the area and the implications of the Endangered Species Act (ESA, 2007). A review of the Natural Heritage Information Centre (NHIC) and internal records 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)
- Bobolink (THR)
- Butternut (END)
- Eastern Meadowlark (THR)
- Whip poor will (THR)

All Endangered and Threatened species receive individual protection under section 9 of the ESA and receive general habitat protection under Section 10 of the ESA, 2007. 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.

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

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:

- Milksnake (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, MNRF 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 MNRF.

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 MNRF'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 MNRF 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 MNRF for technical advice and to discuss what activities can occur without contravention of the Act. If an activity is proposed that will contravene the ESA (such as Section 9 or 10), the proponent must contact the MNRF to discuss the potential for a permit (Section 17). For specific questions regarding the Endangered Species Act (2007) or SAR, please contact a district Management Biologist at sar.kemptville@ontario.ca. For more information regarding the ESA (2007), please see attached ESA Information Sheet.

As of July 1, 2013, the approvals processes for a number of activities that have the potential to impact SAR or their habitat were changed in an effort to streamline approvals processes while continuing to protect and sustainably manage Ontario's natural resources. For those activities that require registration with the Ministry, businesses and individuals will be able to do so through a new online system. The online system will also include information to help guide individuals and businesses through the new processes. For further information on which activities are authorized through this new online registration process and how to apply, please refer to the following website: http://www.MNRF.gov.on.ca/en/About/2ColumnSubPage/STDPROD_104342.html. General inquiries may be directed towards Kemptville District MNRF, while questions and comments involving the new online forms can be directed to the Registry Approvals Service Centre (RASC) at 1-855-613-4256 or MNRF.rasc@ontario.ca.

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 (see general habitat protection above).

This letter is valid until: Wed. May 31, 2017

**Ministry of Natural
Resources and Forestry**

Kemptville District

10 Campus Drive
Postal Box 2002
Kemptville ON K0G 1J0
Tel.: 613 258-8204
Fax: 613 258-3920

**Ministère des Richesses
naturelles et des Forêts**

District de Kemptville

10, promenade Campus
Case postale, 2002
Kemptville ON K0G 1J0
Tél.: 613 258-8204
Téléc.: 613 258-3920



MNRF is streamlining and automating its approvals processes for natural resource-related activities. Some activities that may otherwise contravene the ESA may be eligible to proceed without a permit from MNRF provided that regulatory conditions are met for the ongoing protection of species at risk and their habitats. There are regulatory provisions for projects that have attained a specified level of approval prior to, or shortly after, the specified species or its habitat became protected under the ESA. Their requirements include registering the activity with the Ministry of Natural Resources and Forestry, taking steps to immediately minimize adverse effects on species and habitat, and developing a mitigation plan. Anyone intending to use this regulatory provision is strongly advised to review Ontario Regulation 242/08 under the Endangered Species Act, 2007 for the full legal requirements.

For more information please check out the following link <http://www.ontario.ca/environment-and-energy/development-and-infrastructure-projects-and-endangered-or-threatened-species>

The MNRF 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,

A handwritten signature in black ink, appearing to read "Lisa McShane".

Lisa McShane
Management Biologist
lisa.mcshane@ontario.ca

Encl.\
-ESA Infosheet
-NHIC/LIO Infosheet

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).



Technical Standards and Safety Authority

From: Ruchi Chohan <rchohan@tssa.org> on behalf of Public Information Services
<publicinformationservices@tssa.org>
Sent: May-26-16 10:07 AM
To: Lackey, Jillian
Subject: RE: TSSA Search Request

Follow Up Flag: Follow up
Flag Status: Flagged

Good Morning Jill,

Thank you for your inquiry.

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

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

Thank you and have a good day!

Ruchi



Public Information Services

Facilities & Business Services

3300 Bloor Street West

Center Tower, 16th Floor

Toronto, Ontario, M8X-2X4

Tel: 1-877-682-8772 Fax: (416) 734-3568 E-mail: publicinformationservices@tssa.org

www.tssa.org



From: Lackey, Jillian [mailto:Jillian_Lackey@golder.com]
Sent: Wednesday, May 25, 2016 4:40 PM
To: Public Information Services <publicinformationservices@tssa.org>
Cc: Wilson, Eric <Eric_Wilson@golder.com>
Subject: TSSA Search Request

Hello,

Could you please perform a TSSA database search for any underground storage tanks, registered fuel tanks, outstanding instructions, incident reports, fuel oil spills or contaminations records for the following property:

- 55 Lodge Road, Ottawa, Ontario

Please let me know if you have any questions.

Kindest Regards,

Jill

Jillian Lackey (M.A.Sc., P.Eng.) | Environmental Engineer | **Golder Associates Ltd.**

1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7

T: +1 (613) 592 9600 | **D:** +1 (613) 592-9600 x4362 | **F:** +1 (613) 592 9601 | **C:** +1 (613) 790 2812 | **E:**

Jillian_Lackey@golder.com | www.golder.com

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APPENDIX C

EcoLog ERIS Report, Street Directories, Fire Insurance Plans and Chain of Title

DATABASE REPORT

Project Property: *OPS - South Campus Project
55 Lodge Rd
Ottawa ON K2C3H1
1537295*

Project No:

Report Type: *Quote - Custom-Build Your Own Report*

Order No: *20160525115*

Requested by: *Golder Associates Ltd.*

Date Completed: *June 1, 2016*

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

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

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Executive Summary

Property Information:

Project Property: OPS - South Campus Project
55 Lodge Rd Ottawa ON K2C3H1

Project No: 1537295

Order Information:

Order No: 20160525115
Date Requested: May 25, 2016
Requested by: Golder Associates Ltd.
Report Type: Quote - Custom-Build Your Own Report

Additional Products:

Aerial Photographs National Collection - Digital (PDF)
City Directory Search Subject Site plus 10 Adjacent Properties
Fire Insurance Maps Canadian Fire Insurance Maps

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	3	21	24
CA	Certificates of Approval	Y	2	0	2
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	1	0	1
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	0	0
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EXP	List of TSSA Expired Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Waste Generators Summary	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	5	0	5
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBW	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	TSSA Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	1	1
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	8	25	33
Total:			19	47	66

Executive Summary: Site Report Summary - Project Property

<i>DB</i>	<i>Map Key</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
BORE	4		ON	-/0.0	-1.84	13
BORE	4		ON	-/0.0	-1.84	13
BORE	5		ON	-/0.0	-1.58	14
CA	6	Carleton Lodge Well Supply	55 Lodge Road Ottawa ON K2C 3H1	-/0.0	-1.52	27
CA	6	City of Ottawa	55 Lodge Road Ottawa ON K2C 3H1	-/0.0	-1.52	28
EASR	6	CITY OF OTTAWA	55 LODGE OTTAWA ON	-/0.0	-1.52	28
GEN	2	City of Ottawa	55 Lodge Road Ottawa ON	-/0.0	-1.14	28
GEN	2	City of Ottawa	55 Lodge Road Ottawa ON	-/0.0	-1.14	28
GEN	6	City of Ottawa	55 Lodge Rd. Ottawa ON K2C 3H1	-/0.0	-1.52	29
GEN	6	City of Ottawa	55 Lodge Rd. Ottawa ON K2C 3H1	-/0.0	-1.52	29
GEN	6	City of Ottawa	55 Lodge Road Nepean ON K2C 3H1	-/0.0	-1.52	29
WWIS	1		OTTAWA ON	-/0.0	0.48	30
WWIS	1		lot 10 con 1 OTTAWA ON	-/0.0	0.48	30
WWIS	3		lot 10 con 1 ON	-/0.0	-1.72	31
WWIS	7		lot 10 con 1 ON	-/0.0	-1.30	31
WWIS	7		lot 10 con 1 ON	-/0.0	-1.30	32

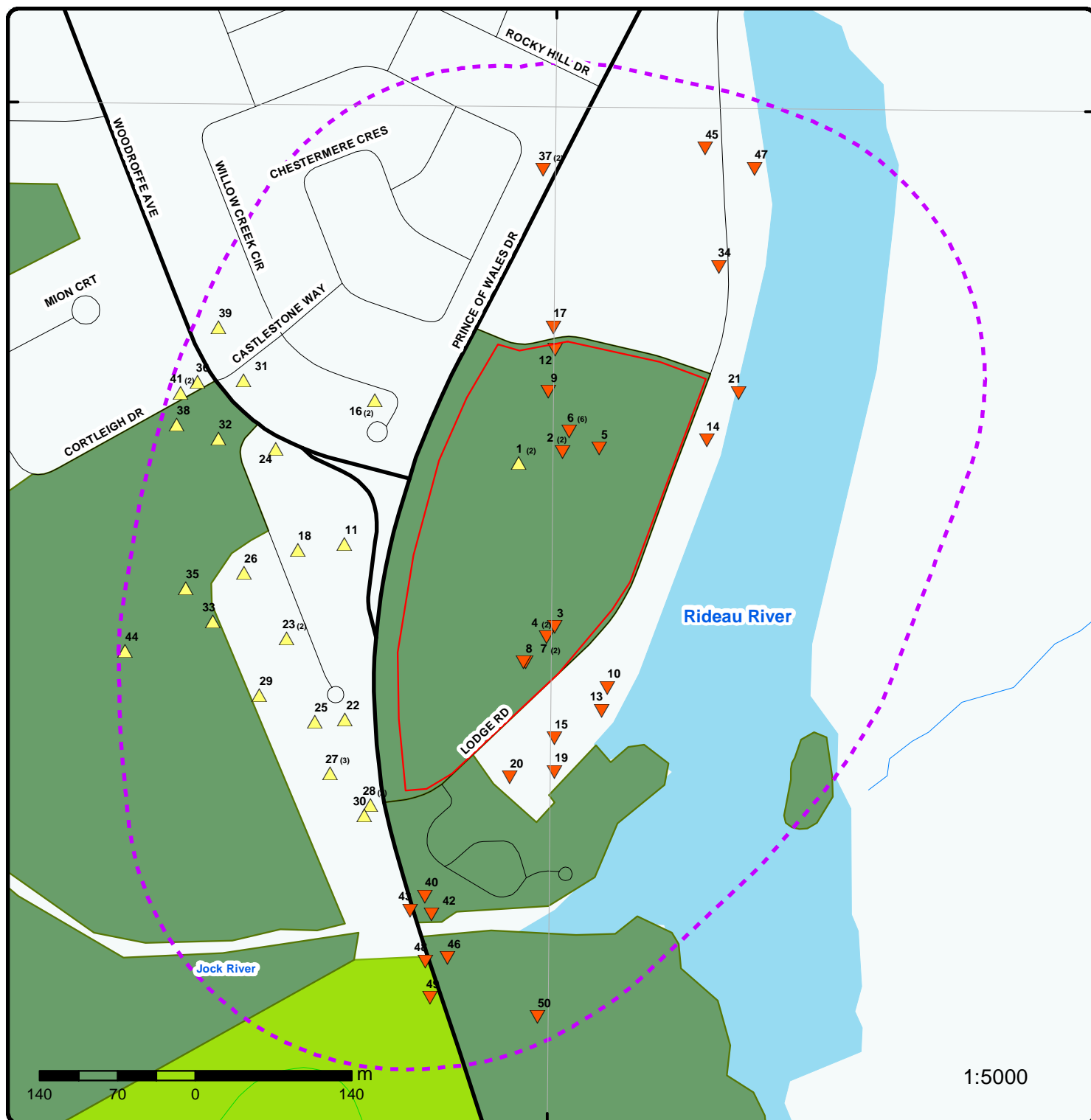
<i>DB</i>	<i>Map Key</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
WWIS	8		lot 10 con 1 ON	-/0.0	-1.26	33
WWIS	9		lot 11 con 1 ON	-/0.0	-0.55	33
WWIS	12		lot 11 con 1 OTTAWA ON	-/0.0	-1.52	34

Executive Summary: Site Report Summary - Surrounding Properties

<i>DB</i>	<i>Map Key</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
BORE	11		ON	W/62.9	2.48	14
BORE	16		ON	NW/74.1	2.48	15
BORE	16		ON	NW/74.1	2.48	16
BORE	18		ON	W/103.0	2.48	16
BORE	19		ON	S/62.0	-6.03	17
BORE	22		ON	SW/48.4	2.48	17
BORE	23		ON	WSW/100.0	3.10	18
BORE	26		ON	W/147.5	3.48	19
BORE	28		ON	SSW/34.2	0.46	19
BORE	31		ON	WNW/189.3	3.48	20
BORE	33		ON	WSW/167.8	4.48	20
BORE	37		ON	N/155.2	-0.61	21
BORE	38		ON	WNW/235.3	4.48	21
BORE	40		ON	SSW/95.8	-3.06	22
BORE	41		ON	WNW/239.2	4.48	23
BORE	42		ON	SSW/112.6	-4.28	23
BORE	43		ON	SSW/107.4	-3.02	24
BORE	44		ON	WSW/243.9	6.48	24
BORE	46		ON	S/152.7	-5.63	25
BORE	48		ON	SSW/154.0	-4.52	26
BORE	49		ON	SSW/187.0	-3.08	27

DB	Map Key	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
SPL	10	PRIVATE RESIDENCE	18 LODGE ROAD FURNACE OIL TANK	SSE/41.8	-7.12	30
WWIS	13		NEPEAN CITY ON K2C 3H1	SSE/51.0	-7.47	34
WWIS	14		lot 10 con 1 OTTAWA ON	ENE/20.0	-6.93	35
WWIS	15		lot 10 con 1 ON	S/40.1	-5.03	35
WWIS	17		lot 11 con 1 ON	N/14.8	-1.46	36
WWIS	20		lot 10 con 1 ON	S/38.4	-2.94	37
WWIS	21		lot 10 con 1 ON	NE/31.7	-8.47	37
WWIS	23		lot 10 con 2 ON	WSW/100.0	3.10	38
WWIS	24		lot 11 con 1 ON	WNW/144.2	3.48	38
WWIS	25		lot 10 con 2 ON	SW/75.4	2.48	39
WWIS	27		lot 10 con 2 ON	SW/65.8	2.48	39
WWIS	27		lot 10 con 2 ON	SW/65.8	2.48	40
WWIS	27		lot 10 con 2 ON	SW/65.8	2.48	41
WWIS	28		lot 10 con 2 ON	SSW/34.2	0.46	41
WWIS	29		lot 10 con 2 OTTAWA ON	WSW/124.6	3.48	42
WWIS	30		lot 10 con 2 NEPEAN ON	SSW/43.3	0.50	42
WWIS	32		lot 11 con 2 ON	WNW/195.8	4.48	43
WWIS	34		lot 11 con 1 MANOTICK ON	NE/98.2	-5.44	43
WWIS	35		lot 11 con 2 NEPEAN ON	W/196.8	5.48	44
WWIS	36		lot 11 con 2 ON	WNW/227.6	4.48	44
WWIS	37		lot 11 con 1 ON	N/155.2	-0.62	45
WWIS	39		lot 11 con 2 ON	NW/228.8	4.48	45
WWIS	41		lot 11 con 2 ON	WNW/239.2	4.48	46
WWIS	45		lot 11 con 1 OTTAWA ON	NNE/195.4	-4.93	46
WWIS	47		lot 11 con 1 OTTAWA ON	NNE/191.8	-7.75	47

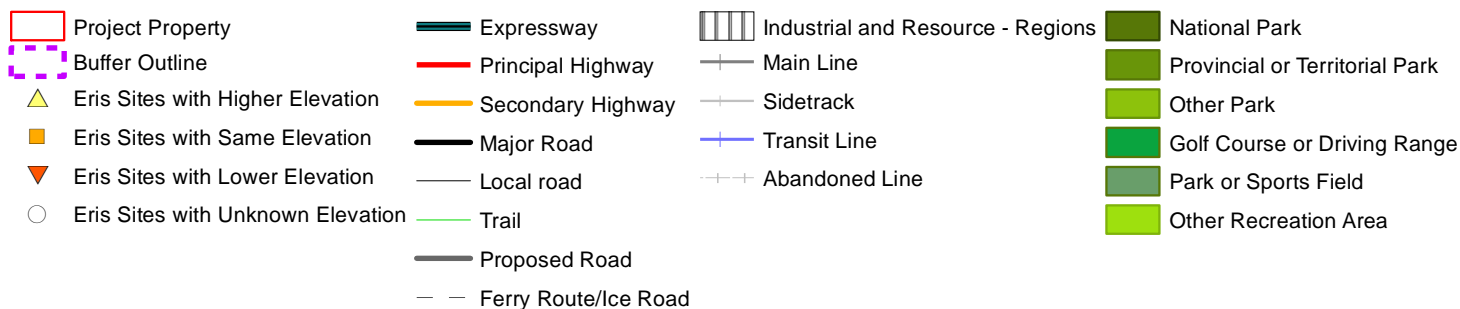
<i>DB</i>	<i>Map Key</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
WWIS	50		lot 9 con 2 ON	S/227.8	-5.09	47



Map

Order No: 20160525115

Address: 55 Lodge Rd, Ottawa, ON, K2C3H1





Aerial

Order No: 20160525115

Address: 55 Lodge Rd, Ottawa, ON, K2C3H1

Detail Report

DB	Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site
BORE	<u>4</u>	1 of 2	-/0.0	85.7	ON
Borehole ID:		806805	Type:		Borehole
Use:		Geotechnical/Geological Investigation	Status:		
Drill Method:		Hollow stem auger	UTM Zone:		18
Easting:		444423.49	Northing:		5012342.96
Location Accuracy:			Orig. Ground Elev m:		85
Elev. Reliability Note:			DEM Ground Elev m:		85.4
Total Depth m:		14.3	Primary Name:		BH 04-M3A
Township:			Concession:		
Lot:			Municipality:		
Completion Date:		19-FEB-2004	Static Water Level:		2.3
Primary Water Use:			Sec. Water Use:		
--- Details ---					
Stratum ID:		218590244	Top Depth(m):		0.0
Bottom Depth(m):		0.2	Stratum Desc:		Dark Brown Topsoil Silt - Sand
+					
Stratum ID:		218590245	Top Depth(m):		0.2
Bottom Depth(m):		4.9	Stratum Desc:		Grey-Brown Very Stiff Weathered Crust Silty Clay
+					
Stratum ID:		218590246	Top Depth(m):		4.9
Bottom Depth(m):		10.6	Stratum Desc:		Grey Stiff to Firm Silty Clay
+					
Stratum ID:		218590247	Top Depth(m):		10.6
Bottom Depth(m):		14.3	Stratum Desc:		Grey Compact to Dense Till sand silt With: Cob W Blds Trace: Gr

BORE	<u>4</u>	2 of 2	-/0.0	85.7	ON
Borehole ID:		806518	Type:		Borehole
Use:		Geotechnical/Geological Investigation	Status:		
Drill Method:		Hollow stem auger	UTM Zone:		18
Easting:		444423.49	Northing:		5012342.96
Location Accuracy:			Orig. Ground Elev m:		85.2
Elev. Reliability Note:			DEM Ground Elev m:		85.4
Total Depth m:		10.3	Primary Name:		BH 04-M3
Township:			Concession:		
Lot:			Municipality:		
Completion Date:		18-FEB-2004	Static Water Level:		1.7
Primary Water Use:			Sec. Water Use:		

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
--- Details ---					
Stratum ID:	218589204			Top Depth(m):	0.0
Bottom Depth(m):	0.2			Stratum Desc:	Dark Brown Topsoil Silt - Sand
+					
Stratum ID:	218589205			Top Depth(m):	0.2
Bottom Depth(m):	4.9			Stratum Desc:	Grey-Brown Very Stiff Weathered Crust Silty Clay
+					
Stratum ID:	218589206			Top Depth(m):	4.9
Bottom Depth(m):	10.3			Stratum Desc:	Grey Stiff to Firm Silty Clay

BORE	<u>5</u>	1 of 1	-/0.0	85.9	ON
Borehole ID:	612028			Type:	Borehole
Use:				Status:	
Drill Method:				UTM Zone:	18
Easting:	444471			Northing:	5012512
Location Accuracy:				Orig. Ground Elev m:	85.3
Elev. Reliability Note:				DEM Ground Elev m:	85.9
Total Depth m:	-999			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:				Static Water Level:	6.7
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218389855			Top Depth(m):	14.3
Bottom Depth(m):	20.4			Stratum Desc:	CLAY, GRAVEL. WATER STABLE AT 258.0 FEET.
+					
Stratum ID:	218389856			Top Depth(m):	20.4
Bottom Depth(m):	31.7			Stratum Desc:	CLAY, BOULDERS.
+					
Stratum ID:	218389857			Top Depth(m):	31.7
Bottom Depth(m):				Stratum Desc:	BEDROCK, LIMESTONE. 0223BEDROCK. SEISMIC VELOCITY = 17000. 200135076 BROWN, GREY, STI
+					
Stratum ID:	218389852			Top Depth(m):	0.0
Bottom Depth(m):	0.6			Stratum Desc:	CLAY.
+					
Stratum ID:	218389853			Top Depth(m):	0.6
Bottom Depth(m):	0.9			Stratum Desc:	BOULDERS.
+					
Stratum ID:	218389854			Top Depth(m):	0.9
Bottom Depth(m):	14.3			Stratum Desc:	CLAY.

BORE	<u>11</u>	1 of 1	W/62.9	90.0	ON
Borehole ID:	804413			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Other Method			UTM Zone:	18

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
Easting:	444242.51			Northing:	5012426.82
Location Accuracy:				Orig. Ground Elev m:	89.9
Elev. Reliability Note:				DEM Ground Elev m:	90.9
Total Depth m:	10.8			Primary Name:	TP 97-2
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	30-JUL-1997			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218580514			Top Depth(m):	0.0
Bottom Depth(m):	0.4			Stratum Desc:	Brown Fill-Misc Silty Clay With: Org M
+					
Stratum ID:	218580515			Top Depth(m):	0.4
Bottom Depth(m):	1.5			Stratum Desc:	Brown Weathered Crust Silty Clay
+					
Stratum ID:	218580516			Top Depth(m):	1.5
Bottom Depth(m):	3.5			Stratum Desc:	Grey-Brown Silty Clay
+					
Stratum ID:	218580517			Top Depth(m):	3.5
Bottom Depth(m):	7.0			Stratum Desc:	Grey-Brown Till Silt With: Sa W Gr W Cob W Blds
+					
Stratum ID:	218580518			Top Depth(m):	7.0
Bottom Depth(m):	10.8			Stratum Desc:	Grey Till clay silt With: Sa W Gr W Cob W Blds

BORE	16	1 of 2	NW/74.1	90.0	ON
Borehole ID:	806415			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Hollow stem auger			UTM Zone:	18
Easting:	444269.77			Northing:	5012555.29
Location Accuracy:				Orig. Ground Elev m:	89.9
Elev. Reliability Note:				DEM Ground Elev m:	90.2
Total Depth m:	11.9			Primary Name:	BH 04-2
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	23-FEB-2004			Static Water Level:	5.4
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218588822			Top Depth(m):	0.0
Bottom Depth(m):	0.2			Stratum Desc:	Brown Topsoil Silt - Sand
+					
Stratum ID:	218588823			Top Depth(m):	0.2
Bottom Depth(m):	4.7			Stratum Desc:	Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay
+					
Stratum ID:	218588824			Top Depth(m):	4.7
Bottom Depth(m):	8.2			Stratum Desc:	Grey-Brown Very Dense to Dense Till Silt - Sand With: Gr W Cob W Blds Trace: Cl

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
+					
Stratum ID:	218588825			Top Depth(m):	8.2
Bottom Depth(m):	11.9			Stratum Desc:	Grey Loose to Dense Till Silt - Sand With: Gr W Cob W Blds Trace: CI

BORE	16	2 of 2	NW/74.1	90.0	ON
Borehole ID:	806410			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Hollow stem auger			UTM Zone:	18
Easting:	444269.77			Northing:	5012555.29
Location Accuracy:				Orig. Ground Elev m:	91.5
Elev. Reliability Note:				DEM Ground Elev m:	90.2
Total Depth m:	12.4			Primary Name:	BH 04-1
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	02-APR-2004			Static Water Level:	7
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218588798			Top Depth(m):	0.0
Bottom Depth(m):	1.5			Stratum Desc:	Brown Fill-Misc Sand - Gravel With: Cob W Blds
+					
Stratum ID:	218588799			Top Depth(m):	1.5
Bottom Depth(m):	2.4			Stratum Desc:	Brown Loose Fill-Misc sand silt With: Gr W Cob W Blds Trace: CI
+					
Stratum ID:	218588800			Top Depth(m):	2.4
Bottom Depth(m):	4.9			Stratum Desc:	Grey-Brown Very Stiff Weathered Crust Silty Clay
+					
Stratum ID:	218588801			Top Depth(m):	4.9
Bottom Depth(m):	5.9			Stratum Desc:	Brown Very Stiff clay silt Trace: Gr
+					
Stratum ID:	218588802			Top Depth(m):	5.9
Bottom Depth(m):	8.5			Stratum Desc:	Grey-Brown Compact to Very Dense Till sand silt With: CI W Gr W Cob W Blds
+					
Stratum ID:	218588803			Top Depth(m):	8.5
Bottom Depth(m):	12.4			Stratum Desc:	Grey Loose to Compact Till sand silt With: CI W Gr W Cob W Blds

BORE	18	1 of 1	W/103.0	90.0	ON
Borehole ID:	806419			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Hollow stem auger			UTM Zone:	18
Easting:	444200.94			Northing:	5012421.09
Location Accuracy:				Orig. Ground Elev m:	90.3
Elev. Reliability				DEM Ground Elev	91

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
Note:				m:	
Total Depth m:	12.2			Primary Name:	BH 04-3
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	20-FEB-2004			Static Water Level:	.4
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218588837			Top Depth(m):	0.0
Bottom Depth(m):	0.3			Stratum Desc:	Topsoil
+					
Stratum ID:	218588838			Top Depth(m):	0.3
Bottom Depth(m):	2.6			Stratum Desc:	Grey-Brown Very Stiff Weathered Crust Silty Clay
+					
Stratum ID:	218588839			Top Depth(m):	2.6
Bottom Depth(m):	6.6			Stratum Desc:	Grey-Brown Loose to Compact Till Silt - Sand With: Gr W Cob W Blds Trace: Cl
+					
Stratum ID:	218588840			Top Depth(m):	6.6
Bottom Depth(m):	12.2			Stratum Desc:	Grey Loose to Compact Till Silt - Sand With: Gr W Cob W Blds Trace: Cl
BORE	19	1 of 1	S/62.0	81.5	ON
Borehole ID:	612018			Type:	Borehole
Use:				Status:	
Drill Method:				UTM Zone:	18
Easting:	444431			Northing:	5012222
Location Accuracy:				Orig. Ground Elev m:	85.3
Elev. Reliability				DEM Ground Elev m:	82.7
Note:				Primary Name:	
Total Depth m:	-999			Concession:	
Township:				Municipality:	
Lot:				Static Water Level:	6.7
Completion Date:				Sec. Water Use:	
Primary Water Use:					
--- Details ---					
Stratum ID:	218389823			Top Depth(m):	0.0
Bottom Depth(m):	12.2			Stratum Desc:	CLAY.
+					
Stratum ID:	218389824			Top Depth(m):	12.2
Bottom Depth(m):	18.6			Stratum Desc:	GRAVEL,BOULDERS. WATER STABLE AT 258.0 FEET.
+					
Stratum ID:	218389825			Top Depth(m):	18.6
Bottom Depth(m):				Stratum Desc:	BEDROCK,SANDSTONE. 00080CK. SEISMIC VELOCITY = 14500. BEDROCK. SEISMIC VELOCITY = 17000
BORE	22	1 of 1	SW/48.4	90.0	

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
ON					
Borehole ID:	806510			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Hollow stem auger			UTM Zone:	18
Easting:	444242.73			Northing:	5012268.83
Location Accuracy:				Orig. Ground Elev m:	89.1
Elev. Reliability Note:				DEM Ground Elev m:	90.3
Total Depth m:	9.8			Primary Name:	BH 04-M2
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	27-FEB-2004			Static Water Level:	6.4
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218589179			Top Depth(m):	0.0
Bottom Depth(m):	0.4			Stratum Desc:	Topsoil
+					
Stratum ID:	218589180			Top Depth(m):	0.4
Bottom Depth(m):	4.9			Stratum Desc:	Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay
+					
Stratum ID:	218589181			Top Depth(m):	4.9
Bottom Depth(m):	6.3			Stratum Desc:	Grey-Brown Compact to Dense Till Silt - Sand With: Gr W Cob W Blds Trace: Cl
+					
Stratum ID:	218589182			Top Depth(m):	6.3
Bottom Depth(m):	9.8			Stratum Desc:	Grey Compact to Dense Till Silt - Sand With: Gr W Cob W Blds Trace: Cl

BORE	23	1 of 2	WSW/100.0	90.6	ON
Borehole ID:	612020			Type:	Borehole
Use:				Status:	
Drill Method:				UTM Zone:	18
Easting:	444191			Northing:	5012342
Location Accuracy:				Orig. Ground Elev m:	89.9
Elev. Reliability Note:				DEM Ground Elev m:	90.8
Total Depth m:	41.1			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	JUL-1967			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
Stratum ID:	218389827			Top Depth(m):	7.3
Bottom Depth(m):	15.2			Stratum Desc:	SAND.
+					
Stratum ID:	218389828			Top Depth(m):	15.2
Bottom Depth(m):	22.9			Stratum Desc:	HARDPAN.
+					
Stratum ID:	218389829			Top Depth(m):	22.9

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
Bottom Depth(m):	41.1			Stratum Desc:	LIMESTONE. 00133ROCK,SANDSTONE. 00080CK. SEISMIC VELOCITY = 14500. BEDROCK. SEISMI
--- Details ---					
Stratum ID:	218389826			Top Depth(m):	0.0
Bottom Depth(m):	7.3			Stratum Desc:	CLAY,BOULDERS.
+					

BORE	<u>26</u>	1 of 1	W/147.5	91.0	ON
Borehole ID:	806425			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Hollow stem auger			UTM Zone:	18
Easting:	444152.39			Northing:	5012401
Location Accuracy:				Orig. Ground Elev m:	91.3
Elev. Reliability Note:				DEM Ground Elev m:	91.4
Total Depth m:	13.5			Primary Name:	BH 04-4
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	19-FEB-2004			Static Water Level:	7.2
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218588867			Top Depth(m):	0.0
Bottom Depth(m):	0.2			Stratum Desc:	Topsoil
+					
Stratum ID:	218588868			Top Depth(m):	0.2
Bottom Depth(m):	3.3			Stratum Desc:	Grey-Brown Very Stiff Weathered Crust Silty Clay
+					
Stratum ID:	218588869			Top Depth(m):	3.3
Bottom Depth(m):	6.8			Stratum Desc:	Grey-Brown Dense to Very Dense Till sand silt With: Gr W Cob W Blds Trace: Cl
+					
Stratum ID:	218588870			Top Depth(m):	6.8
Bottom Depth(m):	13.5			Stratum Desc:	Grey Compact to Very Dense Till sand silt With: Gr W Cob W Blds Trace: Cl

BORE	<u>28</u>	1 of 2	SSW/34.2	88.0	ON
Borehole ID:	612016			Type:	Borehole
Use:				Status:	
Drill Method:				UTM Zone:	18
Easting:	444266			Northing:	5012192
Location Accuracy:				Orig. Ground Elev m:	86.9
Elev. Reliability Note:				DEM Ground Elev m:	87.8
Total Depth m:	82			Primary Name:	
Township:				Concession:	

DB	Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site
Lot:				Municipality:	
Completion Date:		SEP-1957		Static Water Level:	-5.8
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:		218389819		Top Depth(m):	0.0
Bottom Depth(m):		22.9		Stratum Desc:	BOULDERS,SAND.
+					
Stratum ID:		218389820		Top Depth(m):	22.9
Bottom Depth(m):		82.0		Stratum Desc:	LIMESTONE. GREY. 00269304.0 FEET.TE,SAND. BLACK. 00080CK. SEISMIC VELOCITY = 14500.

BORE	<u>31</u>	1 of 1	WNW/189.3	91.0	ON
Borehole ID: 806573			Type: Borehole		
Use: Geotechnical/Geological Investigation			Status:		
Drill Method: Hollow stem auger			UTM Zone: 18		
Easting: 444151.83			Northing: 5012572.98		
Location Accuracy:			Orig. Ground Elev m: 91.6		
Elev. Reliability Note:			DEM Ground Elev m: 91.7		
Total Depth m: 9.8			Primary Name: BH 04-M9		
Township:			Concession:		
Lot:			Municipality:		
Completion Date: 01-APR-2004			Static Water Level: 5.8		
Primary Water Use:			Sec. Water Use:		
--- Details ---					
Stratum ID: 218589389			Top Depth(m): 0.0		
Bottom Depth(m): 0.3			Stratum Desc: Topsoil		
+					
Stratum ID: 218589390			Top Depth(m): 0.3		
Bottom Depth(m): 0.9			Stratum Desc: Grey-Brown Weathered Crust Silty Clay		
+					
Stratum ID: 218589391			Top Depth(m): 0.9		
Bottom Depth(m): 3.7			Stratum Desc: Brown Compact to Very Dense sand silt With: Gr W Cob W Blds Trace: Cl		
+					
Stratum ID: 218589392			Top Depth(m): 3.7		
Bottom Depth(m): 4.5			Stratum Desc: Light Brown Compact Silt - Sand		
+					
Stratum ID: 218589393			Top Depth(m): 4.5		
Bottom Depth(m): 5.3			Stratum Desc: Brown Compact Sand Trace: Si		
+					
Stratum ID: 218589394			Top Depth(m): 5.3		
Bottom Depth(m): 9.8			Stratum Desc: Brown Compact to Dense Silt - Sand		

BORE	<u>33</u>	1 of 1	WSW/167.8	92.0	ON
Borehole ID: 806504			Type: Borehole		
Use: Geotechnical/Geological Investigation			Status:		
Drill Method: Hollow stem auger			UTM Zone: 18		

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
Easting:	444124.48			Northing:	5012357.02
Location Accuracy:				Orig. Ground Elev m:	91.4
Elev. Reliability Note:				DEM Ground Elev m:	91.2
Total Depth m:	3.6			Primary Name:	BH 04-M1
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	19-FEB-2004			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218589155			Top Depth(m):	0.0
Bottom Depth(m):	0.4			Stratum Desc:	Brown Silt - Sand
+					
Stratum ID:	218589156			Top Depth(m):	0.4
Bottom Depth(m):	2.3			Stratum Desc:	Grey-Brown Very Stiff Weathered Crust Silty Clay With: Org M organic matter = some rootlets
+					
Stratum ID:	218589157			Top Depth(m):	2.3
Bottom Depth(m):	3.6			Stratum Desc:	Grey-Brown Very Dense Till Silt - Sand With: Gr W Cob W Blds
BORE	<u>37</u>	1 of 2	N/155.2	86.9	ON
Borehole ID:	612048			Type:	Borehole
Use:				Status:	
Drill Method:				UTM Zone:	18
Easting:	444421			Northing:	5012762
Location Accuracy:				Orig. Ground Elev m:	85.3
Elev. Reliability Note:				DEM Ground Elev m:	87.2
Total Depth m:	42.7			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	DEC-1955			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218389911			Top Depth(m):	7.6
Bottom Depth(m):	27.4			Stratum Desc:	SAND, GRAVEL.
+					
Stratum ID:	218389912			Top Depth(m):	27.4
Bottom Depth(m):	42.7			Stratum Desc:	UNSPECIFIED, UNSPECIFIED, UNSPECIFIED. 001350. BEDROCK. SEISMIC VELOCITY = 18500. BED
+					
Stratum ID:	218389910			Top Depth(m):	0.0
Bottom Depth(m):	7.6			Stratum Desc:	CLAY.
BORE	<u>38</u>	1 of 1	WNW/235.3	92.0	ON
Borehole ID:	806552			Type:	Borehole

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
Use:		Geotechnical/Geological Investigation		Status:	
Drill Method:		Hollow stem auger		UTM Zone:	18
Easting:		444092.14		Northing:	5012533.6
Location Accuracy:				Orig. Ground Elev m:	91.8
Elev. Reliability Note:				DEM Ground Elev m:	92.7
Total Depth m:	13.9			Primary Name:	BH 04-M6
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	24-FEB-2004			Static Water Level:	4.6
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218589325			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Brown Topsoil Silt - Sand
+					
Stratum ID:	218589326			Top Depth(m):	0.1
Bottom Depth(m):	2.5			Stratum Desc:	Grey-Brown Silt - Sand With: Gr Trace: Cl
+					
Stratum ID:	218589327			Top Depth(m):	2.5
Bottom Depth(m):	7.0			Stratum Desc:	Grey-Brown Compact Till sand silt With: Cob Trace: Cl Tr Gr
+					
Stratum ID:	218589328			Top Depth(m):	7.0
Bottom Depth(m):	13.9			Stratum Desc:	Grey Compact to Dense Till sand silt With: Cob Trace: Cl Tr Gr

BORE	40	1 of 1	SSW/95.8	84.5	ON
Borehole ID:	848074			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	Decommissioned
Drill Method:	Diamond Drill			UTM Zone:	18
Easting:	444315			Northing:	5012110
Location Accuracy:				Orig. Ground Elev m:	85.1
Elev. Reliability Note:				DEM Ground Elev m:	84.6
Total Depth m:	19.3			Primary Name:	
Township:	NEPEAN			Concession:	CON 1
Lot:	LOT 10			Municipality:	
Completion Date:	06-MAY-1959			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	6559850			Top Depth(m):	14.5
Bottom Depth(m):	16.7			Stratum Desc:	GREY DENSE FAINTLY LAYERED FINE SAND WITH MEDIUM SAND AND ODD TRACE OF SILT
+					
Stratum ID:	6559851			Top Depth(m):	16.7
Bottom Depth(m):	17.7			Stratum Desc:	VERY DENSE FINE TO COARSE ANGULAR GRAVEL AND BOULDERS
+					
Stratum ID:	6559852			Top Depth(m):	17.7

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
Bottom Depth(m):	19.3			Stratum Desc:	GREY DOLOMITIC LIMESTONE
+					
Stratum ID:	6559848			Top Depth(m):	0.0
Bottom Depth(m):	5.4			Stratum Desc:	BROWN TO GREY-BROWN, LOOSE TO MEDIUM DENSE GRAVEL- SAND-SILT-CLAY FILL WITH ODD TRACE OF ORGANIC
+					
Stratum ID:	6559849			Top Depth(m):	5.4
Bottom Depth(m):	14.5			Stratum Desc:	LIGHT GREY, MEDIUM DENSE TO DENSE FINE TO MEDIUM SAND WITH FINE TO COARSE ANGULAR TO SUB-ANGULAR GRAVEL AND BOULDERS; WITH AN APPRECIABLE AMOUNT OF LIMESTONE ROCK-FLOUR.

BORE	<u>41</u>	1 of 2	WNW/239.2	92.0	ON
Borehole ID:	612034			Type:	Borehole
Use:				Status:	
Drill Method:				UTM Zone:	18
Easting:	444096			Northing:	5012562
Location Accuracy:				Orig. Ground Elev m:	91.4
Elev. Reliability Note:				DEM Ground Elev m:	93.2
Total Depth m:	22.9			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	APR-1953			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218389871			Top Depth(m):	0.0
Bottom Depth(m):	6.1			Stratum Desc:	BOULDERS,CLAY.
+					
Stratum ID:	218389872			Top Depth(m):	6.1
Bottom Depth(m):	13.1			Stratum Desc:	CLAY. BLUE.
+					
Stratum ID:	218389873			Top Depth(m):	13.1
Bottom Depth(m):	22.9			Stratum Desc:	LIMESTONE. BLUE. 00070.0 FEET.NE. GREY. 0006400122LIMESTONE. 0223BEDROCK. S

BORE	<u>42</u>	1 of 1	SSW/112.6	83.2	ON
Borehole ID:	848077			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	Decommissioned
Drill Method:	Hollow stem auger			UTM Zone:	18
Easting:	444320			Northing:	5012094
Location Accuracy:				Orig. Ground Elev m:	25.3
Elev. Reliability Note:				DEM Ground Elev m:	81.3

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
Total Depth m:	5.9			Primary Name:	
Township:	NEPEAN			Concession:	CON 1
Lot:	LOT 10			Municipality:	
Completion Date:	27-JAN-1978			Static Water Level:	.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	6559864			Top Depth(m):	0.0
Bottom Depth(m):	1.4			Stratum Desc:	SAND, SOME GRAVEL, FILL, COBBLES, SAND WITH CLAYEY SILT, SOME GRAVEL
+					
Stratum ID:	6559865			Top Depth(m):	1.4
Bottom Depth(m):	4.6			Stratum Desc:	GRAVELLY SAND TO SANDY GRAVEL, SOME SILT, TRACE OF CLAY, VERY LOOSE TO LOOSE TO COMPACT TO DENSE
+					
Stratum ID:	6559866			Top Depth(m):	4.6
Bottom Depth(m):	5.9			Stratum Desc:	SOUND LIMESTONE BEDROCK

BORE	<u>43</u>	1 of 1	SSW/107.4	84.5	ON
Borehole ID:	848078			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	Decommissioned
Drill Method:	Hollow stem auger			UTM Zone:	18
Easting:	444301			Northing:	5012098
Location Accuracy:				Orig. Ground Elev m:	26
Elev. Reliability Note:				DEM Ground Elev m:	82.9
Total Depth m:	5.2			Primary Name:	
Township:	NEPEAN			Concession:	
Lot:	ROAD			Municipality:	
Completion Date:	01-FEB-1978			Static Water Level:	1
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	6559867			Top Depth(m):	0.0
Bottom Depth(m):	1.8			Stratum Desc:	FILL, OCCASIONAL COBBLES
+					
Stratum ID:	6559868			Top Depth(m):	1.8
Bottom Depth(m):	5.2			Stratum Desc:	GRAVELLY SAND TO SANDY GRAVEL, SOME SILT, TRACE OF CLAY

BORE	<u>44</u>	1 of 1	WSW/243.9	94.0	ON
Borehole ID:	806428			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Hollow stem auger			UTM Zone:	18
Easting:	444046			Northing:	5012330.98
Location Accuracy:				Orig. Ground Elev m:	95.1
Elev. Reliability Note:				DEM Ground Elev m:	94.2

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
Total Depth m:		23.4		Primary Name:	BH 04-5
Township:				Concession:	
Lot:				Municipality:	
Completion Date:		27-FEB-2004		Static Water Level:	11.6
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:		218588878		Top Depth(m):	0.0
Bottom Depth(m):		0.2		Stratum Desc:	Red-Brown Silt - Sand
+					
Stratum ID:		218588879		Top Depth(m):	0.2
Bottom Depth(m):		8.1		Stratum Desc:	Light Brown to Brown Compact to Very Dense Silt - Sand With: Gr W Cob W Blds
+					
Stratum ID:		218588880		Top Depth(m):	8.1
Bottom Depth(m):		10.5		Stratum Desc:	Light Brown Very Dense Sand
+					
Stratum ID:		218588881		Top Depth(m):	10.5
Bottom Depth(m):		12.3		Stratum Desc:	Brown Very Dense Silt - Sand With: Cob Trace: Gr
+					
Stratum ID:		218588882		Top Depth(m):	12.3
Bottom Depth(m):		13.7		Stratum Desc:	Brown Very Dense Sand Trace: Si
+					
Stratum ID:		218588883		Top Depth(m):	13.7
Bottom Depth(m):		14.6		Stratum Desc:	Brown Compact Silt - Sand
+					
Stratum ID:		218588884		Top Depth(m):	14.6
Bottom Depth(m):		15.0		Stratum Desc:	Brown Very Dense Silt - Sand Trace: Gr
+					
Stratum ID:		218588885		Top Depth(m):	15.0
Bottom Depth(m):		16.1		Stratum Desc:	Brown Very Dense Sand With: Gr
+					
Stratum ID:		218588886		Top Depth(m):	16.1
Bottom Depth(m):		16.8		Stratum Desc:	Grey-Brown Very Dense Till Silt - Sand With: Gr W Cob W Blds Trace: Cl
+					
Stratum ID:		218588887		Top Depth(m):	16.8
Bottom Depth(m):		20.2		Stratum Desc:	Grey Very Dense Till Silt - Sand With: Gr W Cob W Blds Trace: Cl
+					
Stratum ID:		218588888		Top Depth(m):	20.2
Bottom Depth(m):		23.4		Stratum Desc:	Grey Bedrock Dolomitic Limestone
BORE	46	1 of 1	S/152.7	81.9	ON
Borehole ID:		848079		Type:	Borehole
Use:		Geotechnical/Geological Investigation		Status:	Decommissioned
Drill Method:		Hollow stem auger		UTM Zone:	18
Easting:		444335		Northing:	5012055
Location Accuracy:				Orig. Ground Elev m:	25.3
Elev. Reliability Note:				DEM Ground Elev m:	82.3

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
Total Depth m:	4.2			Primary Name:	
Township:	NEPEAN			Concession:	CON 1
Lot:	LOT 10			Municipality:	
Completion Date:	31-JAN-1978			Static Water Level:	1.2
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	6559869			Top Depth(m):	0.0
Bottom Depth(m):	1.7			Stratum Desc:	FILL COBBLES
+					
Stratum ID:	6559870			Top Depth(m):	1.7
Bottom Depth(m):	4.2			Stratum Desc:	GRAVELLY SAND TO SANDY GRAVEL, SOME SILT, TRACE CLAY

BORE	48	1 of 1	SSW/154.0	83.0	ON
Borehole ID:	848076			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	Decommissioned
Drill Method:	Hollow stem auger			UTM Zone:	18
Easting:	444315			Northing:	5012052
Location Accuracy:				Orig. Ground Elev m:	25.1
Elev. Reliability Note:				DEM Ground Elev m:	82.2
Total Depth m:	5.3			Primary Name:	
Township:	NEPEAN			Concession:	
Lot:	ROAD			Municipality:	
Completion Date:	25-JAN-1978			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	6559857			Top Depth(m):	0.0
Bottom Depth(m):	0.4			Stratum Desc:	SAND WITH GRAVEL, SOME SILT
+					
Stratum ID:	6559858			Top Depth(m):	0.4
Bottom Depth(m):	0.7			Stratum Desc:	GRAVEL, SAND, SOME COBBLES
+					
Stratum ID:	6559859			Top Depth(m):	0.7
Bottom Depth(m):	1.0			Stratum Desc:	SAND UNIFORM
+					
Stratum ID:	6559860			Top Depth(m):	1.0
Bottom Depth(m):	1.2			Stratum Desc:	SAND WITH CLAYEY SILT, TRACE ORG.
+					
Stratum ID:	6559861			Top Depth(m):	1.2
Bottom Depth(m):	3.1			Stratum Desc:	GRAVELLY SAND TO SANDY GRAVEL, SOME SILT, TRACE OF CLAY, VERY LOOSE TO LOSE
+					
Stratum ID:	6559862			Top Depth(m):	3.1
Bottom Depth(m):	4.1			Stratum Desc:	GRAVELLY SAND TO SANDY GRAVEL, SOME SILT, TRACE OF CLAY, COMPACT TO VERY DENSE
+					
Stratum ID:	6559863			Top Depth(m):	4.1
Bottom Depth(m):	5.3			Stratum Desc:	SOUND LIMESTONE BEDROCK

DB	Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site
BORE	49	1 of 1	SSW/187.0	84.4	ON
Borehole ID:		848075	Type:		Borehole
Use:		Geotechnical/Geological Investigation	Status:		Decommissioned
Drill Method:		Diamond Drill	UTM Zone:		18
Easting:		444319	Northing:		5012019
Location Accuracy:			Orig. Ground Elev m:		82.7
Elev. Reliability Note:			DEM Ground Elev m:		84.3
Total Depth m:		15.1	Primary Name:		
Township:		NEPEAN	Concession:		CON 2
Lot:		LOT 10	Municipality:		
Completion Date:		06-MAY-1959	Static Water Level:		-999.9
Primary Water Use:			Sec. Water Use:		
Stratum ID:		6559854	Top Depth(m):		1.8
Bottom Depth(m):		10.7	Stratum Desc:		LIGHT GREY, LOOSE TO VERY DENSE (DENSITY INCREASING WITH DEPTH) FINE TO MEDIUM SAND WITH FINE TO COARSE ANGULAR TO SUB-ANGULAR GRAVEL AND BOULDERS; WITH AN APPRECIABLE AMOUNT OF LIMESTONE ROCK-FLOUR
+					
Stratum ID:		6559855	Top Depth(m):		10.7
Bottom Depth(m):		12.6	Stratum Desc:		GREY DENSE FINE SAND
+					
Stratum ID:		6559856	Top Depth(m):		12.6
Bottom Depth(m):		15.1	Stratum Desc:		GREY FISSURED DOLOMITIC LIMESTONE WITH THIN SEAMS OF WHITE SANDSTONE
--- Details ---					
Stratum ID:		6559853	Top Depth(m):		0.0
Bottom Depth(m):		1.8	Stratum Desc:		GRAVEL-SAND-SILT FILL
+					
CA	6	1 of 6	-/0.0	86.0	Carleton Lodge Well Supply 55 Lodge Road Ottawa ON K2C 3H1
Certificate #:		9304-549NPT			
Application Year:		02			
Issue Date:		1/2/02			
Approval Type:		Municipal & Private water			
Status:		Approved			
Application Type:		New Certificate of Approval			
Client Name:		City of Ottawa			
Client Address:		110 Laurier Avenue West			
Client City:		City of Ottawa			
Client Postal Code:		K1P 1J1			
Project Description:		a water well supply system (2 wells) rated for 851 m3/day with water treatment and storage works generally consisting of disinfection using sodium hypochlorite, a 340 m3 underground storage reservoir, two domestic water supply pumps, two water softeners and two fire pumps. the water system provides water for the residents and staff of the carleton lodge long term care facility.			

28 erisinfo.com | EcoLog ERIS Ltd. Order No: 20160525115
OPS - South Campus Project 55 Lodge Rd Ottawa ON K2C3H1

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
Waste Code: 263 Waste Description: Misc. waste organic chemicals + Waste Code: 112 Waste Description: Acid solutions - containing heavy metals + Waste Code: 251 Waste Description: Waste oils/sludges (petroleum based) + Waste Code: 331 Waste Description: Waste compressed gases including cylinders					
GEN	<u>6</u>	4 of 6	-/0.0	86.0	City of Ottawa 55 Lodge Rd. Ottawa ON K2C 3H1
Generator #: ON5372150 Approval Yrs: 2009 SIC Code: 913910 SIC Description: Other Local Municipal and Regional Public Administration --- Details --- Waste Code: 221 Waste Description: LIGHT FUELS					
GEN	<u>6</u>	5 of 6	-/0.0	86.0	City of Ottawa 55 Lodge Rd. Ottawa ON K2C 3H1
Generator #: ON5372150 Approval Yrs: 07,08 SIC Code: 913910 SIC Description: Other Local Municipal and Regional Public Administration --- Details --- Waste Code: 221 Waste Description: LIGHT FUELS					
GEN	<u>6</u>	6 of 6	-/0.0	86.0	City of Ottawa 55 Lodge Road Nepean ON K2C 3H1
Generator #: ON8055685 Approval Yrs: 02,03,04,05,06 SIC Code: SIC Description: --- Details --- Waste Code: 121 Waste Description: ALKALINE WASTES - HEAVY METALS + Waste Code: 252 Waste Description: WASTE OILS & LUBRICANTS + Waste Code: 122 Waste Description: ALKALINE WASTES - OTHER METALS +					

SPL	<u>10</u>	1 of 1	SSE/41.8	80.4	PRIVATE RESIDENCE 18 LODGE ROAD FURNACE OIL TANK NEPEAN CITY ON K2C 3H1
Ref NO:	96170				
Contaminant Code:					
Contaminant Name:					
Contaminant Quantity:					
Incident Cause:	UNDERGROUND TANK LEAK				
Incident Dt:	2/2/1994				
Incident Reason:	CORROSION				
Incident Summary:	PRIVATE RESIDENCE-600-700LITRES FURNACE OIL TO GROUND FROM U/G TANK.				
MOE Reported Dt:	2/8/1994				
Environmental Impact:	POSSIBLE				
Nature of Impact:	Soil contamination				
Receiving Medium:	LAND				
SAC Action Class:					
Sector Source Type:					
Site Municipality:	20104				

WWIS	<u>1</u>	2 of 2	-/0.0	88.0	lot 10 con 1 OTTAWA ON
Well ID:	1536491			Lot:	010
Concession:	01			Concession Name:	RF
County:	OTTAWA-CARLETON			Municipality:	
Easting Nad83:				Northing Nad83:	

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
Zone:				Utm Reliability:	unknown UTM
Primary Water Use:				Construction Date:	06-FEB-06
Sec. 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:				k:	
				Casing Material:	

WWIS	<u>3</u>	1 of 1	-/0.0	85.8	lot 10 con 1 ON
Well ID:	1504663			Lot:	010
Concession:	01			Concession Name:	RF
County:	OTTAWA-CARLETON			Municipality:	NEPEAN TOWNSHIP
Easting Nad83:	444430.7			Northing Nad83:	5012352
Zone:	18			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Public			Construction Date:	31-AUG-58
Sec. Water Use:				Well Depth:	298 ft
Pump Rate:	68 GPM			Static Water Level:	8 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	85.44			Elevation Reliability:	
Depth to Bedrock:	104			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			k:	
				Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:	2 ft			Original Depth:	2 ft
Material Colour:	GREY			Material:	CLAY
+					
Thickness:	1 ft			Original Depth:	3 ft
Material Colour:				Material:	BOULDERS
+					
Thickness:	44 ft			Original Depth:	47 ft
Material Colour:	GREY			Material:	CLAY
+					
Thickness:	57 ft			Original Depth:	104 ft
Material Colour:				Material:	CLAY, BOULDERS
+					
Thickness:	92 ft			Original Depth:	196 ft
Material Colour:	GREY			Material:	LIMESTONE
+					
Thickness:	102 ft			Original Depth:	298 ft
Material Colour:				Material:	SANDSTONE

WWIS	<u>7</u>	1 of 2	-/0.0	86.2	lot 10 con 1 ON
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<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
Well ID:	1522201			Lot:	010
Concession:	01			Concession Name:	RF
County:	OTTAWA-CARLETON			Municipality:	NEPEAN TOWNSHIP
Easting Nad83:	444404.7			Northing Nad83:	5012320
Zone:	18			Utm Reliability:	unknown UTM
Primary Water Use:	Not Used			Construction Date:	26-OCT-87
Sec. Water Use:				Well Depth:	110 ft
Pump Rate:	10 GPM			Static Water Level:	2 ft
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Test Hole
Construction Method:	Rotary (Convent.)			Flowing (y/n):	N
Elevation (m):	86.08			Elevation Reliability:	
Depth to Bedrock:	6			Overburden/Bedrock:	Mixed in a Layer
Water Type:	FRESH			Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:	6 ft			Original Depth:	6 ft
Material Colour:	BROWN			Material:	CLAY, SILT
+					
Thickness:	22 ft			Original Depth:	28 ft
Material Colour:	GREY			Material:	CLAY, SILT, SANDSTONE
+					
Thickness:	13 ft			Original Depth:	41 ft
Material Colour:	GREY			Material:	SAND, SILT, CLAY
+					
Thickness:	17 ft			Original Depth:	58 ft
Material Colour:	GREY			Material:	SAND, SILT, STONES
+					
Thickness:	52 ft			Original Depth:	110 ft
Material Colour:	GREY			Material:	LIMESTONE, FRACTURED, LIMESTONE

WWIS	7	2 of 2	-/0.0	86.2	lot 10 con 1 ON
Well ID:	1522199			Lot:	010
Concession:	01			Concession Name:	RF
County:	OTTAWA-CARLETON			Municipality:	NEPEAN TOWNSHIP
Easting Nad83:	444404.7			Northing Nad83:	5012320
Zone:	18			Utm Reliability:	unknown UTM
Primary Water Use:	Municipal			Construction Date:	04-DEC-87
Sec. Water Use:				Well Depth:	63 ft
Pump Rate:	50 GPM			Static Water Level:	9 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Test Hole
Construction Method:	Rotary (Convent.)			Flowing (y/n):	N
Elevation (m):	86.08			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:	FRESH			Casing Material:	FRESH, MINERIAL
--- Details ---					

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
Thickness:	48 ft			Original Depth:	48 ft
Material Colour:	GREY			Material:	CLAY, BOULDERS, PACKED
+					
Thickness:	15 ft			Original Depth:	63 ft
Material Colour:	GREY			Material:	STONES, GRAVEL, SILT

WWIS	<u>8</u>	1 of 1	-/0.0	86.3	lot 10 con 1 ON
Well ID:	1530599			Lot:	010
Concession:	01			Concession Name:	
County:	OTTAWA-CARLETON			Municipality:	NEPEAN TOWNSHIP
Easting Nad83:	444402.7			Northing Nad83:	5012320
Zone:	18			Utm Reliability:	unknown UTM
Primary Water Use:	Domestic			Construction Date:	02-JUN-99
Sec. Water Use:				Well Depth:	82 ft
Pump Rate:	50 GPM			Static Water Level:	13 ft
Flow Rate:				Clear/Cloudy:	CLOUDY
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Rotary (Air)			Flowing (y/n):	N
Elevation (m):	86.15			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:	Not stated			Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:	4 ft			Original Depth:	4 ft
Material Colour:	BROWN			Material:	TOPSOIL, SANDY, STONES
+					
Thickness:	11 ft			Original Depth:	15 ft
Material Colour:	BROWN			Material:	CLAY, PACKED
+					
Thickness:	50 ft			Original Depth:	65 ft
Material Colour:	GREY			Material:	CLAY, STICKY
+					
Thickness:	15 ft			Original Depth:	80 ft
Material Colour:	GREY			Material:	SAND, GRAVEL, BOULDERS
+					
Thickness:	2 ft			Original Depth:	82 ft
Material Colour:	GREY			Material:	GRAVEL, PACKED

WWIS	<u>9</u>	1 of 1	-/0.0	87.0	lot 11 con 1 ON
Well ID:	1536511			Lot:	011
Concession:	01			Concession Name:	RF
County:	OTTAWA-CARLETON			Municipality:	
Easting Nad83:	444425.3			Northing Nad83:	5012563
Zone:	18			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	06-FEB-06
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Other
Construction				Flowing (y/n):	

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
Method:					
Elevation (m):	87.61			Elevation	
Depth to Bedrock:				Reliability:	
Water Type:				Overburden/Bedrock:	No formation data
				Casing Material:	
WWIS	12	1 of 1	-/0.0	86.0	lot 11 con 1 OTTAWA ON
Well ID:	1536517			Lot:	011
Concession:	01			Concession Name:	RF
County:	OTTAWA-CARLETON			Municipality:	
Easting Nad83:	444431.3			Northing Nad83:	5012601
Zone:	18			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	06-FEB-06
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Other
Construction				Flowing (y/n):	
Method:				Elevation	
Elevation (m):	87.11			Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	No formation data
Water Type:				Casing Material:	
WWIS	13	1 of 1	SSE/51.0	80.0	lot 10 con 1 OTTAWA ON
Well ID:	7163245			Lot:	010
Concession:	01			Concession Name:	RF
County:	OTTAWA-CARLETON			Municipality:	NEPEAN TOWNSHIP
Easting Nad83:	444473			Northing Nad83:	5012277
Zone:	18			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Domestic			Construction Date:	01-MAR-11
Sec. Water Use:				Well Depth:	500 ft
Pump Rate:	15 GPM			Static Water Level:	7.58 ft
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Water Supply
Construction	Air Percussion			Flowing (y/n):	
Method:				Elevation	
Elevation (m):				Reliability:	
Depth to Bedrock:				Overburden/Bedrock	
Water Type:	Untested			Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:	35 ft			Original Depth:	35 ft
Material Colour:	GREY			Material:	CLAY
+				Original Depth:	66 ft
Thickness:	31 ft			Material:	SAND, GRAVEL, BOULDERS
Material Colour:					

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
+					
Thickness:	122 ft			Original Depth:	188 ft
Material Colour:	GREY			Material:	LIMESTONE
+					
Thickness:	140 ft			Original Depth:	328 ft
Material Colour:	GREY			Material:	SANDSTONE
+					
Thickness:	172 ft			Original Depth:	500 ft
Material Colour:	GREEN			Material:	GRANITE
<hr/>					
WWIS	14	1 of 1	ENE/20.0	80.6	lot 10 con 1 OTTAWA ON
Well ID:	1536500			Lot:	010
Concession:	01			Concession Name:	RF
County:	OTTAWA-CARLETON			Municipality:	
Easting Nad83:	444567.2			Northing Nad83:	5012519
Zone:	18			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	06-FEB-06
Sec. 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):	80.8			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	No formation data
Water Type:				k:	
				Casing Material:	
<hr/>					
WWIS	15	1 of 1	S/40.1	82.5	lot 10 con 1 ON
Well ID:	1504662			Lot:	010
Concession:	01			Concession Name:	RF
County:	OTTAWA-CARLETON			Municipality:	NEPEAN TOWNSHIP
Easting Nad83:	444430.7			Northing Nad83:	5012252
Zone:	18			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	28-MAY-58
Sec. Water Use:				Well Depth:	190 ft
Pump Rate:	6 GPM			Static Water Level:	8 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Diamond			Flowing (y/n):	N
Elevation (m):	83.4			Elevation Reliability:	
Depth to Bedrock:	61			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			k:	
				Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:	40 ft			Original Depth:	40 ft
Material Colour:				Material:	CLAY
+					

DB	Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site
Thickness:	21 ft			Original Depth:	61 ft
Material Colour:				Material:	BOULDERS, GRAVEL
+					
Thickness:	129 ft			Original Depth:	190 ft
Material Colour:				Material:	SANDSTONE

WWIS	17	1 of 1	N/14.8	86.1	lot 11 con 1 ON
Well ID:	1516589			Lot:	011
Concession:	01			Concession Name:	RF
County:	OTTAWA-CARLETON			Municipality:	NEPEAN TOWNSHIP
Easting Nad83:	444429.7			Northing Nad83:	5012621
Zone:	18			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Commerical			Construction Date:	20-MAR-78
Sec. Water Use:				Well Depth:	380 ft
Pump Rate:	15 GPM			Static Water Level:	12 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Rotary (Air)			Flowing (y/n):	N
Elevation (m):	87.15			Elevation Reliability:	
Depth to Bedrock:	102			Overburden/Bedrock:	Bedrock
Water Type:	FRESH, Not stated			Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:	1 ft			Original Depth:	1 ft
Material Colour:	BROWN			Material:	TOPSOIL, LOOSE, PACKED
+					
Thickness:	5 ft			Original Depth:	6 ft
Material Colour:	BROWN			Material:	FINE SAND, PACKED
+					
Thickness:	21 ft			Original Depth:	27 ft
Material Colour:	GREY			Material:	CLAY, HARD, PACKED
+					
Thickness:	7 ft			Original Depth:	34 ft
Material Colour:	GREY			Material:	CLAY, COARSE SAND, PACKED
+					
Thickness:	68 ft			Original Depth:	102 ft
Material Colour:	GREY			Material:	SAND, BOULDERS, GRAVEL
+					
Thickness:	98 ft			Original Depth:	200 ft
Material Colour:				Material:	LIMESTONE, SANDSTONE, LAYERED
+					
Thickness:	85 ft			Original Depth:	285 ft
Material Colour:				Material:	SANDSTONE, HARD
+					
Thickness:	1 ft			Original Depth:	286 ft
Material Colour:				Material:	SANDSTONE, SOFT
+					
Thickness:	54 ft			Original Depth:	340 ft
Material Colour:				Material:	SANDSTONE, HARD
+					
Thickness:	40 ft			Original Depth:	380 ft
Material Colour:				Material:	GRANITE

DB	Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site
WWIS	<u>20</u>	1 of 1	S/38.4	84.6	lot 10 con 1 ON
Well ID:	1513522			Lot:	010
Concession:	01			Concession Name:	RF
County:	OTTAWA-CARLETON			Municipality:	NEPEAN TOWNSHIP
Easting Nad83:	444390.7			Northing Nad83:	5012217
Zone:	18			Utm Reliability:	margin of error : 300 m - 1 km
Primary Water Use:	Domestic			Construction Date:	31-OCT-73
Sec. Water Use:				Well Depth:	50 ft
Pump Rate:	0 GPM			Static Water Level:	12 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Rotary (Air)			Flowing (y/n):	N
Elevation (m):	84.93			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:	FRESH			Casing Material:	FRESH
--- Details ---					
Thickness:	10 ft			Original Depth:	10 ft
Material Colour:	GREY			Material:	CLAY
+					
Thickness:	28 ft			Original Depth:	38 ft
Material Colour:	GREY			Material:	CLAY, BOULDERS
+					
Thickness:	12 ft			Original Depth:	50 ft
Material Colour:	GREY			Material:	GRAVEL, BOULDERS
WWIS	<u>21</u>	1 of 1	NE/31.7	79.1	lot 10 con 1 ON
Well ID:	1504664			Lot:	010
Concession:	01			Concession Name:	RF
County:	OTTAWA-CARLETON			Municipality:	NEPEAN TOWNSHIP
Easting Nad83:	444595.7			Northing Nad83:	5012562
Zone:	18			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	20-AUG-64
Sec. Water Use:				Well Depth:	175 ft
Pump Rate:	5 GPM			Static Water Level:	7 ft
Flow Rate:				Clear/Cloudy:	CLOUDY
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	78.82			Elevation Reliability:	
Depth to Bedrock:	58			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:	58 ft			Original Depth:	58 ft
Material Colour:				Material:	CLAY, BOULDERS
+					

DB	Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site
Thickness: Material Colour:	117 ft			Original Depth: Material:	175 ft LIMESTONE
WWIS	23	2 of 2	WSW/100.0	90.6	lot 10 con 2 ON
Well ID: Concession: County: Easting Nad83: Zone: Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m):	1505936 02 OTTAWA-CARLETON 444190.7 18 Domestic 10 GPM Cable Tool 90.85			Lot: Concession Name: Municipality: Northing Nad83: Utm Reliability: Construction Date: Well Depth: Static Water Level: Clear/Cloudy: Final Well Status: Flowing (y/n):	010 RF NEPEAN TOWNSHIP 5012342 margin of error : 100 m - 300 m 19-JUL-67 135 ft 34 ft CLOUDY Water Supply N
Depth to Bedrock: Water Type:	75 FRESH			Elevation Reliability: Overburden/Bedrock: Casing Material:	Bedrock FRESH, MINERIAL
--- Details ---					
Thickness: Material Colour: +	24 ft			Original Depth: Material:	24 ft CLAY, BOULDERS
Thickness: Material Colour: +	26 ft			Original Depth: Material:	50 ft MEDIUM SAND
Thickness: Material Colour: +	25 ft			Original Depth: Material:	75 ft HARDPAN
Thickness: Material Colour:	60 ft			Original Depth: Material:	135 ft LIMESTONE
WWIS	24	1 of 1	WNW/144.2	91.0	lot 11 con 1 ON
Well ID: Concession: County: Easting Nad83: Zone: Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m):	1504665 01 OTTAWA-CARLETON 444180.7 18 Domestic 2 GPM Cable Tool 92.18			Lot: Concession Name: Municipality: Northing Nad83: Utm Reliability: Construction Date: Well Depth: Static Water Level: Clear/Cloudy: Final Well Status: Flowing (y/n):	011 RF NEPEAN TOWNSHIP 5012512 unknown UTM 26-JUN-52 78 ft 25 ft CLEAR Water Supply N
Depth to Bedrock: Water Type:	 FRESH			Elevation Reliability: Overburden/Bedrock: Casing Material:	 Overburden FRESH

DB	Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site
--- Details ---					
Thickness:	46 ft			Original Depth:	46 ft
Material Colour:				Material:	CLAY
+					
Thickness:	14 ft			Original Depth:	60 ft
Material Colour:				Material:	MEDIUM SAND
+					
Thickness:	18 ft			Original Depth:	78 ft
Material Colour:				Material:	GRAVEL

WWIS	25	1 of 1	SW/75.4	90.0	lot 10 con 2 ON
Well ID:	1512146			Lot:	010
Concession:	02			Concession Name:	RF
County:	OTTAWA-CARLETON			Municipality:	NEPEAN TOWNSHIP
Easting Nad83:	444215.7			Northing Nad83:	5012267
Zone:	18			Utm Reliability:	margin of error : 300 m - 1 km
Primary Water Use:	Domestic			Construction Date:	17-OCT-72
Sec. Water Use:				Well Depth:	260 ft
Pump Rate:	8 GPM			Static Water Level:	
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	90.05			Elevation Reliability:	
Depth to Bedrock:	74			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	FRESH
--- Details ---					
Thickness:	55 ft			Original Depth:	55 ft
Material Colour:	GREY			Material:	HARDPAN, BOULDERS
+					
Thickness:	19 ft			Original Depth:	74 ft
Material Colour:	GREY			Material:	SAND, GRAVEL, BOULDERS
+					
Thickness:	52 ft			Original Depth:	126 ft
Material Colour:	GREY			Material:	LIMESTONE
+					
Thickness:	71 ft			Original Depth:	197 ft
Material Colour:	GREY			Material:	SANDSTONE
+					
Thickness:	63 ft			Original Depth:	260 ft
Material Colour:	WHITE			Material:	SANDSTONE

WWIS	27	1 of 3	SW/65.8	90.0	lot 10 con 2 ON
Well ID:	1515365			Lot:	010
Concession:	02			Concession Name:	RF
County:	OTTAWA-CARLETON			Municipality:	NEPEAN TOWNSHIP
Easting Nad83:	444229.7			Northing Nad83:	5012221
Zone:	18			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Domestic			Construction Date:	07-MAY-76

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
Sec. Water Use:				Well Depth:	273 ft
Pump Rate:	10 GPM			Static Water Level:	20 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Air Percussion			Flowing (y/n):	N
Elevation (m):	88.98			Elevation	
Depth to Bedrock:	71			Reliability:	
Water Type:	FRESH			Overburden/Bedrock:	Bedrock
				k:	
				Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:	2 ft			Original Depth:	2 ft
Material Colour:	BROWN			Material:	SAND
+					
Thickness:	10 ft			Original Depth:	12 ft
Material Colour:	GREY			Material:	CLAY
+					
Thickness:	48 ft			Original Depth:	60 ft
Material Colour:	GREY			Material:	HARDPAN, BOULDERS, PACKED
+					
Thickness:	11 ft			Original Depth:	71 ft
Material Colour:	GREY			Material:	SAND, BOULDERS, PACKED
+					
Thickness:	114 ft			Original Depth:	185 ft
Material Colour:	GREY			Material:	LIMESTONE
+					
Thickness:	10 ft			Original Depth:	195 ft
Material Colour:	GREY			Material:	SANDSTONE
+					
Thickness:	78 ft			Original Depth:	273 ft
Material Colour:	WHITE			Material:	SANDSTONE

WWIS	<u>27</u>	2 of 3	SW/65.8	90.0	lot 10 con 2 ON
Well ID:	1519100			Lot:	010
Concession:	02			Concession Name:	RF
County:	OTTAWA-CARLETON			Municipality:	NEPEAN TOWNSHIP
Easting Nad83:	444229.7			Northing Nad83:	5012221
Zone:	18			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Domestic			Construction Date:	13-JUN-84
Sec. Water Use:				Well Depth:	225 ft
Pump Rate:	5 GPM			Static Water Level:	20 ft
Flow Rate:				Clear/Cloudy:	CLOUDY
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Air Percussion			Flowing (y/n):	N
Method:				Elevation	
Elevation (m):	88.98			Reliability:	
Depth to Bedrock:	68			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			k:	
				Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:	16 ft			Original Depth:	16 ft
Material Colour:	GREY			Material:	CLAY, STONES

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
+					
Thickness:	52 ft			Original Depth:	68 ft
Material Colour:	GREY			Material:	HARDPAN, STONES
+					
Thickness:	97 ft			Original Depth:	165 ft
Material Colour:	GREY			Material:	LIMESTONE
+					
Thickness:	60 ft			Original Depth:	225 ft
Material Colour:	WHITE			Material:	SANDSTONE

WWIS	<u>27</u>	3 of 3	SW/65.8	90.0	lot 10 con 2 ON
Well ID:	1517095			Lot:	010
Concession:	02			Concession Name:	RF
County:	OTTAWA-CARLETON			Municipality:	NEPEAN TOWNSHIP
Easting Nad83:	444229.7			Northing Nad83:	5012221
Zone:	18			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Domestic			Construction Date:	07-JUL-79
Sec. Water Use:				Well Depth:	223 ft
Pump Rate:				Static Water Level:	30 ft
Flow Rate:				Clear/Cloudy:	CLOUDY
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Air Percussion			Flowing (y/n):	N
Elevation (m):	88.98			Elevation Reliability:	
Depth to Bedrock:	76			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	FRESH
--- Details ---					
Thickness:	60 ft			Original Depth:	60 ft
Material Colour:	GREY			Material:	CLAY, HARDPAN, STONES
+					
Thickness:	16 ft			Original Depth:	76 ft
Material Colour:	GREY			Material:	SAND, STONES
+					
Thickness:	124 ft			Original Depth:	200 ft
Material Colour:	GREY			Material:	LIMESTONE
+					
Thickness:	23 ft			Original Depth:	223 ft
Material Colour:	WHITE			Material:	SANDSTONE

WWIS	<u>28</u>	2 of 2	SSW/34.2	88.0	lot 10 con 2 ON
Well ID:	1505934			Lot:	010
Concession:	02			Concession Name:	RF
County:	OTTAWA-CARLETON			Municipality:	NEPEAN TOWNSHIP
Easting Nad83:	444265.7			Northing Nad83:	5012192
Zone:	18			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	21-SEP-57
Sec. Water Use:				Well Depth:	269 ft
Pump Rate:	4 GPM			Static Water Level:	17 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply

DB	Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site
Construction Method:	Diamond			Flowing (y/n):	N
Elevation (m):	87.82			Elevation	
Depth to Bedrock:	75			Reliability:	
Water Type:	FRESH			Overburden/Bedrock:	Bedrock
				Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:	75 ft			Original Depth:	75 ft
Material Colour:				Material:	BOULDERS, MEDIUM SAND
+ Thickness:	194 ft			Original Depth:	269 ft
Material Colour:	GREY			Material:	LIMESTONE

WWIS	29	1 of 1	WSW/124.6	91.0	lot 10 con 2 OTTAWA ON
Well ID:	7163229			Lot:	010
Concession:	02			Concession Name:	RF
County:	OTTAWA-CARLETON			Municipality:	NEPEAN TOWNSHIP
Easting Nad83:	444166			Northing Nad83:	5012291
Zone:	18			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	03-MAR-11
Sec. Water Use:				Well Depth:	ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Other
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation	
Depth to Bedrock:				Reliability:	
Water Type:				Overburden/Bedrock:	
				k:	
				Casing Material:	
--- Details ---					
Thickness:	ft			Original Depth:	ft
Material Colour:				Material:	

WWIS	30	1 of 1	SSW/43.3	88.0	lot 10 con 2 NEPEAN ON
Well ID:	7112994			Lot:	010
Concession:	02			Concession Name:	
County:	OTTAWA-CARLETON			Municipality:	NEPEAN TOWNSHIP
Easting Nad83:	444260			Northing Nad83:	5012183
Zone:	18			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	18-SEP-08
Sec. Water Use:				Well Depth:	m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Other
Construction Method:				Flowing (y/n):	
Elevation (m):	87.28			Elevation	
				Reliability:	

DB	Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site
Depth to Bedrock:				Overburden/Bedrock	
Water Type:				Casing Material:	
--- Details ---					
Thickness:		m		Original Depth:	m
Material Colour:				Material:	
WWIS	32	1 of 1	WNW/195.8	92.0	lot 11 con 2 ON
Well ID:	1519500			Lot:	011
Concession:	02			Concession Name:	RF
County:	OTTAWA-CARLETON			Municipality:	NEPEAN TOWNSHIP
Easting Nad83:	444129.7			Northing Nad83:	5012521
Zone:	18			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Domestic			Construction Date:	29-JUN-84
Sec. Water Use:				Well Depth:	120 ft
Pump Rate:	18 GPM			Static Water Level:	30 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Rotary (Convent.)			Flowing (y/n):	N
Elevation (m):	92.66			Elevation Reliability:	
Depth to Bedrock:	45			Overburden/Bedrock	Bedrock
Water Type:	FRESH			Casing Material:	FRESH
--- Details ---					
Thickness:		45 ft		Original Depth:	45 ft
Material Colour:				Material:	CLAY, STONES, BOULDERS
+					
Thickness:		75 ft		Original Depth:	120 ft
Material Colour:		GREY		Material:	LIMESTONE
WWIS	34	1 of 1	NE/98.2	82.1	lot 11 con 1 MANOTICK ON
Well ID:	7125887			Lot:	011
Concession:	01			Concession Name:	RF
County:	OTTAWA-CARLETON			Municipality:	NEPEAN TOWNSHIP
Easting Nad83:	444578			Northing Nad83:	5012684
Zone:	18			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Test Hole			Construction Date:	24-JUN-09
Sec. Water Use:	Not Used			Well Depth:	7.6 m
Pump Rate:				Static Water Level:	2 m
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Test Hole
Construction Method:	Other Method			Flowing (y/n):	
Elevation (m):	83.88			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock	
Water Type:	FRESH			Casing Material:	Not stated

DB	Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site
--- Details ---					
Thickness:	.75 m			Original Depth:	.75 m
Material Colour:	BROWN			Material:	SAND, CLAY
+					
Thickness:	.75 m			Original Depth:	1.5 m
Material Colour:	BLUE			Material:	SAND, CLAY, LAYERED
+					
Thickness:	6.1 m			Original Depth:	7.6 m
Material Colour:	GREY			Material:	CLAY, SILT
WWIS	<u>35</u>	1 of 1	W/196.8	93.0	lot 11 con 2 NEPEAN ON
Well ID:	1534663			Lot:	011
Concession:	02			Concession Name:	
County:	OTTAWA-CARLETON			Municipality:	NEPEAN TOWNSHIP
Easting Nad83:	444100			Northing Nad83:	5012387
Zone:	18			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Not Used			Construction Date:	23-MAR-04
Sec. Water Use:				Well Depth:	15.2 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Test Hole
Construction Method:	Air Percussion			Flowing (y/n):	
Elevation (m):	91.93			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:	Not stated			Casing Material:	FRESH, Not stated
--- Details ---					
Thickness:	1.8 m			Original Depth:	1.8 m
Material Colour:				Material:	CLAY
+					
Thickness:	13.4 m			Original Depth:	15.2 m
Material Colour:				Material:	SAND, FILL
WWIS	<u>36</u>	1 of 1	WNW/227.6	92.0	lot 11 con 2 ON
Well ID:	1505956			Lot:	011
Concession:	02			Concession Name:	RF
County:	OTTAWA-CARLETON			Municipality:	NEPEAN TOWNSHIP
Easting Nad83:	444110.7			Northing Nad83:	5012572
Zone:	18			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date:	12-AUG-65
Sec. Water Use:				Well Depth:	110 ft
Pump Rate:	8 GPM			Static Water Level:	40 ft
Flow Rate:				Clear/Cloudy:	CLOUDY
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	93.02			Elevation Reliability:	
Depth to Bedrock:	59			Overburden/Bedrock:	Bedrock

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
Water Type:	FRESH			Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:	59 ft			Original Depth:	59 ft
Material Colour:				Material:	HARDPAN, BOULDERS
+					
Thickness:	51 ft			Original Depth:	110 ft
Material Colour:				Material:	LIMESTONE
WWIS	<u>37</u>	2 of 2	N/155.2	86.9	lot 11 con 1 ON
Well ID:	1505930			Lot:	011
Concession:	01			Concession Name:	RF
County:	OTTAWA-CARLETON			Municipality:	NEPEAN TOWNSHIP
Easting Nad83:	444420.7			Northing Nad83:	5012762
Zone:	18			Utm Reliability:	unknown UTM
Primary Water Use:	Domestic			Construction Date:	01-DEC-55
Sec. Water Use:				Well Depth:	140 ft
Pump Rate:	7 GPM			Static Water Level:	21 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	87.17			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Unknown type in the lower layers(s)
Water Type:	FRESH			Casing Material:	FRESH
--- Details ---					
Thickness:	25 ft			Original Depth:	25 ft
Material Colour:				Material:	CLAY
+					
Thickness:	65 ft			Original Depth:	90 ft
Material Colour:				Material:	MEDIUM SAND, GRAVEL
+					
Thickness:	50 ft			Original Depth:	140 ft
Material Colour:				Material:	UNKNOWN TYPE, UNKNOWN TYPE, UNKNOWN TYPE
WWIS	<u>39</u>	1 of 1	NW/228.8	92.0	lot 11 con 2 ON
Well ID:	1517697			Lot:	011
Concession:	02			Concession Name:	RF
County:	OTTAWA-CARLETON			Municipality:	NEPEAN TOWNSHIP
Easting Nad83:	444129.7			Northing Nad83:	5012621
Zone:	18			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Domestic			Construction Date:	29-SEP-81
Sec. Water Use:				Well Depth:	54 ft
Pump Rate:	18 GPM			Static Water Level:	11 ft
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	91.88			Elevation	

DB	Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site
Depth to Bedrock:	42			Reliability:	Bedrock
Water Type:	FRESH			Overburden/Bedrock:	
---				Casing Material:	FRESH
Thickness:	6 ft			Original Depth:	6 ft
Material Colour:	BROWN			Material:	TOPSOIL, SANDY
+					
Thickness:	31 ft			Original Depth:	37 ft
Material Colour:	GREY			Material:	HARDPAN, BOULDERS
+					
Thickness:	5 ft			Original Depth:	42 ft
Material Colour:	GREY			Material:	SAND, GRAVEL
+					
Thickness:	12 ft			Original Depth:	54 ft
Material Colour:	GREY			Material:	LIMESTONE, STONES
WWIS	41	2 of 2	WNW/239.2	92.0	lot 11 con 2 ON
Well ID:	1505938			Lot:	011
Concession:	02			Concession Name:	RF
County:	OTTAWA-CARLETON			Municipality:	NEPEAN TOWNSHIP
Easting Nad83:	444095.7			Northing Nad83:	5012562
Zone:	18			Utm Reliability:	unknown UTM
Primary Water Use:	Domestic			Construction Date:	04-APR-53
Sec. Water Use:				Well Depth:	75 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):	93.2			Elevation Reliability:	
Depth to Bedrock:	43			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	FRESH, MINERIAL

Thickness:	20 ft			Original Depth:	20 ft
Material Colour:				Material:	BOULDERS, CLAY
+					
Thickness:	23 ft			Original Depth:	43 ft
Material Colour:	BLUE			Material:	CLAY
+					
Thickness:	32 ft			Original Depth:	75 ft
Material Colour:	BLUE			Material:	LIMESTONE
WWIS	45	1 of 1	NNE/195.4	82.6	lot 11 con 1 OTTAWA ON
Well ID:	1536516			Lot:	011
Concession:	01			Concession Name:	RF
County:	OTTAWA-CARLETON			Municipality:	
Easting Nad83:	444565.9			Northing Nad83:	5012781
Zone:	18			Utm Reliability:	margin of error : 10 - 30 m

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m): 83.84 Depth to Bedrock: Water Type:				Construction Date: 06-FEB-06 Well Depth: Static Water Level: Clear/Cloudy: Final Well Status: Abandoned-Other Flowing (y/n): Elevation Reliability: Overburden/Bedrock k: No formation data Casing Material:	
WWIS	<u>47</u>	1 of 1	NNE/191.8	79.8	lot 11 con 1 OTTAWA ON
Well ID: 1536515 Concession: 01 County: OTTAWA-CARLETON Easting Nad83: 444609.9 Zone: 18 Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m): 81.24 Depth to Bedrock: Water Type:				Lot: 011 Concession Name: RF Municipality: Northing Nad83: 5012763 Utm Reliability: margin of error : 10 - 30 m Construction Date: 06-FEB-06 Well Depth: Static Water Level: Clear/Cloudy: Final Well Status: Abandoned-Other Flowing (y/n): Elevation Reliability: Overburden/Bedrock k: No formation data Casing Material:	
WWIS	<u>50</u>	1 of 1	S/227.8	82.4	lot 9 con 2 ON
Well ID: 1504656 Concession: 02 County: OTTAWA-CARLETON Easting Nad83: 444415.7 Zone: 18 Primary Water Use: Domestic Sec. Water Use: Pump Rate: 3 GPM Flow Rate: Specific Capacity: Construction Method: Cable Tool Elevation (m): 84.81 Depth to Bedrock: 62 Water Type: FRESH				Lot: 009 Concession Name: RF Municipality: NEPEAN TOWNSHIP Northing Nad83: 5012002 Utm Reliability: margin of error : 100 m - 300 m Construction Date: 13-DEC-56 Well Depth: 108 ft Static Water Level: 28 ft Clear/Cloudy: CLEAR Final Well Status: Water Supply Flowing (y/n): N Elevation Reliability: Overburden/Bedrock k: Bedrock Casing Material: FRESH, MINERIAL	

<i>DB</i>	<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>
--- Details ---					
Thickness:	55 ft			Original Depth:	55 ft
Material Colour:				Material:	CLAY
+					
Thickness:	7 ft			Original Depth:	62 ft
Material Colour:				Material:	GRAVEL
+					
Thickness:	46 ft			Original Depth:	108 ft
Material Colour:				Material:	LIMESTONE

Unplottable Summary

Total: 166 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	City of Ottawa		Ottawa ON	
CA	City of Ottawa		Ottawa ON	
CA	City of Ottawa		Ottawa ON	
CA	City of Ottawa		Ottawa ON	
CA	City of Ottawa		Ottawa ON	
CA	City of Ottawa		Ottawa ON	
CA	City of Ottawa		Ottawa ON	
CA	City of Ottawa		Ottawa ON	
CA	City of Ottawa	Between Woodroffe Avenue to Barnstone Dr	Ottawa ON	
CA	City of Ottawa	PIN 04693-1004	Ottawa ON	
CA	City of Ottawa	Between Woodroffe Avenue to Barnstone. Prince of Wales Drive (from Strandherd Dr	Ottawa ON	
CA		Block 9, Part of Block 8, City of Ottawa, Registered Plan 4M-997	Ottawa ON	
CA	City of Ottawa	Lots 10-11, Concession 2, Twp of Nepean	Ottawa ON	
CA	City of Ottawa	Mobile Facility	Ottawa ON	
CA	City of Ottawa	Mobile Facility	Ottawa ON	
CA	City of Ottawa	Mobile Facility	Ottawa ON	

CA	City of Ottawa	National Capital Commission Land	Ottawa ON
CA	City of Ottawa		Ottawa ON
CA	City of Ottawa		Ottawa ON
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CA	City of Ottawa		Ottawa ON
CA	City of Ottawa		Ottawa ON
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CA	City of Ottawa		Ottawa ON
CA	City of Ottawa		Ottawa ON
CA	City of Ottawa		Ottawa ON
CA	City of Ottawa	Part from Rideau River	Ottawa ON
CA	City of Ottawa	Plan 4R-16934, Part 3 of Block 301 (easement), Registered Plan 4M-1084	Ottawa ON
CA	City of Ottawa	Preston-Brown's Inlet Drainage Area	Ottawa ON
CA	City of Ottawa	Twp. of Nepean	Ottawa ON
CA	R.M. OF OTTAWA-CARLETON	PRINCE OF WALES DR.	OTTAWA CITY ON
CA	R.M. OF OTTAWA-CARLETON	PRINCE OF WALES DR.	OTTAWA CITY ON
CA	OTTAWA CITY	PRINCE OF WALES DR.	OTTAWA CITY ON
CA		Lot 20, Conc. 1 (Rideau Front), City of Gloucester	Ottawa ON
CA	R.M. OF OTTAWA-CARLETON CARLETON LODGE	P.S. & FORCEMAIN	NEPEAN CITY ON

CA	Stonebridge Subdivision	Part of Lot 10, Concession 2	Ottawa ON
CA	Stonebridge Subdivision	Part of Lot 10, Concession 2	Ottawa ON
CA	Monarch Construction Limited	Part of Lot 10, Concession 2	Ottawa ON
CA	Urbandale Corporation	Part of Lot 20, Concession 1	Ottawa ON
CA	Urbandale Corporation	Part of Lot 20, Concession 1	Ottawa ON
CA	HOMES FOR THE AGED MR. GARRY ARMSTRONG	CARLETON LODGE P.S.	NEPEAN CITY ON
CA	R.M. OF OTTAWA- CARLETON	CON.3/LT 12/13; CON.2/LT 9-12	GLOUCESTER CITY ON
CA	MONARCH CONSTRUCTION LIMITED	LOT 11/C-2, JOCKVALE SWM FAC.	NEPEAN CITY ON
CA		Lot 10 and 11, Concession 2	Ottawa ON
CA	Monarch Corporation	Lot 10, Conc. 2 (Rideau Front)	Ottawa ON
CA		Lot 10, Lot 11, Conc. 2, Stonebridge Subd.	Ottawa ON
CA		Lot 10, Lot 11, Conc. 2, Stonebridge Subd.	Ottawa ON
CA		Lot 11 Concession 2 R.F.	Nepean ON
CA	Landsdown Developments Limited	Lot 11 and Prt Lot 10, Reg. Plan No. 2545	Ottawa ON
CA	Monarch Corporation	Lot 11, Conc. 2 (Rideau Front)	Ottawa ON
CA		Lot 20, Conc. 1 (Rideau Front), City of Gloucester	Ottawa ON
CA		Lot 20, Conc. 1 (Rideau Front), City of Gloucester	Ottawa ON
CA		Lot 20, Conc. 1 (Rideau Front), City of Gloucester	Ottawa ON
CA	River Road and Shoreline Drive	River Road and part of lots 19 and 20	Gloucester ON
CA		River Road and part of lots 19 and 20 River Road and Shoreline Drive	Gloucester ON
CA	R.M. OF OTTAWA- CARLETON	WOODROFFE AVE. S.W.M. FACILITY	NEPEAN CITY ON

CA	City of Ottawa	Woodroffe Avenue	Ottawa ON	
CONV	The City of Ottawa		Ottawa ON	
CONV	City of Ottawa		Ottawa ON	
CONV	City of Ottawa		Ottawa ON	
CONV	City of Ottawa		Ottawa ON	
EBR	City of Ottawa		Ottawa ON	
EBR	City of Ottawa		OTTAWA ON	
EBR	City of Ottawa		OTTAWA ON	
ECA	City of Ottawa		City of Ottawa ON	
ECA	City of Ottawa	Lot MTO ROW next to Lot 11 to 15, Concession 2	Ottawa ON	
ECA	City of Ottawa	Lot MTO ROW next to Lot 11 to 15, Concession 2	City of Ottawa, Ontario. ON	
ECA	City of Ottawa	Prince of Wales Drive	City of Ottawa ON	
ECA	City of Ottawa		City of Ottawa ON	
ECA	City of Ottawa		City of Ottawa ON	
ECA	City of Ottawa		Ottawa ON	
ECA	City of Ottawa	Ottawa	ON	
EHS		Woodroffe Ave (West Hunt Club Rd to CN Rail Line)	Ottawa ON	
EXP	JACK MAY PONTIAC BUICK LTD	LOT 9 CON 2	NEPEAN ON	
GEN	RIDEAU CANAL	NORTHERN AREA OFFICE, 11/2 MI N REG RD 8 W OF RIVER RD, LONG ISLAND LOCK, PO BOX 400	MANOTICK ON	K0A 2N0
GEN	Dalcon	Central Experimental Farm, Prince of Whales Drive	Ottawa ON	K1M 0M3
GEN	ENVIRONMENT CANADA, PARKS DEPT.	1 1/2 ML. N. OF R.R. & 8 ML. W. RIVER RD P.U.B. 400, LONG ISLAND LOCK	MANOTICK ON	K0A 2N0
GEN	RIDEAU CANAL	1 1/2 ML. N. OF REGIONAL RD & 8 M.	MANOTICK ON	K0A 2N0

WEST RIVER ROAD-P.U.B. 400, LONG
ISLAND LOCK

GEN	PUBLIC WORKS CANADA	CHP, Central Experimental Farm, Prince Of Wales Dr	Ottawa ON	K1A 0M3
GEN	RIDEAU CANAL 33-433	NORTHERN AREA OFFICE, 11/2 MI N REG RD 8 W OF RIVER RD, LONG ISLANDLOCK, POBOX 400	MANOTICK ON	K0A 2N0
GEN	GVT. OF CAN. - ENVIRONMENT CANADA	RIVER RD. ENVIRONMENTAL TECHNOLOGY CTR. C/O 140 PROMENADE DU PORTAGE, PHASE IV	OTTAWA ON	K1A 0M3
GEN	CITY OF OTTAWA	LOT 10, CONSESSION 2	OTTAWA ON	K1P 1J1
GEN	National Capital Commission	River Road North	Ottawa ON	
LIMO	The Corporation of the Regional Municipality of Ottawa-Carleton	City of Ottawa	ON	
NATE	CITY OF OTTAWA		OTTAWA ON	
NCPL	City of Ottawa - Stonebridge Stormwater	Lot 11, Conc 2 Rideau Front	Ottawa ON	
NEES	CITY OF OTTAWA		OTTAWA ON	
NPCB	ENVIRONMENT CANADA	RIVER ROAD LABS 3439 RIVER ROAD	OTTAWA ON	K1A 0H3
NPCB	ONTARIO HYDRO	WOODROFFE T.S.; RP 341791, BLOCK B	OTTAWA ON	
PRT	JACK MAY PONTIAC BUICK LTD	LOT 9 CON 2	NEPEAN ON	
SPL	FINES FLOUR	RIVER RD. GLOUCESTER GLOUCESTER PLANT RIVER ROAD	GLOUCESTER CITY ON	
SPL	City of Ottawa	Hackett Storm Water Pond<UNOFFICIAL>	Ottawa ON	
SPL	City of Ottawa	MSM	Ottawa ON	
SPL	City of Ottawa	North bound	Ottawa ON	
SPL	City of Ottawa		Ottawa ON	
SPL	City of Ottawa		Ottawa ON	
SPL	City of Ottawa		Ottawa ON	
SPL	City of Ottawa		Ottawa ON	

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SPL	City of Ottawa		Ottawa ON
SPL	City of Ottawa		Ottawa ON
SPL	City of Ottawa		GLOUCESTER ON
SPL	City of Ottawa	Transitway	Ottawa ON
SPL	City of Ottawa	Transitway (Bus Route) East Bound at Booth<UNOFFICIAL>	Ottawa ON
SPL	KENT FUELS	RR #2 LODGE RD TANK TRUCK (CARGO)	NEPEAN CITY ON
SPL	Veolia ES Canada Industrial Services Inc.	East shoulder of Prince of Wales Drive	Ottawa ON
SPL	Ultramar Ltd.	Prince of Wales Drive, near Dow's Lake traffic circle NEAR DOW'S LAKE TRAFFIC CIRCLE<UNOFFICIAL>	Ottawa ON
SPL	City of Ottawa	Former City of Nepean	Ottawa ON
SPL		Woodroffe Avenue and West Hunt Club<UNOFFICIAL>	Ottawa ON
WDS	City of Ottawa		Ottawa ON
WWIS		lot 9	ON
WWIS		lot 9	ON
WWIS		lot 10	ON
WWIS		lot 10	ON
WWIS		lot 10	ON
WWIS		lot 10	ON

WWIS	lot 10	ON
WWIS	lot 10	ON
WWIS	lot 11	ON
WWIS	lot 11	ON
WWIS	lot 11 con 1	ON
WWIS	lot 20	ON
WWIS	lot 20	ON
WWIS	lot 20	ON
WWIS	lot 20	ON
WWIS	lot 20	ON
WWIS	lot 20	ON
WWIS	lot 20	ON
WWIS	lot 21	ON
WWIS	lot 9	ON
WWIS	lot 21	ON
WWIS	lot 21 con 1	ON
WWIS	lot 9	ON
WWIS	lot 9	ON
WWIS	lot 9	ON
WWIS	lot 9	ON

Unplottable Report

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 7056-7U7KYH
Application Year: 2009
Issue Date: 9/2/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 6338-6EVJJ8
Application Year: 2005
Issue Date: 8/3/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 5813-874JFK
Application Year: 2010
Issue Date: 7/13/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:

Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 5190-7L6RRY
Application Year: 2008
Issue Date: 11/26/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 4960-5KERFE
Application Year: 2003
Issue Date: 3/12/2003
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 4319-5JJKCF
Application Year: 2003
Issue Date: 2/10/2003
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:

Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 4291-7WLHAJ
Application Year: 2009
Issue Date: 10/20/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 4194-87ASJD
Application Year: 2010
Issue Date: 7/21/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 4094-6ZAQHT
Application Year: 2007
Issue Date: 4/4/2007
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Between Woodroffe Avenue to Barnstone Dr Ottawa ON

Certificate #: 4964-7YRLF9
Application Year: 2010
Issue Date: 3/22/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
PIN 04693-1004 Ottawa ON

Certificate #: 4580-7F9QYW
Application Year: 2008
Issue Date: 6/13/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Between Woodroffe Avenue to Barnstone. Prince of Wales Drive (from
Strandherd Dr Ottawa ON

Certificate #: 0435-84CHUP
Application Year: 2010
Issue Date: 4/9/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA

Site:

Block 9, Part of Block 8, City of Ottawa, Registered Plan 4M-997 Ottawa ON

Certificate #: 3765-4LRNPY
Application Year: 00
Issue Date: 6/30/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Conroy Road Developments Inc.
Client Address: 210 Gladstone Avenue, Suite 2001
Client City: Ottawa
Client Postal Code: K2P 0Y6
Project Description: Construction of watermains and appurtenances on Allanford Avenue, Ballymore Avenue, and Bondar Way.
Contaminants:
Emission Control:

Database: CA

Site: City of Ottawa

Lots 10-11, Concession 2, Twp of Nepean Ottawa ON

Certificate #: 3807-63BQWR
Application Year: 2004
Issue Date: 7/29/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA

Site: City of Ottawa

Mobile Facility Ottawa ON

Certificate #: 1554-7APRX9
Application Year: 2008
Issue Date: 2/3/2008
Approval Type: Air
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Mobile Facility Ottawa ON

Certificate #: 7522-7W6PR3
Application Year: 2009
Issue Date: 9/30/2009
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Mobile Facility Ottawa ON

Certificate #: 8243-7F8H6X
Application Year: 2008
Issue Date: 6/30/2008
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
National Capital Commission Land Ottawa ON

Certificate #: 1939-5KLQJB
Application Year: 2003
Issue Date: 3/17/2003
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 0709-659S48
Application Year: 2004
Issue Date: 10/5/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 0436-5FZJHM
Application Year: 2002
Issue Date: 11/22/2002
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 0176-5VSPB5
Application Year: 2004
Issue Date: 4/27/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 0119-5ZZRG2
Application Year: 2004
Issue Date: 12/13/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 0931-5LGSQC
Application Year: 2003
Issue Date: 4/29/2003
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 2289-7W7ND9
Application Year: 2009
Issue Date: 9/25/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 3746-68SMAB
Application Year: 2005
Issue Date: 1/20/2005
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 4043-5ZTPRY
Application Year: 2004
Issue Date: 6/11/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 3329-5JWTK4
Application Year: 2003
Issue Date: 2/25/2003
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 3107-5LEP9T

Application Year: 2003
Issue Date: 4/9/2003
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 3-0198-76-006
Application Year: 2010
Issue Date: 12/17/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 3-0198-76-006
Application Year: 2010
Issue Date: 11/19/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 2869-7XMQ68
Application Year: 2010
Issue Date: 1/4/2010

Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 2800-6C8MQL
Application Year: 2005
Issue Date: 5/10/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 1962-7ZNQYA
Application Year: 2010
Issue Date: 6/25/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 1806-6JVSTH
Application Year: 2006
Issue Date: 1/25/2006
Approval Type: Municipal and Private Sewage Works
Status: Revoked and/or Replaced

Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 1790-5ZYLJP
Application Year: 2004
Issue Date: 6/17/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 1085-6M7R32
Application Year: 2006
Issue Date: 2/20/2006
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 0759-7EZL9F
Application Year: 2008
Issue Date: 5/29/2008
Approval Type: Municipal and Private Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name:

Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 4378-7W4KMQ
Application Year: 2009
Issue Date: 9/21/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 4843-86MKPD
Application Year: 2010
Issue Date: 6/23/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 5626-7YJHSS
Application Year: 2010
Issue Date: 1/18/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:

Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 6507-7VGPZK
Application Year: 2009
Issue Date: 9/9/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 6358-67QHXX
Application Year: 2004
Issue Date: 12/16/2004
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 5532-8EQHAT
Application Year: 2011
Issue Date: 4/14/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:

Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 7226-6GLJQM
Application Year: 2005
Issue Date: 11/8/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 8212-62USCB
Application Year: 2004
Issue Date: 7/14/2004
Approval Type: Municipal and Private Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 7921-6N7SEA
Application Year: 2006
Issue Date: 4/26/2006
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 8833-7YTSXC
Application Year: 2009
Issue Date: 12/24/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 9677-7PTJDM
Application Year: 2009
Issue Date: 3/5/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 7630-632RAZ
Application Year: 2004
Issue Date: 7/29/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 3881-8KUJEZ
Application Year: 2011
Issue Date: 8/22/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 6875-8DFLWZ
Application Year: 2011
Issue Date: 1/25/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 9385-82TRT8
Application Year: 2010
Issue Date: 2/23/2010
Approval Type: Municipal and Private Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Ottawa ON

Certificate #: 9384-5JNMSJ
Application Year: 2003
Issue Date: 2/14/2003
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Part from Rideau River Ottawa ON

Certificate #: 3969-8GWJ8L
Application Year: 2011
Issue Date: 6/14/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Plan 4R-16934, Part 3 of Block 301 (easement), Registered Plan 4M-1084
Ottawa ON

Certificate #: 4789-6KJJT3
Application Year: 2006
Issue Date: 1/27/2006
Approval Type: Municipal and Private Sewage Works
Status: Amended
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa

Preston-Brown's Inlet Drainage Area Ottawa ON

Certificate #: 6454-7JEK2Q
Application Year: 2008
Issue Date: 10/24/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** City of Ottawa
Twp. of Nepean Ottawa ON

Certificate #: 4578-7LBPSW
Application Year: 2008
Issue Date: 11/12/2008
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** R.M. OF OTTAWA-CARLETON
PRINCE OF WALES DR. OTTAWA CITY ON

Certificate #: 7-1932-87-
Application Year: 87
Issue Date: 1/14/1988
Approval Type: Municipal water
Status: Approved in 1988
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** R.M. OF OTTAWA-CARLETON
PRINCE OF WALES DR. OTTAWA CITY ON

Certificate #: 7-1664-87-
Application Year: 87
Issue Date: 11/4/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** OTTAWA CITY
PRINCE OF WALES DR. OTTAWA CITY ON

Certificate #: 3-1626-89-
Application Year: 89
Issue Date: 8/16/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** Lot 20, Conc. 1 (Rideau Front), City of Gloucester Ottawa ON

Certificate #: 5220-4L9R6L
Application Year: 00
Issue Date: 6/15/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Urbandale Corporation
Client Address: 2193 Arch Street
Client City: OTTAWA
Client Postal Code: K1G 2H5
Project Description: Construction of Watermain on Cirrus Way from Sandy Forest Place to Giant Cedars Crescent.
Contaminants:
Emission Control:

Database: CA **Site:** R.M. OF OTTAWA-CARLETON CARLETON LODGE
P.S. & FORCEMAIN NEPEAN CITY ON

Certificate #: 3-0834-87-
Application Year: 87

Issue Date: 6/3/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** **Stonebridge Subdivision**
Part of Lot 10, Concession 2 Ottawa ON

Certificate #: 9685-522N2M
Application Year: 01
Issue Date: 9/5/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Monarch Construction Limited
Client Address: 3584 Jockvale Road
Client City: Nepean
Client Postal Code: K2C 3H2
Project Description: Construction of storm and sanitary sewers on Golflinks Drive, Oakbar Crescent and Street 1.
Contaminants:
Emission Control:

Database: CA **Site:** **Stonebridge Subdivision**
Part of Lot 10, Concession 2 Ottawa ON

Certificate #: 6503-522MPV
Application Year: 01
Issue Date: 9/5/01
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Monarch Construction Limited
Client Address: 3584 Jockvale Road
Client City: Nepean
Client Postal Code: K2C 3H2
Project Description: Construction of atermains on Golflinks Drive, Oakbriar Crescent and Street 1.
Contaminants:
Emission Control:

Database: CA **Site:** **Monarch Construction Limited**
Part of Lot 10, Concession 2 Ottawa ON

Certificate #: 3027-5EYJGF
Application Year: 2002
Issue Date: 10/18/2002
Approval Type: Municipal and Private Sewage Works

Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA Site: **Urbandale Corporation**
Part of Lot 20, Concession 1 Ottawa ON

Certificate #: 5155-667MFQ
Application Year: 2004
Issue Date: 11/1/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA Site: **Urbandale Corporation**
Part of Lot 20, Concession 1 Ottawa ON

Certificate #: 6191-5PPQ63
Application Year: 2003
Issue Date: 7/25/2003
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA Site: **HOMES FOR THE AGED MR. GARRY ARMSTRONG**
CARLETON LODGE P.S. NEPEAN CITY ON

Certificate #: 7-1224-87-
Application Year: 87
Issue Date: 8/12/1987
Approval Type: Municipal water
Status: Approved
Application Type:

Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** R.M. OF OTTAWA-CARLETON
CON.3/LT 12/13; CON.2/LT 9-12 GLOUCESTER CITY ON

Certificate #: 7-0244-96-
Application Year: 96
Issue Date: 4/10/1996
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** MONARCH CONSTRUCTION LIMITED
LOT 11/C-2, JOCKVALE SWM FAC. NEPEAN CITY ON

Certificate #: 3-0223-99-
Application Year: 99
Issue Date: 4/23/1999
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** Lot 10 and 11, Concession 2 Ottawa ON

Certificate #: 2621-4WHPVP
Application Year: 01
Issue Date: 5/14/01
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Monarch Construction Limited
Client Address: 3584 Jockvale Road

Client City: Nepean
Client Postal Code: K2C 3H2
Project Description: Watermain Construction
Contaminants:
Emission Control:

Database: CA **Site:** **Monarch Corporation**
Lot 10, Conc. 2 (Rideau Front) Ottawa ON

Certificate #: 1960-8ANFWL
Application Year: 2010
Issue Date: 10/29/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** **Lot 10, Lot 11, Conc. 2, Stonebridge Subd. Ottawa ON**

Certificate #: 4838-4WDRDT
Application Year: 01
Issue Date: 5/4/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Monarch Construction Limited
Client Address: 3584 Jockvale Road
Client City: Nepean
Client Postal Code: K2C 3H2
Project Description: Installation of storm and sanitary sewers to serve Stonebridge Phase 3
Contaminants:
Emission Control:

Database: CA **Site:** **Lot 10, Lot 11, Conc. 2, Stonebridge Subd. Ottawa ON**

Certificate #: 2176-4WDR8J
Application Year: 01
Issue Date: 5/4/01
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Monarch Construction Limited
Client Address: 3584 Jockvale Road
Client City: Nepean
Client Postal Code: K2C 3H2

Project Description: Installation of a watermain re: Stonebridge Phase 3
Contaminants:
Emission Control:

Database: CA **Site:** Lot 11 Concession 2 R.F. Nepean ON

Certificate #: 6551-4FAN28
Application Year: 00
Issue Date: 1/11/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Monarch Construction Limited
Client Address: 3584 Jockvale Road
Client City: NEPEAN
Client Postal Code: K2C 3H2
Project Description: Construction of a sanitary sewage pumping station in the Stonebridge residential and golf community in the City of Nepean. The station consists of a 2.43 metre diameter reinforced plastic (RFP) wet well with two 15kW submersible pumps. each pump will be capable of delivering about 389 l/s flow, discharging to a 2600 metre long 250mm diameter PVC forcemain. the forcemain empties into a regional trunk sewer which in turn discharges to a central treatment plant. the station has the capability and capacity to increase flows to about 70 l/s in the future if demand warrants. The station is designed to service residential development of about 62 hectares including about 830 units and a population of about 2400. The station will also include a 27.5 sq. m. control building of timber construction. The control building will house a 60kW diesel genset as back up power source. the genset will be capable of operating both pumps and the station simultaneously. The control building also includes the necessary controls including distribution and monitoring communications which will be by radio frequency. the station is equipped with by-pass capabilities. there is no overflow. the wet well and sewer system has a storage capacity of about 5 hours under average flow at build up. A portable genset, if required, can be easily wired to the control panels.

Contaminants:
Emission Control:

Database: CA **Site:** Landsdown Developments Limited
Lot 11 and Prt Lot 10, Reg. Plan No. 2545 Ottawa ON

Certificate #: 1361-5ZRHG3
Application Year: 2004
Issue Date: 6/11/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** Monarch Corporation
Lot 11, Conc. 2 (Rideau Front) Ottawa ON

Certificate #: 3682-8AKV3H
Application Year: 2010
Issue Date: 11/9/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA **Site:** Lot 20, Conc. 1 (Rideau Front), City of Gloucester Ottawa ON

Certificate #: 1056-4NANMY
Application Year: 00
Issue Date: 8/17/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: Amended CofA
Client Name: Urbandale Corporation
Client Address: 2193 Arch Street
Client City: OTTAWA
Client Postal Code: K1G 2H5
Project Description: Construction of watermains on River Road, Shoeline Drive, Wildshore Crescent, Walkway Easement, Commercial Block, and Puffin Court.
Contaminants:
Emission Control:

Database: CA **Site:** Lot 20, Conc. 1 (Rideau Front), City of Gloucester Ottawa ON

Certificate #: 8618-4NANFM
Application Year: 00
Issue Date: 8/17/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: Amended CofA
Client Name: Urbandale Corporation
Client Address: 2193 Arch Street
Client City: Ottawa
Client Postal Code: K1G 2H5
Project Description: Construction of sanitary sewer on River Road from pumping station (approx. 1800 m north of Armstrong Road) to temporary entrance to Riverside South Community (approx. 750 m north of Armstrong Road), temporary Entrance Easement. Construction of storm and sanitary sewers on Shoreline Drive, Wildshore Crescent, Walkway Easement, Commercial Block, and Puffin Court
Contaminants:
Emission Control:

Database: CA

Site:

Lot 20, Conc. 1 (Rideau Front), City of Gloucester Ottawa ON

Certificate #: 2227-4L9R22
Application Year: 00
Issue Date: 6/15/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Urbandale Corporation
Client Address: 2193 Arch Street
Client City: Ottawa
Client Postal Code: K1G 2H5
Project Description: Storm and Sanitary sewers to be constructed on Cirrus Way from Sandy Forest Place to Giant Cedars Crescent.
Contaminants:
Emission Control:

Database: CA

Site:

**River Road and Shoreline Drive
River Road and part of lots 19 and 20 Gloucester ON**

Certificate #: 0378-4G7QJB
Application Year: 00
Issue Date: 8/17/00
Approval Type: Municipal & Private sewage
Status: Revoked and/or Replaced
Application Type: New Certificate of Approval
Client Name: Urbandale Corporation
Client Address: 2193 Arch Street
Client City: Ottawa
Client Postal Code: K1G 2H5
Project Description: Storm and Sanitary sewers and appurtenances to be constructed on River Road and Shoreline Drive
Contaminants:
Emission Control:

Database: CA

Site:

**River Road and part of lots 19 and 20 River Road and Shoreline Drive
Gloucester ON**

Certificate #: 0857-4GAJPW
Application Year: 00
Issue Date: 8/17/00
Approval Type: Municipal & Private water
Status: Revoked and/or Replaced
Application Type: New Certificate of Approval
Client Name: Urbandale Corporation
Client Address: 2193 Arch Street
Client City: OTTAWA
Client Postal Code: K1G 2H5
Project Description: Watermains and appurtenances to be constructed on River Road and Shoreline Drive
Contaminants:
Emission Control:

Database: CA

Site: R.M. OF OTTAWA-CARLETON
WOODROFFE AVE. S.W.M. FACILITY NEPEAN CITY ON

Certificate #: 3-0514-93-
Application Year: 93
Issue Date: 6/15/1993
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CA

Site: City of Ottawa
Woodroffe Avenue Ottawa ON

Certificate #: 9466-74ZR66
Application Year: 2007
Issue Date: 8/13/2007
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Database: CONV

Site: The City of Ottawa
Ottawa ON

File No.: 108583
Crown Brief No.:
Ministry District:
Region:
Description:

The City of Ottawa and its contractor were fined \$120,000 for failing to comply with a permit to take water and discharging sediment into Stillwater Creek, a tributary of the Ottawa River. 'Polluters should be aware that the ministry's Investigations and Enforcement Branch will vigorously pursue charges when our environmental laws are broken', said Environment Minister Jim Bradley. In 2010, the city awarded a contract for a water main installation along several streets in Ottawa to Colautti Construction Ltd. ' a local company that specializes in the construction of sewer and water lines. For dewatering required by construction, a permit to take water was issued to the City that required a number of conditions including turbidity testing. Following reports in August 2010 of possible impairments to Stillwater Creek as a result of drilling work, a ministry investigation found the company was responsible for a discharge of sediment into Stillwater Creek. Although there was no evidence of any actual impact to fish in Stillwater Creek as a result of the sediment discharge on that day, sediment discharges can adversely affect fish and benthic organisms. The City was also found to have not been conducting the required turbidity testing. The City of Ottawa and Colautti Construction Ltd. were fined a total of \$120,000 plus victim fine surcharges of \$30,000 and were

given sixty days to pay the fines.

--- Details ---

Date Charged: May 31, 2013
Fine: \$120,000
Act/Regulation/Section:
Charge Disposition: fine, victim fine surcharge
+
Date Charged: March 10, 2014
Fine: \$19,000
Act/Regulation/Section: EPA
Charge Disposition: fine, victim fine surcharge

Database: CONV **Site:** City of Ottawa
Ottawa ON

File No.: 101001

Crown Brief No.:

Ministry District:

Region:

Description:

On October 10, 2008, the City of Ottawa was fined \$450,000 for two offences under the Ontario Water Resources Act in connection with the discharge of sewage to the Ottawa River during the month of August 2006, plus \$112,500 for the victim fine surcharge. The City pled guilty to these offences on September 11, 2008 and an agreed statement of facts was heard by the Court on October 3, 2008. The Court heard that the City is the owner of and responsible for the operation and maintenance of sanitary sewers and sewage treatment systems within the City's geographic area. There are a number of regulators located within Ottawa's sewer line network. A regulator is designed to protect public health and the sewer line network when the amount of sewage in the system reaches the capacity of the pipes. This most commonly occurs during storm events. Under these circumstances, gates within the regulators in combined sewer lines direct sewage and storm water to outflow pipes. This practice is referred to as a Combined Sewer Overflow event. Between the days of August 1 to August 3, 2006, the City experienced extremely heavy rains, resulting in a number of Combined Sewer Overflow events. During this time, the regulator gate that directs the combined sewage near Keefer Street became jammed and from August 4 to August 15, 2006, sewage continued to discharge into the river. The City's Public Works and Services Department did not discover the jammed gate until August 15, 2006, and therefore, between August 4 to August 15, 2006, the discharge was unlawful. During this period, it is estimated that 764 million litres of sewage was unlawfully discharged into the Ottawa River. Upon learning of the jam, the City took immediate steps to ensure the gate was returned to proper operating condition. The City's Public Works and Services Department did not notify the ministry at the time it became aware of the jam until an informal phone call was placed on April 23, 2007. The Department formally notified the ministry of the discharge in a letter dated May 16, 2007. The City was charged, following an investigation by the Ministry of the Environment's Investigations and Enforcement Branch. The City was charged, between August 4 and August 15, 2006, of causing or permitting the discharge of sewage into waters that may impair the quality of water, contrary to s. 30(1) of the OWRA. The City was also charged with failing to notify the ministry forthwith, on August 15, 2006 of the discharge, contrary to s. 30(2) of the OWRA. The sentencing submission took into consideration other sewage discharge events that occurred between 1998 and 2008. Justice of the Peace Louise Girault heard the case in the Ontario Court of Justice in Ottawa, Ontario and imposed sentence on October 10, 2008.

--- Details ---

Date Charged: October 10, 2008
Fine: \$450,000
Act/Regulation/Section: OWRA, 30(1), 30(2)
Charge Disposition: FINED

Database: CONV **Site:** City of Ottawa
Ottawa ON

File No.: 073101
Crown Brief No.:
Ministry District:
Region:
Description: On July 31, 2008 the City of Ottawa has been charged with two alleged offences under the Ontario Water Resources Act in connection with the discharge of sewage to the Ottawa River during the month of August 2006.

--- Details ---

Date Charged: August 15th, 2006
Fine: \$25,000-\$6,000,000
Act/Regulation/Section: OWRA; 30(1), 30(2)
Charge Disposition: fined

Database: CONV **Site:** City of Ottawa
Ottawa ON

File No.: 090543
Crown Brief No.:
Ministry District:
Region:
Description: On June 7, 2011, the City of Ottawa pleaded guilty to one violation under the Safe Drinking Water Act for failing to incorporate a procedural update into its operations manual prior to the alteration coming into effect. The Court heard that the City owns and operates two water purification plants which provide drinking water to customers in Ottawa. The plant underwent upgrading in 2008, which included the waste water being directed to the City's sanitary sewer system to be treated prior to being released, rather than being discharged directly to the Ottawa River. In 2008, while cleaning work was being done, waste water was discharged directly into the Ottawa River. The City of Ottawa had not completed updating its operations manual to include new procedures as required, prior to this discharge occurring. The City was charged following an investigation by the ministry's Investigations and Enforcement Branch. The City was fined \$6,000 plus a victim fine surcharge and was given 30 days to pay the fine.

--- Details ---

Date Charged: June 7, 2011
Fine: \$6,000
Act/Regulation/Section: SDWA
Charge Disposition: fine, victim fine surcharge

Database: EBR **Site:** City of Ottawa
Ottawa ON

Year: 2009
EBR Registry No.: 010-7300
Ministry Ref. No.: 06-OP-0050-076
Type: Instrument Proposal
Instrument Type: (Planning Act s17(34)&s21) - Approval of an Official Plan Amendment
Proposal Date: July 20, 2009
Location: All lands within the City of Ottawa.
Proponent Address: 110 Laurier Avenue West Ottawa Ontario Canada K1P1J1

Database: EBR **Site:** City of Ottawa
OTTAWA ON

Year: 2014
EBR Registry No.: 012-0809
Ministry Ref. No.: 6-OP-131492
Type: Instrument Proposal
Instrument Type: (Planning Act s17(34)&s21) - Approval of an Official Plan Amendment
Proposal Date: January 10, 2014
Location: All lands within the City of Ottawa. CITY OF OTTAWA
Proponent Address: 110 Laurier Avenue West, Ottawa Ontario, Canada K1P1J1

Database: **EBR** **Site:** **City of Ottawa**
OTTAWA ON

Year: 2014
EBR Registry No.: 012-0809
Ministry Ref. No.: 6-OP-131492
Type: Instrument Decision
Instrument Type: (Planning Act s17(34)&s21) - Approval of an Official Plan Amendment
Proposal Date: January 10, 2014
Location: All lands within the City of Ottawa. CITY OF OTTAWA
Proponent Address: 110 Laurier Avenue West, Ottawa Ontario, Canada K1P1J1

Database: **ECA** **Site:** **City of Ottawa**
City of Ottawa ON

CofA Number: 5511-9H3K2W
Date: 4/11/14
Status: Approved
Project Type: Municipal and Private Sewage

Database: **ECA** **Site:** **City of Ottawa**
Lot MTO ROW next to Lot 11 to 15, Concession 2 Ottawa ON

CofA Number: 9757-9BXTRH
Date: 31-OCT-13
Status: Approved
Project Type: Municipal and Private Sewage

Database: **ECA** **Site:** **City of Ottawa**
Lot MTO ROW next to Lot 11 to 15, Concession 2 City of Ottawa, Ontario. ON

CofA Number: 0530-9DKKWF
Date: 19-DEC-13
Status: Approved
Project Type: Municipal and Private Sewage

Database: **ECA** **Site:** **City of Ottawa**
Prince of Wales Drive City of Ottawa ON

CofA Number: 9453-9KANVM
Date: 5/29/14
Status: Approved
Project Type: Municipal and Private Sewage

Database: **ECA** **Site:** **City of Ottawa**
City of Ottawa ON

CofA Number: 9589-9J3KXP
Date: 5/1/14
Status: Approved
Project Type: Municipal and Private Sewage

Database: **ECA** **Site:** **City of Ottawa**
City of Ottawa ON

CofA Number: 7561-9KCR9B
Date: 5/27/14
Status: Approved
Project Type: Municipal and Private Sewage

Database: **ECA** **Site:** **City of Ottawa**
Ottawa ON

CofA Number: 0266-9R9M6W
Date: 12/18/14
Status: Approved
Project Type: Municipal and Private Sewage

Database: **ECA** **Site:** **City of Ottawa**
Ottawa ON

CofA Number: 3240-956M8M
Date: 25-MAR-13
Status: Approved
Project Type: Municipal and Private Sewage

Database: **EHS** **Site:** **Woodroffe Ave (West Hunt Club Rd to CN Rail Line) Ottawa ON**

Addit. Info Ordered:
Order No.: 20040713004
Report Date: 7/15/04
Report Type: Custom Report
Search Radius (km): 0.25

Database: **EXP** **Site:** **JACK MAY PONTIAC BUICK LTD**
LOT 9 CON 2 NEPEAN ON

Instance ID: 390373
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:
Instance Number: 9667817
Instance Type: FS Facility
Status: EXPIRED
Description: FS Propane Vehicle Conv Centre

Database: **GEN** **Site:** **RIDEAU CANAL**
NORTHERN AREA OFFICE, 11/2 MI N REG RD 8 W OF RIVER RD, LONG
ISLAND LOCK, PO BOX 400 MANOTICK ON K0A 2N0

Generator #: ON0992000
Approval Yrs: 88,89,90
SIC Code: 8172
SIC Description: RES. CONS./IND. DEV.

--- Details ---

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Database: **GEN** **Site:** **Dalcon**
Central Experimental Farm, Prince of Whales Drive Ottawa ON K1M 0M3

Generator #: ON9858804
Approval Yrs: 02,03,04
SIC Code:
SIC Description:

--- Details ---

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Database: **GEN** **Site:** **ENVIRONMENT CANADA, PARKS DEPT.**
1 1/2 ML. N. OF R.R. & 8 ML. W. RIVER RD P.U.B. 400, LONG ISLAND LOCK
MANOTICK ON K0A 2N0

Generator #: ON0992000
Approval Yrs: 92,93,97,98
SIC Code: 8172
SIC Description: RES. CONS./IND. DEV.

--- Details ---

Waste Code: 145

Waste Description: PAINT/PIGMENT/COATING RESIDUES
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Database: GEN **Site:** RIDEAU CANAL
1 1/2 ML. N. OF REGIONAL RD & 8 M. WEST RIVER ROAD-P.U.B. 400, LONG
ISLAND LOCK MANOTICK ON K0A 2N0

Generator #: ON0992000
Approval Yrs: 99,00,01
SIC Code: 8172
SIC Description: RES. CONS./IND. DEV.

--- Details ---

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Database: GEN **Site:** PUBLIC WORKS CANADA
CHP, Central Experimental Farm, Prince Of Wales Dr Ottawa ON K1A 0M3

Generator #: ON0144725
Approval Yrs: 02,03,04
SIC Code:
SIC Description:

--- Details ---

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS
+
Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS
+
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES
+
Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS
+
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS
+
Waste Code: 221
Waste Description: LIGHT FUELS
+
Waste Code: 222
Waste Description: HEAVY FUELS
+
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS
+

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Database: GEN **Site:** RIDEAU CANAL 33-433
NORTHERN AREA OFFICE, 11/2 MI N REG RD 8 W OF RIVER RD, LONG
ISLAND LOCK, PO BOX 400 MANOTICK ON K0A 2N0

Generator #: ON0992000
Approval Yrs: 94,95,96
SIC Code: 8172
SIC Description: RES. CONS./IND. DEV.

--- Details ---

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Database: GEN **Site:** GVT. OF CAN. - ENVIRONMENT CANADA
RIVER RD. ENVIRONMENTAL TECHNOLOGY CTR. C/O 140 PROMENADE DU
PORTAGE, PHASE IV OTTAWA ON K1A 0M3

Generator #: ON0198101
Approval Yrs: 86,87,88,89,90
SIC Code: 8173
SIC Description: ENVIRON. ADMIN.

--- Details ---

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS
+
Waste Code: 211
Waste Description: AROMATIC SOLVENTS
+
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS
+
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES
+
Waste Code: 221
Waste Description: LIGHT FUELS
+
Waste Code: 222
Waste Description: HEAVY FUELS
+
Waste Code: 241
Waste Description: HALOGENATED SOLVENTS
+
Waste Code: 242
Waste Description: HALOGENATED PESTICIDES
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS
+
Waste Code: 263

Waste Description: ORGANIC LABORATORY CHEMICALS

Database: GEN **Site:** CITY OF OTTAWA
LOT 10, CONSESSION 2 OTTAWA ON K1P 1J1

Generator #: ON3823377
Approval Yrs: 07,08
SIC Code:
SIC Description:

--- Details ---

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Database: GEN **Site:** National Capital Commission
River Road North Ottawa ON

Generator #: ON9269241
Approval Yrs: 2013
SIC Code: 991910
SIC Description:

--- Details ---

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

+
Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Database: LIMO **Site:** The Corporation of the Regional Municipality of Ottawa-Carleton
City of Ottawa ON

C of A Number: A460704
Operation Status: Closed
C of A Issue Date:
Site Name: RMOC Landfill
MOE Region:
MOE District:
C of A Issued to:
Landfill Type:
Site County:
Total Site Area:
Footprint:
Total Approved Capac:
Fill Rate:
Contam. Atten. Zone:
Air Emmis. Monitor:
Groundwater Monitor:
Surf. Water Monitor:
Landfill Gas Monitor:
Natural Attenuation:
Liners:
Cover Material:
Leachate Off Site:
Leachate On Site:
Landfill Gas Manag.(P):

Landfill Gas Manag.(F):
Landfill Gas Manag.(E):
Financial Assurance:
Req Coll. Landfill Gas:
Landfill Gas Collected:
Est Remain Capac(ERC):
ERC Date Last Determ.:
ERC Methodology:
Total Waste Rec.(TWR):
TWR Methodology:
Last Reporting Year:

Database: **NATE** Site: **CITY OF OTTAWA**
OTTAWA ON

File No.: 4462-2
Reported By: Province
Material Reaction: N
Spill Date: 890207
Lead Agency: Province
Basin: St. Lawrence River Drainage
Air: N
DOE on Scene: N
Land: Y
Fresh Water: N
Ground Water: N
Salt Water: N
Other Environment: N
Waterbody:
Cause: Container Leak
Reason: Road Conditions
Source: Other Motor Vehicle
Sector: Transportation
Ship No.:
Ship Name:
Clean Up By: other
Disposal Method: landfill
Recovery %: 100.00
Act Invoked: None
Enforcement Resp:
Fish Kill: N
Oiled Birds: N
Other Kill: N
Vegetation Damage: N
Property Damage: N
Drinking Water: N
Income Loss: N
Other Consequences: N
No. of Injuries: 0
No. of Evacuations: 0
Fine:
No. of Dead: 0
Cleanup Cost:
Material: fuel oil no. 2
Amount (ton): 0.36
Volume (L): 450.00
Concentration:
Phase:

Additional Info:

Database: **NCPL** **Site:** **City of Ottawa - Stonebridge Stormwater
Lot 11, Conc 2 Rideau Front Ottawa ON**

Year: 2008
Discharge Type: Industrial Sewage
Sector: Miscellaneous Industrial
Type of Concern: CofA/Permit Non-Compliance
Contaminant: ESCHERICHIA COLI
Status Report:

--- Details ---

Incident Date: 5/15/2008
Limit/Unit/ Freq: 100 per 100 mL
Quantity Min/Max: 184/800
Facility Action: Conducting Study
Ministry Action: Other Abatement Action Taken

Database: **NEES** **Site:** **CITY OF OTTAWA
OTTAWA ON**

Incident Date: 2/7/89
Contaminant: fuel oil no. 2
Amount: 0.365
Units: Tonnes (Metric)
Quantity:
Cause: Container Leak
Source: Other Motor Vehicle
Reason: Road Conditions
Sector: Transportation

Database: **NPCB** **Site:** **ENVIRONMENT CANADA
RIVER ROAD LABS 3439 RIVER ROAD OTTAWA ON K1A 0H3**

Company Code: O3229
Industry: ENVIRONMENT CANADA
Site Status: ITEMS SENT TO SWAN HILLS
Transaction Date: 10/9/1996
Inspection Date: 7/24/1996

Database: **NPCB** **Site:** **ONTARIO HYDRO
WOODROFFE T.S.; RP 341791, BLOCK B OTTAWA ON**

Company Code: O0960
Industry: Utility
Site Status:
Transaction Date: 6/1/1988
Inspection Date:

Database: **PRT** **Site:** **JACK MAY PONTIAC BUICK LTD**
LOT 9 CON 2 NEPEAN ON

Location ID: 9617
Type: private
Expiry Date: 1994-02-28
Capacity (L): 0.00
Licence #: 0037908001

Database: **SPL** **Site:** **FINES FLOUR**
RIVER RD. GLOUCESTER GLOUCESTER PLANT **RIVER ROAD**
GLOUCESTER CITY ON

Ref NO: 176
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: OTHER CONTAINER LEAK
Incident Dt: 2/9/1988
Incident Reason: MATERIAL FAILURE
Incident Summary: OIL FROM ABOVE GROUND STORAGE TANK TO GROUND.
MOE Reported Dt: 2/9/1988
Environmental Impact: NOT ANTICIPATED
Nature of Impact: SOIL CONTAMINATION
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 20105

Database: **SPL** **Site:** **City of Ottawa**
Hackett Storm Water Pond<UNOFFICIAL> Ottawa ON

Ref NO: 6002-7H3JZ5
Contaminant Code: 15
Contaminant Name: OIL (PETROLEUM BASED, NOT SPECIFIED)
Contaminant Quantity:
Incident Cause:
Incident Dt:
Incident Reason:
Incident Summary: Sludgy oily sediment in stormwater pond. Source unknown.
MOE Reported Dt: 7/31/2008
Environmental Impact: Not Anticipated
Nature of Impact: Surface Water Pollution
Receiving Medium:
SAC Action Class: Watercourse Spills
Sector Source Type: Unknown
Site Municipality: Ottawa

Database: **SPL** **Site:** **City of Ottawa**
MSM Ottawa ON

Ref NO: 7720-7AEUKN
Contaminant Code: 15
Contaminant Name: OIL (PETROLEUM BASED, NOT SPECIFIED)
Contaminant Quantity: 0 other - see incident description
Incident Cause: Other Discharges
Incident Dt:
Incident Reason: Unknown - Reason not determined
Incident Summary: OC Transpo - oil leak to road, c/b
MOE Reported Dt: 12/31/2007
Environmental Impact: Not Anticipated
Nature of Impact: Soil Contamination; Surface Water Pollution
Receiving Medium: Land & Water
SAC Action Class:
Sector Source Type: Other
Site Municipality: Vaughan

Database: **SPL** **Site:** **City of Ottawa**
North bound Ottawa ON

Ref NO: 7166-8YC3HG
Contaminant Code: 27
Contaminant Name: COOLANT N.O.S.
Contaminant Quantity: 10 L
Incident Cause: Leak/Break
Incident Dt: 20-SEP-12
Incident Reason: Equipment Failure
Incident Summary: OC Transpo: 10 L of coolant into catch basin, clnd
MOE Reported Dt: 20-SEP-12
Environmental Impact: Not Anticipated
Nature of Impact:
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type: Motor Vehicle
Site Municipality: Ottawa

Database: **SPL** **Site:** **City of Ottawa**
Ottawa ON

Ref NO: 0010-8HKNHG
Contaminant Code: 15
Contaminant Name: OIL (PETROLEUM BASED, NOT SPECIFIED)
Contaminant Quantity: 10 L
Incident Cause: Unknown
Incident Dt: 6/6/2011
Incident Reason: Unknown - Reason not determined
Incident Summary: Oily residue discovered in manhole, being clnd
MOE Reported Dt: 6/6/2011
Environmental Impact: Not Anticipated
Nature of Impact:
Receiving Medium: Sewage - Municipal/Private and Commercial
SAC Action Class: Land Spills
Sector Source Type: Unknown
Site Municipality: Ottawa

Database: **SPL** **Site:** **City of Ottawa**
Ottawa ON

Ref NO: 8627-8CV6F5
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: Other Discharges
Incident Dt: 1/6/2011
Incident Reason: Equipment/Vehicles
Incident Summary: OC Transpo: anti-freeze to sewer
MOE Reported Dt: 1/6/2011
Environmental Impact: Not Anticipated
Nature of Impact:
Receiving Medium:
SAC Action Class: Watercourse Spills
Sector Source Type: Motor Vehicle
Site Municipality: Ottawa

Database: **SPL** **Site:** **City of Ottawa**
Ottawa ON

Ref NO: 6417-89RVYR
Contaminant Code: 27
Contaminant Name: COOLANT (N.O.S.)
Contaminant Quantity: 0 other - see incident description
Incident Cause: Discharge Or Bypass To A Watercourse
Incident Dt:
Incident Reason: Spill
Incident Summary: OC Transpo - engine coolant to 2 CBs, HntCib/Knxdle
MOE Reported Dt: 9/29/2010
Environmental Impact:
Nature of Impact: Other Impact(s)
Receiving Medium:
SAC Action Class: Primary Assessment of Incident
Sector Source Type:
Site Municipality:

Database: **SPL** **Site:** **City of Ottawa**
Ottawa ON

Ref NO: 6265-8W5GUS
Contaminant Code: n/a
Contaminant Name: Ethylene glycol
Contaminant Quantity:
Incident Cause: Pipe Or Hose Leak
Incident Dt: 12-JUL-12
Incident Reason: Spill
Incident Summary: City of Ottawa: 15L anti-freeze to sewer
MOE Reported Dt: 12-JUL-12
Environmental Impact: Confirmed
Nature of Impact: Other Impact(s)
Receiving Medium: Sewage - Municipal/Private and Commercial
SAC Action Class: Watercourse Spills

Sector Source Type: Motor Vehicle
Site Municipality: Ottawa

Database: **SPL** **Site:** **City of Ottawa**
Ottawa ON

Ref NO: 5282-974GJZ
Contaminant Code: 27
Contaminant Name: COOLANT N.O.S.
Contaminant Quantity: 30 L
Incident Cause: Leak/Break
Incident Dt: 25-APR-13
Incident Reason: Equipment Failure
Incident Summary: OC Transpo-30 L coolant to sewer
MOE Reported Dt: 25-APR-13
Environmental Impact: Not Anticipated
Nature of Impact: Soil Contamination
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type: Motor Vehicle
Site Municipality: Ottawa

Database: **SPL** **Site:** **City of Ottawa**
Ottawa ON

Ref NO: 8378-9RGL4U
Contaminant Code: 24
Contaminant Name: PROPYLENE GLYCOL
Contaminant Quantity: 19 L
Incident Cause: Leak/Break
Incident Dt: 2014/12/04
Incident Reason: Equipment Failure
Incident Summary: OC Transpo: max. 19 L antifreeze to rd. & cb
MOE Reported Dt: 2014/12/04
Environmental Impact:
Nature of Impact: Land
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type: Pipeline/Components
Site Municipality: Ottawa

Database: **SPL** **Site:** **City of Ottawa**
Ottawa ON

Ref NO: 6506-8XVLV7
Contaminant Code: 15
Contaminant Name: OIL (PETROLEUM BASED, NOT SPECIFIED)
Contaminant Quantity: 1 L
Incident Cause: Discharge Or Bypass To A Watercourse
Incident Dt: 04-SEP-12
Incident Reason: Spill
Incident Summary: Ottawa: < 1 l of oil into Ottawa River
MOE Reported Dt: 06-SEP-12

Environmental Impact: Not Anticipated
Nature of Impact:
Receiving Medium:
SAC Action Class: Watercourse Spills
Sector Source Type: Motor Vehicle
Site Municipality: Ottawa

Database: **SPL** **Site:** **City of Ottawa**
Ottawa ON

Ref NO: 5741-8ZLSTQ
Contaminant Code: 27
Contaminant Name: COOLANT N.O.S.
Contaminant Quantity: 15 L
Incident Cause: Leak/Break
Incident Dt: 31-OCT-12
Incident Reason: Equipment Failure
Incident Summary: OC Transpo: 15 L of coolant into cb, clning
MOE Reported Dt: 31-OCT-12
Environmental Impact: Not Anticipated
Nature of Impact:
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type: Motor Vehicle
Site Municipality: Ottawa

Database: **SPL** **Site:** **City of Ottawa**
Ottawa ON

Ref NO: 2685-8UPQ68
Contaminant Code: n/a
Contaminant Name: Ethylene glycol
Contaminant Quantity:
Incident Cause: Other Discharges
Incident Dt: 27-MAY-12
Incident Reason: Spill
Incident Summary: 3 L anti-freeze to cb; City of Ott. clng
MOE Reported Dt: 27-MAY-12
Environmental Impact: Not Anticipated
Nature of Impact: Other Impact(s)
Receiving Medium: Sewage - Municipal/Private and Commercial
SAC Action Class: Land Spills
Sector Source Type: Motor Vehicle
Site Municipality: Ottawa

Database: **SPL** **Site:** **City of Ottawa**
Ottawa ON

Ref NO: 5570-8X58RD
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Quantity: 100 L
Incident Cause: Other Transport Accident

Incident Dt: 13-AUG-12
Incident Reason: Spill
Incident Summary: City of Ottawa: 100+ L of dsl to sewers, clning
MOE Reported Dt: 13-AUG-12
Environmental Impact: Not Anticipated
Nature of Impact:
Receiving Medium:
SAC Action Class: Watercourse Spills
Sector Source Type: Motor Vehicle
Site Municipality: Ottawa

Database: **SPL** **Site:** **City of Ottawa**
Ottawa ON

Ref NO: 5462-8BLTPR
Contaminant Code: 46
Contaminant Name: USED MOTOR OIL
Contaminant Quantity: 25 L
Incident Cause: Other Discharges
Incident Dt:
Incident Reason: Unknown - Reason not determined
Incident Summary: OC Transpo-25 L Motor Oil to Roadway, 1/2 l to Storm Sewer
MOE Reported Dt: 11/27/2010
Environmental Impact: Confirmed
Nature of Impact: Soil Contamination; Surface Water Pollution
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type: Motor Vehicle
Site Municipality:

Database: **SPL** **Site:** **City of Ottawa**
GLOUCESTER ON

Ref NO: 3786-88M7KJ
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: Other Discharges
Incident Dt:
Incident Reason: Power Interruption - Loss of electrical power
Incident Summary: ROPEC WWTP: 3 power blips impacting chlorine pump
MOE Reported Dt: 8/24/2010
Environmental Impact: Confirmed
Nature of Impact: Surface Water Pollution
Receiving Medium:
SAC Action Class: Sewage Bypasses / Overflows
Sector Source Type: Sewage Treatment
Site Municipality:

Database: **SPL** **Site:** **City of Ottawa**
Transitway Ottawa ON

Ref NO: 7101-5LY5CZ

Contaminant Code: 24
Contaminant Name: ETHYLENE GLYCOL (ANTIFREEZE)
Contaminant Quantity: 5 L
Incident Cause:
Incident Dt: 4/25/2003
Incident Reason:
Incident Summary: Transit Bus - 5 L antifreeze to san.sewer. cleaned
MOE Reported Dt: 4/25/2003
Environmental Impact:
Nature of Impact:
Receiving Medium: Water
SAC Action Class: Spills
Sector Source Type: Other
Site Municipality: Ottawa

Database: **SPL** **Site:** **City of Ottawa**
Transitway (Bus Route) East Bound at Booth<UNOFFICIAL> Ottawa ON

Ref NO: 0365-7A8K6M
Contaminant Code: 15
Contaminant Name: ENGINE OIL
Contaminant Quantity: 20 L
Incident Cause: Pipe Or Hose Leak
Incident Dt:
Incident Reason:
Incident Summary: OC Transport: 10-20L Engine oil to Rd.
MOE Reported Dt: 12/25/2007
Environmental Impact: Not Anticipated
Nature of Impact: Soil Contamination
Receiving Medium: Land
SAC Action Class:
Sector Source Type: Other Motor Vehicle
Site Municipality: Ottawa

Database: **SPL** **Site:** **KENT FUELS**
RR #2 LODGE RD TANK TRUCK (CARGO) NEPEAN CITY ON

Ref NO: 28804
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 12/12/1989
Incident Reason: GASKET/JOINT
Incident Summary: KENT FUELS - 10-15L OF #2 FUEL OIL TO GROUND, CLEANED UP.
MOE Reported Dt: 12/12/1989
Environmental Impact:
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 20104

Database: **SPL** **Site:** **Veolia ES Canada Industrial Services Inc.**
East shoulder of Prince of Wales Drive Ottawa ON

Ref NO: 7471-9DGR68
Contaminant Code: 15
Contaminant Name: HYDRAULIC OIL
Contaminant Quantity: 20 L
Incident Cause: Leak/Break
Incident Dt: 2013/11/15
Incident Reason: Equipment Failure
Incident Summary: Veolia ES: 20 L of hydraulic oil to shoulder
MOE Reported Dt: 2013/11/15
Environmental Impact: Not Anticipated
Nature of Impact: Other Impact(s)
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type: Motor Vehicle
Site Municipality: Ottawa

Database: **SPL** **Site:** **Ultramar Ltd.**
Prince of Wales Drive, near Dow's Lake traffic circle NEAR DOW'S LAKE
TRAFFIC CIRCLE<UNOFFICIAL> Ottawa ON

Ref NO: 8446-6RPS94
Contaminant Code: 15
Contaminant Name: ENGINE OIL
Contaminant Quantity: 50 L
Incident Cause: Other Transport Accident
Incident Dt: 7/14/2006
Incident Reason: Unknown - Reason not determined
Incident Summary: engine oil spill from Ultramar truck, Prince of Wales Drive
MOE Reported Dt: 7/14/2006
Environmental Impact: Not Anticipated
Nature of Impact: Soil Contamination
Receiving Medium: Land
SAC Action Class:
Sector Source Type: Tank Truck
Site Municipality: Ottawa

Database: **SPL** **Site:** **City of Ottawa**
Former City of Nepean Ottawa ON

Ref NO: 5382-7TGMJ9
Contaminant Code:
Contaminant Name: WASTE OIL/WATER (N.O.S.)
Contaminant Quantity:
Incident Cause: Other Discharges
Incident Dt:
Incident Reason: Unknown - Reason not determined
Incident Summary: City of Ottawa, Oil and Pollen slick, clog
MOE Reported Dt: 6/29/2009
Environmental Impact: Not Anticipated
Nature of Impact: Surface Water Pollution
Receiving Medium:
SAC Action Class: Watercourse Spills

Sector Source Type: Unknown
Site Municipality: Ottawa

Database: **SPL** Site: **Woodroffe Avenue and West Hunt Club<UNOFFICIAL> Ottawa ON**

Ref NO: 8444-7ALFW9
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Quantity: 180 L
Incident Cause: Other Transport Accident
Incident Dt:
Incident Reason:
Incident Summary: Woodroffe Avenue: MVA: 40 gallons of diesel to ground
MOE Reported Dt: 1/6/2008
Environmental Impact: Not Anticipated
Nature of Impact:
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type: Other
Site Municipality: Ottawa

Database: **WDS** Site: **City of Ottawa
Ottawa ON**

Certificate No.: A461402
Issue Date: 10/18/2010
Status: Approved
Application Status:
Concession:
Lot:
Region/County:
Proponent:
Address:
City:
Facility Type:
District Office:
Municipalities Served:
Total Area (ha):
Landfill Capacity (m³):
Landfill Monitoring:
Landfill Control Type:
Est. Closure Date:
Transfer Area (ha):
Transfer Capacity (m³):
Transfer Sites Certificate
No.:
Incinerator Area (ha):
Incinerator Capacity (t):
Processing Area (m³):
Processing Capacity (m³/d):
Processing Volume (m³):
Processing Feed (m³):
Mobile Units:
Mobile Description:

Mobile Capacity:
Mobile Unit Certificate No.:
Waste Type:
Waste Type Other:
Waste Class:
Other Approvals/Permits:
Approval Description:
Waste Description:
Site Closing Description:

Database: **WWIS**

Site:

lot 9 ON

Well ID: 1521953
Concession:
County: OTTAWA-CARLETON
Easting Nad83:
Zone: 18
Primary Water Use: Domestic
Sec. Water Use: Cooling And A/C
Pump Rate: 20 GPM
Flow Rate:
Specific Capacity:
Construction Method: Air Percussion
Elevation (m):
Depth to Bedrock: 6
Water Type: SALTY

Lot: 009
Concession Name:
Municipality: NEPEAN TOWNSHIP
Northing Nad83:
Utm Reliability: unknown UTM
Construction Date: 26-SEP-87
Well Depth: 275 ft
Static Water Level: 12 ft
Clear/Cloudy: CLEAR
Final Well Status: Water Supply
Flowing (y/n): N
Elevation Reliability:
Overburden/Bedrock: Bedrock
Casing Material: FRESH, MINERIAL

--- Details ---

Thickness: 6 ft
Material Colour: BROWN
 +
Thickness: 164 ft
Material Colour: GREY
 +
Thickness: 105 ft
Material Colour: GREY

Original Depth: 6 ft
Material: CLAY, STONES, PACKED
Original Depth: 170 ft
Material: LIMESTONE, MEDIUM-GRAINED, SOFT
Original Depth: 275 ft
Material: SANDSTONE, MEDIUM-GRAINED

Database: **WWIS**

Site:

lot 9 ON

Well ID: 1534130
Concession:
County: OTTAWA-CARLETON
Easting Nad83:
Zone: 18
Primary Water Use: Domestic
Sec. Water Use:
Pump Rate: 3 GPM
Flow Rate:
Specific Capacity:
Construction Method: Air Percussion

Lot: 009
Concession Name: BF
Municipality: GLOUCESTER TOWNSHIP
Northing Nad83:
Utm Reliability: unknown UTM
Construction Date: 10-SEP-03
Well Depth: 220 ft
Static Water Level: 12 ft
Clear/Cloudy: CLOUDY
Final Well Status: Water Supply
Flowing (y/n): N

Elevation (m):		Elevation Reliability:	
Depth to Bedrock:	59	Overburden/Bedrock:	Bedrock
Water Type:	Not stated	Casing Material:	FRESH, MINERIAL

--- Details ---

Thickness:	59 ft	Original Depth:	59 ft
Material Colour:		Material:	CLAY
+			
Thickness:	47 ft	Original Depth:	106 ft
Material Colour:	GREY	Material:	LIMESTONE
+			
Thickness:	114 ft	Original Depth:	220 ft
Material Colour:	GREY	Material:	SANDSTONE

Database: [WWIS](#) **Site:** **lot 10 ON**

Well ID:	1524890	Lot:	010
Concession:		Concession Name:	
County:	OTTAWA-CARLETON	Municipality:	NEPEAN TOWNSHIP
Easting Nad83:		Northing Nad83:	
Zone:	18	Utm Reliability:	unknown UTM
Primary Water Use:	Domestic	Construction Date:	25-APR-90
Sec. Water Use:		Well Depth:	108 ft
Pump Rate:	20 GPM	Static Water Level:	0 ft
Flow Rate:		Clear/Cloudy:	CLOUDY
Specific Capacity:		Final Well Status:	Water Supply
Construction Method:	Air Percussion	Flowing (y/n):	N
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:	106	Overburden/Bedrock:	Bedrock
Water Type:	FRESH	Casing Material:	FRESH

--- Details ---

Thickness:	10 ft	Original Depth:	10 ft
Material Colour:	GREY	Material:	CLAY
+			
Thickness:	80 ft	Original Depth:	90 ft
Material Colour:	BLUE	Material:	CLAY
+			
Thickness:	16 ft	Original Depth:	106 ft
Material Colour:	GREY	Material:	HARDPAN, CLAY
+			
Thickness:	2 ft	Original Depth:	108 ft
Material Colour:	GREY	Material:	ROCK, FRACTURED

Database: [WWIS](#) **Site:** **lot 10 ON**

Well ID:	1518764	Lot:	010
Concession:		Concession Name:	CON
County:	OTTAWA-CARLETON	Municipality:	NEPEAN TOWNSHIP
Easting Nad83:		Northing Nad83:	
Zone:	18	Utm Reliability:	unknown UTM
Primary Water Use:	Domestic	Construction Date:	25-NOV-83

Sec. Water Use:
Pump Rate: 20 GPM
Flow Rate:
Specific Capacity:
Construction Method: Air Precussion
Elevation (m):
Depth to Bedrock: 88

Water Type: FRESH

Well Depth: 105 ft
Static Water Level: 0 ft
Clear/Cloudy: CLOUDY
Final Well Status: Water Supply
Flowing (y/n): N

Elevation Reliability:
Overburden/Bedrock: Bedrock
Casing Material: FRESH, MINERIAL

--- Details ---

Thickness: 44 ft
Material Colour: GREY
+
Thickness: 44 ft
Material Colour: GREY
+
Thickness: 17 ft
Material Colour: GREY

Original Depth: 44 ft
Material: CLAY

Original Depth: 88 ft
Material: HARDPAN, GRAVEL

Original Depth: 105 ft
Material: LIMESTONE, SHALY

Database: [WWIS](#) **Site:** **lot 10 ON**

Well ID: 1535825
Concession:
County: OTTAWA-CARLETON
Easting Nad83:
Zone:
Primary Water Use:
Sec. Water Use:
Pump Rate:
Flow Rate:
Specific Capacity:
Construction Method: Other Method
Elevation (m):
Depth to Bedrock:

Water Type:

Lot: 010
Concession Name:
Municipality: OTTAWA CITY
Northing Nad83:
Utm Reliability:
Construction Date: 22-SEP-05
Well Depth: 77 ft
Static Water Level:
Clear/Cloudy:
Final Well Status:
Flowing (y/n):

Elevation Reliability:
Overburden/Bedrock: all layers are unknown type
Casing Material:

--- Details ---

Thickness: 19 ft
Material Colour:
+
Thickness: 58 ft
Material Colour:

Original Depth: 19 ft
Material:

Original Depth: 77 ft
Material:

Database: [WWIS](#) **Site:** **lot 10 ON**

Well ID: 1521190
Concession:
County: OTTAWA-CARLETON
Easting Nad83:
Zone: 18
Primary Water Use: Domestic

Lot: 010
Concession Name:
Municipality: NEPEAN TOWNSHIP
Northing Nad83:
Utm Reliability: unknown UTM
Construction Date: 28-NOV-86

Sec. Water Use:		Well Depth:	80 ft
Pump Rate:	20 GPM	Static Water Level:	2 ft
Flow Rate:		Clear/Cloudy:	CLOUDY
Specific Capacity:		Final Well Status:	Water Supply
Construction Method:	Air Percussion	Flowing (y/n):	N
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:		Overburden/Bedrock:	Overburden
Water Type:	FRESH	Casing Material:	FRESH

--- Details ---

Thickness:	54 ft	Original Depth:	54 ft
Material Colour:	GREY	Material:	CLAY
+			
Thickness:	26 ft	Original Depth:	80 ft
Material Colour:	GREY	Material:	HARDPAN, GRAVEL

Database: [WWIS](#) **Site:** lot 10 ON

Well ID:	1521663	Lot:	010
Concession:		Concession Name:	
County:	OTTAWA-CARLETON	Municipality:	NEPEAN TOWNSHIP
Easting Nad83:		Northing Nad83:	
Zone:	18	Utm Reliability:	unknown UTM
Primary Water Use:	Domestic	Construction Date:	28-JUL-87
Sec. Water Use:		Well Depth:	225 ft
Pump Rate:	3 GPM	Static Water Level:	50 ft
Flow Rate:		Clear/Cloudy:	CLOUDY
Specific Capacity:		Final Well Status:	Water Supply
Construction Method:	Air Percussion	Flowing (y/n):	N
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:	59	Overburden/Bedrock:	Bedrock
Water Type:	FRESH	Casing Material:	FRESH, MINERIAL

--- Details ---

Thickness:	45 ft	Original Depth:	45 ft
Material Colour:	GREY	Material:	CLAY
+			
Thickness:	14 ft	Original Depth:	59 ft
Material Colour:	GREY	Material:	HARDPAN, STONES
+			
Thickness:	91 ft	Original Depth:	150 ft
Material Colour:	GREY	Material:	LIMESTONE
+			
Thickness:	75 ft	Original Depth:	225 ft
Material Colour:	WHITE	Material:	SANDSTONE

Database: [WWIS](#) **Site:** lot 10 ON

Well ID:	1516946	Lot:	010
Concession:		Concession Name:	
County:	OTTAWA-CARLETON	Municipality:	GLOUCESTER TOWNSHIP

Easting Nad83:
Zone: 18
Primary Water Use: Domestic
Sec. Water Use:
Pump Rate: 30 GPM
Flow Rate:
Specific Capacity:
Construction Method: Air Percussion
Elevation (m):
Depth to Bedrock: 30

Water Type: FRESH

--- Details ---

Thickness: 25 ft
Material Colour: GREY
+
Thickness: 5 ft
Material Colour: GREY
+
Thickness: 34 ft
Material Colour: GREY

Northing Nad83:
Utm Reliability: unknown UTM
Construction Date: 30-APR-79
Well Depth: 64 ft
Static Water Level: 12 ft
Clear/Cloudy: CLOUDY
Final Well Status: Water Supply
Flowing (y/n): N

Elevation Reliability:
Overburden/Bedrock: Bedrock
k:
Casing Material: FRESH

Original Depth: 25 ft
Material: CLAY

Original Depth: 30 ft
Material: CLAY, STONES

Original Depth: 64 ft
Material: LIMESTONE

Database: [WWIS](#) **Site:** **lot 11 ON**

Well ID: 1534269
Concession:
County: OTTAWA-CARLETON
Easting Nad83:
Zone: 18
Primary Water Use: Not Used
Sec. Water Use:
Pump Rate:
Flow Rate:
Specific Capacity:
Construction Method: Other Method
Elevation (m):
Depth to Bedrock:

Water Type:

Lot: 011
Concession Name:
Municipality: NEPEAN TOWNSHIP
Northing Nad83:
Utm Reliability: unknown UTM
Construction Date: 26-SEP-03
Well Depth:
Static Water Level:
Clear/Cloudy:
Final Well Status: Not A Well
Flowing (y/n):

Elevation Reliability:
Overburden/Bedrock: No formation data
k:
Casing Material:

Database: [WWIS](#) **Site:** **lot 11 ON**

Well ID: 1517130
Concession:
County: OTTAWA-CARLETON
Easting Nad83:
Zone: 18
Primary Water Use: Domestic
Sec. Water Use:
Pump Rate: 12 GPM
Flow Rate:

Lot: 011
Concession Name:
Municipality: GLOUCESTER TOWNSHIP
Northing Nad83:
Utm Reliability: unknown UTM
Construction Date: 10-SEP-79
Well Depth: 55 ft
Static Water Level: 18 ft
Clear/Cloudy: CLOUDY

Specific Capacity:
Construction Method: Air Percussion
Elevation (m):
Depth to Bedrock: 38

Water Type: FRESH

--- Details ---

Thickness: 38 ft
Material Colour: GREY
+
Thickness: 17 ft
Material Colour: GREY

Final Well Status: Water Supply
Flowing (y/n): N

Elevation Reliability:
Overburden/Bedrock: Bedrock
Casing Material: FRESH

Original Depth: 38 ft
Material: CLAY
Original Depth: 55 ft
Material: LIMESTONE

Database: [WWIS](#)

Site:

lot 11 con 1 ON

Well ID: 1531525
Concession: 01
County: OTTAWA-CARLETON
Easting Nad83:
Zone: 18
Primary Water Use: Domestic
Sec. Water Use:
Pump Rate: 15 GPM
Flow Rate:
Specific Capacity:
Construction Method: Rotary (Air)
Elevation (m):
Depth to Bedrock: 71
Water Type: Not stated

Lot: 011
Concession Name:
Municipality: GLOUCESTER TOWNSHIP
Northing Nad83:
Utm Reliability: unknown UTM
Construction Date: 13-SEP-00
Well Depth: 122 ft
Static Water Level: 42 ft
Clear/Cloudy: CLOUDY
Final Well Status: Water Supply
Flowing (y/n): N
Elevation Reliability:
Overburden/Bedrock: Bedrock
Casing Material: FRESH

--- Details ---

Thickness: 30 ft
Material Colour: GREY
+
Thickness: 41 ft
Material Colour: GREY
+
Thickness: 51 ft
Material Colour: GREY

Original Depth: 30 ft
Material: CLAY
Original Depth: 71 ft
Material: SAND, BOULDERS
Original Depth: 122 ft
Material: LIMESTONE

Database: [WWIS](#)

Site:

lot 20 ON

Well ID: 1527942
Concession:
County: OTTAWA-CARLETON
Easting Nad83:
Zone: 18
Primary Water Use:
Sec. Water Use:
Pump Rate: 25 GPM
Flow Rate:

Lot: 020
Concession Name:
Municipality: NEPEAN TOWNSHIP
Northing Nad83:
Utm Reliability: unknown UTM
Construction Date: 03-JUN-94
Well Depth: 97 ft
Static Water Level: 4 ft
Clear/Cloudy: CLOUDY

Specific Capacity:		Final Well Status:	
Construction Method:	Not Known	Flowing (y/n):	N
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:	16	Overburden/Bedrock:	Bedrock
Water Type:	FRESH	Casing Material:	FRESH, MINERAL

--- Details ---

Thickness:	16 ft	Original Depth:	16 ft
Material Colour:	GREY	Material:	CLAY, BOULDERS, PACKED
+			
Thickness:	54 ft	Original Depth:	70 ft
Material Colour:	GREY	Material:	LIMESTONE
+			
Thickness:	27 ft	Original Depth:	97 ft
Material Colour:	BLACK	Material:	LIMESTONE

Database: [WWIS](#) **Site:** lot 20 ON

Well ID:	1534331	Lot:	020
Concession:		Concession Name:	OF
County:	OTTAWA-CARLETON	Municipality:	GLOUCESTER TOWNSHIP
Easting Nad83:		Northing Nad83:	
Zone:	18	Utm Reliability:	unknown UTM
Primary Water Use:	Domestic	Construction Date:	25-SEP-03
Sec. Water Use:		Well Depth:	
Pump Rate:		Static Water Level:	
Flow Rate:		Clear/Cloudy:	
Specific Capacity:		Final Well Status:	Abandoned-Other
Construction Method:	Not Known	Flowing (y/n):	
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:		Overburden/Bedrock:	No formation data
Water Type:		Casing Material:	

Database: [WWIS](#) **Site:** lot 20 ON

Well ID:	1522704	Lot:	020
Concession:		Concession Name:	
County:	OTTAWA-CARLETON	Municipality:	GLOUCESTER TOWNSHIP
Easting Nad83:		Northing Nad83:	
Zone:	18	Utm Reliability:	unknown UTM
Primary Water Use:	Domestic	Construction Date:	23-SEP-88
Sec. Water Use:		Well Depth:	59 ft
Pump Rate:	30 GPM	Static Water Level:	10 ft
Flow Rate:		Clear/Cloudy:	CLOUDY
Specific Capacity:		Final Well Status:	Water Supply
Construction Method:	Cable Tool	Flowing (y/n):	N
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:	58	Overburden/Bedrock:	Bedrock
		Casing Material:	

Water Type: FRESH

Casing Material: FRESH

--- Details ---

Thickness: 10 ft
Material Colour: BROWN

+

Thickness: 30 ft
Material Colour: GREY

+

Thickness: 18 ft
Material Colour: GREY

+

Thickness: 1 ft
Material Colour: GREY

Original Depth: 10 ft
Material: SAND

Original Depth: 40 ft
Material: CLAY

Original Depth: 58 ft
Material: GRAVEL, SAND

Original Depth: 59 ft
Material: LIMESTONE

Database: [WWIS](#)

Site: lot 20 ON

Well ID: 1524118
Concession:
County: OTTAWA-CARLETON
Easting Nad83:
Zone: 18
Primary Water Use: Domestic
Sec. Water Use:
Pump Rate: 20 GPM
Flow Rate:
Specific Capacity:
Construction Method: Air Percussion
Elevation (m):
Depth to Bedrock: 26

Water Type: FRESH

--- Details ---

Thickness: 26 ft
Material Colour: GREY

+

Thickness: 37 ft
Material Colour: GREY

Lot: 020
Concession Name:
Municipality: GLOUCESTER TOWNSHIP
Northing Nad83:
Utm Reliability: unknown UTM
Construction Date: 04-OCT-89
Well Depth: 63 ft
Static Water Level: 8 ft
Clear/Cloudy: CLOUDY
Final Well Status: Recharge Well
Flowing (y/n): N

Elevation Reliability:
Overburden/Bedrock: Bedrock
k:
Casing Material: FRESH

Original Depth: 26 ft
Material: CLAY

Original Depth: 63 ft
Material: LIMESTONE

Database: [WWIS](#)

Site: lot 20 ON

Well ID: 1525335
Concession:
County: OTTAWA-CARLETON
Easting Nad83:
Zone: 18
Primary Water Use: Domestic
Sec. Water Use:
Pump Rate: 10 GPM
Flow Rate:
Specific Capacity:
Construction Method: Rotary (Air)

Lot: 020
Concession Name:
Municipality: GLOUCESTER TOWNSHIP
Northing Nad83:
Utm Reliability: unknown UTM
Construction Date: 06-DEC-90
Well Depth: 55 ft
Static Water Level: 20 ft
Clear/Cloudy: CLEAR
Final Well Status: Water Supply
Flowing (y/n): N

Elevation (m):		Elevation Reliability:	
Depth to Bedrock:	48	Overburden/Bedrock:	Bedrock
Water Type:	FRESH	Casing Material:	FRESH
--- Details ---			
Thickness:	14 ft	Original Depth:	14 ft
Material Colour:		Material:	CLAY
+			
Thickness:	16 ft	Original Depth:	30 ft
Material Colour:		Material:	HARDPAN
+			
Thickness:	18 ft	Original Depth:	48 ft
Material Colour:		Material:	GRAVEL, SAND
+			
Thickness:	7 ft	Original Depth:	55 ft
Material Colour:		Material:	LIMESTONE

Database:	WWIS	Site:	lot 20 ON
Well ID:	1524120	Lot:	020
Concession:		Concession Name:	
County:	OTTAWA-CARLETON	Municipality:	GLOUCESTER TOWNSHIP
Easting Nad83:		Northing Nad83:	
Zone:	18	Utm Reliability:	unknown UTM
Primary Water Use:	Domestic	Construction Date:	04-OCT-89
Sec. Water Use:		Well Depth:	63 ft
Pump Rate:	20 GPM	Static Water Level:	8 ft
Flow Rate:		Clear/Cloudy:	CLOUDY
Specific Capacity:		Final Well Status:	Water Supply
Construction Method:	Air Percussion	Flowing (y/n):	N
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:	27	Overburden/Bedrock:	Bedrock
Water Type:	FRESH	Casing Material:	FRESH, MINERIAL
--- Details ---			
Thickness:	27 ft	Original Depth:	27 ft
Material Colour:	GREY	Material:	CLAY
+			
Thickness:	36 ft	Original Depth:	63 ft
Material Colour:	GREY	Material:	LIMESTONE

Database:	WWIS	Site:	lot 21 ON
Well ID:	1519738	Lot:	021
Concession:		Concession Name:	
County:	OTTAWA-CARLETON	Municipality:	NEPEAN TOWNSHIP
Easting Nad83:		Northing Nad83:	
Zone:	18	Utm Reliability:	unknown UTM
Primary Water Use:	Domestic	Construction Date:	03-JUN-85
Sec. Water Use:		Well Depth:	165 ft
Pump Rate:	10 GPM	Static Water Level:	
Flow Rate:		Clear/Cloudy:	CLOUDY

Specific Capacity:		Final Well Status:	Water Supply
Construction Method:	Air Percussion	Flowing (y/n):	N
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:	112	Overburden/Bedrock:	Bedrock
Water Type:	FRESH	Casing Material:	FRESH, MINERIAL

--- Details ---

Thickness:	88 ft	Original Depth:	88 ft
Material Colour:	GREY	Material:	CLAY
+			
Thickness:	24 ft	Original Depth:	112 ft
Material Colour:	GREY	Material:	HARDPAN, STONES
+			
Thickness:	53 ft	Original Depth:	165 ft
Material Colour:	GREY	Material:	LIMESTONE

Database: [WWIS](#) **Site:** lot 9 ON

Well ID:	1530478	Lot:	009
Concession:		Concession Name:	
County:	OTTAWA-CARLETON	Municipality:	NEPEAN TOWNSHIP
Easting Nad83:		Northing Nad83:	
Zone:	18	Utm Reliability:	unknown UTM
Primary Water Use:	Domestic	Construction Date:	18-NOV-98
Sec. Water Use:		Well Depth:	190 ft
Pump Rate:	4 GPM	Static Water Level:	36 ft
Flow Rate:		Clear/Cloudy:	CLOUDY
Specific Capacity:		Final Well Status:	Water Supply
Construction Method:	Air Percussion	Flowing (y/n):	N
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:	49	Overburden/Bedrock:	Bedrock
Water Type:	Not stated	Casing Material:	FRESH, MINERIAL

--- Details ---

Thickness:	4 ft	Original Depth:	4 ft
Material Colour:		Material:	SAND
+			
Thickness:	45 ft	Original Depth:	49 ft
Material Colour:		Material:	CLAY, BOULDERS
+			
Thickness:	68 ft	Original Depth:	117 ft
Material Colour:	GREY	Material:	LIMESTONE
+			
Thickness:	73 ft	Original Depth:	190 ft
Material Colour:	GREY	Material:	SANDSTONE

Database: [WWIS](#) **Site:** lot 21 ON

Well ID:	1519741	Lot:	021
Concession:		Concession Name:	
County:	OTTAWA-CARLETON	Municipality:	NEPEAN TOWNSHIP

Easting Nad83:		Northing Nad83:	
Zone:	18	Utm Reliability:	unknown UTM
Primary Water Use:	Domestic	Construction Date:	16-MAY-85
Sec. Water Use:		Well Depth:	84 ft
Pump Rate:	30 GPM	Static Water Level:	0 ft
Flow Rate:		Clear/Cloudy:	CLEAR
Specific Capacity:		Final Well Status:	Water Supply
Construction Method:	Cable Tool	Flowing (y/n):	N
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:	81	Overburden/Bedrock:	Bedrock
Water Type:	FRESH	Casing Material:	FRESH, MINERIAL
--- Details ---			
Thickness:	16 ft	Original Depth:	16 ft
Material Colour:	BROWN	Material:	CLAY, PACKED
+			
Thickness:	49 ft	Original Depth:	65 ft
Material Colour:	BLUE	Material:	CLAY, LOOSE
+			
Thickness:	16 ft	Original Depth:	81 ft
Material Colour:	GREY	Material:	SAND, GRAVEL, BOULDERS
+			
Thickness:	3 ft	Original Depth:	84 ft
Material Colour:	GREY	Material:	LIMESTONE

Database: [WWIS](#)

Site:

lot 21 con 1 ON

Well ID:	1531407	Lot:	021
Concession:	01	Concession Name:	CON
County:	OTTAWA-CARLETON	Municipality:	GLOUCESTER TOWNSHIP
Easting Nad83:		Northing Nad83:	
Zone:	18	Utm Reliability:	unknown UTM
Primary Water Use:	Domestic	Construction Date:	27-SEP-00
Sec. Water Use:		Well Depth:	150 ft
Pump Rate:	6 GPM	Static Water Level:	32 ft
Flow Rate:		Clear/Cloudy:	CLOUDY
Specific Capacity:		Final Well Status:	Water Supply
Construction Method:	Rotary (Air)	Flowing (y/n):	N
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:	0	Overburden/Bedrock:	Overburden below Bedrock
Water Type:	Not stated	Casing Material:	FRESH, MINERIAL
--- Details ---			
Thickness:	12 ft	Original Depth:	12 ft
Material Colour:	BROWN	Material:	LIMESTONE
+			
Thickness:	20 ft	Original Depth:	32 ft
Material Colour:	BROWN	Material:	CLAY, SANDY
+			
Thickness:	26 ft	Original Depth:	58 ft
Material Colour:	GREY	Material:	SAND, STONES
+			
Thickness:	92 ft	Original Depth:	150 ft
Material Colour:	GREY	Material:	LIMESTONE, HARD

Database: **WWIS**

Site:

lot 9 ON

Well ID: 1520053
Concession:
County: OTTAWA-CARLETON
Easting Nad83:
Zone: 18
Primary Water Use: Domestic
Sec. Water Use:
Pump Rate: 100 GPM
Flow Rate:
Specific Capacity:
Construction Method: Air Percussion
Elevation (m):
Depth to Bedrock:

Water Type: FRESH

Lot: 009
Concession Name:
Municipality: NEPEAN TOWNSHIP
Northing Nad83:
Utm Reliability: unknown UTM
Construction Date: 29-AUG-85
Well Depth: 82 ft
Static Water Level: 1 ft
Clear/Cloudy: CLOUDY
Final Well Status: Water Supply
Flowing (y/n): N

Elevation Reliability:
Overburden/Bedrock: Overburden
k:
Casing Material: FRESH

--- Details ---

Thickness: 49 ft
Material Colour: GREY
+
Thickness: 29 ft
Material Colour: GREY
+
Thickness: 4 ft
Material Colour: GREY

Original Depth: 49 ft
Material: CLAY

Original Depth: 78 ft
Material: HARDPAN, GRAVEL

Original Depth: 82 ft
Material: GRAVEL

Database: **WWIS**

Site:

lot 9 ON

Well ID: 1528160
Concession:
County: OTTAWA-CARLETON
Easting Nad83:
Zone: 18
Primary Water Use: Domestic
Sec. Water Use:
Pump Rate: 18 GPM
Flow Rate:
Specific Capacity:
Construction Method: Air Percussion
Elevation (m):
Depth to Bedrock: 30

Water Type: Not stated

Lot: 009
Concession Name:
Municipality: GLOUCESTER TOWNSHIP
Northing Nad83:
Utm Reliability: unknown UTM
Construction Date: 23-AUG-94
Well Depth: 63 ft
Static Water Level: 14 ft
Clear/Cloudy: CLOUDY
Final Well Status: Water Supply
Flowing (y/n): N

Elevation Reliability:
Overburden/Bedrock: Bedrock
k:
Casing Material: FRESH, MINERIAL

--- Details ---

Thickness: 9 ft
Material Colour: GREY
+
Thickness: 21 ft
Material Colour: GREY

Original Depth: 9 ft
Material: CLAY

Original Depth: 30 ft
Material: CLAY, STONES, GRAVEL

+			
Thickness:	33 ft	Original Depth:	63 ft
Material Colour:	GREY	Material:	LIMESTONE

Database: **WWIS** **Site:** **lot 9 ON**

Well ID:	1521954	Lot:	009
Concession:		Concession Name:	
County:	OTTAWA-CARLETON	Municipality:	NEPEAN TOWNSHIP
Easting Nad83:		Northing Nad83:	
Zone:	18	Utm Reliability:	unknown UTM
Primary Water Use:	Domestic	Construction Date:	28-SEP-87
Sec. Water Use:	Cooling And A/C	Well Depth:	275 ft
Pump Rate:	25 GPM	Static Water Level:	12 ft
Flow Rate:		Clear/Cloudy:	CLEAR
Specific Capacity:		Final Well Status:	Water Supply
Construction Method:	Air Percussion	Flowing (y/n):	N
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:	6	Overburden/Bedrock:	Bedrock
Water Type:	SALTY	Casing Material:	

--- Details ---

Thickness:	6 ft	Original Depth:	6 ft
Material Colour:	BROWN	Material:	CLAY, STONES, PACKED
+		Original Depth:	170 ft
Thickness:	164 ft	Material:	LIMESTONE, MEDIUM-GRAINED, SOFT
Material Colour:	GREY		
+		Original Depth:	275 ft
Thickness:	105 ft	Material:	SANDSTONE, MEDIUM-GRAINED
Material Colour:	GREY		

Database: **WWIS** **Site:** **lot 9 ON**

Well ID:	1520604	Lot:	009
Concession:		Concession Name:	
County:	OTTAWA-CARLETON	Municipality:	GLOUCESTER TOWNSHIP
Easting Nad83:		Northing Nad83:	
Zone:	18	Utm Reliability:	unknown UTM
Primary Water Use:	Domestic	Construction Date:	05-JUN-86
Sec. Water Use:		Well Depth:	105 ft
Pump Rate:	50 GPM	Static Water Level:	15 ft
Flow Rate:		Clear/Cloudy:	CLOUDY
Specific Capacity:		Final Well Status:	Water Supply
Construction Method:	Air Percussion	Flowing (y/n):	N
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:	25	Overburden/Bedrock:	Bedrock
Water Type:	FRESH	Casing Material:	FRESH, MINERIAL

--- Details ---

Thickness:	13 ft	Original Depth:	13 ft
-------------------	-------	------------------------	-------

Material Colour: GREY
+
Thickness: 12 ft
Material Colour: GREY
+
Thickness: 70 ft
Material Colour: GREY
+
Thickness: 10 ft
Material Colour: WHITE

Material: CLAY
Original Depth: 25 ft
Material: HARDPAN, STONES
Original Depth: 95 ft
Material: LIMESTONE
Original Depth: 105 ft
Material: SANDSTONE

Appendix: Database Descriptions

*Ecolog Environmental Risk Information Services Ltd (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. **Note:** Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.*

Abandoned Aggregate Inventory:

Provincial [AAGR](#)

The MAAP Program maintains a database of 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.*

*Government Publication Date: Sept 2002**

Aggregate Inventory:

Provincial [AGR](#)

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Mar 2015

Abandoned Mine Information System:

Provincial [AMIS](#)

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Government Publication Date: 1800-Oct 2014

Anderson's Waste Disposal Sites:

Private [ANDR](#)

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Automobile Wrecking & Supplies:

Private [AUWR](#)

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Government Publication Date: 2001-Jul 2014

Borehole:Provincial [BORE](#)

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

Government Publication Date: 1875-Jul 2014

Certificates of Approval:Provincial [CA](#)

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

*Government Publication Date: 1985-Oct 30, 2011**

Commercial Fuel Oil Tanks:Provincial [CFOT](#)

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

Government Publication Date: 1948-Dec 2015

Chemical Register:Private [CHEM](#)

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: 1992, 1999-Jul 2014

Inventory of Coal Gasification Plants and Coal Tar Sites:Provincial [COAL](#)

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

*Government Publication Date: Apr 1987 and Nov 1988**

Compliance and Convictions:Provincial [CONV](#)

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Feb 2014

Certificates of Property Use:Provincial [CPU](#)

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

Government Publication Date: 1994-Jan 2016

Drill Hole Database:Provincial [DRL](#)

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

Government Publication Date: 1886-Jun 2014

Environmental Activity and Sector Registry:Provincial [EASR](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 31 2011-Oct 2015

Environmental Registry:Provincial [EBR](#)

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994-Jan 2016

Environmental Compliance Approval:Provincial [ECA](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 31, 2011-Jun 2015

Environmental Effects Monitoring:Federal [EEM](#)

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

*Government Publication Date: 1992-2007**

ERIS Historical Searches:Private [EHS](#)

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Aug 2014

Environmental Issues Inventory System:

Federal EIS

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 EIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

*Government Publication Date: 1992-2001**

Emergency Management Historical Event:

Provincial EMHE

The Emergency Management Historical Event data class will store the locations of historical occurrences of emergency events. Events captured will include those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance.

Government Publication Date: May 31, 2014

List of TSSA Expired Facilities:

Provincial EXP

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

Government Publication Date: Current to Nov 2015

Federal Convictions:

Federal FCON

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

*Government Publication Date: 1988-Jun 2007**

Waste Generators Summary:

Federal FCS

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government.

Government Publication Date: June 2000-Oct 2015

Fisheries & Oceans Fuel Tanks:

Federal FOFT

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sept 2003

Fuel Storage Tank:

Provincial FST

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

Government Publication Date: 2010-Nov 2015

Fuel Storage Tank - Historic:Provincial **FSTH**

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.

*Government Publication Date: Pre-Jan 2010**

Ontario Regulation 347 Waste Generators Summary:Provincial **GEN**

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-May 2015

Greenhouse Gas Emissions from Large Facilities:Federal **GHG**

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO₂ eq).

Government Publication Date: Dec 31, 2013

TSSA Historic Incidents:Provincial **HINC**

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

*Government Publication Date: 2006-June 2009**

Indian & Northern Affairs Fuel Tanks:Federal **IAFT**

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

*Government Publication Date: 1950-Aug 2003**

TSSA Incidents:Provincial **INC**

TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Government Publication Date: June 2009 - Nov 2015

Landfill Inventory Management Ontario:Provincial [LIMO](#)

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills will include information such as site owner, site location and certificate of approval # and status.

*Government Publication Date: 2012***Canadian Mine Locations:**Private [MINE](#)

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

*Government Publication Date: 1998-2009****Mineral Occurrences:**Provincial [MNR](#)

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

*Government Publication Date: 1846-Apr 2013***National Analysis of Trends in Emergencies System (NATES):**Federal [NATE](#)

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

*Government Publication Date: 1974-1994****Non-Compliance Reports:**Provincial [NCPL](#)

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

*Government Publication Date: 1994-2013***National Defense & Canadian Forces Fuel Tanks:**Federal [NDFT](#)

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

*Government Publication Date: Up to May 2001**

National Defense & Canadian Forces Spills:Federal [NDSP](#)

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

Government Publication Date: Mar 1999-Aug 2010

National Defence & Canadian Forces Waste Disposal Sites:Federal [NDWD](#)

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

*Government Publication Date: 2001-Apr 2007**

National Energy Board Wells:Federal [NEBW](#)

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

*Government Publication Date: 1920-Feb 2003**

National Environmental Emergencies System (NEES):Federal [NEES](#)

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

*Government Publication Date: 1974-2003**

National PCB Inventory:Federal [NPCB](#)

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

*Government Publication Date: 1988-2008**

National Pollutant Release Inventory:Federal [NPRI](#)

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

Government Publication Date: 1993-2013

Oil and Gas Wells:Private [OGW](#)

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-2015

Ontario Oil and Gas Wells:Provincial [OOGW](#)

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Aug 2015

Inventory of PCB Storage Sites:Provincial [OPCB](#)

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Orders:Provincial [ORD](#)

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994-Jan 2016

Canadian Pulp and Paper:Private [PAP](#)

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009

Parks Canada Fuel Storage Tanks:Federal [PCFT](#)

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

*Government Publication Date: 1920-Jan 2005**

Pesticide Register:Provincial [PES](#)

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

Government Publication Date: 1988-Jun 2013

TSSA Pipeline Incidents:Provincial [PINC](#)

TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

Government Publication Date: June 2009-2014

Private and Retail Fuel Storage Tanks:Provincial [PRT](#)

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

*Government Publication Date: 1989-1996**

Permit to Take Water:Provincial [PTTW](#)

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994-Jan 2016

Ontario Regulation 347 Waste Receivers Summary:Provincial [REC](#)

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-2013

Record of Site Condition:Provincial [RSC](#)

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Jan 2016

Retail Fuel Storage Tanks:Private [RST](#)

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

Government Publication Date: 1999-Jul 2014

Scott's Manufacturing Directory:Private [SCT](#)

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

*Government Publication Date: 1992-Mar 2011**

Ontario Spills:Provincial [SPL](#)

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.

Government Publication Date: 1988-Jun 2015

Wastewater Discharger Registration Database:Provincial [SRDS](#)

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-2013

Anderson's Storage Tanks:

Private TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

*Government Publication Date: 1915-1953**

Transport Canada Fuel Storage Tanks:

Federal TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970-Mar 2007

TSSA Variances for Abandonment of Underground Storage Tanks:

Provincial VAR

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

Government Publication Date: Current to Nov 2015

Waste Disposal Sites - MOE CA Inventory:

Provincial WDS

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: 1970-Jun 2015

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial WDSH

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

*Government Publication Date: Up to Oct 1990**

Water Well Information System:

Provincial WWIS

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: 1955-Mar 2014

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries". All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and were included as reference.

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

PROJECT NUMBER: 20160525115	
Site Address:	55 Lodge Road, Ottawa, Ontario
Year: 2011	
Site Listing:	-Multi-Tenant Residential
Adjacent Properties:	
14 Lodge Road	-Address Not Listed
18 Lodge Road	-Address Not Listed
20 Lodge Road	-Res (1 Tenant)
3889 Rideau Valley Drive	-Stewardship Ottawa-Carleton -Rideau Valley Conservation -Rideau Valley Construction

111 Willow Creek Circle	-Res (1 Tenant)
113 Willow Creek Circle	-Res (1 Tenant)
3561 Woodroffe Avenue	-Address Not Listed
3566 Woodroffe Avenue	-Address Not Listed
3600 Woodroffe Avenue	-Res (2 Tenants)

PROJECT NUMBER: 20160525115	
Site Address:	55 Lodge Road, Ottawa, Ontario
Year: 2006-07	
Site Listing:	-Multi-Tenant Residential
Adjacent Properties:	
14 Lodge Road	-Res (1 Tenant)
18 Lodge Road	-Address Not Listed
20 Lodge Road	-Res (1 Tenant)

3889 Rideau Valley Drive	-Address Not Listed
111 Willow Creek Circle	-Address Not Listed
113 Willow Creek Circle	-Res (1 Tenant)
3561 Woodroffe Avenue	-Address Not Listed
3566 Woodroffe Avenue	-Address Not Listed
3600 Woodroffe Avenue	-Res (2 Tenants)

PROJECT NUMBER: 20160525115	
Site Address:	55 Lodge Road, Ottawa, Ontario
Year: 2001-02	
Site Listing:	-Multi-Tenant Residential
Adjacent Properties:	
14 Lodge Road	-Address Not Listed
18 Lodge Road	-Address Not Listed
20 Lodge Road	-Address Not Listed

3889 Rideau Valley Drive	-Address Not Listed
111 Willow Creek Circle	-Address Not Listed
113 Willow Creek Circle	-Address Not Listed
3561 Woodroffe Avenue	-Address Not Listed
3566 Woodroffe Avenue	-Address Not Listed
3600 Woodroffe Avenue	-Res (1 Tenant)

PROJECT NUMBER: 20160525115	
Site Address:	55 Lodge Road, Ottawa, Ontario
Year: 1996-97	
Site Listing:	-Multi-Tenant Residential
Adjacent Properties:	
14 Lodge Road	-Res (1 Tenant)
18 Lodge Road	-Address Not Listed

20 Lodge Road	-Address Not Listed
3889 Rideau Valley Drive	-Address Not Listed
111 Willow Creek Circle	-Address Not Listed
113 Willow Creek Circle	-Address Not Listed
3561 Woodroffe Avenue	-Address Not Listed
3566 Woodroffe Avenue	-Address Not Listed
3600 Woodroffe Avenue	-Res (1 Tenant)

PROJECT NUMBER: 20160525115	
Site Address:	55 Lodge Road, Ottawa, Ontario
Year: 1992	
Site Listing:	-Multi-Tenant Residential
Adjacent Properties:	
14 Lodge Road	-Res (1 Tenant)
18 Lodge Road	-Address Not Listed

20 Lodge Road	-Address Not Listed
3889 Rideau Valley Drive	-Address Not Listed
111 Willow Creek Circle	-Address Not Listed
113 Willow Creek Circle	-Address Not Listed
3561 Woodroffe Avenue	-Address Not Listed
3566 Woodroffe Avenue	-Address Not Listed
3600 Woodroffe Avenue	-Res (1 Tenant)

PROJECT NUMBER: 20160525115	
Site Address:	55 Lodge Road, Ottawa, Ontario
Year: 1987	
Site Listing:	-Address Not Listed
Adjacent Properties:	
14 Lodge Road	-Address Not Listed

18 Lodge Road	-Address Not Listed
20 Lodge Road	-Address Not Listed
3889 Rideau Valley Drive	-Address Not Listed
111 Willow Creek Circle	-Address Not Listed
113 Willow Creek Circle	-Address Not Listed
3561 Woodroffe Avenue	-Address Not Listed
3566 Woodroffe Avenue	-Address Not Listed
3600 Woodroffe Avenue	-Address Not Listed

PROJECT NUMBER: 20160525115	
Site Address:	55 Lodge Road, Ottawa, Ontario
Year: 1981-82	
Site Listing:	-Address Not Listed
Adjacent Properties:	
14 Lodge Road	-Address Not Listed

18 Lodge Road	-Address Not Listed
20 Lodge Road	-Address Not Listed
3889 Rideau Valley Drive	-Address Not Listed
111 Willow Creek Circle	-Address Not Listed
113 Willow Creek Circle	-Address Not Listed
3561 Woodroffe Avenue	-Address Not Listed
3566 Woodroffe Avenue	-Address Not Listed
3600 Woodroffe Avenue	-Address Not Listed

PROJECT NUMBER: 20160525115	
Site Address:	55 Lodge Road, Ottawa, Ontario
Year: 1976	
Site Listing:	-Address Not Listed
Adjacent Properties:	

14 Lodge Road	-Address Not Listed
18 Lodge Road	-Address Not Listed
20 Lodge Road	-Address Not Listed
3889 Rideau Valley Drive	-Address Not Listed
111 Willow Creek Circle	-Address Not Listed
113 Willow Creek Circle	-Address Not Listed
3561 Woodroffe Avenue	-Address Not Listed
3566 Woodroffe Avenue	-Address Not Listed
3600 Woodroffe Avenue	-Address Not Listed

PROJECT NUMBER: 20160525115	
Site Address:	55 Lodge Road, Ottawa, Ontario
Year: 1971	
Site Listing:	-Address Not Listed
Adjacent Properties:	

14 Lodge Road	-Address Not Listed
18 Lodge Road	-Address Not Listed
20 Lodge Road	-Address Not Listed
3889 Rideau Valley Drive	-Address Not Listed
111 Willow Creek Circle	-Address Not Listed
113 Willow Creek Circle	-Address Not Listed
3561 Woodroffe Avenue	-Address Not Listed
3566 Woodroffe Avenue	-Address Not Listed
3600 Woodroffe Avenue	-Address Not Listed

PROJECT NUMBER: 20160525115	
Site Address:	55 Lodge Road, Ottawa, Ontario
Year: 1966	
Site Listing:	-Address Not Listed

Adjacent Properties:	
14 Lodge Road	-Address Not Listed
18 Lodge Road	-Address Not Listed
20 Lodge Road	-Address Not Listed
3889 Rideau Valley Drive	-Address Not Listed
111 Willow Creek Circle	-Address Not Listed
113 Willow Creek Circle	-Address Not Listed
3561 Woodroffe Avenue	-Address Not Listed
3566 Woodroffe Avenue	-Address Not Listed
3600 Woodroffe Avenue	-Address Not Listed

PROJECT NUMBER: 20160525115	
Site Address:	55 Lodge Road, Ottawa, Ontario
Year: 1961	
Site Listing:	-Address Not Listed

Adjacent Properties:	
14 Lodge Road	-Address Not Listed
18 Lodge Road	-Address Not Listed
20 Lodge Road	-Address Not Listed
3889 Rideau Valley Drive	-Address Not Listed
111 Willow Creek Circle	-Address Not Listed
113 Willow Creek Circle	-Address Not Listed
3561 Woodroffe Avenue	-Address Not Listed
3566 Woodroffe Avenue	-Address Not Listed
3600 Woodroffe Avenue	-Address Not Listed

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

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

Attn: Wilham Tackey / Eric Wilson (1)

ENVIRONMENTAL SEARCH

Re: 2016 0525115 - 55 Lodge Rd.

INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER
	Patent	Feb 25 1809	Crown	Ottawa Robert Rendell (Lots 10 & 11, Con. 1, R.F.)
R069	Sheriff Sale	May 16 1822	Sheriff Stewart	Jervis P. Sherwood
R05367	Partition Deed	Oct 7 1850	Heirs of Jervis P. Sherwood	Charlotte Emaley
R05452	Suit Claim Deed	Oct 12 1877	Charlotte Emaley	Hon. George Sherwood
NP5673	Deed	Feb 7 1878	Hon. George Sherwood	William M. Dawson
NP15044	Deed	Oct 18 1890	John Dawson (Heirs William M. Dawson)	Amelia M. Dawson
NP15225	Fore- closure	Mar 12 1891	High Court of Justice	Henry N. Bate
NP15282	Deed	Apr 21 1891	Henry N. Bate	John Fleming

ENVIRONMENTAL SEARCH

INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER
NP 18503	Deed	Apr 18 1900	John Tierney	John J. Tierney
NP 24502	Deed	July 12 1911	John J. Tierney	Joshua Clothier Norman W. Rivington
NP 31134	Deed	Mar 31 1917	Joshua Clothier	Norman W. Rivington
NP 31622	Deed	Nov 7 1917	Norman W. Rivington	Albert W. Davidson
CR 367722	Deed	Jan 13 1958	Albert W. Davidson	Corporation of the County of Carleton (Current owner - part)
CR 367724	Deed (Quit Claim)	Jan 13 1958	Albert W. Davidson	Corporation of the County of Carleton (Current owner - part)
CR 367725	Deed	Jan 13 1958	Albert W. Davidson	Corporation of the County of Carleton (Current owner - part)
* Note - effective January 1, 2001, the County of Carleton became part of the City of Ottawa - Government Bill - no instrument registered				

[illegible]



FIRE INSURANCE MAP RESEARCH RESULTS

Date: 5/31/2016

Order Number: 20160525115

55 Lodge Rd, Ottawa, ON, K2C3H1

ERIS has searched our in-house collection of Fire Insurance Maps for the address at:
55 Lodge Rd, Ottawa, ON, K2C3H1

Please note that no information was found for your site or adjacent properties.

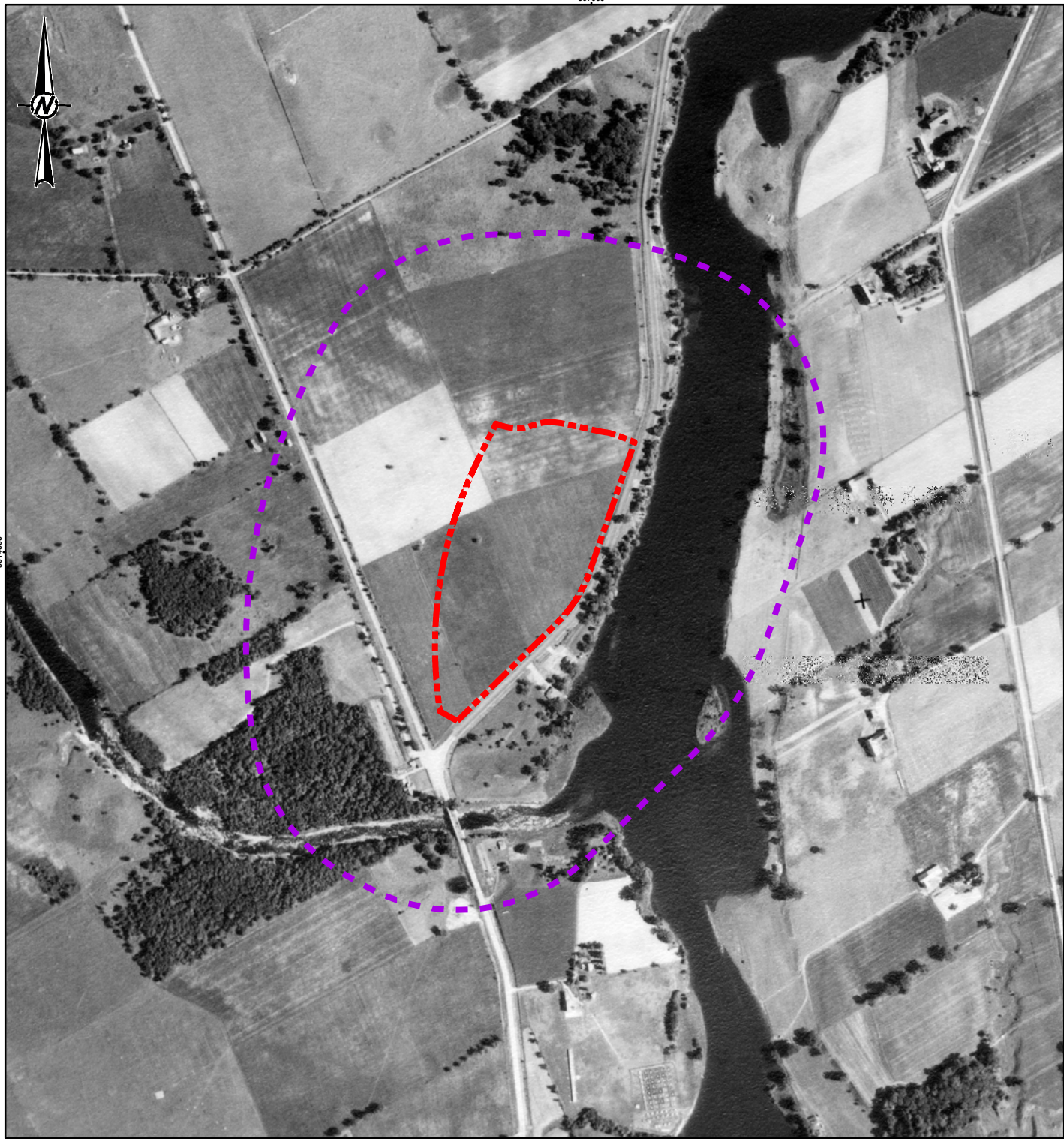
If you have any questions regarding the enclosed information, please do not hesitate to contact us.

Individual Fire Insurance Maps for the subject property and/or adjacent sites are included with the ERIS environmental database report to be used for research purposes only and cannot be resold for any other commercial uses other than for use in a Phase I environmental assessment.



APPENDIX D

Aerial Photographs

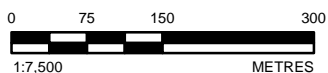


LEGEND



PHASE ONE STUDY AREA

PHASE ONE SITE BOUNDARY



NOTE(S)

1. THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 1537295.

REFERENCE(S)

1. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: MTM ZONE 9 VERTICAL DATUM: CGVD28

CLIENT

CITY OF OTTAWA

PROJECT

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
PROPOSED OTTAWA POLICE SERVICE SOUTH CAMPUS FACILITY
55 LODGE ROAD, OTTAWA, ONTARIO

TITLE

1936 AIR PHOTO

CONSULTANT



YYYY-MM-DD 2016-05-18

DESIGNED ----

PREPARED JEM

REVIEWED AW

APPROVED EDW

PROJECT NO.
1537295

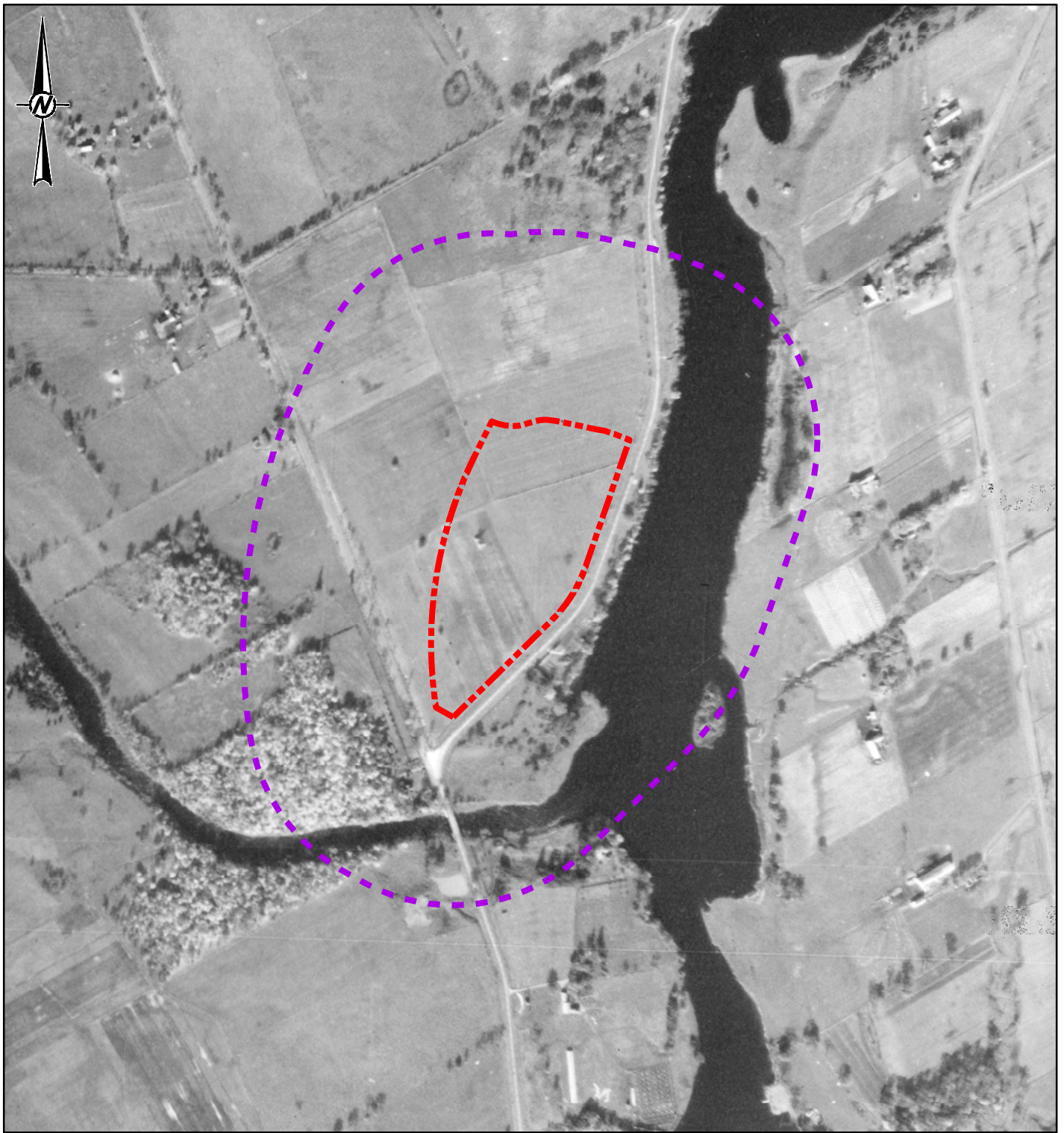
PHASE
2000

REV.
0



FIGURE
D1

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM:

25mm



LEGEND

-  PHASE ONE STUDY AREA
-  PHASE ONE SITE BOUNDARY



NOTE(S)

1. THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 1537295.

REFERENCE(S)

1. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: MTM ZONE 9 VERTICAL DATUM: CGVD28

CLIENT

CITY OF OTTAWA

PROJECT

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
PROPOSED OTTAWA POLICE SERVICE SOUTH CAMPUS FACILITY
55 LODGE ROAD, OTTAWA, ONTARIO

TITLE

1945 AIR PHOTO

CONSULTANT



YYYY-MM-DD 2016-05-18

DESIGNED ----

PREPARED JEM

REVIEWED AW

APPROVED EDW

PROJECT NO.
1537295

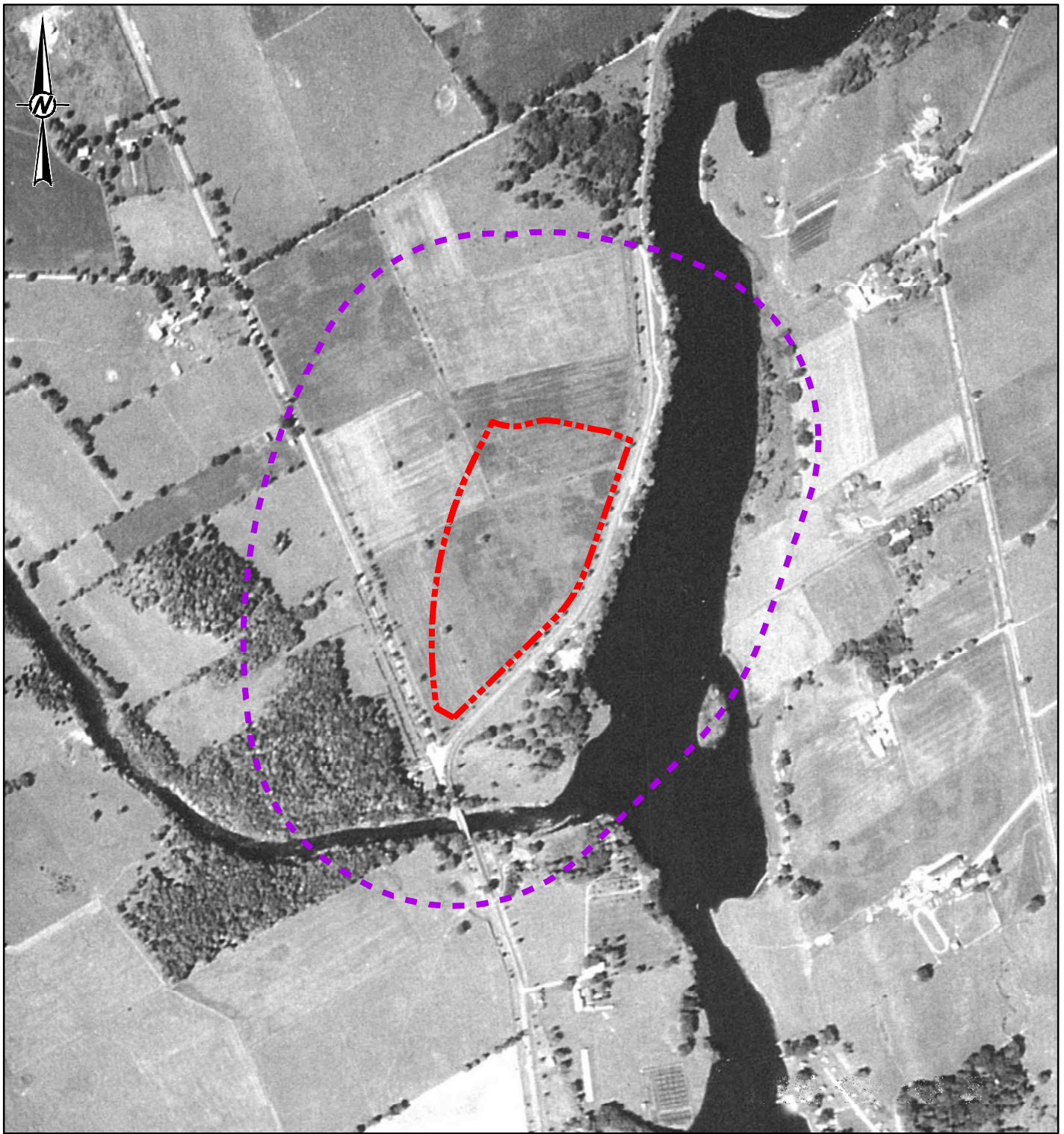
PHASE
2000

REV.
0



FIGURE
D2

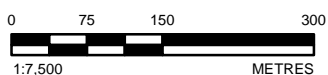
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM:

25mm



LEGEND

-  PHASE ONE STUDY AREA
-  PHASE ONE SITE BOUNDARY



NOTE(S)

1. THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 1537295.

REFERENCE(S)

1. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: MTM ZONE 9 VERTICAL DATUM: CGVD28

CLIENT

CITY OF OTTAWA

PROJECT

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
PROPOSED OTTAWA POLICE SERVICE SOUTH CAMPUS FACILITY
55 LODGE ROAD, OTTAWA, ONTARIO

TITLE

1952 AIR PHOTO

CONSULTANT



YYYY-MM-DD 2016-05-18

DESIGNED ----

PREPARED JEM

REVIEWED AW

APPROVED EDW

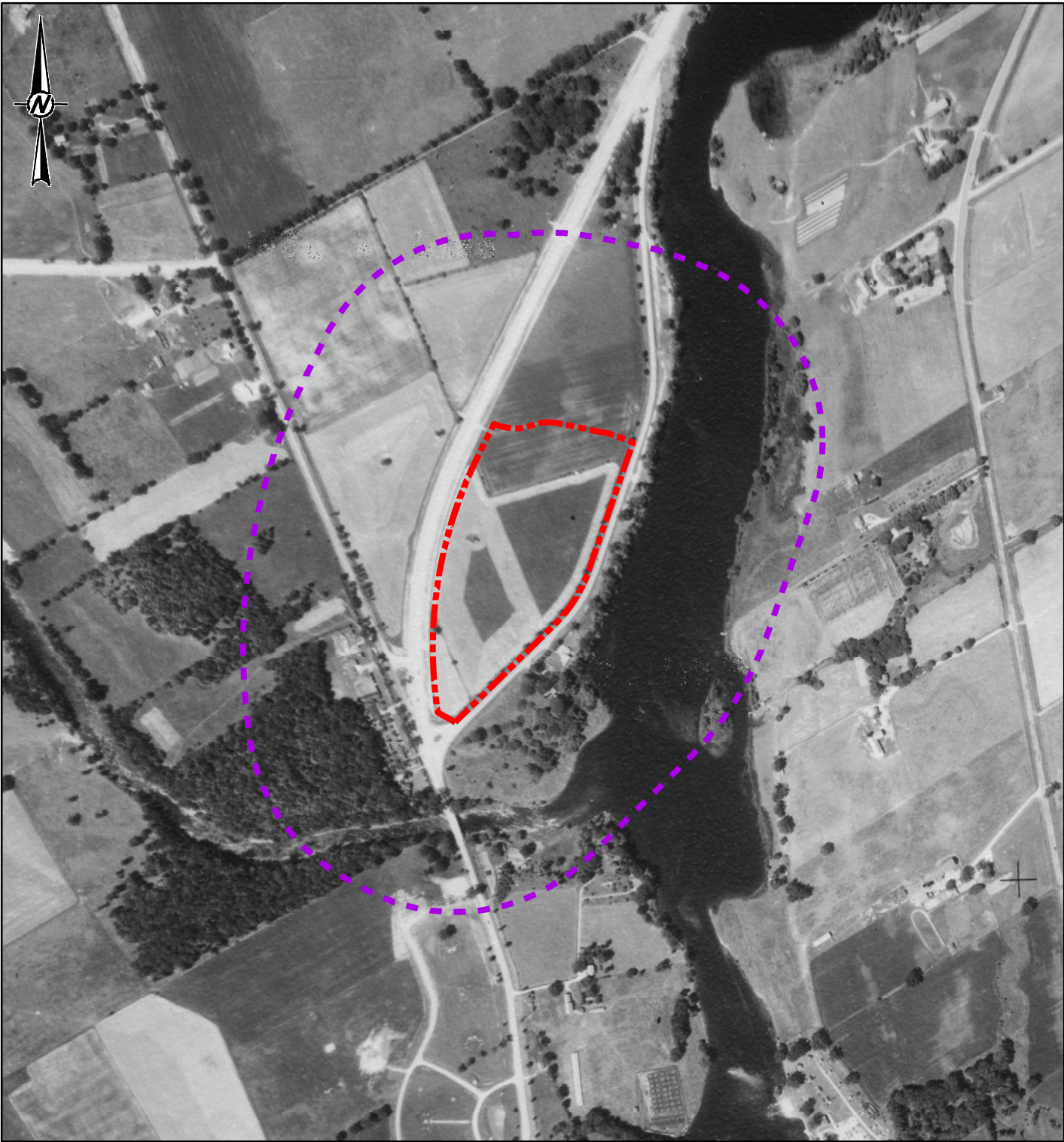
PROJECT NO.
1537295

PHASE
2000

REV.
0

FIGURE
D3

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: 25mm

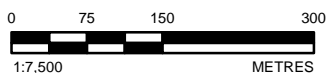


LEGEND



PHASE ONE STUDY AREA

PHASE ONE SITE BOUNDARY



NOTE(S)

1. THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 1537295.

REFERENCE(S)

1. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: MTM ZONE 9 VERTICAL DATUM: CGVD28

CLIENT

CITY OF OTTAWA

PROJECT

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
PROPOSED OTTAWA POLICE SERVICE SOUTH CAMPUS FACILITY
55 LODGE ROAD, OTTAWA, ONTARIO

TITLE

1956 AIR PHOTO

CONSULTANT



YYYY-MM-DD 2016-05-18

DESIGNED ----

PREPARED JEM

REVIEWED AW

APPROVED EDW

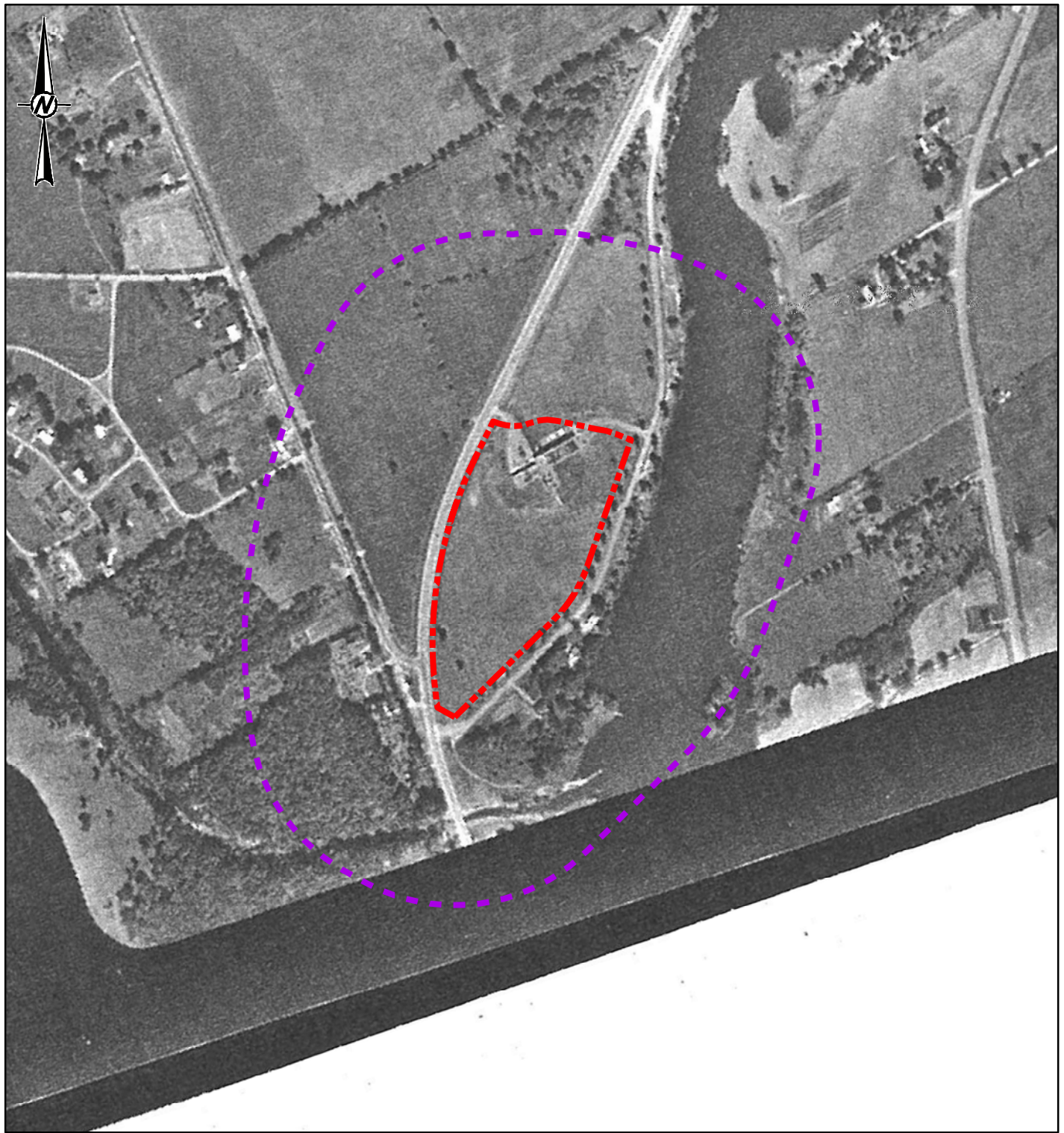
PROJECT NO.
1537295

PHASE
2000



REV.
0

FIGURE
D4

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: 25mm



LEGEND

-  PHASE ONE STUDY AREA
-  PHASE ONE SITE BOUNDARY



NOTE(S)

1. THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 1537295.

REFERENCE(S)

1. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: MTM ZONE 9 VERTICAL DATUM: CGVD28

CLIENT

CITY OF OTTAWA

PROJECT

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
PROPOSED OTTAWA POLICE SERVICE SOUTH CAMPUS FACILITY
55 LODGE ROAD, OTTAWA, ONTARIO

TITLE

1965 AIR PHOTO

CONSULTANT



YYYY-MM-DD 2016-05-18

DESIGNED ----

PREPARED JEM

REVIEWED AW

APPROVED EDW

PROJECT NO.
1537295

PHASE
2000

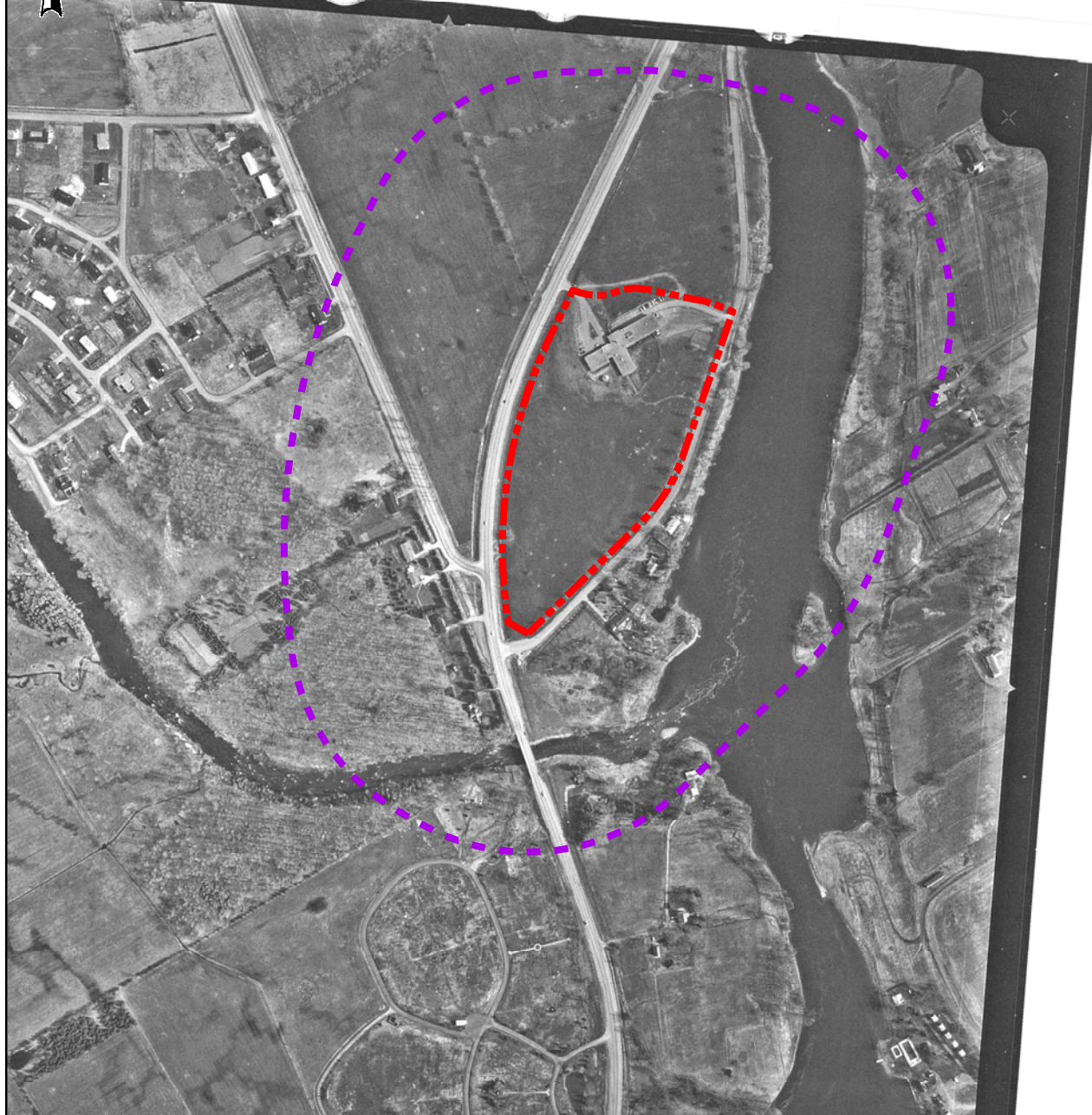
REV.
0

FIGURE
D5

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: 25mm



422228

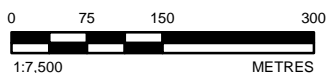


LEGEND



PHASE ONE STUDY AREA

PHASE ONE SITE BOUNDARY



NOTE(S)

1. THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 1537295.

REFERENCE(S)

1. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: MTM ZONE 9 VERTICAL DATUM: CGVD28

CLIENT

CITY OF OTTAWA

PROJECT

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
PROPOSED OTTAWA POLICE SERVICE SOUTH CAMPUS FACILITY
55 LODGE ROAD, OTTAWA, ONTARIO

TITLE

1970 AIR PHOTO

CONSULTANT



YYYY-MM-DD 2016-05-18

DESIGNED ----

PREPARED JEM

REVIEWED AW

APPROVED EDW

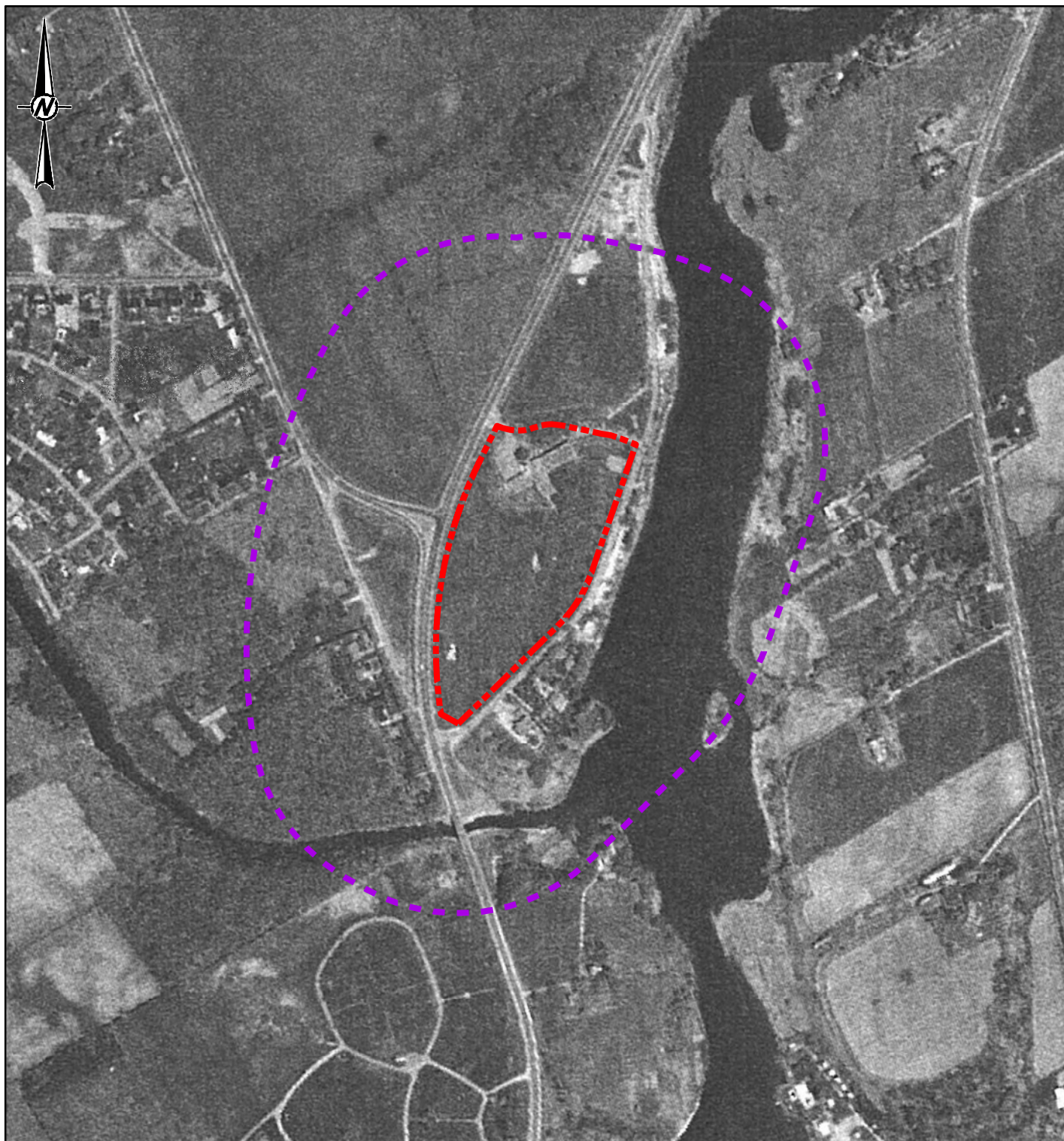
PROJECT NO.
1537295

PHASE
2000

REV.
0

FIGURE
D6

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: 25mm

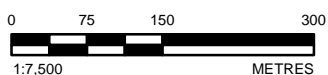


LEGEND



PHASE ONE STUDY AREA

PHASE ONE SITE BOUNDARY



NOTE(S)

1. THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 1537295.

REFERENCE(S)

1. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: MTM ZONE 9 VERTICAL DATUM: CGVD28

CLIENT

CITY OF OTTAWA

PROJECT

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
PROPOSED OTTAWA POLICE SERVICE SOUTH CAMPUS FACILITY
55 LODGE ROAD, OTTAWA, ONTARIO

TITLE

1975 AIR PHOTO

CONSULTANT



YYYY-MM-DD 2016-05-18

DESIGNED ----

PREPARED JEM

REVIEWED AW

APPROVED EDW

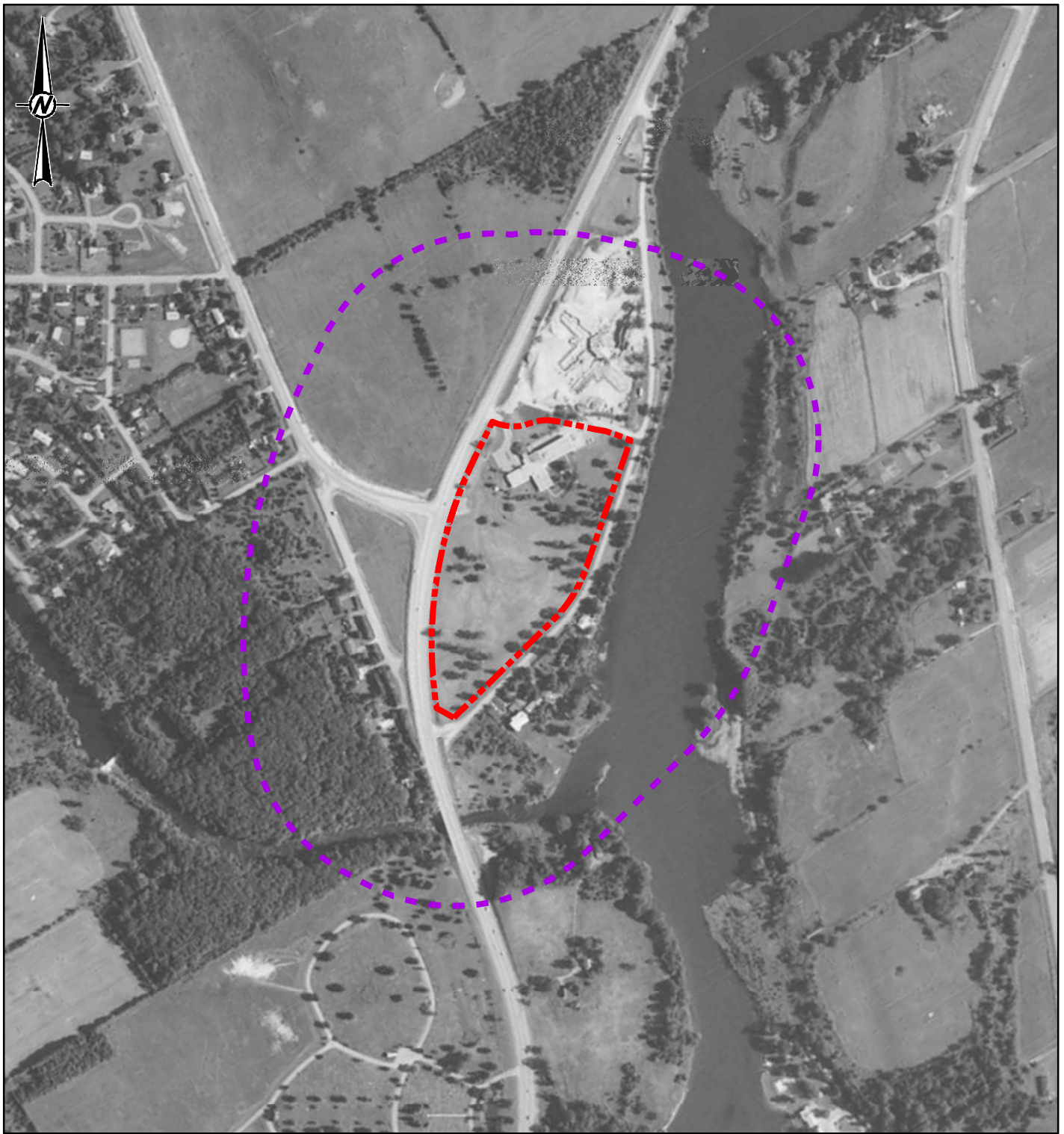
PROJECT NO.
1537295

PHASE
2000



REV.
0

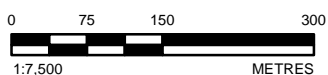
FIGURE
D7

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: 25mm



LEGEND

-  PHASE ONE STUDY AREA
-  PHASE ONE SITE BOUNDARY



NOTE(S)

1. THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 1537295.

REFERENCE(S)

1. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: MTM ZONE 9 VERTICAL DATUM: CGVD28

CLIENT

CITY OF OTTAWA

PROJECT

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
PROPOSED OTTAWA POLICE SERVICE SOUTH CAMPUS FACILITY
55 LODGE ROAD, OTTAWA, ONTARIO

TITLE

1987 AIR PHOTO

CONSULTANT



YYYY-MM-DD 2016-05-18

DESIGNED ----

PREPARED JEM

REVIEWED AW

APPROVED EDW

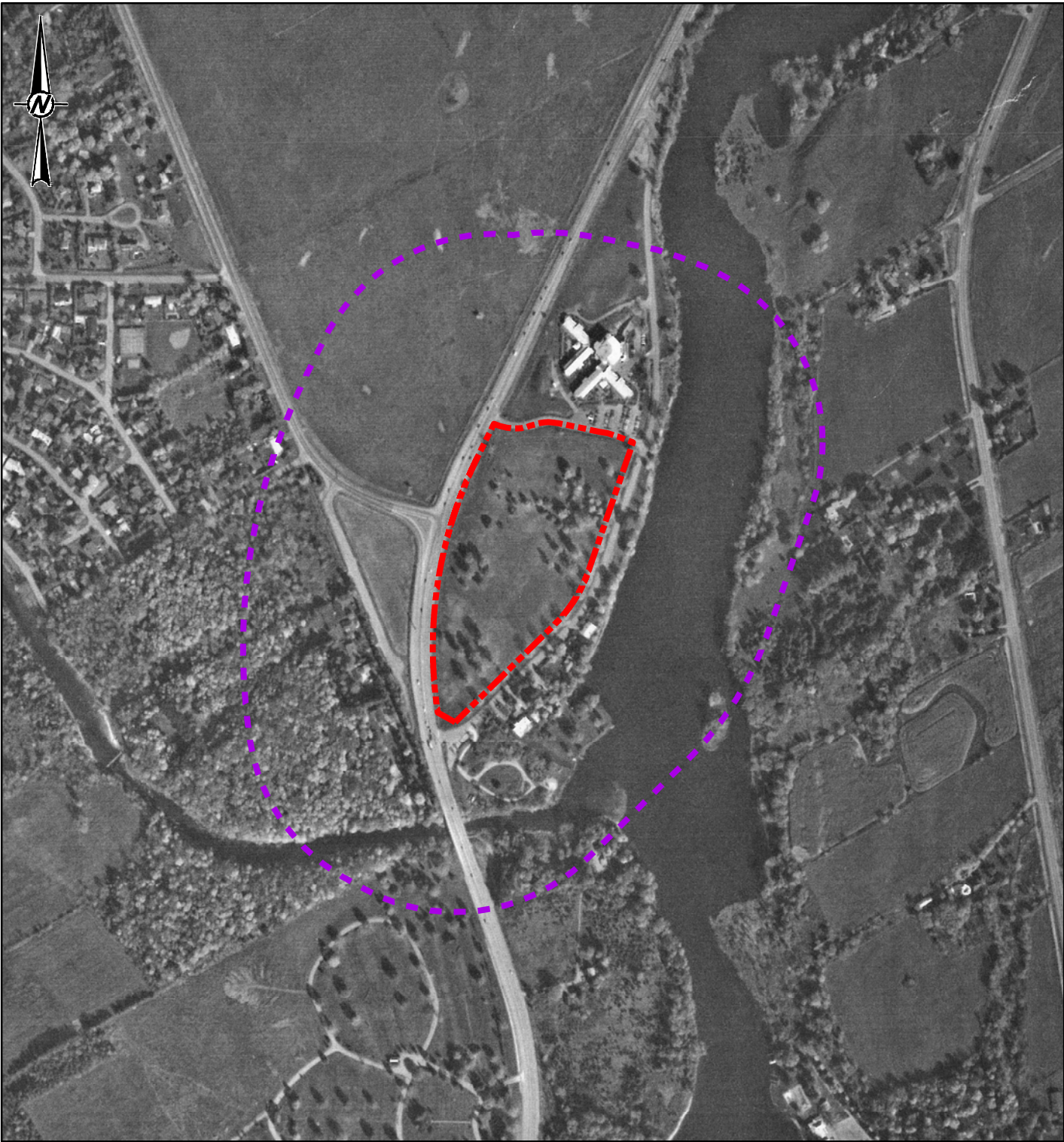
PROJECT NO.
1537295

PHASE
2000

REV.
0

FIGURE
D8

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: 25mm

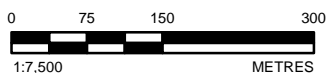


LEGEND



PHASE ONE STUDY AREA

PHASE ONE SITE BOUNDARY



NOTE(S)

1. THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 1537295.

REFERENCE(S)

1. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: MTM ZONE 9 VERTICAL DATUM: CGVD28

CLIENT

CITY OF OTTAWA

PROJECT

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
PROPOSED OTTAWA POLICE SERVICE SOUTH CAMPUS FACILITY
55 LODGE ROAD, OTTAWA, ONTARIO

TITLE

1994 AIR PHOTO

CONSULTANT



YYYY-MM-DD 2016-05-18

DESIGNED ----

PREPARED JEM

REVIEWED AW

APPROVED EDW

PROJECT NO.
1537295

PHASE
2000

REV.
0

FIGURE
D9

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: 25mm



APPENDIX E

Site Photographs



APPENDIX E - Site Photographs



Photo 1: Northern edge of Site, looking from east to west. Note that discolouration of the leaves is likely due to the season, not stress.



Photo 2: View of Site from northern edge looking south.



APPENDIX E - Site Photographs



Photo 3: Eastern Site edge.



Photo 4: Water supply well noted at 20 Lodge Rd. East of the Site.



APPENDIX E - Site Photographs



Photo 5: Underground natural gas lines were noted at the southeastern edge of the Site.



Photo 6: Natural gas line was also found on northwestern edge of Site. Prince of Wales Drive shown in photo to the west (left).



APPENDIX E - Site Photographs



Photo 7: Property directly south of Site is a community boat landing and park. Looking south from southern edge of Site.



Photo 8: Two test hole wells were found on the Site. They appear to still be fully intact.



APPENDIX E - Site Photographs



Photo 9: View of the test wells. Looking from Site center eastward.



Photo 10: The eastern half of the Site was more densely vegetated with trees. Looking from the center of the Site toward the east.



APPENDIX E - Site Photographs



Photo 11: Western half of the Site was covered in tall grass and vegetation as seen here. Looking from center of Site to the northwest.



Photo 12: A rise in grade, considered a berm, is noted just north of the center of the Site running west to east. This berm viewed from the southern half of the Site looking northward.



APPENDIX E - Site Photographs



Photo 13: An abandoned shed was noted on the Site. Seen from atop berm, looking north - new Carleton Lodge can be in the background.



Photo 14: An abandoned water supply well on the Site of the original Carleton Lodge. The well is welded closed.



APPENDIX E - Site Photographs



Photo 15: The berm through the Site as seen from the north half looking southward.



Photo 16: The Site of the original Carleton Lodge which was demolished in 1990. As seen from the northern edge of the Site looking southward.



APPENDIX E - Site Photographs



Photo 17: The Site as seen from the parking lot of the new Carleton Lodge to the north. Looking southward.



Photo 18: Standby power system with internal AST for fuel. North of new Carleton Lodge – approximately 100 m north of the Site. No staining noted on pad.



APPENDIX E - Site Photographs



Photo 19: Non-natural berms around the new Carleton Lodge - likely for noise reduction and aesthetics.

As a global, employee-owned organisation with over 50 years of experience, Golder Associates is driven by our purpose to engineer earth's development while preserving earth's integrity. We deliver solutions that help our clients achieve their sustainable development goals by providing a wide range of independent consulting, design and construction services in our specialist areas of earth, environment and energy.

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