

REPORT ON

PHASE I
ENVIRONMENTAL SITE ASSESSMENT
1145 CARP ROAD
STITTSVILLE WARD
CITY OF OTTAWA, ONTARIO

Submitted to:

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EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment was carried out by Morey Associates Ltd. for Saint Joseph Developments. The subject site for this assessment consists of a property located at 1145 Carp Road, in the Stittsville Ward of the City of Ottawa, Ontario

The purpose of the Phase I Environmental Site Assessment was to identify, if possible, through non-intrusive investigation, consisting of a review of current and historical information and observations of site conditions during a site reconnaissance visit, the existence of any significant, actual or potential environmental liabilities associated with the property. The Phase I Environmental Site Assessment (ESA) has been prepared in general conformity with our interpretation of the requirements of CSAZ768 for conducting environmental site assessments and in general conformity with our interpretation of Ontario Regulation 153/04 as applicable in view of the environmental setting for the site.

The Phase I ESA was based on a site reconnaissance visit carried out on August 14, 2017 together with a review of available geological, topographical and historical information for the site.

Currently the site is occupied by a vacant dwelling, vacant former workshop and two-storey commercial building currently in use as a dentist office. Adjacent land uses consist of commercial and residential development. A Petro Canada service station, Oil Changers building and automotive mechanics garage building exist south of the site. A Browns Cleaners & Tailoring Services building exists west of the site.

The results of this Phase I ESA suggest that the potential risks associated with this site are limited to those outlined in Section 5 below. Based on the results of this Phase I ESA no major environmental concern that is likely to result in subsurface impacts above current land use standards has been identified for the site and as such no subsurface investigation (Phase II ESA) is considered warranted at this time.



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1.0 INTRODUCTION

The subject site for this assessment consists of a property located at 1145 Carp Road, in the Stittsville Ward of the City of Ottawa, Ontario (see Key Plan, Figure 1).

For the purposes of this assessment, it is considered that Carp Road exists at the west side of the site (see Key Plan, Figure 1).

The subject site for this assessment consists of a about 0.54 hectare irregular shaped property, with some 45 metres frontage on the east side of Carp Road and some 80 metres frontage on the north side of Hazeldean Road, in the Stittsville Ward of the City of Ottawa, Ontario. The site is bordered on the north by existing single family dwelling and commercial development, on the west by Carp Road with existing commercial (including a Browns Cleaners & Tailoring Services building) and single family dwelling development beyond, on the east by a City of Ottawa water tower with vacant open fields beyond, and on the south by Hazeldean Road followed by a Petro Canada service station and car dealership with existing commercial and single family dwelling development beyond including an Oil Changers building, a car wash building and an automotive mechanics garage building. An existing single storey, single family dwelling with basement and attached garage accessed by an asphaltic concrete surface private driveway exists within about the southwest portion of the site and an existing two-storey, commercial building with no basement accessed by an asphaltic concrete surfaced private driveway and parking area exists within about the southeast portion of the site. Several sheds/outbuildings and a single storey former workshop building exist within the north portion of the site and are accessed by a gravel surfaced private driveway and parking area.

It is understood that all of the buildings at the site including the foundations, except for the existing two-storey commercial building, will be removed for future planned development of the site.

The primary objective of this Phase I ESA is to document the site conditions on the day of a walk-through site reconnaissance and, if possible, to identify former operations or practices that may present potential environmental risks. The study is based on current and historical information and observations of site conditions during a site reconnaissance visit conducted on August 14, 2017.



The historical information consisted of historical air photographs, title search documents, as well as information from the Ontario Ministry of the Environment, the City of Ottawa and Environmental Risk Information Service Ltd. (ERIS).

The scope of the Phase I ESA is sufficient to identify existing and/or potential environmental liabilities which are obvious from visual examination of surface features and from available sources of information. This level of work is a method of risk reduction, not risk elimination. No building materials, soil, water, liquid, gas, or chemical product sampling and/or testing on or in the vicinity of the subject site were carried out as part of this assessment. This assessment included only a cursory overview of the present neighbouring land uses and does not constitute a complete assessment of the adjacent facilities.

Sections 2.0 and 3.0 of this report provide details of the site and information review. Section 4.0 outlines the site reconnaissance findings. Section 5.0 outlines issues of potential environmental concerns which were identified. Sections 6.0 and 7.0 present a summary of the assessment and limitations of the report, respectively.

2.0 SITE DESCRIPTION

2.1 Location and Legal Description

The subject site for this assessment consists of a about 0.54 hectare irregular shaped property, with some 45 metres frontage on the east side of Carp Road and some 80 metres frontage on the north side of Hazeldean Road, in the Stittsville Ward of the City of Ottawa, Ontario.

The legal description for the site as provided by Wentel Titles is Part of the West ½ of Lot 23, Concession 12, being Parts 2 & 4 on Plan 5R-3383, Geographic Township of Gouldbourn, City of Ottawa, subject to Easement no. GB10286, PIN 04487-0374.

2.2 Site and Area Characteristics

The attached Key Plan, Figure 1 and air photographs show the relative location of the subject site with respect to the surrounding land and the existing roadway network.



The site is bordered on the north by existing single family dwelling and commercial development, on the west by Carp Road with existing commercial (including a Browns Cleaners & Tailoring Services building) and single family dwelling development beyond, on the east by a City of Ottawa water tower with vacant open fields beyond, and on the south by Hazeldean Road followed by a Petro Canada service station and car dealership with existing commercial and single family dwelling development beyond including an Oil Changers building, a car wash building and an automotive mechanics garage building. An existing single storey, single family dwelling with basement and attached garage accessed by an asphaltic concrete surface private driveway exists within about the southwest portion of the site and an existing two-storey, commercial building with no basement accessed by an asphaltic concrete surfaced private driveway and parking area exists within about the southeast portion of the site. Several sheds/outbuildings and a single storey former workshop building exist within the north portion of the site and are accessed by a gravel surfaced private driveway and parking area.

The ground cover at the site consists, in general, of grass with some mature to young trees, asphaltic concrete surfaced access driveways and parking areas as well as gravel surfaced parking areas. The ground surface at the site is somewhat undulating. The existing single family dwelling at the southwest portion of the site is located on a relatively high topographical point at the site. The ground surface on the north and west sides of the dwelling slopes gently towards the north and west down and away from the existing dwelling. The ground surface on the south and east sides of the dwelling slopes relatively steeply down and away from the dwellings towards the south and east. The existing two-storey commercial building is located topographically down gradient from the existing dwelling and the ground surface slopes gently down and away on all sides of the existing commercial building. The access roadway for the commercial building that connects to Hazeldean Road is sloped gently, from about the north side of the existing commercial building, down towards Hazeldean Road. The north portion of the site is relatively flat.

2.3 Sewage Disposal

The existing dwelling and commercial building at the site are serviced by on site private Class IV sewage disposal systems. The sewage disposal systems are located at the south side of the existing dwelling and at the north side of the existing commercial building, as indicated on the "Site and Lot Grading Plan" drawing for the subject site, prepared by McIntosh Perry Consulting



Engineers Ltd. (MPCEL), dated March 26, 2002 and provided to us by Saint Joseph Developments. The above MPCEL drawing is shown in Attachment C.

2.4 Water Supply

The site is serviced by a municipal water main within Carp Road bordering the west side of the site. A well (likely an overburden well) exists just north of the existing dwelling at the site. It is understood based on an interview with Dr. Michael Poitras (owner and site representative, hereafter referred to as the site representative) that the existing well at the site is not currently in use. Ontario Regulation 372/07 requires a well to be abandoned if the well is not being used or maintained for future use as a well.

2.5 Past and Present Property Uses and Activities

A chain of title for this site (see Attachment A) was provided by Wentzell Titles Ltd. Based on a review of the title search information the site is indicated to have been owned by individuals and the The Hydro Electric Power Commission of Ontario. The current owner of the site is listed as Deschenes-Poitras Realty Corp.

Based on an interview with the site representative the existing dwelling at the site was constructed in the 1960s and replaced a possible previous dwelling at the site, the existing former workshop building was constructed in the 1970s, and the existing two-storey commercial building was constructed in about 2003. Further, the site representative indicated that the existing former workshop building was used to re-furbish furniture (which included painting/staining processes) which was then sold in the existing two-storey commercial building, and that the existing former workshop and existing dwelling at the site are currently vacant.



3.0 HISTORICAL INFORMATION REVIEW

In order to assess some of the historical conditions at the property, a preliminary review of information from the following sources was conducted:

- Topographical and geological maps
- Ministry of Environment and Climate Change (MOECC) website
- Province of Ontario website
- City of Ottawa website
- Previous Morey Associates Ltd. Subsurface Investigation
- Environmental Risk Information Service Ltd. (ERIS)

3.1 Geological, Topographical and Hydrogeological Setting

The results of previous subsurface investigations carried out by Morey Associates Ltd. at the site in October 2016 and August 2017 indicate that the site is underlain by a native sand and gravel deposit. A surficial layer of fill material, some 0.2 to 1.8 metres in thickness, consisting of grey crushed stone, topsoil, sand, gravel and cobbles was also encountered at the test holes put down at the site for the above mentioned subsurface investigation. The bedrock geology map for the site area indicates that the bedrock underlying the site consists mainly of limestone with some dolomite, shale and sandstone of the Ottawa Formation.

Based on a review of the topographical map for the site area, it is expected that the upper groundwater flow at the site is to the northeast. No water course exists at the site.

3.2 Air Photograph Review

A review of air photographs of the site for the years 1976, 1991, 2002 and 2014 was carried out as part of this Phase I ESA (see Attachment B). The 1976 and 1991 air photograph shows what is likely the existing dwelling at the site as well as what is likely a portion of the existing former workshop within the north portion of the site. The 2002 air photograph shows what is likely the current footprint of the existing former workshop and several outbuildings within the north portion of



the site as well as the construction of residential and commercial developments east/northeast of the site. The 2014 air photograph shows the existing two-storey commercial building at the site, the asphaltic concrete surfaced private driveway and parking areas, the existing residential development north of the site and what is likely the existing Petro Canada service station south of the site.

3.3 Ministry of the Environment and Climate Change (MOECC) Website

Information from the Ministry of the Environment and Climate Change (MOECC) Access Environment on-line, map-based search website was reviewed for Environmental Compliance Approvals (ECA), Renewable Energy Approvals (REA), Environmental Activity and Sector Registry (EASR) and Certificates of Approval (C of As) for the subject site and within 250 metres of the site.

The following documents were indicated on the MOECC Access Environment on-line search website for the subject site and within 250 metres of the site:

- ECA, Air, Number 1358-7KAST8, Date: 2008-11-03, Business Name: Gendron Antiques ML Inc., Site Location: 1145 Carp Rd Stittsville, Ottawa, Status: Approved

- C of A, Industrial Sewage Works, Number 8277-68ZVSB, Date: 2005-02-04, Business Name: Suncor Energy Products Inc., Site Location: 6250 Hazeldean Road, Ottawa, Status: Approved

- ECA, Industrial Sewage Works, Number 8768-8S6MV7, Date: 2012-03-12, Business Name: JDNM Holdings Limited, Site Location: 1189 Carp Rd Stittsville, Ottawa, Status: Approved

- ECA, Waste Management Systems, Number 8096-6EBKRH, Date: 2005-07-18, Business Name: 1634114 Ontario Inc., Site Location: 65 Neil Ave., Ottawa, Status: Approved



The above mentioned ECA Number 1358-7KAST8 indicates that in 2008 an ECA Air application for Gendron Antiques was approved by the MOECC for the subject site. At the time of preparation of this report the ECA Air document was not available. Based on an interview with the site representative Gendron Antiques was the previous occupant of the site and it is likely that the above ECA Air approval was in regards to a ventilation system for the above mentioned former workshop building.

The above mentioned C of A for the property at 6250 Hazeldean Road indicates that in 2005 approval for an oil/grit interceptor with a total holding capacity 4,871 litres discharging to an existing drainage ditch surrounding that property was issued by the MOECC.

The above mentioned ECA for the property at 1189 Carp Road indicates that in 2012 approval for stormwater management works (catch basins, oil/grit separator, storm sewer pipes, etc.) to service an automobile oil change (Oil Changers building) and car wash facility was issued by the MOECC.

The above mentioned C of A for the property at 65 Neil Avenue indicates that in 2005 provisional approval for a waste management system (waste transportation vehicles) servicing the Province of Ontario was issued by the MOECC.

The above Environmental Compliance Approval and Certificates of Approval are provided in the attached Attachment D following the text of this report, except for ECA Number 1358-7KAST8.

3.4 Province of Ontario Website

Information from the Province of Ontario website was reviewed for the presence of any former or active landfills within 250 metres of the subject site. No former or active landfills are indicated to exist within 250 metres of the site.

3.5 The City of Ottawa Website

Information from the City of Ottawa geomaps website was reviewed regarding the zoning for the site. The site is currently indicated to be zoned Arterial Mainstreet (AM9).



3.6 Previous Morey Associates Ltd. Subsurface Investigations Information

As mentioned above Morey Associates Ltd. carried out previous subsurface investigations at the subject site in October 2016 and August 2017. The test hole logs for that investigation indicate fill material, some 0.2 to 1.8 metres in thickness, was encountered from the ground surface at all of the test holes put down at the site. One of the test holes for the August 2017 subsurface investigation was put down some 4 metres away from the below mentioned above ground storage tank (see report Sections 4.0 and 4.2).

Although the Morey Associates Ltd. report for the above mentioned subsurface investigation states that the presence or implications of possible surface and/or subsurface contamination resulting from previous uses or activities at the site or adjacent properties, and/or resulting from the introduction onto the site materials from offsite sources are outside the terms of reference for that report and have not been addressed in that report, it is noted that the geotechnical engineer on site during the test hole drilling operation did not observe any visual or olfactory evidence of hydrocarbon contamination at the test holes put down for the subsurface investigation at the subject site.

3.7 Previous Environmental Reporting

A previous Phase I ESA report dated June 10, 2015, prepared by Pinchin Ltd. for the subject site, was provided to us by Saint Joseph Developments. The results of that report indicate that “nothing was identified that is likely to result in potential subsurface impacts at the Site. As such, no subsurface investigation work (Phase II ESA) is recommended at this time.”

No other previous reports for the subject site was provided to us.

3.8 Environmental Risk Information Service Ltd. (ERIS)

Environmental Risk Information Service Ltd. (ERIS) was contacted to carry out current and historical environmental database information research in order to identify the existence of any significant actual or potential environmental liabilities associated with the subject property and/or associated with the properties located within a 250 metre radius around the subject property. The databases researched by ERIS include federal, provincial and private sector databases, including



but not limited to, MOECC and Technical Standards & Safety Authority (TSSA) databases. The ERIS database report is provided as Attachment E following the text of this report.

The ERIS information indicates database information search results for four of the sixty-seven databases searched for the subject site, Environmental Compliance Approval (ECA), Certificates of Approval (CA), Environmental Registry (EBR) and ERIS Historical Searches (EHS).

The ERIS information for the subject site indicates that the above ECA, CA and EBR are associated with the above mentioned previous site owner, Gendron Antiques ML Inc.

The ERIS information for the subject site indicates no search results for all TSSA related databases and the Ontario Spills database.

The ERIS information for the properties located within a 250 metre radius around the subject site indicates database information search results for ten of the sixty-seven databases searched, CA, EHS, ECA, Scott's Manufacturing Directory (SCT), Water Well Information System (WWIS), Borehole (BORE), Ontario Regulation 347 Waste Generators Summary (GEN), Fuel Storage Tank – Historic (FSTH), Fuel Storage Tank (FST) and Ontario Spills (SPL).

The ERIS information indicates that the Deschenes & Poitras Dental Centre located at 6255 Hazeldean Road is registered as per Regulation 347 of the Ontario Environmental Protection Act (EPA) as waste generators of pathological wastes. It is pointed out that this dental centre is the above mentioned dentist office at the subject site (1145 Carp Road). It is considered the civic address 6255 Hazeldean Road is an unofficial civic address assigned to the existing two-storey commercial building at the site. Based on the type of waste generated at the dentist office and on the current housekeeping at the subject site, it is considered unlikely that operations at the dentist office have adversely impacted the subject site above the current land use standards.

The ERIS information further indicates that the property at 1189 Carp Road associated with JDNM Holdings Inc., and currently in use as an Oil Changers building, located some 120 metres south and downgradient of the subject site, is registered as per Regulation 347 of the Ontario Environmental Protection Act (EPA) as waste generators of petroleum based waste oils and sludges. Based on the distance of the above noted property to the subject site, the topographically upgradient location



of the subject site relative to the above mentioned property and the expected upper groundwater flow direction, it is considered unlikely that operations at the above noted property have adversely impacted the subject site above the current land use standards.

The ERIS information indicates that in 1997 some 246 litres of furnace oil spilled onto the ground at 1127 Carp Road, some 30 metres north/northwest of the subject site. The ERIS information further indicates possible soil contamination associated with the spill. Based on the spill description, the distance of the spill to the subject site and that the expected upper ground water flow at the site is towards the northeast, it is considered that the spill indicated in the ERIS information is not a major environmental concern for the subject site.

The ERIS information indicates that between years 2004 to 2014 three or four fibreglass double wall underground liquid fuel storage tanks (USTs) were installed at the above mentioned Petro Canada service station, located some 40 to 50 metres south and downgradient of the subject site, and that the storage capacity of each of the USTs installed is 50,000 litres. The Technical Standards & Safety Authority (TSSA) is the regulatory body for the storage of fuels in Ontario. The ERIS information indicates no database information search results, including TSSA databases, in association with any spills and/or incidents regarding the above mentioned USTs at the Petro Canada service station. Based on the above mentioned ERIS information, the subsurface information in Section 3.6 of this report, on the age of the above mentioned USTs, and on the expected upper ground water flow at the site towards the northeast, it is considered unlikely that the operations of the existing Ultramar service station have adversely impacted the subject site above the current land use standards.

Fire insurance map research results provided by ERIS indicates no information was found for the subject site or adjacent properties (see Enviroscan report in Attachment E).

4.0 SITE RECONNAISSANCE

On August 14, 2017 a walk-through site reconnaissance was conducted at the subject property by members of Morey Associates Ltd. engineering staff. The site is located within an area of residential and commercial development.



The site is bordered on the north by existing single family dwelling and commercial development, on the west by Carp Road with existing commercial (including a Browns Cleaners & Tailoring Services building) and single family dwelling development beyond, on the east by a City of Ottawa water tower with vacant open fields beyond, and on the south by Hazeldean Road followed by a Petro Canada service station and car dealership with existing commercial and single family dwelling development beyond including an Oil Changers building, a car wash building and an automotive mechanics garage building. An existing single storey, single family dwelling with basement and attached garage accessed by an asphaltic concrete surface private driveway exists within about the southwest portion of the site and an existing two-storey, commercial building with no basement accessed by an asphaltic concrete surfaced private driveway and parking area exists within about the southeast portion of the site. Several sheds/outbuildings and a single storey former workshop building exist within the north portion of the site and are accessed by a gravel surfaced private driveway and parking area.

The ground cover at the site consists, in general, of grass with some mature to young trees, asphaltic concrete surfaced access driveways and parking areas as well as gravel surfaced parking areas. The ground surface at the site is somewhat undulating. The existing single family dwelling at the southwest portion of the site is located on a relatively high point at the site. The ground surface on the north and west sides of the dwelling slopes gently towards the north and west down and away from the existing dwelling. The ground surface on the south and east sides of the dwelling slopes relatively steeply down and away from the dwellings towards the south and east. The existing two-storey commercial building is located down gradient from the existing dwelling and the ground surface slopes gently down and away on all sides of the existing commercial building. The access roadway for the commercial building that connects to Hazeldean Road is sloped gently, from about the north side of the existing commercial building, down towards Hazeldean Road. The north portion of the site is relatively flat.

At the time of the site reconnaissance the existing dwelling at the site was vacant. The existing dwelling has a natural gas burning furnace located in the basement. An exterior ground mounted central air conditioning unit at the west side of the dwelling was observed. A natural gas hot water tank was observed in the basement of the dwelling. Fluorescent lighting was observed in the dwelling basement and attached garage. A refrigerator exists on the ground floor of the dwelling. Where observed, the floors within the dwelling are covered with ceramic and vinyl floor tiles, carpet,



laminated hardwood. Several rooms within the basement consist of an uncovered concrete slab. Ceiling tiles were observed in several rooms within the dwelling. Copper and ABS drain pipes were observed in the basement as well as copper natural gas supply pipes and copper water supply pipes. Where exposed, the foundation walls of the dwelling consist of concrete block. The dwelling has an asphalt shingle covered roof and brick/stone veneer. Some water and dampness was observed within several rooms in the dwelling basement along the base of the south exterior foundation wall. Black and blue mould was observed on the drywall in the laundry room in the basement and black mould was observed on the exposed concrete block foundation wall in the furnace room in the basement. Storage of some typical domestic items and some dentistry equipment was observed in the attached garage.

A well (likely an overburden well) exists just north of the existing dwelling at the site. Based on an interview with the site representative the existing well at the site is not currently in use.

At the time of the site reconnaissance the existing former workshop was vacant. The former workshop has a natural gas furnace. An exterior wall mounted central air condition unit at the east side of the former workshop building was observed. Fluorescent lighting was observed in the former workshop. The floors consisted of an uncovered concrete slab. Where observed, the slab was in relatively good condition, no major cracks were observed. No ceiling tiles were observed in the former workshop. Where exposed, the construction of the former workshop was observed to be conventional wood framing. The former workshop has a metal/tin covered roof and wood clad exterior. A "lean-to" structure exists at the north side of the former workshop. The lean-to consists of conventional wood framing and a wood floor. Fibreglass batt insulation was observed within the lean-to structure. An above ground storage tank (AST) was observed within the lean-to structure adjacent to the exterior wall of the former workshop. No stains were observed beneath or on the workshop wall adjacent to the AST. No evidence of fuel within the AST was observed at the time of the site visit. It is considered, based on visual observations of the AST and its location adjacent to the exterior wall of the former workshop, that the AST was likely used as furnace fuel oil storage for a former oil burning furnace associated with the former workshop.

A storage shed associated with the former workshop was observed south of the former workshop. Based on an interview with the site representative the shed was used to store paints associated with the furniture re-furbishing activities carried out at the former workshop by the previous owner.



At the time of the site reconnaissance the storage shed was vacant. Paint stains were observed on the wood floor within the storage shed. No stains were visible on the ground surface adjacent to the shed.

At the time of the site reconnaissance a portion of the second storey of the existing two-storey commercial building was occupied and in use as a dentist office. The remaining portion of the commercial building was vacant. The commercial building has a natural gas burning furnace and central air condition unit. The commercial building consists of modern/typical construction materials and finishes, with a concrete slab on grade type foundation. The concrete floor slab, where observed on the ground level, was in relatively good condition. No major concrete floor slab cracks were observed. A fire extinguisher was observed on the main floor of the commercial building.

A modern garbage “dumpster”, associated with the regular pickup/transportation off-site of the garbage produced at the site by the dentist office, was observed just northwest of the existing dwelling.

No ground surface staining or significant distressed vegetation was observed at the time of the site reconnaissance.

No evidence of hazardous waste was observed at the site.

Three hydro transformers were observed on a hydro pole near the southeast corner of the site adjacent to Hazeldean Road.

4.1 Storage

No storage of hazardous materials was observed. Based on the indicated past usage and development timeline of the property, past storage of hazardous materials is considered unlikely.

4.2 Storage Tanks

An above ground storage tank (AST) was observed within the lean-to structure adjacent to the exterior wall of the former workshop. No stains were observed beneath or on the workshop wall



adjacent to the AST. No evidence of fuel within the AST was observed at the time of the site visit. It is considered, based on visual observations of the AST and its location adjacent to the exterior wall of the former workshop, that the AST was likely used as furnace fuel oil storage for a former oil burning furnace associated with the former workshop.

4.3 Polychlorinated Biphenyls (PCB)

A visual reconnaissance of the building was undertaken to identify the possible presence of items which may contain PCB's. The use of PCB's in electrical equipment such as transformers, capacitors, fluorescent light ballasts, etc. was common up to about 1980. Although fluorescent lighting was observed throughout the existing commercial building at the site, in view of the age of the building it is considered unlikely that there is any PCB's within the fluorescent lighting. In view of the age of some of the other buildings at the site there is a possibility that PCB's could exist within the fluorescent lighting observed within the buildings as well as within the three hydro transformers near the southeast corner of the site.

It is not a requirement to remove materials containing PCB's. Any handling or removal of PCB containing equipment should be carried out in accordance with Ontario Regulation 362, PCB Waste Management under the Environmental Protection Act of Ontario, R.S.O. 1990.

4.4 Suspect Asbestos Containing Materials (ACM)

The common use of friable ACM in construction decreased in the mid 1970's. Buildings constructed prior to about 1980 may contain some ACM. Examples where ACM can exist include floor, wall or ceiling tiles, heating/cooling pipes and insulation/non-combustible materials. In view of the age of some of the buildings at the site there is a possibility that ACM could exist within the ceiling tiles, vinyl flooring, insulation and drywall/drywall compound in the existing dwelling and former workshop.

Under Ontario regulations, it is not a requirement to remove asbestos from a building unless it is damaged or is likely to be disturbed during renovations or demolition work, etc. Applicable regulations define "asbestos containing material" as material that contains 0.5 percent or more asbestos by dry weight. Any removal of asbestos containing materials should be carried out in



accordance with the procedures in Ontario Regulation 837, R.R.O. 1990 and Ontario Regulation 278/05.

4.5 Solid Waste Disposal Practices

No disposal of solid waste was observed at the site.

4.6 Adjacent Properties

The site is bordered on the north by existing single family dwelling and commercial development, on the west by Carp Road with existing commercial (including a Browns Cleaners & Tailoring Services building) and single family dwelling development beyond, on the east by a City of Ottawa water tower with vacant open fields beyond, and on the south by Hazeldean Road followed by a Petro Canada service station and car dealership with existing commercial and single family dwelling development beyond including an Oil Changers building, a car wash building and an automotive mechanics garage building.

Based on an interview with an employee at the above mentioned Browns Cleaners & Tailoring Services, no dry cleaning is carried out at the location of the Browns Cleaners & Tailoring Services building.

Based on a review of the ERIS information obtained for this Phase I ESA, and the information discussed in the above Section 3.6 of this report and on the expected upper ground water flow at the site towards the northeast and the general upgradient location of the subject site, it is considered unlikely that the operations at the above noted properties have adversely impacted the subject site above the current land use standards.

4.7 Noise, Dust and Vibrations

There is potential for vehicular noise, dust and vibrations to exist from the use of Carp Road and Hazeldean Road which border the west and south sides of the site, respectively.



4.8 General Storage and Debris (Housekeeping)

At the time of the site reconnaissance, housekeeping at the site is considered to be good.

4.9 Ozone-Depleting Substances (ODS)

Certain chemicals, recognized as ozone depleting substances (ODS), break down in the stratosphere and release chlorine or bromine, which in turn destroy the stratospheric ozone layer. Most of these substances are also greenhouse gases. Ozone depleting substances are used as foam blowing agents, solvents, in fire extinguishers, and as refrigerants for air conditioning and refrigeration applications. ODS could exist within the central air conditioning units, refrigerators and fire extinguisher observed at the site.

4.10 Lead

Lead is commonly associated with old pipes, pipe solder, and lead paint. In 1976 Canadian Regulations limited the amount of lead in interior paint to 0.5 percent by weight. Due to the age of some of the buildings at the site, paints and pipes in the existing dwelling and former workshop could contain lead.

4.11 Urea Formaldehyde Foam Insulation (UFFI)

The majority of UFFI was installed in new and existing construction in Canada between 1975 and 1978 as part of the Canadian Home Insulation Program. Based on the age of some of the buildings at the site, the existing dwelling and former workshop could contain UFFI.

4.12 Mould

The presence of mould and mould growth on the interior surfaces of buildings is a risk factor for health problems. According to the Ontario Ministry of Labour the most common types of mould are generally not hazardous to healthy individuals – but some moulds may be hazardous to certain individuals.



Some water and dampness was observed within several rooms in the existing dwelling basement along the base of the south exterior foundation wall. Black and blue mould was observed on the drywall in the laundry room in the basement and black mould was observed on the exposed concrete block foundation wall in the furnace room in the basement. Based on an interview with the site representative the existing dwelling is currently vacant (not-occupied) and it is understood that the existing dwelling is to be demolished for the future planned site development.

According to the Ontario Ministry of Labour, the Occupational Health and Safety Act places a responsibility on constructors, employers and supervisors to ensure the health and safety of workers. This includes protecting workers from mould in workplace buildings. Remediation and/or abatement/removal of mould at the site should be carried out in an environmentally sound manner and in accordance with the Occupation Health and Safety Act.

5.0 POTENTIAL ENVIRONMENTAL ISSUES

In summary, based on the information gathered during this Phase I ESA, the following issues of potential environmental concern have been identified.

- There is potential for vehicular noise, dust and vibrations to exist from the use of Carp Road and Hazeldean Road which border the west and south sides of the site, respectively.
- There is potential for the presence of PCB's, ACM, ODS, Lead and UFFI related to some construction components of the existing dwelling and former workshop at the site. There is potential for the presence of PCB's in the hydro transformers located near the southeast corner of the site. There is potential for the presence of ODS within the fire extinguishers and air conditioning unit(s) within/at the existing two-storey commercial building at the site. However, none of these materials are required to be removed under the present conditions or regulations.
- There is potential for the possible presence of contamination associated with the fill material at the site and the possible presence of hydrocarbon contamination associated with the AST and the former paint storage shed at the site. However, as indicated in Section 3.6 of this



report the engineer on site during the test hole drilling operation did not observe any visual or olfactory evidence of hydrocarbon contamination at the test holes put down for the subsurface investigation at the subject site, and further, no ground surface staining was observed at the AST or former paint storage shed at the time of the site reconnaissance for this Phase I ESA.

- There is potential for the possible presence of subsurface hydrocarbon contamination associated with the Petro Canada service station, Oil Changers building and automotive mechanics garage building located south of the subject site. However, based on a review of the ERIS information obtained for this Phase I ESA, and the information discussed in the above Sections 3.6 and 3.8 of this report and on the expected upper ground water flow at the site towards the northeast, it is considered unlikely that the operations of the existing Petro Canada service station, Oil Changers building or automotive mechanics garage building have adversely impacted the subject site above the current land use standards.
- Some water and dampness was observed within several rooms in the existing dwelling basement along the base of the south exterior foundation wall. Black and blue mould was observed on the drywall in the laundry room in the basement and black mould was observed on the exposed concrete block foundation wall in the furnace room in the basement. Based on an interview with the site representative the existing dwelling is currently vacant (not-occupied) and it is understood that the existing dwelling is to be demolished for the future planned site development. Remediation and/or abatement/removal of mould at the site should be carried out in an environmentally sound manner and in accordance with the Occupation Health and Safety Act.



6.0 CONCLUSIONS

The results of this Phase I ESA suggest that the potential risks associated with this site are limited to those outlined in Section 5 above. No major environmental concern that is likely to result in subsurface impacts above current land use standards has been identified for the site and as such no subsurface investigation (Phase II ESA) is considered warranted at this time.

Remediation and/or abatement/removal of mould at the site should be carried out in an environmentally sound manner and in accordance with the Occupation Health and Safety Act.

7.0 LIMITATIONS AND USE OF REPORT

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

This report was prepared for the exclusive use of Saint Joseph Developments and is based on data and information collected during the Phase I ESA of the property conducted by Morey Associates Ltd. This report may not be relied upon by any other person or entity without the express written consent of Saint Joseph Developments and Morey Associates Ltd. In evaluating this site, Morey Associates Ltd. has relied in good faith on information provided by others. The assessment of environmental conditions and possible site hazards presented have been made using available technical data collected and provided by others. Morey Associates Ltd. accepts no responsibility for any deficiencies, or inaccuracies in this report as a result of omission, misinterpretations, or fraudulent acts of others.

This report documents work that was carried out with generally accepted professional standards at the time and location in which the services were provided. No other representations, warranties or guarantees are made concerning the accuracy or completeness of the data or conclusions contained within this report, including no assurance that this work has uncovered all potential liabilities associated with the identified property.



The conclusions provided herein represent the best judgement of Morey Associates Ltd. as of the time of preparation of this report based on current environmental standards and the limited data available and are not a certification of the subject site's environmental condition. This report should not be construed as legal advice. Due to the nature of the investigation and the limited data available, we cannot warrant against undiscovered environmental liabilities. If new information is discovered during future work, including excavations, borings or other studies, Morey Associates Ltd. should be requested to re-evaluate the conclusions presented in this report and provide amendments as required.

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

Yours truly,
Morey Associates Ltd.

D.G. Morey, B.A.Sc (Civil Eng.), P.Eng.
Director/Civil Engineer

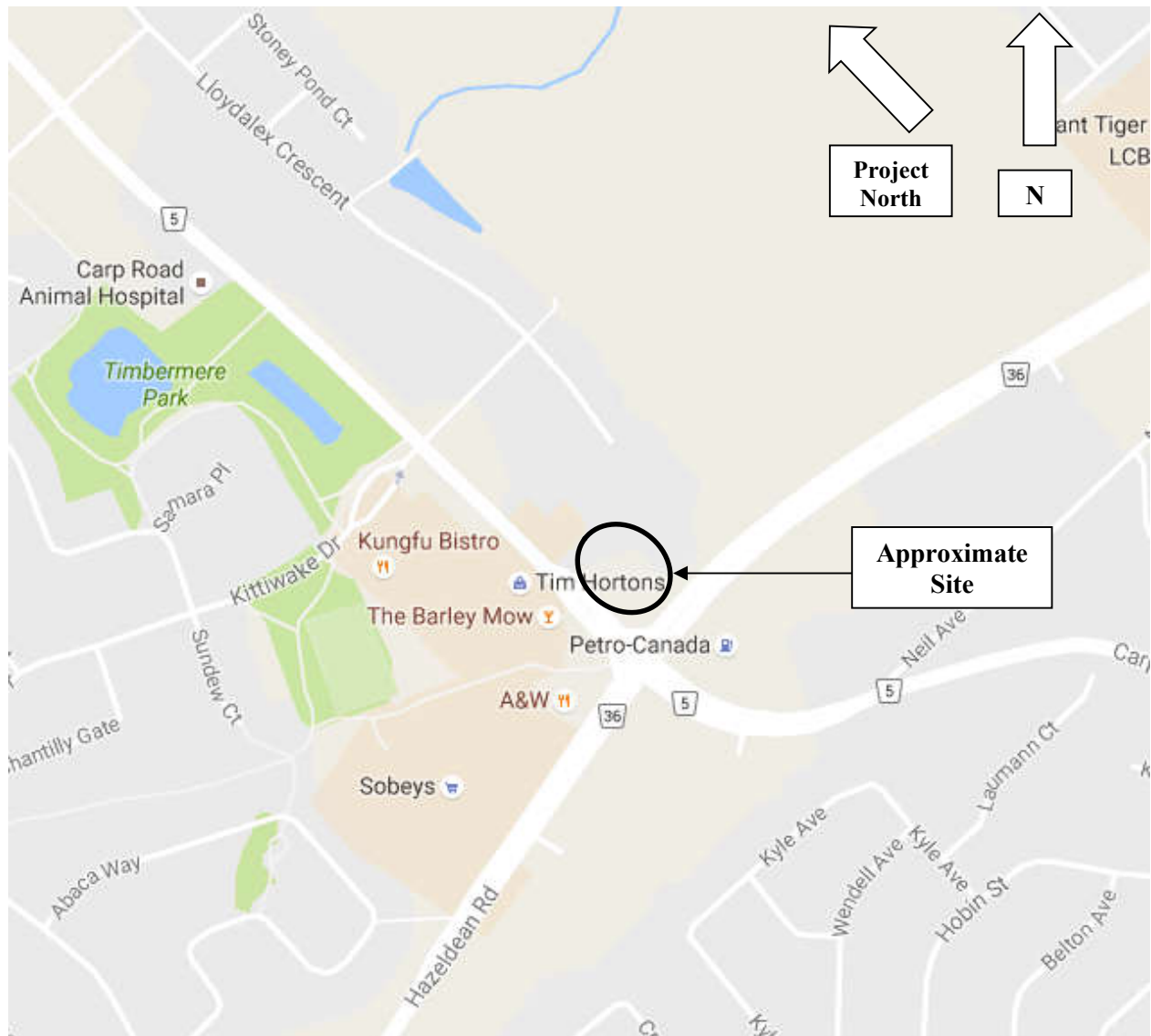
C.R. Morey, M.Sc. (Eng.), P. Eng.
Senior Consulting Engineer

File 017387



KEY PLAN

FIGURE 1



NOT TO SCALE



ATTACHMENT A

TITLE SEARCH DOCUMENTATION

Attn: Ann Mearns

ENVIRONMENTAL SEARCH

Re: 017384 1145 Long Rd.

INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER
	Patent	July 16 1861	Brown	Robert Howard William H.C. Thompson
R024820	Shank's Deed	Feb 18 1865	Shank's Tractor	William H. Thompson
GB332	Deed	Sept 29 1871	William H. Thompson	Roberta Bradley
GB2125	Deed	Jan 27 1883	Roberta Brown (formerly Bradley)	Charles Spencer
GB5975	Deed	Apr 4 1908	Harry Steele (Genl of Charles Spencer)	James Steele
GB7830	Deed	Mar 21 1922	James Steele	James E. Steele
GB9495	Deed	Mar 4 1943	James E. Steele	John M. Potter Ethel M. Potter
GB10286	Leasehold 1949	Leasehold 1949	John M. Potter Ethel M. Potter	The Rydman Electric Power Corporation of Ontario (last)

ENVIRONMENTAL SEARCH

INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER
6810396	deed	Aug 1 / 1950	John M. Potter Ethel M. Potter	John L. Clement Elizabeth A. Clement (part)
6813863	deed	May 25 / 1961	John M. Potter Ethel M. Potter	Roscoe W. Berg Wilma Berg (part)
6813913	deed	July 6 / 1961	John L. Clement Elizabeth A. Clement	Roscoe W. Berg Wilma M. Berg (part as in 6810396)
6814685	deed	Jan 6 / 1963	John M. Potter Ethel M. Potter	Roscoe W. Berg Wilma M. Berg (part)
CT229794	deed	June 10 / 1976	Roscoe W. Berg Wilma M. Berg	Roscoe W. Berg Wilma Berg (joint tenants)
N750459	deed	Nov 29 / 1996	Wilma Berg	Roscoe W. Berg Wilma Berg (joint tenants)
OC72092	deed	Sept 11 / 2015	Roscoe W. Berg Wilma Berg	Roscoe W. Berg Wilma Berg (joint tenants)

Legal Description as: Part of the West 1/2 of Lot 23, Township 12, Range 2 & 4 on Plan SR-3383, Registered Township of Southwold, City of Ottawa, subject to Easement no. 6810286.

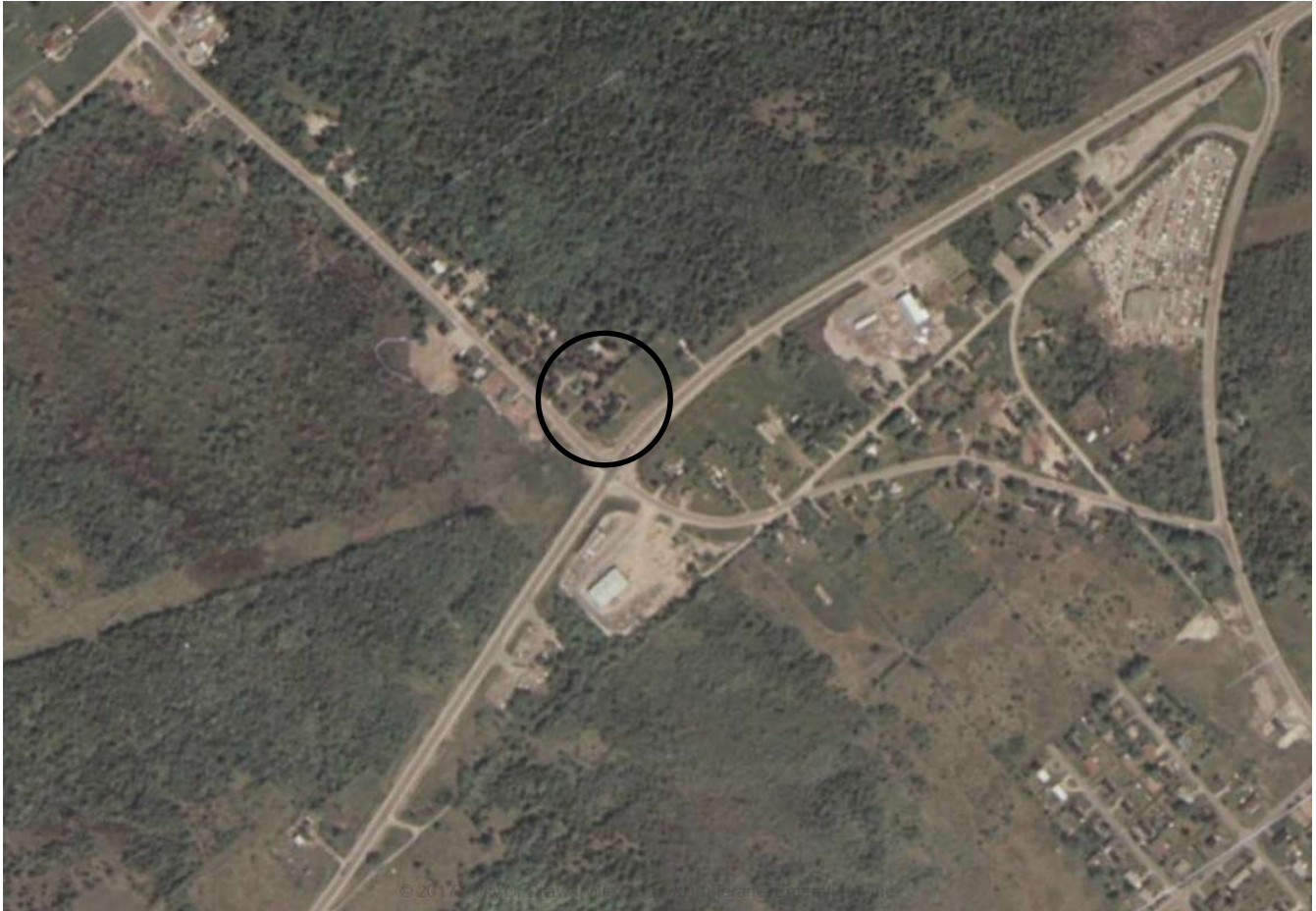
Aug 21/17.



ATTACHMENT B

AIR PHOTOGRAPHS

AIR PHOTOGRAPH



1976

AIR PHOTOGRAPH



1991

AIR PHOTOGRAPH



2002

AIR PHOTOGRAPH



2014

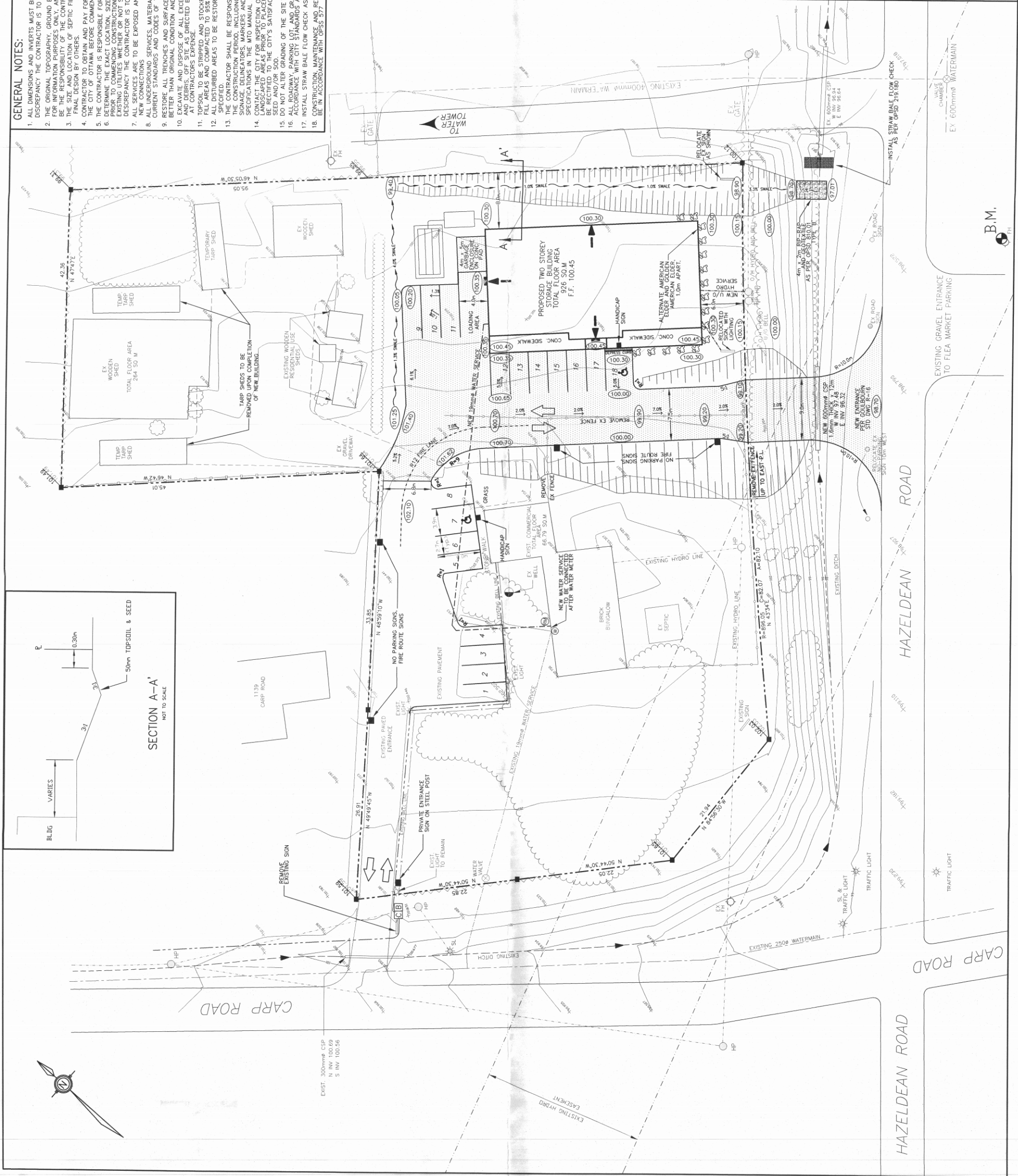
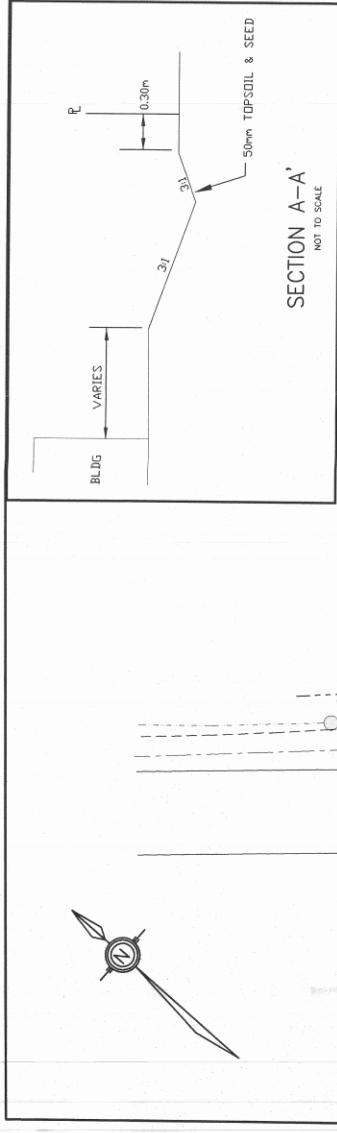


ATTACHMENT C

SITE AND LOT GRADING PLAN

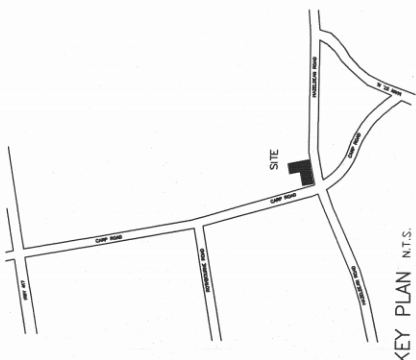
PREPARED BY MCINTOSH PERRY CONSULTING ENGINEERS LTD.

PROVIDED BY SAINT JOSEPH DEVELOPMENTS



GENERAL NOTES:

1. ALL DIMENSIONS AND INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION, IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE ENGINEER PROMPTLY.
2. THE ORIGINAL TOPOGRAPHY, GROUND ELEVATIONS AND SURVEY DATA SHOWN ARE SUPPLIED FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL INFORMATION OBTAINED FROM THEM.
3. BE THE SIZE AND LOCATION OF SEPTIC FILTER BED ESTIMATED AND DEPENDS ON THE FINAL DESIGN BY OTHERS.
4. CONTRACTOR TO OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF OTTAWA BEFORE COMMENCING CONSTRUCTION.
5. THE CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT.
6. BEFORE COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT DRAWINGS FOR EXISTING UTILITIES WHETHER OR NOT SHOWN ON THESE DRAWINGS. IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE ENGINEER PROMPTLY.
7. ALL SERVICES ARE TO BE EXPOSED AND GRADES DETERMINED IN THE FIELD BEFORE COMMENCING NEW CONNECTIONS. SERVICES, MATERIALS AND INSTALLATIONS TO BE IN ACCORDANCE WITH THE CURRENT STANDARDS AND CODES OF THE CITY OF OTTAWA.
8. RESTORE ALL TRENCHES AND SURFACES OF PAVED ROAD ALLOWANCES TO CONDITION EQUAL OR BETTER THAN ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY OF OTTAWA AUTHORITIES.
9. EXCAVATE AND DISPOSE OF ALL EXCESS EXCAVATED MATERIAL, SUCH AS SOILING AND DEBRIS, OFF SITE AS DIRECTED BY THE ENGINEER. REMOVAL OF MATERIALS TO BE AT CONTRACTOR'S EXPENSE.
10. DISPOSAL TO BE STRIPPED AND STOCKPILED FOR REHABILITATION. CLEAN FILL TO BE PLACED IN ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER UNLESS OTHERWISE SPECIFIED.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SAFETY MEASURES DURING THE CONSTRUCTION PERIOD, INCLUDING THE SUPPLY, INSTALLATION, AND REMOVAL OF ALL NECESSARY CONE TRAFFIC CONTROL DEVICES, TRAFFIC SIGNS, AND BARRIERS.
12. CONTACT THE ENGINEER IN THE MID MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR ONTARIO SPECIFICATIONS.
13. LANDSCAPED AREAS PRIOR TO PLACEMENT OF ASPHALT AND CONCRETE. LOTTERIES, ROADWAYS AND PARKS ARE TO BE RECYCLED TO THE CITY'S SATISFACTION PRIOR TO PLACEMENT OF ANY ASPHALT, TOPSOIL, SEED AND/OR SOO.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GRADING OF THE SITE WITHOUT PRIOR APPROVAL OF CITY.
15. ALL GRADING SHALL BE IN ACCORDANCE WITH CITY STANDARDS AND SPECIFICATIONS UNDERTAKEN IN ACCORDANCE WITH CITY STANDARDS AND SPECIFICATIONS.
16. INSTALL STRAW BALE FLOW CHECK AS PER OPS 219.180
17. CONSTRUCTION, MAINTENANCE AND REMOVAL OF SEDIMENT AND EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH OPS 577.



KEY PLAN N.T.S.

BENCHMARK

BENCH MARK TOP OF SPINDLE ON FIRE HYDRANT
LOCATED ON SOUTH SIDE OF HAZELDEAN ROAD
100 M EAST OF CARP ROAD
ASSUMED ELEVATION OF 98.738 M

CONSTRUCTION, MAINTENANCE AND REMOVAL OF SEDIMENT AND EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH OPSS 577

SITE INFORMATION	
ZONING	CH - HIGHWAY COMMERCIAL (ANTIQUE STORE)
USE	PERMITTED USE
PROPOSED BUILDING	
GROSS FLOOR AREA	4985 SQ. FT.
SECOND FLOOR	4985 SQ. FT.
GROUND FLOOR	4985 SQ. FT.
TOTAL GFA	9970 SQ. FT. (966 SQ. M.)
EXISTING PARKING	1 SPACE
REQUIRED RESIDENTIAL	1 SPACE
1 SPACE/JWELLING UNIT	
REQUIRED COMMERCIAL	3.5 SPACES
10 SPACES/19 SQ. M.	
REQUIRED STORAGE	2.6 SPACES
10 SPACES/100 SQ. M.	8 SPACES
REQUIRED PARKING SPACES	
NEW PARKING	
REQUIRED STORAGE	3.2 SPACES
10 SPACES/100 SQ. M.	18 SPACES
REQUIRED PARKING SPACES	68.2 SPACES
PROVIDED	
SIZE (TYPICAL)	1 SPACES
HANDICAP REQUIRED	1 SPACES
HANDICAP PROVIDED	60m x 3.30m
PAINTED LINES	
C/A PAINTED LINES	
LOADING SPACES	
REQUIRED	1 SPACE
PROVIDED	1 SPACE
SIZE	7.5m x 3.5m
YARD REQUIREMENTS	
FRONT YARD	6.0m MIN
REAR YARD	8.0m MIN
SIDE YARD	6.0m MIN
LOT COVERAGE	40 % MAX
REQUIRED	18 %
PROVIDED	
LANDSCAPED OPEN SPACE	10 % MIN
REQUIRED	57 %
PROVIDED	

LEGAL DESCRIPTION


PARTS 2 AND 4, 5R-3383
PART OF WEST HALF LOT 23, CONC. 12
FORMER TOWNSHIP OF GOULBORN

PAVEMENT
CROSS-SECTION
NOT TO SCALE

REVISIONS			DATE	BY
NO.	DESCRIPTION			
4	SEPTIC DESIGN		SEP 3/02	TJ
3	EROSION AND SEDIMENT CONTROL PLAN		JULY 30/02	LD
2	AS PER CITY COMMENTS		JULY 15/02	MS
1	AS PER CITY COMMENTS		JUNE 25/02	MS
GENDRON ANTIQUES			DESIGNED BY	PWILLIAMS
			DRAWN BY	AMANCHARY
			CHECKED BY	JOHNSON
			DESIGNED BY	JOHNSON

GARBAGE ENCLOSURE DETAIL
NOT TO SCALE

Technical drawing of a front elevation. On the left, a diamond-shaped window is shown within a rectangular frame. To its right is a door. Labels with leader lines point to various parts of the door: 'PRESSURE TREATED POSTS' points to the vertical frame; 'WOOD SCREEN C/W 4" x 4" PRESSURE TREATED POSTS' points to the screen area; 'ACCESS GATE (WIDTH TO SUITE) C/W HEAVY DUTY GATE HARDWARE (BARREL' points to the door itself; and 'GARBAGE ENCLOSURE FRONT ELEVATION' points to the entire drawing area.

	McIntosh Perry Consulting Engineers Ltd. 118 Dundas St. W., 4th Fl., Toronto, Ont. M5G 1L6 Tel: (416) 593-0146 Fax: (416) 593-0142	MP	REVISION 4
DATE MARCH 26, 2002	SCALE 1:250 metric	DRAW. NO. P02-011-02	



ATTACHMENT D

MINISTRY OF THE ENVIRONMENT AND CLIMATE CHANGE ACCESS ENVIRONMENT ON-LINE SEARCH WEBSITE SEARCH RESULTS DOCUMENTATION



Ministry
of the
Environment

Ministère
de
l'Environnement

PROVISIONAL CERTIFICATE OF APPROVAL
WASTE MANAGEMENT SYSTEM
NUMBER 8096-6EBKRH

1634114 Ontario Inc.
65 Neil Ave., Stittsville
Ottawa, Ontario
K2S 1B9

You have applied in accordance with Section 27 of the Environmental Protection Act for approval of:

a waste management system serving:

the Province of Ontario.

For the purpose of this Provisional Certificate of Approval and the terms and conditions specified below, the following definitions apply:

- a. "Certificate" means the entire Certificate of Approval including its schedules, if any, issued in accordance with Section 27 of the Environmental Protection Act;
- b. "Company" means only 1634114 Ontario Inc.;
- c. "Director" means any Ministry employee appointed by the Minister pursuant to Section 5 of the Environmental Protection Act and
- d. "District Manager" means the District Manager of the Ministry of the Environment for the geographic area in which the waste described in condition 2 is located.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. Except as otherwise provided by these conditions, the waste management system shall be operated in accordance with the application submitted for this Provisional Certificate of Approval dated June 6, 2005 and with the supporting information submitted to the Ministry of the Environment as part of the application listed below:

(A) Facsimile from Mark Jones, 730 Permit Services Inc., submitting Articles of Incorporation, proof of vehicle liability insurance, and proof of vehicle ownership for 1634114 Ontario Inc, received on July 14, 2005.

- 2. Only domestic and commercial waste shall be transported pursuant to this Provisional Certificate of Approval and in any case, no subject waste may be transported pursuant to this Provisional Certificate of Approval.
- 3. The Company shall promptly take whatever steps are necessary to contain and clean up any spills of waste which have resulted from the operation of this waste management system.
- 4. Waste shall only be delivered to a waste disposal site or facility which has a Certificate of Approval or a Provisional Certificate of Approval, and only where the waste being delivered complies with the Certificate of Approval or Provisional Certificate of Approval of the receiving waste disposal site or facility, and at no time shall waste be stored or transferred to your truck storage yard located at 65 Neil Avenue, Ottawa, Ontario.
- 5. All waste shall only be transported in a covered vehicle.

6. Any addition, deletion or other change to the fleet of vehicles, trailers and equipment (i.e., year, make, model, serial number, licence number and ownership of each vehicle, trailer or piece of equipment) in particular those which are leased or rented, shall be reported to the Director within fourteen (14) days of any such change.

7. Every vehicle used for the collection and transportation of waste pursuant to this Provisional Certificate of Approval shall be clearly marked with the company name and the number which appears on the face of the Certificate of Approval or Provisional Certificate of Approval that authorizes the collection and transportation of waste.

8. The following documents shall be with each vehicle operated pursuant to this Provisional Certificate of Approval at all times that the vehicle is being operated or contains any wastes:

- (a) A copy of this Provisional Certificate of Approval; and
- (b) A certificate of vehicle liability insurance specifying that it provides coverage of a minimum of one million dollars (\$1,000,000.00).

9. (1) The Company shall notify the Director in writing of any of the following changes within thirty (30) days of the changes occurring:

(a) change of Company name, owner or operating authority;

(b) change of Company address or address of new owner or operating authority;

(2) In the event of any change in ownership of the waste management system the company shall notify the succeeding (new owner) company of the existence of this Certificate, and a copy of such notice shall be forwarded to the Director.

(3) The Company shall ensure that all communications made pursuant to this condition will refer to this Certificate number.

The reasons for the imposition of these terms and conditions are as follows:

1. The reason for condition 1 is to set out clearly that this waste management system is operated in accordance with the application for this Provisional Certificate of Approval and the supporting information submitted therewith and not on a basis or in any way which the Director has not been asked to consider.

2. The reason for condition 2 is to ensure that this waste management system is only used to collect, handle and transport waste which it is able to in a suitable manner as the transportation of waste which this waste management system is not able to collect, handle and transport may create a nuisance or result in a hazard to the health and safety of any person or the natural environment.

3. The reason for condition 3 is to ensure that any waste spilled onto the vehicle is promptly contained and cleaned up to minimize the risk of further spillage or the discharge of waste from the vehicle to the environment and to ensure that the proper officials of the Ministry of the Environment are notified and able to give direction to the Company to ensure the complete decontamination of the vehicle and clean up of the spilled material.

4. The reason for condition 4 is to ensure that this waste management system is used to transport waste only to waste disposal sites or facilities that have been approved by the Ministry of the Environment to receive the waste which this waste management system is delivering under this Provisional Certificate of Approval, and that by accepting the waste being delivered by the waste management system, the waste disposal site and facilities will not be out of compliance with its Certificate of Approval or Provisional Certificate of Approval.

5. The reason for condition 5 is to ensure that waste particulates are not emitted to the environment as any such emission may result in a hazard to the health and safety of any person or the natural environment.

6. The reason for condition 6 is to ensure that all vehicles, trailers and equipment including those leased or rented for operation under this Provisional Certificate of Approval have been approved as part of a suitable waste transportation system to collect and transport waste as an unsuitable waste transportation system could result in a hazard to the health

and safety of any person or the natural environment.

7. The reason for condition 7 is to ensure that the collection, handling and transportation of waste is conducted in a safe and environmentally acceptable manner, as outlined in Regulation 347.

8. The reason for condition 8 is to ensure that all waste carriers have met and are operating in compliance with the standards for waste management systems outlined in Regulation 347.

9. The reason for condition 9 is to ensure that the waste management system is operated under the corporate, limited or the applicant's own name which appears on the application and supporting information submitted for this Provisional Certificate of Approval and not under any name which the Director has not been asked to consider.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Director
Section 9, *Environmental Protection Act*
Ministry of Environment and Energy
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted waste management system is approved under Section 39 of the Environmental Protection Act, and is subject to the Regulations made thereunder.

DATED AT TORONTO this 18th day of July, 2005

Aziz Ahmed, P.Eng.
Director
Section 39, *Environmental Protection Act*

AB/
c: District Manager, MOE Ottawa



Ministry
of the
Environment

Ministère
de
l'Environnement

CERTIFICATE OF APPROVAL
INDUSTRIAL SEWAGE WORKS
NUMBER 8277-68ZVSB

Suncor Energy Products Inc.
36 York Mills Road
North York, Ontario
M2P 2C5

Site Location: Stittsville Suncor Site
6250 Hazeldean Road
Ottawa City, Ontario

You have applied in accordance with Section 53 of the Ontario Water Resources Act for approval of:

- one (1) **oil/grit interceptor** (located south of manhole 'MH 5') located on 6250 Hazeldean Road, having a sediment capacity of 3,800 litres, an oil capacity of 915 litres, a total holding capacity of 4,871 litres, discharging to an existing drainage ditch surrounding the property;

all in accordance with the application dated October 7, 2004, signed by Marcel Benjamin, Manager, Suncor Energy Products Inc. and all supporting documentation and information, including final plans and specifications prepared by Bey Husika, Trow Associate Inc.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

- (1) "Certificate" means this entire Certificate of Approval document, issued in accordance with Section 53 of the *Ontario Water Resources Act*, and includes any schedules;
- (2) "Owner" means Suncor Energy Products Inc., and includes its successors and assignees; and
- (3) "Works" means the sewage works described in the Owner's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. GENERAL CONDITION

1.1 The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Works is notified of this Certificate and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

1.2 Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Works in accordance with the description given in this Certificate, the application for approval of the works and the submitted supporting documents and plans and specifications as listed in this Certificate.

1.3 Where there is a conflict between a provision of any submitted document referred to in this Certificate and the Conditions of this Certificate, the Conditions in this Certificate shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

1.4 Where there is a conflict between the listed submitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.

1.5 The requirements of this Certificate are severable. If any requirement of this Certificate, or the application of any requirement of this Certificate to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this certificate shall not be affected thereby.

2. The Owner shall design, construct and operate the oil/grit interceptor with the objective that no visible oil sheens occur in the effluent discharged from the oil/grit interceptor.

3. The Owner shall carry out and maintain an annual inspection and maintenance program on the operation of the oil/grit interceptor in accordance with the manufacturer's recommendation.

4. After a two (2) year period, the District Manager of the MOE District Office may alter the frequency of inspection of the oil/grit interceptor if he/she is requested to do so by the Owner and considers it acceptable upon review of information submitted in support of the request.

5. **SPILL CONTINGENCY PLAN**

5.1 Within six (6) months from the issuance of this Certificate, the Owner shall implement a spill contingency plan - that is a set of procedures describing how to mitigate the impacts of a spill within the area serviced by the works. This plan shall include as a minimum:

- (i) the name, job title and location (address) of the Owner, person in charge, management or person(s) in control of the facility;
- (ii) the name, job title and 24-hour telephone number of the person(s) responsible for activating the spill contingency plan;
- (iii) a site plan drawn to scale showing the facility, nearby buildings, streets, catchbasins & manholes, drainage patterns (including direction(s) of flow in storm sewers), any receiving body(ies) of water that could potentially be significantly impacted by a spill and any features which need to be taken into account in terms of potential impacts on access and response (including physical obstructions and location of response and clean-up equipment);
- (iv) steps to be taken to report, contain, clean up and dispose of contaminants following a spill;
- (v) a listing of telephone numbers for: local clean-up company(ies) who may be called upon to assist in responding to spills; local emergency responders including health institution(s); and MOE Spills Action Centre 1-800-268-6060;
- (vi) Materials Safety Data Sheets (MSDS) for each hazardous material which may be transported or stored within the area serviced by the works;
- (vii) the means (internal corporate procedures) by which the spill contingency plan is activated;
- (viii) a description of the spill response training provided to employees assigned to work in the area serviced by the works, the date(s) on which the training was provided and by whom;
- (ix) an inventory of response and clean-up equipment available to implement the spill contingency plan, location and, date of maintenance/replacement if warranted; and
- (x) the date on which the contingency plan was prepared and subsequently, amended.

5.2 The spill contingency plan shall be kept in a conspicuous, readily accessible location on-site.

5.3 The spill contingency plan shall be amended from time to time as required by changes in the operation

of the facility.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is imposed to ensure that the Works are built and operated in the manner in which they were described for review and upon which approval was granted. This condition is also included to emphasize the precedence of Conditions in the Certificate and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review. The condition also advises the Owners their responsibility to notify any person they authorized to carry out work pursuant to this Certificate the existence of this Certificate.
2. Conditions No. 2, 3 and 4 are imposed to ensure that the oil/grit interceptor is operated and maintained without any adverse impact on the environment.
3. Conditions 5.1, 5.2 and 5.3 are included to ensure that the Owner will implement the spill contingency plan, such that the environment is protected and deterioration, loss, injury or damage to any person(s) or property is prevented.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amended, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 101 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Director
Section 53, *Ontario Water Resources Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted sewage works are approved under Section 53 of the Ontario Water Resources Act.

DATED AT TORONTO this 4th day of February, 2005

Aziz Ahmed, P.Eng.
Director
Section 53, *Ontario Water Resources Act*

RS/

c: District Manager, MOE Ottawa District Office
Bey Husika, Trow Associate Inc.



Ministry of the Environment
Ministère de l'Environnement

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 8768-8S6MV7

Issue Date: March 12, 2012

JDNM Holdings Limited
2285 St. Laurent Boulevard, Unit A-13
Ottawa, Ontario
K1G 4Z4

Site Location: Oil Changers
1189 Carp Road
Part of West Half of Lot 23, Concession 12
City of Ottawa
K2S 1B9

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act , R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

the establishment of stormwater management Works to serve an automobile oil change and car wash facility site located at 1189 Carp Road, in the City of Ottawa, for the treatment and disposal of stormwater runoff from a catchment area of 0.31 ha, to provide Enhanced Level water quality protection and to attenuate post-development peak flows to pre-development levels, discharging to the existing 300 mm diameter storm sewer located along Carp Road, for all storm events up to and including the 100-year return storm, consisting of the following:

surface storage provided in a car park area located in the northern portion of the site, having an available storage volume of approx. 86.5 m³ and a maximum ponding depth of 0.29 m, discharging to on-site storage storm sewers;

underground storage provided in on-site two (2) catchbasins, three (3) catchbasin manholes, two (2) manholes and 250 mm diameter and 300 mm diameter storage storm sewers, having a total available storage volume of approx. 22.6 m³, discharging via a 300 mm diameter outlet pipe complete with an inlet control device allowing a maximum discharge of 16.4 L/s (100-year storm event) and an oil/grit separator to the existing 300 mm diameter storm sewer located along Carp Road,

one (1) oil/grit separator located at the south-west corner of the site, serving a catchment area of 0.31 ha, having a sediment storage capacity of 1,300 L, an oil storage capacity of 325 L, a total holding capacity of 1,753 L and a maximum treatment flow rate of 9 L/s, discharging via a 300 mm diameter storm sewer to the existing 300 mm diameter storm sewer located along Carp Road;

all in accordance with the application dated June 29, 2011 and received July 11, 2011, including the design report entitled "Stormwater Management Report, 1189 Carp Road, Ottawa, Ontario, Report No. 10021-SWM" dated June 8, 2010 and revised November 23, 2010, December 6, 2010 and May 6, 2011, final plans and specifications prepared by D.B. Gray Engineering Inc.

For the purpose of this environmental compliance approval, the following definitions apply:

1. "Approval" means this Environmental Compliance Approval and any Schedules to it, including the application and supporting documentation.
2. "Director" means any Ministry employee appointed by the Minister pursuant to section 5 of the Part II.1 of the Environmental Protection Act;
3. "District Manager" means the District Manager of the Ottawa District Office of the Ministry;
4. "Ministry" means the Ontario Ministry of the Environment;
5. "Owner" means JDNM Holdings Limited, and includes its successors and assignees;
6. "Works" means the sewage works described in the Owner's application, this Approval and in the supporting documentation referred to herein, to the extent approved by this Approval.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. GENERAL PROVISIONS

1.1 The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Works is notified of this Approval and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

1.2 Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Works in accordance with the description given in this Approval, the application for approval of the Works and the submitted supporting documents and plans and specifications as listed in this Approval.

1.3 Where there is a conflict between a provision of any submitted document referred to in this Approval and the Conditions of this Approval, the Conditions in this Approval shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

1.4 Where there is a conflict between the listed submitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.

1.5 The requirements of this Approval are severable. If any requirement of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this Approval shall not be affected thereby.

2. EXPIRY OF APPROVAL

The approval issued by this Approval will cease to apply to those parts of the Works which have not been constructed within five (5) years of the date of this Approval.

3. CHANGE OF OWNER

The Owner shall notify the District Manager and the Director, in writing, of any of the following changes within thirty (30) days of the change occurring:

(a) change of Owner;

(b) change of address of the Owner;

(c) change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act , R.S.O. 1990, c.B17 shall be included in the notification to the District Manager; and

(d) change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information Act , R.S.O. 1990, c. C39 shall be included in the notification to the District Manager.

4. SPILL CONTINGENCY PLAN

4.1 Within six (6) months from the issuance of this Approval, the Owner shall implement a spill contingency plan - that is a set of procedures describing how to mitigate the impacts of a spill within the area serviced by the Works. This plan shall include as a minimum:

(i) the name, job title and location (address) of the Owner, person in charge, management or person(s) in control of the facility;

(ii) the name, job title and 24-hour telephone number of the person(s) responsible for activating the spill contingency plan;

(iii) a site plan drawn to scale showing the facility, nearby buildings, streets, catchbasins & manholes, drainage patterns (including direction(s) of flow in storm sewers), any receiving body(ies) of water that could potentially be significantly impacted by a spill and any features which need to be taken into account in terms of potential impacts on access and response (including physical obstructions and location of response and clean-up equipment);

(iv) steps to be taken to report, contain, clean up and dispose of contaminants following a spill;

(v) a listing of telephone numbers for: local clean-up company(ies) who may be called upon to assist in responding to spills; local emergency responders including health institution(s); and MOE Spills Action Centre 1-800-268-6060;

(vi) Materials Safety Data Sheets (MSDS) for each hazardous material which may be transported or stored within the area serviced by the Works;

(vii) the means (internal corporate procedures) by which the spill contingency plan is activated;

(viii) a description of the spill response training provided to employees assigned to work in the area serviced by the Works, the date(s) on which the training was provided and by whom;

(ix) an inventory of response and clean-up equipment available to implement the spill contingency plan, location and, date of maintenance/replacement if warranted; and

(x) the date on which the contingency plan was prepared and subsequently, amended.

4.2 The spill contingency plan shall be kept in a conspicuous, readily accessible location on-site.

4.3 The spill contingency plan shall be amended from time to time as required by changes in the operation of the facility.

5. OPERATION AND MAINTENANCE

5.1 The Owner shall make all necessary investigations, take all necessary steps and obtain all necessary approvals so as to ensure that the physical structure, siting and operations of the stormwater management Works do not constitute a safety or health hazard to the general public.

5.2 The Owner shall design, construct and operate the oil/grit separator with the objective that the effluent from the oil/grit separator is essentially free of floating and settleable solids and does not contain oil or any other substance in amounts sufficient to create a visible film, sheen, foam or discolouration on the receiving waters.

5.3 The Owner shall carry out and maintain an annual inspection and maintenance program on the operation of the oil/grit separator in accordance with the manufacturer's recommendation.

5.4 After a two (2) year period, the District Manager of the MOE District Office may alter the frequency of inspection of the oil/grit separator if he/she is requested to do so by the Owner and considers it acceptable upon review of information submitted in support of the request.

5.5 The Owner shall ensure that the design storage volumes are maintained at all times.

5.6 The Owner shall undertake an inspection of the condition of the stormwater management Works, at least once a year, and undertake any necessary cleaning and maintenance to ensure that sediment, debris and excessive decaying vegetation are removed from the above noted stormwater management Works to prevent the excessive build-up of sediment, debris and/or decaying vegetation to avoid reduction of capacity of the Works. The Owner shall also regularly inspect and clean out the inlet to and outlet from the Works to ensure that these are not obstructed.

5.7 The Owner shall maintain a logbook to record the results of these inspections and any cleaning and maintenance operations undertaken, and shall keep the logbook at the Owner's corporate office for inspection by the Ministry. The logbook shall include the following:

(a) the name of the Works; and

(b) the date and results of each inspection, maintenance and cleaning, including an estimate of the quantity of any materials removed and method of clean-out of the stormwater management Works.

6. RECORD KEEPING

The Owner shall retain for a minimum of five (5) years from the date of their creation, all records and information related to or resulting from the operation and maintenance activities required by this Approval.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is imposed to ensure that the Works are built and operated in the manner in which they were described for review and upon which Approval was granted. This Condition is also included to emphasize the precedence of Conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review. The

Condition also advises the Owners their responsibility to notify any person they authorized to carry out work pursuant to this Approval of the existence of this Approval.

2. Condition 2 is included to ensure that, when the Works are constructed, the Works will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.
3. Condition 3 is included to ensure that the Ministry records are kept accurate and current with respect to approved Works and to ensure that subsequent owners of the Works are made aware of the Approval and continue to operate the Works in compliance with it.
4. Condition 4 is included to ensure that the Owner will implement the Spill Contingency Plan, such that the environment is protected and deterioration, loss, injury or damage to any person(s) or property is prevented.
5. Condition 5 is included as regular inspection and necessary removal of sediment and excessive decaying vegetation from this approved stormwater management Works are required to mitigate the impact of sediment, debris and/or decaying vegetation on the treatment capacity of the Works. It is also required to ensure that adequate storage is maintained in the stormwater management facilities at all times as required by the design. Furthermore, Condition 5 is included to ensure that the stormwater management Works are operated and maintained to function as designed.
6. Condition 6 is included to require that all records are retained for a sufficient time period to adequately evaluate the long-term operation and maintenance of the Works.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Director appointed for the
purposes of Part II.1 of the
Environmental Protection Act
Ministry of the Environment
2 St. Clair Avenue West, Floor
12A
Toronto, Ontario

*** Further information on the Environmental Review Tribunal 's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 12th day of March, 2012

Sherif Hegazy, P.Eng.

Director

appointed for the purposes of Part II.1 of
the *Environmental Protection Act*

KC/

c: District Manager, MOE Ottawa District Office

Douglas B. Gray, P.Eng., D.B. Gray Engineering Inc.

Guy Bourgon, P.Eng., Program Manager, City of Ottawa



ATTACHMENT E

ENVIRONMNETAL RISK INFORMATION SERVICES (ERIS) DATABASE REPORT & FIRE INSURANCE MAPS INFORMATION



DATABASE REPORT

Project Property: 017384 - Phase I ESA
1145 Carp Rd
Ottawa ON K2S1B9
017384

Project No:

Report Type: Standard Report

Order No: 20170809004

Requested by: Morey Associates Ltd

Date Completed: August 15, 2017

**Environmental Risk
Information Services**
A division of Glacier Media Inc.
P: 1.866.517.5204
E: info@erisinfo.com

www.erisinfo.com

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Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

Reliance on information in Report: This report DOES NOT replace a full Phase 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: 017384 - Phase I ESA
1145 Carp Rd Ottawa ON K2S1B9

Project No: 017384

Coordinates:

Latitude: 45.268578
Longitude: -75.939095
UTM Northing: 5,013,215.67
UTM Easting: 426,331.59
UTM Zone: UTM Zone 18T

Elevation: 397 FT
120.88 M

Order Information:

Order No: 20170809004
Date Requested: August 9, 2017
Requested by: Morey Associates Ltd
Report Type: Standard Report

Historical/Products:

ERIS Xplorer [Data and Historical Layer Viewer](#)
Insurance Products Fire Insurance Maps/Inspection Reports/Site Specific Plans
Physical Setting Report (PSR) PSR

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	39	39
CA	<i>Certificates of Approval</i>	Y	1	4	5
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	1	0	1
ECA	<i>Environmental Compliance Approval</i>	Y	1	4	5
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	1	5	6
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EXP	<i>List of TSSA Expired Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	4	4
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	2	2
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	2	2
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>TSSA Incidents</i>	Y	0	0	0
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense & Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense & Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence & Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBW	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGW	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PINC	<i>TSSA Pipeline Incidents</i>	Y	0	0	0
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	3	3
SPL	<i>Ontario Spills</i>	Y	0	1	1
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>TSSA Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	0	17	17
		Total:	4	81	85

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
<u>1</u>	ECA	Gendron Antiques ML Inc.	1145 Carp Rd Stittsville Ottawa ON K2S 1B9	-/0.0	0.00	<u>20</u>
<u>2</u>	CA	Gendron Antiques ML Inc.	1145 Carp Rd Stittsville Ottawa ON K2S 1B9	N/15.7	-0.35	<u>20</u>
<u>2</u>	EBR	Gendron Antiques ML Inc.	1145 Carp Road Ottawa ON K2S 1B9	N/15.7	-0.35	<u>20</u>
<u>2</u>	EHS		1145 Carp Rd Ottawa ON K2S1B9	N/15.7	-0.35	<u>20</u>

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
3	GEN	Deschenes& Poitras Dental Center	6255 Hazeldean Rd Stittsville ON K2S0X4	NE/36.6	-2.08	21
4	SCT	North Pole Technology Ltd.	1139 Carp Rd SS 8 Stittsville ON K2S 1B9	WNW/56.0	0.54	21
4	SCT	Granite Excellence	1139 Carp Rd Stittsville ON K2S 1B9	WNW/56.0	0.54	21
4	SCT	North Pole Technology Ltd.	1139 Carp Rd SS 8 Stittsville ON K2S 1B9	WNW/56.0	0.54	22
5	CA	Suncor Energy Products Inc.	6250 Hazeldean Road Ottawa ON K2S 1B9	SE/58.0	-4.70	22
5	FSTH	1496030 ONTARIO INC O/A GAS STN	6250 HAZELDEAN RD STITTSVILLE ON K2S 1B9	SE/58.0	-4.70	22
5	FSTH	548972 ONTARIO LTD O/A GAS STN	6250 HAZELDEAN RD STITTSVILLE ON K2S 1B9	SE/58.0	-4.70	23
6	BORE		ON	WNW/66.5	0.61	23
7	BORE		ON	E/68.3	-5.60	24
8	BORE		ON	SSE/68.3	-4.43	24
9	BORE		ON	E/70.0	-5.72	25
10	BORE		ON	SSE/70.8	-4.41	25
11	BORE		ON	SSE/74.4	-3.99	26
12	BORE		ON	E/75.4	-5.31	26
13	BORE		ON	SSW/76.9	-2.48	26
14	BORE		ON	SSW/78.2	-2.53	27
15	BORE		ON	SSW/85.3	-2.70	27
16	CA	R.M. OF OTTAWA-CARLETON	HAZELDEAN RD./CARP RD. GOULBOURN TWP. ON	S/87.8	-3.11	28
16	CA	R.M. OF OTTAWA-CARLETON	HAZELDEAN RD./CARP RD. GOULBOURN TWP. ON	S/87.8	-3.11	28
16	CA	City of Ottawa	Hazeldean Road & Carp Road Ottawa ON	S/87.8	-3.12	28
16	ECA	City of Ottawa	Hazeldean Road & Carp Road Ottawa ON K1P 1J1	S/87.8	-3.12	28
16	ECA	City of Ottawa	Hazeldean Road & Carp Road Ottawa ON K1P 1J1	S/87.8	-3.12	29
17	WWIS		lot 23 con 12 ON	SW/91.7	-1.98	29

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
18	ECA	Suncor Energy Products Inc.	6250 Hazeldean Road Ottawa ON M2P 2C5	SE/94.4	-3.46	31
18	FST	SUNCOR ENERGY PRODUCTS PARTNERSHIP	6250 HAZELDEAN RD STITTSVILLE ON K2S 1B9	SE/94.4	-3.46	31
18	FST	SUNCOR ENERGY PRODUCTS PARTNERSHIP	6250 HAZELDEAN RD STITTSVILLE ON K2S 1B9	SE/94.4	-3.46	32
18	FST	SUNCOR ENERGY PRODUCTS PARTNERSHIP	6250 HAZELDEAN RD STITTSVILLE ON K2S 1B9	SE/94.4	-3.46	32
18	FST	SUNCOR ENERGY PRODUCTS PARTNERSHIP	6250 HAZELDEAN RD STITTSVILLE ON K2S 1B9	SE/94.4	-3.46	32
19	BORE		ON	S/97.7	-3.67	32
20	BORE		ON	S/99.3	-3.58	33
21	BORE		ON	SSW/102.0	-3.05	33
22	BORE		ON	SSW/103.8	-3.28	34
23	WWIS		lot 23 con 12 ON	N/105.3	-3.15	34
24	BORE		ON	SSW/106.1	-3.41	37
25	BORE		ON	W/107.0	-0.11	37
26	WWIS		lot 23 con 12 ON	W/107.6	-1.05	37
27	WWIS		lot 23 con 12 ON	SSE/108.1	-3.48	39
28	BORE		ON	W/110.7	-0.31	41
29	WWIS		ON	SSE/110.8	-3.57	42
30	WWIS		lot 23 con 12 ON	WNW/113.3	0.15	44
31	WWIS		lot 23 con 12 ON	S/121.1	-2.26	46
32	SPL	PRIVATE OWNER	1127 CARP RD. STITTSVILLE. RITE-WAY AUTO REFINISHING. STORAGE TANK/BARREL NEPEAN CITY ON K2S 1B9	NW/121.8	0.60	47
33	EHS		1130 Carp Road Stittsville ON K2S 1B9	W/123.2	-0.62	48
34	EHS		1127 Carp Road Ottawa ON	WNW/127.0	0.04	48
35	EHS		6315 Hazeldean Rd and 1140 Carp Road Ottawa ON K2S0T2	SSW/130.1	-3.82	48
36	WWIS		lot 23 con 12 ON	SE/132.9	-2.99	48
37	BORE		ON	SSW/137.8	-4.30	50
38	WWIS		lot 23 con 12 ON	WNW/138.0	0.20	51
39	BORE		ON	SSW/141.4	-4.50	53

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
40	BORE		ON	SSW/142.1	-4.52	54
41	WWIS		lot 23 con 12 ON	S/143.8	-2.15	54
42	BORE		ON	SSW/144.5	-4.58	56
43	WWIS		lot 23 con 12 ON	WNW/144.6	-0.13	57
44	BORE		ON	SSW/145.5	-4.59	59
45	EHS		1122 and 1130 Carp Road Ottawa ON	WNW/147.6	-0.54	59
46	BORE		ON	SSW/149.0	-4.67	59
47	WWIS		lot 23 con 12 ON	W/152.5	-1.77	60
48	ECA	JDNM Holdings Limited	1189 Carp Rd Stittsville Ottawa ON K1G 4Z4	ESE/155.4	-2.16	62
48	GEN	JDNM Holdings Inc	1189 Carp Rd Ottawa ON K2S 1B9	ESE/155.4	-2.16	62
49	EHS		1122 Carp Road Stittsville (Ottawa) ON K2S 1B9	W/161.3	-2.04	62
50	BORE		ON	SE/176.9	-2.34	62
51	BORE		ON	SE/178.8	-2.33	63
52	WWIS		lot 23 con 12 ON	SE/182.2	-2.13	63
53	BORE		ON	SE/184.3	-2.15	65
54	WWIS		ON	ESE/187.4	-5.90	66
55	BORE		ON	WNW/194.1	-0.77	66
56	BORE		ON	WNW/195.0	-0.82	67
57	BORE		ON	WNW/197.1	-0.08	67
57	WWIS		lot 23 con 12 ON	WNW/197.1	-0.07	68
58	BORE		ON	SSW/209.9	-3.80	69
59	BORE		ON	ENE/213.2	-8.35	70
60	BORE		ON	ENE/213.9	-8.45	70
61	WWIS		lot 23 con 12 ON	NW/226.6	-2.89	71
62	WWIS		lot 23 con 12 ON	ESE/231.1	-4.27	73
63	BORE		ON	ESE/234.4	-3.25	76

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
64	BORE		ON	ESE/236.0	-3.23	77
65	BORE		ON	SSW/237.2	-4.00	77
66	BORE		ON	SSW/239.7	-3.66	77
67	BORE		ON	ESE/240.0	-3.25	78
68	BORE		ON	SSW/241.6	-3.79	78
69	BORE		ON	SSW/245.0	-4.91	79

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2014 has found that there are 39 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	WNW	66.47	<u>6</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	E	68.32	<u>7</u>
	ON	SSE	68.34	<u>8</u>
	ON	E	70.04	<u>9</u>
	ON	SSE	70.85	<u>10</u>
	ON	SSE	74.36	<u>11</u>
	ON	E	75.43	<u>12</u>
	ON	SSW	76.94	<u>13</u>
	ON	SSW	78.23	<u>14</u>
	ON	SSW	85.29	<u>15</u>
	ON	S	97.72	<u>19</u>
	ON	S	99.26	<u>20</u>
	ON	SSW	101.99	<u>21</u>
	ON	SSW	103.82	<u>22</u>
	ON	SSW	106.12	<u>24</u>
	ON	W	107.01	<u>25</u>
	ON	W	110.74	<u>28</u>
	ON	SSW	137.79	<u>37</u>

ON	SSW	141.41	39
ON	SSW	142.09	40
ON	SSW	144.51	42
ON	SSW	145.52	44
ON	SSW	149.03	46
ON	SE	176.88	50
ON	SE	178.79	51
ON	SE	184.30	53
ON	WNW	194.09	55
ON	WNW	195.03	56
ON	WNW	197.15	57
ON	SSW	209.89	58
ON	ENE	213.15	59
ON	ENE	213.87	60
ON	ESE	234.37	63
ON	ESE	236.00	64
ON	SSW	237.16	65
ON	SSW	239.72	66
ON	ESE	239.96	67
ON	SSW	241.56	68
ON	SSW	244.96	69

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 5 CA site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
-------------------------------	-----------------------	-------------------------	----------------------------	-----------------------

Gendron Antiques ML Inc.	1145 Carp Rd Stittsville Ottawa ON K2S 1B9	N	15.73	2
Suncor Energy Products Inc.	6250 Hazeldean Road Ottawa ON K2S 1B9	SE	58.01	5
R.M. OF OTTAWA-CARLETON	HAZELDEAN RD./CARP RD. GOULBOURN TWP. ON	S	87.78	16
R.M. OF OTTAWA-CARLETON	HAZELDEAN RD./CARP RD. GOULBOURN TWP. ON	S	87.78	16
City of Ottawa	Hazeldean Road & Carp Road Ottawa ON	S	87.78	16

EBR - Environmental Registry

A search of the EBR database, dated 1994-Jul 2017 has found that there are 1 EBR site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Gendron Antiques ML Inc.	1145 Carp Road Ottawa ON K2S 1B9	N	15.73	2

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Mar 2017 has found that there are 5 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Gendron Antiques ML Inc.	1145 Carp Rd Stittsville Ottawa ON K2S 1B9	-	0.00	1

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
City of Ottawa	Hazeldean Road & Carp Road Ottawa ON K1P 1J1	S	87.78	16
City of Ottawa	Hazeldean Road & Carp Road Ottawa ON K1P 1J1	S	87.78	16
Suncor Energy Products Inc.	6250 Hazeldean Road Ottawa ON M2P 2C5	SE	94.37	18
JDNM Holdings Limited	1189 Carp Rd Stittsville Ottawa ON K1G 4Z4	ESE	155.43	48

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 2016 has found that there are 6 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1127 Carp Road Ottawa ON	WNW	126.98	34

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1145 Carp Rd Ottawa ON K2S1B9	N	15.73	2
	1130 Carp Road Stittsville ON K2S 1B9	W	123.16	33
	6315 Hazeldean Rd and 1140 Carp Road Ottawa ON K2S0T2	SSW	130.15	35
	1122 and 1130 Carp Road Ottawa ON	WNW	147.63	45
	1122 Carp Road Stittsville (Ottawa) ON K2S 1B9	W	161.29	49

FST - Fuel Storage Tank

A search of the FST database, dated Feb 28, 2017 has found that there are 4 FST site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
SUNCOR ENERGY PRODUCTS PARTNERSHIP	6250 HAZELDEAN RD STITTSVILLE ON K2S 1B9	SE	94.37	18
SUNCOR ENERGY PRODUCTS PARTNERSHIP	6250 HAZELDEAN RD STITTSVILLE ON K2S 1B9	SE	94.37	18
SUNCOR ENERGY PRODUCTS PARTNERSHIP	6250 HAZELDEAN RD STITTSVILLE ON K2S 1B9	SE	94.37	18
SUNCOR ENERGY PRODUCTS PARTNERSHIP	6250 HAZELDEAN RD STITTSVILLE ON K2S 1B9	SE	94.37	18

FSTH - Fuel Storage Tank - Historic

A search of the FSTH database, dated Pre-Jan 2010* has found that there are 2 FSTH site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
548972 ONTARIO LTD O/A GAS STN	6250 HAZELDEAN RD STITTSVILLE ON K2S 1B9	SE	58.01	5
1496030 ONTARIO INC O/A GAS STN	6250 HAZELDEAN RD STITTSVILLE ON K2S 1B9	SE	58.01	5

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Sep 2016 has found that there are 2 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Deschenes& Poitras Dental Center	6255 Hazeldean Rd Stittsville ON K2S0X4	NE	36.56	3
JDNM Holdings Inc	1189 Carp Rd Ottawa ON K2S 1B9	ESE	155.43	48

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 3 SCT site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Granite Excellence	1139 Carp Rd Stittsville ON K2S 1B9	WNW	55.98	4
North Pole Technology Ltd.	1139 Carp Rd SS 8 Stittsville ON K2S 1B9	WNW	55.98	4
North Pole Technology Ltd.	1139 Carp Rd SS 8 Stittsville ON K2S 1B9	WNW	55.98	4

SPL - Ontario Spills

A search of the SPL database, dated 1988-Feb 2017 has found that there are 1 SPL site(s) within approximately 0.25 kilometers of the project property.

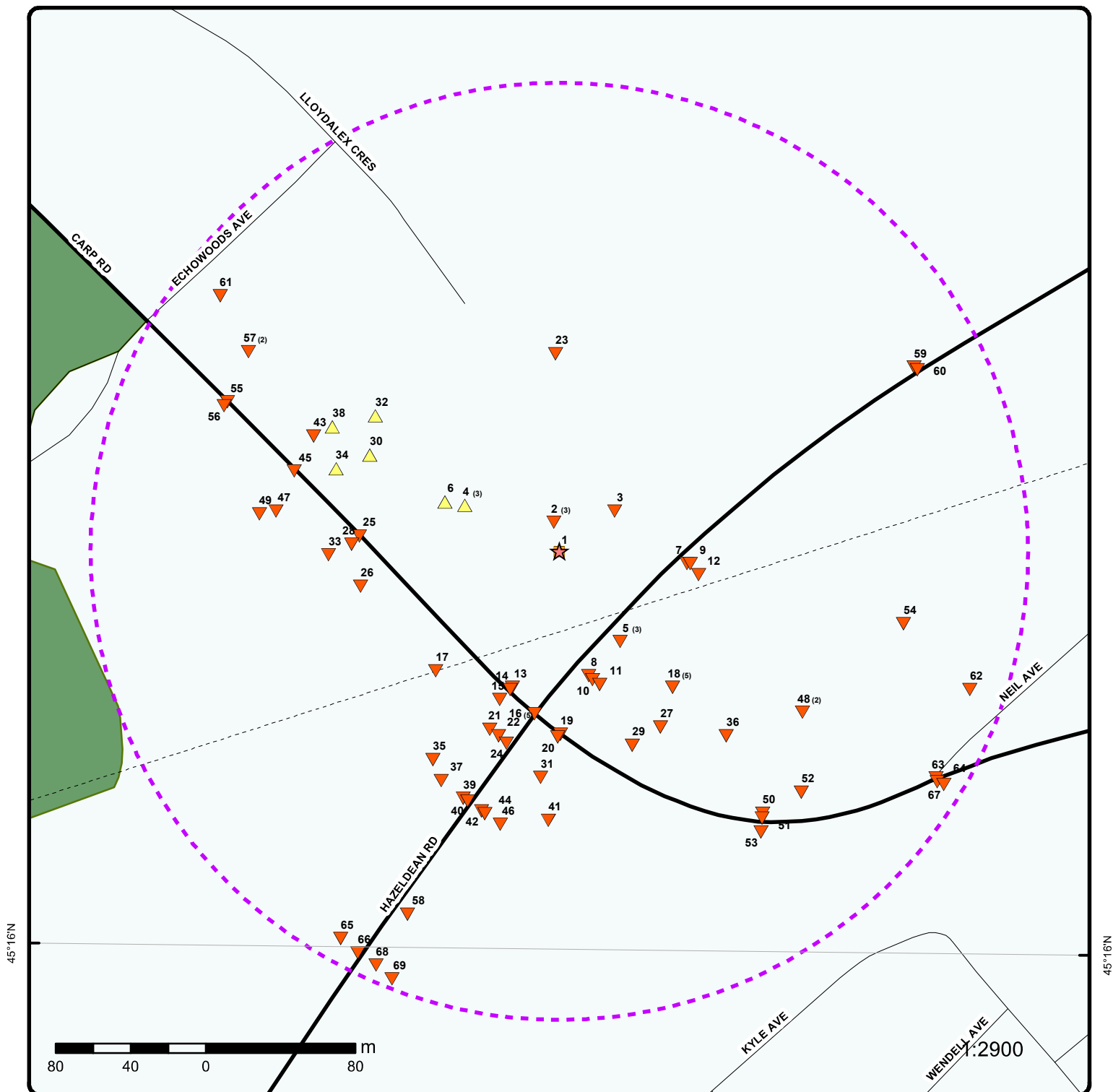
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
PRIVATE OWNER	1127 CARP RD. STITTSVILLE. RITE-WAY AUTO REFINISHING. STORAGE TANK/BARREL NEPEAN CITY ON K2S 1B9	NW	121.75	32

WWIS - Water Well Information System

A search of the WWIS database, dated Jun 30, 2016 has found that there are 17 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 23 con 12 ON	WNW	113.29	30
	lot 23 con 12 ON	WNW	137.98	38
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 23 con 12 ON	SW	91.70	17
	lot 23 con 12 ON	N	105.35	23
	lot 23 con 12 ON	W	107.63	26
	lot 23 con 12 ON	SSE	108.13	27
	ON	SSE	110.77	29
	lot 23 con 12 ON	S	121.09	31
	lot 23 con 12 ON	SE	132.89	36
	lot 23 con 12 ON	S	143.80	41

lot 23 con 12 ON	WNW	144.64	<u>43</u>
lot 23 con 12 ON	W	152.49	<u>47</u>
lot 23 con 12 ON	SE	182.21	<u>52</u>
ON	ESE	187.44	<u>54</u>
lot 23 con 12 ON	WNW	197.15	<u>57</u>
lot 23 con 12 ON	NW	226.59	<u>61</u>
lot 23 con 12 ON	ESE	231.07	<u>62</u>



Map : 0.25 Kilometer Radius

Order No: 20170809004

Address: 1145 Carp Rd, Ottawa, ON, K2S1B9

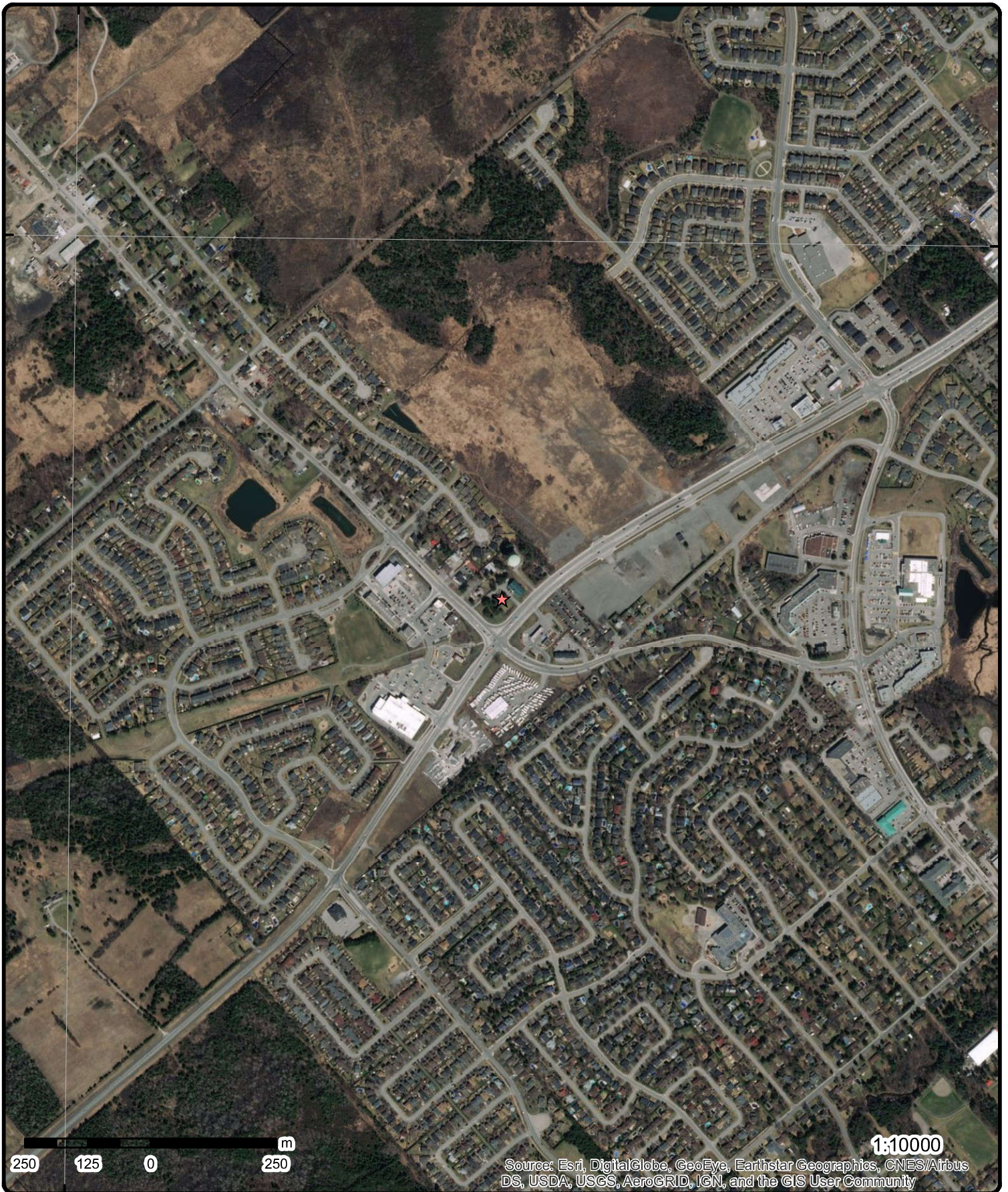


	Project Property		Expressway		Industrial and Resource - Regions		National Park
	Buffer Outline		Principal Highway		Main Line		Provincial or Territorial Park
	Eris Sites with Higher Elevation		Secondary Highway		Sidetrack		Other Park
	Eris Sites with Same Elevation		Major Road		Transit Line		Golf Course or Driving Range
	Eris Sites with Lower Elevation		Local road		Abandoned Line		Park or Sports Field
	Eris Sites with Unknown Elevation		Trail				Other Recreation Area
			Proposed Road				
			Ferry Route/Ice Road				

75°57'W

45°16'30"N

45°16'30"N



Aerial

Address: 1145 Carp Rd, Ottawa, ON, K2S1B9

Source: ESRI World Imagery

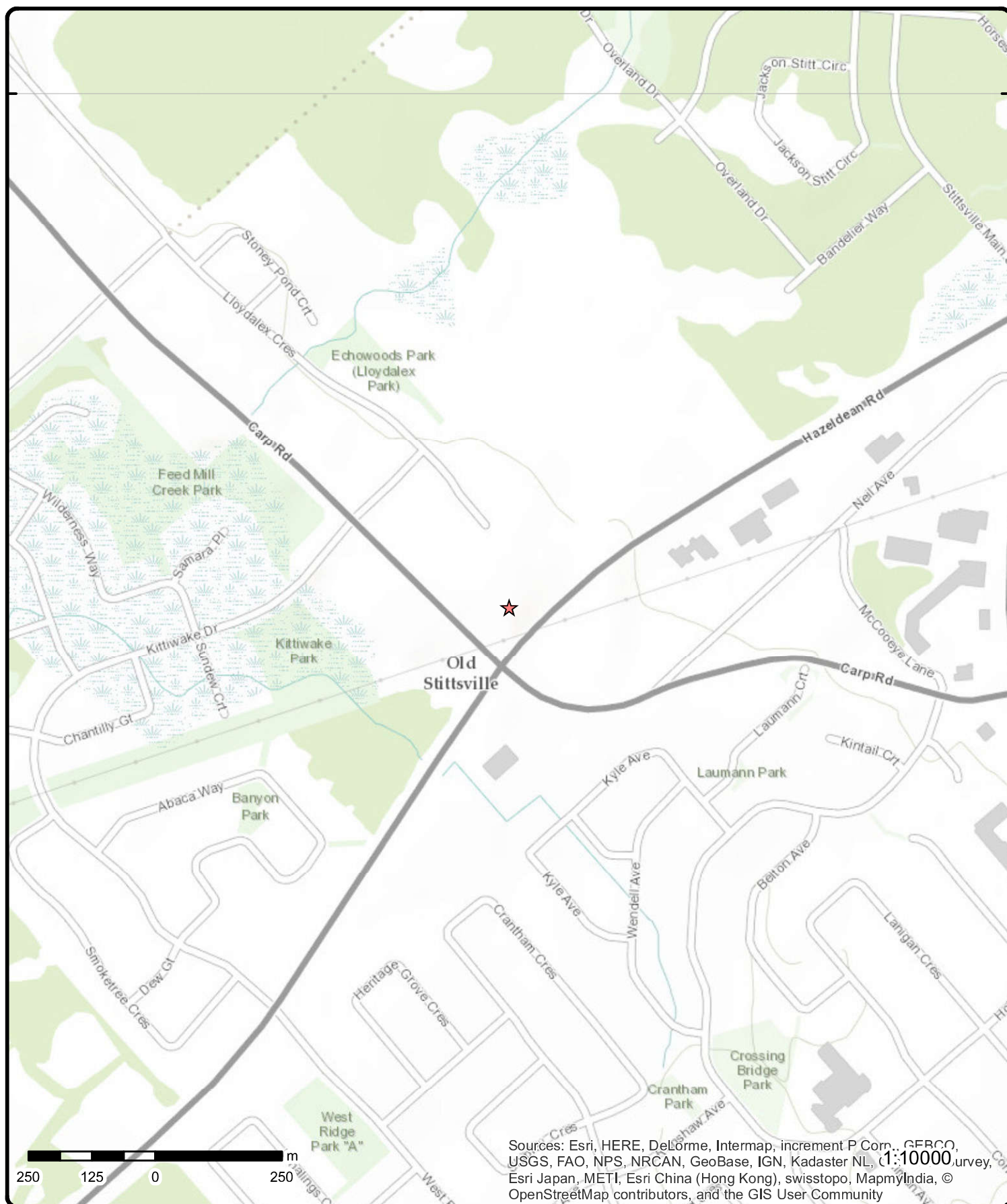
Order No: 20170809004



© ERIS Information Limited Partnership

45°16'30"N

45°16'30"N



Topographic Map

Address: 1145 Carp Rd, Ottawa, ON, K2S1B9

Source: ESRI World Topographic Map

Order No: 20170809004



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	1 of 1	-/0.0	128.1	Gendron Antiques ML Inc. 1145 Carp Rd Stittsville Ottawa ON K2S 1B9	ECA
Approval No: Project Type: Date: Status: Longitude: Latitude: Record Type: PDF URL: Full Address:		1358-7KAST8 Air 11/3/2008 3:55:03 PM Approved -75.93912 45.26876 ECA https://www.accessenvironment.ene.gov.on.ca/instruments/2044-7ANQWR-14.pdf			
2	1 of 3	N/15.7	127.8	Gendron Antiques ML Inc. 1145 Carp Rd Stittsville Ottawa ON K2S 1B9	CA
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control::		1358-7KAST8 2008 11/3/2008 Air Approved 			
2	2 of 3	N/15.7	127.8	Gendron Antiques ML Inc. 1145 Carp Road Ottawa ON K2S 1B9	EBR
Company Name: Year: Notice Type: EBR Registry No.: Instrument Type: Proposal Date: Ministry Ref. No.: Location: Proponent Address: Notice Date:		2008 Instrument Proposal 010-2609 (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air) January 25, 2008 2044-7ANQWR 1145 Carp Road Ottawa, Ontario K2S 1B9 1145 Carp Road Stittsville Ontario Canada K2S 1B9 			
2	3 of 3	N/15.7	127.8	1145 Carp Rd Ottawa ON K2S1B9	EHS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Postal Code: City: Address2: Address1: Provstate: Order No.: Addit. Info Ordered:: Report Date: Report Type: Search Radius (km):		K2S1B9 Ottawa 1145 Carp Rd ON 20150527080 02-JUN-15 Custom Report .25			
3	1 of 1	NE/36.6	126.0	Deschenes& Poitras Dental Center 6255 Hazeldean Rd Stittsville ON K2S0X4	GEN
PO Box Num: Status: Country: Generator #: Approval Yrs.: SIC Code: SIC Description:		Registered Canada ON3346063 As of Sep 2016 --Details-- Waste Code: Waste Description:			
		312 P Pathological wastes			
4	1 of 3	WNW/56.0	128.7	North Pole Technology Ltd. 1139 Carp Rd SS 8 Stittsville ON K2S 1B9	SCT
Established: Plant Size (ft²): Employment:		5/1/1998 --Details-- Description: SIC/NAICS Code:			
		All Other Non-Metallic Mineral Product Manufacturing 327990			
Description: SIC/NAICS Code:		Glass Product Manufacturing from Purchased Glass 327215			
Description: SIC/NAICS Code:		All Other Wholesaler-Distributors 418990			
4	2 of 3	WNW/56.0	128.7	Granite Excellence 1139 Carp Rd Stittsville ON K2S 1B9	SCT
Established: Plant Size (ft²): Employment:		01-JUN-98 --Details-- Description: SIC/NAICS Code:			
		Other Home Furnishings Wholesaler-Distributors 414390			
Description:		Other Home Furnishings Wholesaler-Distributors			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
SIC/NAICS Code:		414390			
Description:		All Other Wholesaler-Distributors			
SIC/NAICS Code:		418990			
Description:		Other Specialty-Line Building Supplies Wholesaler-Distributors			
SIC/NAICS Code:		416390			
Description:		Industrial Machinery, Equipment and Supplies Wholesaler-Distributors			
SIC/NAICS Code:		417230			
<u>4</u>	3 of 3	WNW/56.0	128.7	North Pole Technology Ltd. 1139 Carp Rd SS 8 Stittsville ON K2S 1B9	SCT
Established:		01-SEP-98			
Plant Size (ft²):					
Employment:					
--Details--					
Description:		All Other Non-Metallic Mineral Product Manufacturing			
SIC/NAICS Code:		327990			
Description:		Glass Product Manufacturing from Purchased Glass			
SIC/NAICS Code:		327215			
Description:		All Other Wholesaler-Distributors			
SIC/NAICS Code:		418990			
<u>5</u>	1 of 3	SE/58.0	123.4	Suncor Energy Products Inc. 6250 Hazeldean Road Ottawa ON K2S 1B9	CA
Certificate #:		8277-68ZVSB			
Application Year:		2005			
Issue Date:		2/4/2005			
Approval Type:		Industrial Sewage Works			
Status:		Approved			
Application Type:					
Client Name::					
Client Address::					
Client City::					
Client Postal Code::					
Project Description::					
Contaminants::					
Emission Control::					
<u>5</u>	2 of 3	SE/58.0	123.4	1496030 ONTARIO INC O/A GAS STN 6250 HAZELDEAN RD STITTSVILLE ON K2S 1B9	FSTH
License Issue Date:		11/9/2006			
Tank Status:		Pending Renewal			
Tank Status As Of:		August 2007			
Operation Type:		Retail Fuel Outlet			
Facility Type:		Gasoline Station - Self Serve			
--Details--					
Status:		Removed			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Year of Installation: Corrosion Protection: Capacity: 50000 Tank Fuel Type: Liquid Fuel Double Wall UST - Diesel Status: Active Year of Installation: 2006 Corrosion Protection: Capacity: 50000 Tank Fuel Type: Liquid Fuel Double Wall UST - Gasoline Status: Active Year of Installation: 2006 Corrosion Protection: Capacity: 50000 Tank Fuel Type: Liquid Fuel Double Wall UST - Gasoline Status: Active Year of Installation: 2006 Corrosion Protection: Capacity: 50000 Tank Fuel Type: Liquid Fuel Double Wall UST - Gasoline					
5	3 of 3	SE/58.0	123.4	548972 ONTARIO LTD O/A GAS STN 6250 HAZELDEAN RD STITTSVILLE ON K2S 1B9	FSTH
License Issue Date: 2/8/2008 5:17:00 PM Tank Status: Pending Renewal Tank Status As Of: December 2008 Operation Type: Retail Fuel Outlet Facility Type: Gasoline Station - Self Serve --Details-- Status: Active Year of Installation: 2006 Corrosion Protection: Capacity: 50000 Tank Fuel Type: Liquid Fuel Double Wall UST - Gasoline Status: Active Year of Installation: 2006 Corrosion Protection: Capacity: 50000 Tank Fuel Type: Liquid Fuel Double Wall UST - Gasoline Status: Active Year of Installation: 2006 Corrosion Protection: Capacity: 50000 Tank Fuel Type: Liquid Fuel Double Wall UST - Gasoline					
6	1 of 1	WNW/66.5	128.7	ON	BORE
Borehole ID: 609562 Use: Drill Method:: Easting:: 426271 Location Accuracy:: Elev. Reliability Note::					
Type: Borehole Status:: UTM Zone:: 18 Northing:: 5013242 Orig. Ground Elev m:: 123 DEM Ground Elev m:: 128					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Total Depth m:: Township:: Lot:: Completion Date:: Primary Water Use::	-999			Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::	-999.9
--Details--					
Stratum ID: Bottom Depth(m):	218383515 12.2			Top Depth(m): Stratum Desc:	0.0 SAND, GRAVEL.
Stratum ID: Bottom Depth(m):	218383516			Top Depth(m): Stratum Desc:	12.2 BEDROCK, LIMESTONE. TILL, SILT, SAND. GREY. = 10000. N. 00101ISMIC VELOCITY = 22300.

7	1 of 1	E/68.3	122.5	ON	BORE
Borehole ID: Use: Drill Method:: Easting:: Location Accuracy:: Elev. Reliability Note:: Total Depth m:: Township:: Lot:: Completion Date:: Primary Water Use::	808490 Geotechnical/Geological Investigation Hollow stem auger 426399.62 3.7 29-APR-2004			Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::	Borehole 18 5013209.15 124 120 BH 04-56 -999.9
--Details--					
Stratum ID: Bottom Depth(m):	218596559 0.3			Top Depth(m): Stratum Desc:	0.0 Asphalt
Stratum ID: Bottom Depth(m):	218596560 0.6			Top Depth(m): Stratum Desc:	0.3 Brown Base Sand - Gravel
Stratum ID: Bottom Depth(m):	218596561 1.0			Top Depth(m): Stratum Desc:	0.6 Brown Subbase Sand With: Gr
Stratum ID: Bottom Depth(m):	218596562 2.3			Top Depth(m): Stratum Desc:	1.0 Brown Compact Sand
Stratum ID: Bottom Depth(m):	218596563 3.0			Top Depth(m): Stratum Desc:	2.3 Brown Compact Sand Trace: Gr
Stratum ID: Bottom Depth(m):	218596564 3.7			Top Depth(m): Stratum Desc:	3.0 Brown Dense Sand With: Gr

8	1 of 1	SSE/68.3	123.7	ON	BORE
Borehole ID: Use: Drill Method:: Easting:: Location Accuracy:: Elev. Reliability Note:: Total Depth m:: Township:: Lot::	808197 Geotechnical/Geological Investigation Other Method 426347.07 1.5 			Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name:: Concession:: Municipality:	Borehole 18 5013149.13 -999.9 121 3+243 28.00 Lt

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB	
Completion Date::		30-MAY-2000		Static Water Level::		-999.9
Primary Water Use::				Sec. Water Use::		
--Details--						
Stratum ID:		218595629		Top Depth(m):		0.0
Bottom Depth(m):		0.2		Stratum Desc:		Asphalt
Stratum ID:		218595630		Top Depth(m):		0.2
Bottom Depth(m):		0.3		Stratum Desc:		Base Sand - Gravel
Stratum ID:		218595631		Top Depth(m):		0.3
Bottom Depth(m):		1.5		Stratum Desc:		Sand With: Gr Trace: Si
9	1 of 1	E/70.0	122.4	ON	BORE	
Borehole ID:		808491		Type:		Borehole
Use:		Geotechnical/Geological Investigation		Status::		
Drill Method::		Hollow stem auger		UTM Zone::		18
Easting::		426401.31		Northing::		5013209.12
Location Accuracy::				Orig. Ground Elev m::		124
Elev. Reliability Note::				DEM Ground Elev m::		120
Total Depth m::		2.1		Primary Name::		BH 04-57
Township::				Concession::		
Lot::				Municipality:		
Completion Date::		29-APR-2004		Static Water Level::		-999.9
Primary Water Use::				Sec. Water Use::		
--Details--						
Stratum ID:		218596565		Top Depth(m):		0.0
Bottom Depth(m):		0.2		Stratum Desc:		Asphalt
Stratum ID:		218596566		Top Depth(m):		0.2
Bottom Depth(m):		1.1		Stratum Desc:		Brown Base Sand - Gravel
Stratum ID:		218596567		Top Depth(m):		1.1
Bottom Depth(m):		2.1		Stratum Desc:		Brown Compact Sand
10	1 of 1	SSE/70.8	123.7	ON	BORE	
Borehole ID:		808198		Type:		Borehole
Use:		Geotechnical/Geological Investigation		Status::		
Drill Method::		Other Method		UTM Zone::		18
Easting::		426349.38		Northing::		5013147.09
Location Accuracy::				Orig. Ground Elev m::		-999.9
Elev. Reliability Note::				DEM Ground Elev m::		122
Total Depth m::		1.5		Primary Name::		3+246 28.00 Lt
Township::				Concession::		
Lot::				Municipality:		
Completion Date::		30-MAY-2000		Static Water Level::		-999.9
Primary Water Use::				Sec. Water Use::		
--Details--						
Stratum ID:		218595632		Top Depth(m):		0.0
Bottom Depth(m):		0.0		Stratum Desc:		Asphalt
Stratum ID:		218595633		Top Depth(m):		0.0
Bottom Depth(m):		0.2		Stratum Desc:		Base Sand - Gravel

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Stratum ID:	218595634			Top Depth(m):	0.2
Bottom Depth(m):	1.5			Stratum Desc:	Sand With: Gr
11	1 of 1	SSE/74.4	124.1	ON	BORE
Borehole ID:	808201			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Other Method			UTM Zone::	18
Easting::	426353.14			Northing::	5013144.52
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	122
Total Depth m::	-99			Primary Name::	3+251 28.00 Lt
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	30-MAY-2000			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218595641			Top Depth(m):	0.0
Bottom Depth(m):	0.0			Stratum Desc:	Sand - Gravel
12	1 of 1	E/75.4	122.8	ON	BORE
Borehole ID:	808661			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hand auger			UTM Zone::	18
Easting::	426405.95			Northing::	5013203.03
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	120
Total Depth m::	.2			Primary Name::	AH 04-58
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	10-MAY-2004			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218597290			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Dark Brown Topsoil
Stratum ID:	218597291			Top Depth(m):	0.1
Bottom Depth(m):	0.2			Stratum Desc:	Brown Sand - Gravel Occasional: Cob
13	1 of 1	SSW/76.9	125.6	ON	BORE
Borehole ID:	808190			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Other Method			UTM Zone::	18
Easting::	426306.55			Northing::	5013142.89
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	125
Total Depth m::	1.5			Primary Name::	3+215 2.00 Rt
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	30-MAY-2000			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--Details--					
Stratum ID:	218595603			Top Depth(m):	0.0
Bottom Depth(m):	0.4			Stratum Desc:	Asphalt
Stratum ID:	218595604			Top Depth(m):	0.4
Bottom Depth(m):	0.5			Stratum Desc:	Base Sand - Gravel
Stratum ID:	218595605			Top Depth(m):	0.5
Bottom Depth(m):	1.5			Stratum Desc:	Silt - Sand With: Gr
<hr/>					
14	1 of 1	SSW/78.2	125.6	ON	BORE
Borehole ID:	808191			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Other Method			UTM Zone::	18
Easting::	426305.47			Northing::	5013141.91
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	125
Total Depth m::	1.5			Primary Name::	3+215 3.40 Rt
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	30-MAY-2000			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218595606			Top Depth(m):	0.0
Bottom Depth(m):	0.2			Stratum Desc:	Asphalt
Stratum ID:	218595607			Top Depth(m):	0.2
Bottom Depth(m):	0.4			Stratum Desc:	Base Sand - Gravel
Stratum ID:	218595608			Top Depth(m):	0.4
Bottom Depth(m):	1.5			Stratum Desc:	Silt - Sand With: Gr Occasional: Cob
<hr/>					
15	1 of 1	SSW/85.3	125.4	ON	BORE
Borehole ID:	808192			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Other Method			UTM Zone::	18
Easting::	426299.78			Northing::	5013136.51
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	125
Total Depth m::	.3			Primary Name::	3+215 11.40 Rt
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	30-MAY-2000			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218595609			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Topsoil
Stratum ID:	218595610			Top Depth(m):	0.1
Bottom Depth(m):	0.3			Stratum Desc:	Sand - Gravel

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Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Formation ID:		930995635			
Layer:		1			
General Color:					
Most Common Material:		GRAVEL			
Other Materials:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		10			
Formation End Depth UOM:		ft			
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Formation ID:		930995636			
Layer:		2			
General Color:		RED			
Most Common Material:		MEDIUM SAND			
Other Materials:					
Other Materials:					
Formation Top Depth:		10			
Formation End Depth:		30			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		930995637			
Layer:		3			
General Color:		GREY			
Most Common Material:		LIMESTONE			
Other Materials:					
Other Materials:					
Formation Top Depth:		30			
Formation End Depth:		50			
Formation End Depth UOM:		ft			
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Method of Construction & Well Use					
--		--			
Method Construction ID:		961502947			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
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Pipe Information					
--		--			
Pipe ID:		10573560			
Casing Number:		1			
Comment:					
Alt Name:					
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Construction Record - Casing					
--		--			
Casing ID:		930042761			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		30			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
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Casing ID:		930042762			
Layer:		2			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		50			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
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Well Yield Testing					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
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Pump Test ID:		991502947			
Pump Set At:					
Static Level:		20			
Final Level After Pumping:		25			
Recommended Pump Depth:					
Pumping Rate:		2			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		0			
Pumping Duration MIN:		30			
Flowing:		N			
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Water Details					
--	--	--	--	--	--
Water ID:		933455766			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		50			
Water Found Depth UOM:		ft			
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18	1 of 5	SE/94.4	124.7	Suncor Energy Products Inc. 6250 Hazeldean Road Ottawa ON M2P 2C5	ECA
Approval No:		8277-68ZVSB			
Project Type:		Industrial Sewage Works			
Date:		2/4/2005 8:08:20 AM			
Status:		Approved			
Longitude:		-75.938034			
Latitude:		45.267933			
Record Type:		ECA			
PDF URL:		https://www.accessenvironment.ene.gov.on.ca/instruments/6433-66RK3C-14.pdf			
Full Address:					
18	2 of 5	SE/94.4	124.7	SUNCOR ENERGY PRODUCTS PARTNERSHIP 6250 HAZELDEAN RD STITTSVILLE ON K2S 1B9	FST
Instance No:		30356300			
Cont Name:					
Instance Type:		FS Liquid Fuel Tank			
Fuel Type:		Gasoline			
Status:		Active			
Capacity:		50000			
Tank Material:		Fiberglass (FRP)			
Corrosion Protection:		Fiberglass			
Tank Type:		Double Wall UST			
Install Year:		2004			
Parent Facility Type:		FS Gasoline Station - Self Serve			
Facility Type:		FS Liquid Fuel Tank			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
18	3 of 5	SE/94.4	124.7	SUNCOR ENERGY PRODUCTS PARTNERSHIP 6250 HAZELDEAN RD STITTSVILLE ON K2S 1B9	FST
Instance No: Cont Name: Instance Type: Fuel Type: Status: Capacity: Tank Material: Corrosion Protection: Tank Type: Install Year: Parent Facility Type: Facility Type:		30356301 FS Liquid Fuel Tank Gasoline Active 50000 Fiberglass (FRP) Fiberglass Double Wall UST 2004 FS Gasoline Station - Self Serve FS Liquid Fuel Tank			
18	4 of 5	SE/94.4	124.7	SUNCOR ENERGY PRODUCTS PARTNERSHIP 6250 HAZELDEAN RD STITTSVILLE ON K2S 1B9	FST
Instance No: Cont Name: Instance Type: Fuel Type: Status: Capacity: Tank Material: Corrosion Protection: Tank Type: Install Year: Parent Facility Type: Facility Type:		30356299 FS Liquid Fuel Tank Gasoline Active 50000 Fiberglass (FRP) Fiberglass Double Wall UST 2004 FS Gasoline Station - Self Serve FS Liquid Fuel Tank			
18	5 of 5	SE/94.4	124.7	SUNCOR ENERGY PRODUCTS PARTNERSHIP 6250 HAZELDEAN RD STITTSVILLE ON K2S 1B9	FST
Instance No: Cont Name: Instance Type: Fuel Type: Status: Capacity: Tank Material: Corrosion Protection: Tank Type: Install Year: Parent Facility Type: Facility Type:		64668137 FS Liquid Fuel Tank Diesel Active 50000 Fiberglass (FRP) NULL Double Wall UST 2014 FS Gasoline Station - Self Serve FS Liquid Fuel Tank			
19	1 of 1	S/97.7	124.4	ON	BORE
Borehole ID: Use: Drill Method:: Easting:: Location Accuracy:: Elev. Reliability Note:: Total Depth m::		808199 Geotechnical/Geological Investigation Other Method 426332.15 1.5		Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name::	
				Borehole 18 5013117.91 -999.9 125 3+250 5.70 Rt	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	30-MAY-2000			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218595635			Top Depth(m):	0.0
Bottom Depth(m):	0.2			Stratum Desc:	Asphalt
Stratum ID:	218595636			Top Depth(m):	0.2
Bottom Depth(m):	0.6			Stratum Desc:	Base Sand With: Gr
Stratum ID:	218595637			Top Depth(m):	0.6
Bottom Depth(m):	1.5			Stratum Desc:	Sand - Gravel With: Si
<hr/>					
20	1 of 1	S/99.3	124.5	ON	BORE
Borehole ID:	808200			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Other Method			UTM Zone::	18
Easting::	426330.78			Northing::	5013116.44
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	125
Total Depth m::	1.5			Primary Name::	3+250 7.80 Rt
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	30-MAY-2000			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218595640			Top Depth(m):	0.6
Bottom Depth(m):	1.5			Stratum Desc:	Silt - Sand With: Gr
Stratum ID:	218595638			Top Depth(m):	0.0
Bottom Depth(m):	0.0			Stratum Desc:	Asphalt
Stratum ID:	218595639			Top Depth(m):	0.0
Bottom Depth(m):	0.6			Stratum Desc:	Base Sand - Gravel
<hr/>					
21	1 of 1	SSW/102.0	125.1	ON	BORE
Borehole ID:	808193			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Other Method			UTM Zone::	18
Easting::	426294.64			Northing::	5013120.61
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	123
Total Depth m::	.1			Primary Name::	3+221 27.00 Rt
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	30-MAY-2000			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218595611			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Topsoil
Stratum ID:	218595612			Top Depth(m):	0.1

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Bottom Depth(m):	0.1			Stratum Desc:	Sand - Gravel
22	1 of 1	SSW/103.8	124.8	ON	BORE
Borehole ID:	808194			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Other Method			UTM Zone::	18
Easting::	426299.29			Northing::	5013117.02
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	122
Total Depth m::	1.5			Primary Name::	3+227 27.00 Rt
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	30-MAY-2000			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218595613			Top Depth(m):	0.0
Bottom Depth(m):	0.0			Stratum Desc:	Asphalt
Stratum ID:	218595614			Top Depth(m):	0.0
Bottom Depth(m):	0.2			Stratum Desc:	Base Sand - Gravel
Stratum ID:	218595615			Top Depth(m):	0.2
Bottom Depth(m):	0.6			Stratum Desc:	Subbase Sand With: Gr
Stratum ID:	218595616			Top Depth(m):	0.6
Bottom Depth(m):	1.5			Stratum Desc:	Silt - Sand
23	1 of 1	N/105.3	125.0	lot 23 con 12 ON	WWIS
Well ID:	1519954			Lot:	023
Construction Date:				Concession:	12
Primary Water Use:	Domestic			Concession Name:	CON
Sec. Water Use:				Easting NAD83:	
Final Well Status:	Water Supply			Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:	GOULBOURN TOWNSHIP			UTM Reliability:	
County:	OTTAWA-CARLETON				
Bore Hole Information					
--	--				
Bore Hole ID:	10041804				
DP2BR:	34				
Code OB:	r				
Code OB Description:	Bedrock				
Open Hole:					
Date Completed:	03-DEC-79				
Remarks:					
Zone:	18				
East 83:	426329.6				
North 83:	5013321				
UTMRC:	4				
UTMRC Description:	margin of error : 30 m - 100 m				
Location Method:	p4				
Org CS:					
Elevation:	125.44				
Elevrc:					
Elevrc Description:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--					
Overburden and Bedrock Materials Interval					
--					
Formation ID:		931043276			
Layer:		1			
General Color:		GREY			
Most Common Material:		SAND			
Other Materials:		STONES			
Other Materials:		PACKED			
Formation Top Depth:		0			
Formation End Depth:		9			
Formation End Depth UOM:		ft			
--					
Formation ID:		931043277			
Layer:		2			
General Color:		RED			
Most Common Material:		SAND			
Other Materials:		BOULDERS			
Other Materials:		LOOSE			
Formation Top Depth:		9			
Formation End Depth:		34			
Formation End Depth UOM:		ft			
--					
Formation ID:		931043278			
Layer:		3			
General Color:		GREY			
Most Common Material:		LIMESTONE			
Other Materials:		HARD			
Other Materials:					
Formation Top Depth:		34			
Formation End Depth:		62			
Formation End Depth UOM:		ft			
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Method of Construction & Well Use					
--					
Method Construction ID:		961519954			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
--					
Pipe Information					
--					
Pipe ID:		10590374			
Casing Number:		1			
Comment:					
Alt Name:					
--					
Construction Record - Casing					
--					
Casing ID:		930072993			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		35			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Casing ID:		930072994			
Layer:		2			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		62			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		991519954			
Pump Set At:					
Static Level:		10			
Final Level After Pumping:		20			
Recommended Pump Depth:		30			
Pumping Rate:		30			
Flowing Rate:					
Recommended Pump Rate:		5			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		2			
Water State After Test:		CLOUDY			
Pumping Test Method:		2			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		N			
--		--			
Draw Down & Recovery					
--		--			
Pump Test Detail ID:		934110241			
Pump Test ID:		991519954			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		20			
Test Level UOM:		ft			
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Pump Test Detail ID:		934376206			
Pump Test ID:		991519954			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		20			
Test Level UOM:		ft			
--		--			
Pump Test Detail ID:		934654396			
Pump Test ID:		991519954			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		20			
Test Level UOM:		ft			
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Pump Test Detail ID:		934904344			
Pump Test ID:		991519954			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		20			
Test Level UOM:		ft			
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Water Details					
--		--			
Water ID:		933477072			
Layer:		1			
Kind Code:		3			
Kind:		SULPHUR			
Water Found Depth:		60			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Water Found Depth UOM:		ft			
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24	1 of 1	SSW/106.1	124.7	ON	BORE
Borehole ID:		808195		Type:	Borehole
Use:		Geotechnical/Geological Investigation		Status::	
Drill Method::		Other Method		UTM Zone::	18
Easting::		426303.19		Northing::	5013113.45
Location Accuracy::				Orig. Ground Elev m::	.4
Elev. Reliability Note::				DEM Ground Elev m::	121
Total Depth m::		1.5		Primary Name::	3+232 27.00 Rt
Township::				Concession::	
Lot::				Municipality:	
Completion Date::		30-MAY-2000		Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:		218595617		Top Depth(m):	0.0
Bottom Depth(m):		0.4		Stratum Desc:	Asphalt
Stratum ID:		218595618		Top Depth(m):	0.4
Bottom Depth(m):		0.4		Stratum Desc:	Base Sand - Gravel
Stratum ID:		218595619		Top Depth(m):	0.4
Bottom Depth(m):		1.5		Stratum Desc:	Silt - Sand With: Gr
25	1 of 1	W/107.0	128.0	ON	BORE
Borehole ID:		808188		Type:	Borehole
Use:		Geotechnical/Geological Investigation		Status::	
Drill Method::		Other Method		UTM Zone::	18
Easting::		426224.91		Northing::	5013223.9
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	125
Total Depth m::		1.5		Primary Name::	3+100 1.90 Rt
Township::				Concession::	
Lot::				Municipality:	
Completion Date::		30-MAY-2000		Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:		218595597		Top Depth(m):	0.0
Bottom Depth(m):		0.2		Stratum Desc:	Asphalt
Stratum ID:		218595598		Top Depth(m):	0.2
Bottom Depth(m):		0.4		Stratum Desc:	Base Sand - Gravel
Stratum ID:		218595599		Top Depth(m):	0.4
Bottom Depth(m):		0.6		Stratum Desc:	Subbase Sand With: Gr
Stratum ID:		218595600		Top Depth(m):	0.6
Bottom Depth(m):		1.5		Stratum Desc:	Silt - Sand With: Gr
26	1 of 1	W/107.6	127.1	lot 23 con 12 ON	WWIS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Well ID:	1502948			Lot:	023
Construction Date:				Concession:	12
Primary Water Use:	Domestic			Concession Name:	CON
Sec. Water Use:				Easting NAD83:	
Final Well Status:	Water Supply			Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:	GOULBOURN TOWNSHIP			UTM Reliability:	
County:	OTTAWA-CARLETON				
Bore Hole Information					
--	--				
Bore Hole ID:	10024991				
DP2BR:	46				
Code OB:	r				
Code OB Description:	Bedrock				
Open Hole:					
Date Completed:	24-JUL-57				
Remarks:					
Zone:	18				
East 83:	426225.6				
North 83:	5013197				
UTMRC:	5				
UTMRC Description:	margin of error : 100 m - 300 m				
Location Method:	p5				
Org CS:					
Elevation:	126.11				
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--	--				
Overburden and Bedrock Materials Interval					
--	--				
Formation ID:	930995638				
Layer:	1				
General Color:					
Most Common Material:	GRAVEL				
Other Materials:					
Other Materials:					
Formation Top Depth:	0				
Formation End Depth:	46				
Formation End Depth UOM:	ft				
--	--				
Formation ID:	930995639				
Layer:	2				
General Color:					
Most Common Material:	LIMESTONE				
Other Materials:					
Other Materials:					
Formation Top Depth:	46				
Formation End Depth:	171				
Formation End Depth UOM:	ft				
--	--				
Method of Construction & Well Use					
--	--				
Method Construction ID:	961502948				
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:					
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Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Pipe Information					
--	--	--	--	--	--
Pipe ID:		10573561			
Casing Number:		1			
Comment:					
Alt Name:					
--	--	--	--	--	--
Construction Record - Casing					
--	--	--	--	--	--
Casing ID:		930042763			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		46			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--	--	--	--	--	--
Casing ID:		930042764			
Layer:		2			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		171			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--	--	--	--	--	--
Well Yield Testing					
--	--	--	--	--	--
Pump Test ID:		991502948			
Pump Set At:					
Static Level:		20			
Final Level After Pumping:		125			
Recommended Pump Depth:					
Pumping Rate:		5			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		0			
Pumping Duration MIN:		30			
Flowing:		N			
--	--	--	--	--	--
Water Details					
--	--	--	--	--	--
Water ID:		933455767			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		170			
Water Found Depth UOM:		ft			
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27	1 of 1	SSE/108.1	124.6	lot 23 con 12 ON	WWIS
Well ID:	1502950			Lot:	023
Construction Date:				Concession:	12
Primary Water Use:	Domestic			Concession Name:	CON
Sec. Water Use:				Easting NAD83:	
Final Well Status:	Water Supply			Northing NAD83:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Specific Capacity:			Zone:		
Municipality:	GOULBOURN TOWNSHIP			UTM Reliability:	
County:	OTTAWA-CARLETON				
Bore Hole Information					
--	--				
Bore Hole ID:	10024993				
DP2BR:	45				
Code OB:	r				
Code OB Description:	Bedrock				
Open Hole:					
Date Completed:	26-SEP-58				
Remarks:					
Zone:	18				
East 83:	426385.6				
North 83:	5013122				
UTMRC:	5				
UTMRC Description:	margin of error : 100 m - 300 m				
Location Method:	p5				
Org CS:					
Elevation:	126.19				
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--	--				
Overburden and Bedrock					
Materials Interval					
--	--				
Formation ID:	930995643				
Layer:	1				
General Color:					
Most Common Material:	MEDIUM SAND				
Other Materials:	GRAVEL				
Other Materials:					
Formation Top Depth:	0				
Formation End Depth:	45				
Formation End Depth UOM:	ft				
--	--				
Formation ID:	930995644				
Layer:	2				
General Color:					
Most Common Material:	LIMESTONE				
Other Materials:					
Other Materials:					
Formation Top Depth:	45				
Formation End Depth:	90				
Formation End Depth UOM:	ft				
--	--				
Method of Construction & Well					
Use					
--	--				
Method Construction ID:	961502950				
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:					
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Pipe Information					
--	--				
Pipe ID:	10573563				
Casing Number:	1				
Comment:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Alt Name:					
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Construction Record - Casing					
--		--			
Casing ID:		930042767			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		49			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Casing ID:		930042768			
Layer:		2			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		90			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
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Well Yield Testing					
--		--			
Pump Test ID:		991502950			
Pump Set At:					
Static Level:		36			
Final Level After Pumping:		48			
Recommended Pump Depth:					
Pumping Rate:		4			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		0			
Pumping Duration MIN:		30			
Flowing:		N			
--		--			
Water Details					
--		--			
Water ID:		933455769			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		90			
Water Found Depth UOM:		ft			
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28	1 of 1	W/110.7	127.8	ON	BORE
Borehole ID:	808189			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Other Method			UTM Zone::	18
Easting::	426220.96			Northing::	5013219.47
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	125
Total Depth m::	.1			Primary Name::	3+100 7.90 Rt
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	30-MAY-2000			Static Water Level::	-999.9

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218595601			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Topsoil
Stratum ID:	218595602			Top Depth(m):	0.1
Bottom Depth(m):	0.1			Stratum Desc:	Sand
29	1 of 1	SSE/110.8	124.5	ON	WWIS
Well ID:	1510035			Lot:	
Construction Date:				Concession:	
Primary Water Use:	Domestic			Concession Name:	
Sec. Water Use:				Easting NAD83:	
Final Well Status:	Water Supply			Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:	STITTSVILLE VILLAGE			UTM Reliability:	
County:	OTTAWA-CARLETON				
Bore Hole Information					
--	--				
Bore Hole ID:	10032066				
DP2BR:	9				
Code OB:	r				
Code OB Description:	Bedrock				
Open Hole:					
Date Completed:	05-DEC-68				
Remarks:					
Zone:	18				
East 83:	426370.6				
North 83:	5013112				
UTMRC:	4				
UTMRC Description:	margin of error : 30 m - 100 m				
Location Method:	p4				
Org CS:					
Elevation:	126.33				
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--	--				
Overburden and Bedrock					
Materials Interval					
--	--				
Formation ID:	931013713				
Layer:	1				
General Color:					
Most Common Material:	CLAY				
Other Materials:	BOULDERS				
Other Materials:					
Formation Top Depth:	0				
Formation End Depth:	9				
Formation End Depth UOM:	ft				
--	--				
Formation ID:	931013714				
Layer:	2				
General Color:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Most Common Material:		LIMESTONE			
Other Materials:					
Other Materials:					
Formation Top Depth:		9			
Formation End Depth:		14			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		931013715			
Layer:		3			
General Color:					
Most Common Material:		LIMESTONE			
Other Materials:					
Other Materials:					
Formation Top Depth:		14			
Formation End Depth:		150			
Formation End Depth UOM:		ft			
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Method of Construction & Well Use					
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Method Construction ID:		961510035			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
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Pipe Information					
--		--			
Pipe ID:		10580636			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930056751			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		17			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Casing ID:		930056752			
Layer:		2			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		150			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		991510035			
Pump Set At:					
Static Level:		6			
Final Level After Pumping:		8			
Recommended Pump Depth:		75			
Pumping Rate:		15			
Flowing Rate:					
Recommended Pump Rate:		5			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Pumping Test Method:	1				
Pumping Duration HR:	0				
Pumping Duration MIN:	30				
Flowing:	N				
--	--				
Water Details					
--	--				
Water ID:	933464970				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	140				
Water Found Depth UOM:	ft				
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30	1 of 1	WNW/113.3	128.3	lot 23 con 12 ON	WWIS
Well ID:	1502955			Lot:	023
Construction Date:				Concession:	12
Primary Water Use:	Domestic			Concession Name:	CON
Sec. Water Use:				Easting NAD83:	
Final Well Status:	Water Supply			Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:	GOULBOURN TOWNSHIP			UTM Reliability:	
County:	OTTAWA-CARLETON				
Bore Hole Information					
--	--				
Bore Hole ID:	10024998				
DP2BR:	40				
Code OB:	r				
Code OB Description:	Bedrock				
Open Hole:					
Date Completed:	09-MAR-61				
Remarks:					
Zone:	18				
East 83:	426230.6				
North 83:	5013267				
UTMRC:	5				
UTMRC Description:	margin of error : 100 m - 300 m				
Location Method:	p5				
Org CS:					
Elevation:	127.45				
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--	--				
Overburden and Bedrock Materials Interval					
--	--				
Formation ID:	930995653				
Layer:	1				
General Color:					
Most Common Material:	MEDIUM SAND				
Other Materials:	GRAVEL				
Other Materials:					
Formation Top Depth:	0				
Formation End Depth:	40				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
Formation End Depth UOM:		ft			
--		--			
Formation ID:		930995654			
Layer:		2			
General Color:					
Most Common Material:		LIMESTONE			
Other Materials:					
Other Materials:					
Formation Top Depth:		40			
Formation End Depth:		184			
Formation End Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		961502955			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
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Pipe Information					
--		--			
Pipe ID:		10573568			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930042777			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		50			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Casing ID:		930042778			
Layer:		2			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		184			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		991502955			
Pump Set At:					
Static Level:		18			
Final Level After Pumping:		20			
Recommended Pump Depth:		30			
Pumping Rate:		5			
Flowing Rate:					
Recommended Pump Rate:		5			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		N			
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Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Water Details					
--		--			
Water ID:		933455774			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		184			
Water Found Depth UOM:		ft			
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31	1 of 1	S/121.1	125.9	lot 23 con 12 ON	WWIS
Well ID:	1514020			Lot:	023
Construction Date:				Concession:	12
Primary Water Use:				Concession Name:	CON
Sec. Water Use:				Easting NAD83:	
Final Well Status:	Abandoned-Supply			Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:	GOULBOURN TOWNSHIP			UTM Reliability:	
County:	OTTAWA-CARLETON				
Bore Hole Information					
--		--			
Bore Hole ID:	10036002				
DP2BR:	15				
Code OB:	r				
Code OB Description:	Bedrock				
Open Hole:					
Date Completed:	03-JAN-74				
Remarks:					
Zone:	18				
East 83:	426321.6				
North 83:	5013095				
UTMRC:	4				
UTMRC Description:	margin of error : 30 m - 100 m				
Location Method:	p4				
Org CS:					
Elevation:	122.86				
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
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Overburden and Bedrock Materials Interval					
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Formation ID:	931025107				
Layer:	1				
General Color:					
Most Common Material:	SAND				
Other Materials:	FILL				
Other Materials:					
Formation Top Depth:	0				
Formation End Depth:	7				
Formation End Depth UOM:	ft				
--		--			
Formation ID:	931025108				
Layer:	2				
General Color:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Most Common Material:		SAND			
Other Materials:					
Other Materials:					
Formation Top Depth:		7			
Formation End Depth:		15			
Formation End Depth UOM:		ft			
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Formation ID:		931025109			
Layer:		3			
General Color:					
Most Common Material:		LIMESTONE			
Other Materials:					
Other Materials:					
Formation Top Depth:		15			
Formation End Depth:		400			
Formation End Depth UOM:		ft			
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Method of Construction & Well Use					
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Method Construction ID:		961514020			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
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Pipe Information					
--		--			
Pipe ID:		10584572			
Casing Number:		1			
Comment:					
Alt Name:					
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Construction Record - Casing					
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Casing ID:		930063599			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		21			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
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32	1 of 1	NW/121.8	128.7	PRIVATE OWNER 1127 CARP RD. STITTSVILLE. RITE-WAY AUTO REFINISHING. STORAGE TANK/BARREL NEPEAN CITY ON K2S 1B9	SPL
Ref No:		140673			
Contaminant Code:					
Contaminant Name:					
Contaminant Quantity:					
Incident Cause:		OTHER CONTAINER LEAK			
Incident Dt:		5/9/1997			
Incident Reason:		CORROSION			
Incident Summary:		RITE-WAY AUTO REFINISHING246 LITRES FURNACE OIL TOGROUND FROM TANK LEAK.			
MOE Reported Dt:		5/12/1997			
Environmental Impact:		POSSIBLE			
Nature of Impact:		Soil contamination			
Receiving Medium:		LAND			
SAC Action Class:					
Sector Source Type:					
Receiving Environment:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Incident Event:					
Site Municipality:		20104			
33	1 of 1	W/123.2	127.5	1130 Carp Road Stittsville ON K2S 1B9	EHS
Postal Code: City: Address2: Address1: Provstate: Order No.: 20061124012 Addit. Info Ordered:: Fire Insur. Maps And /or Site Plans Report Date: 12/4/2006 Report Type: Complete Report Search Radius (km): 0.25					
34	1 of 1	WNW/127.0	128.2	1127 Carp Road Ottawa ON	EHS
Postal Code: City: Address2: Address1: Provstate: Order No.: 20071003026 Addit. Info Ordered:: Report Date: 10/15/2007 Report Type: CAN - Complete Report Search Radius (km): 0.25					
35	1 of 1	SSW/130.1	124.3	6315 Hazeldean Rd and 1140 Carp Road Ottawa ON K2S0T2	EHS
Postal Code: City: Address2: Address1: Provstate: Order No.: 20130920008 Addit. Info Ordered:: City Directory Report Date: 30-SEP-13 Report Type: Standard Report Search Radius (km): .25					
36	1 of 1	SE/132.9	125.1	lot 23 con 12 ON	WWIS
Well ID: 1502949 Construction Date: Primary Water Use: Domestic Sec. Water Use: Final Well Status: Water Supply Specific Capacity: Municipality: GOULBOURN TOWNSHIP County: OTTAWA-CARLETON Lot: 023 Concession: 12 Concession Name: CON Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
Bore Hole Information --					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Bore Hole ID:		10024992			
DP2BR:		22			
Code OB:		r			
Code OB Description:		Bedrock			
Open Hole:					
Date Completed:		12-FEB-58			
Remarks:					
Zone:		18			
East 83:		426420.6			
North 83:		5013117			
UTMRC:		5			
UTMRC Description:		margin of error : 100 m - 300 m			
Location Method:		p5			
Org CS:					
Elevation:		127.24			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
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Overburden and Bedrock Materials Interval					
--		--			
Formation ID:		930995640			
Layer:		1			
General Color:					
Most Common Material:		GRAVEL			
Other Materials:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		18			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		930995641			
Layer:		2			
General Color:		RED			
Most Common Material:		MEDIUM SAND			
Other Materials:					
Other Materials:					
Formation Top Depth:		18			
Formation End Depth:		22			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		930995642			
Layer:		3			
General Color:		GREY			
Most Common Material:		LIMESTONE			
Other Materials:					
Other Materials:					
Formation Top Depth:		22			
Formation End Depth:		63			
Formation End Depth UOM:		ft			
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Method of Construction & Well Use					
--		--			
Method Construction ID:		961502949			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
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Pipe Information					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--	--	--	--	--	--
Pipe ID:		10573562			
Casing Number:		1			
Comment:					
Alt Name:					
--	--	--	--	--	--
Construction Record - Casing					
--	--	--	--	--	--
Casing ID:		930042765			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		22			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--	--	--	--	--	--
Casing ID:		930042766			
Layer:		2			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		63			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--	--	--	--	--	--
Well Yield Testing					
--	--	--	--	--	--
Pump Test ID:		991502949			
Pump Set At:					
Static Level:		17			
Final Level After Pumping:		20			
Recommended Pump Depth:					
Pumping Rate:		3			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		0			
Pumping Duration MIN:		30			
Flowing:		N			
--	--	--	--	--	--
Water Details					
--	--	--	--	--	--
Water ID:		933455768			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		63			
Water Found Depth UOM:		ft			
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[37](#)

1 of 1

SSW/137.8

123.8

ON

BORE

Borehole ID:	808662	Type:	Borehole
Use:	Geotechnical/Geological Investigation	Status::	
Drill Method::	Hand auger	UTM Zone::	18
Easting::	426268.57	Northing::	5013093.1
Location Accuracy::		Orig. Ground Elev m::	-999.9
Elev. Reliability Note::		DEM Ground Elev m::	121

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Formation Top Depth:	0				
Formation End Depth:	18				
Formation End Depth UOM:	ft				
--	--				
Formation ID:	931030238				
Layer:	2				
General Color:	GREY				
Most Common Material:	SAND				
Other Materials:	BOULDERS				
Other Materials:	GRAVEL				
Formation Top Depth:	18				
Formation End Depth:	40				
Formation End Depth UOM:	ft				
--	--				
Formation ID:	931030239				
Layer:	3				
General Color:	GREY				
Most Common Material:	LIMESTONE				
Other Materials:	HARD				
Other Materials:					
Formation Top Depth:	40				
Formation End Depth:	100				
Formation End Depth UOM:	ft				
--	--				
Method of Construction & Well Use					
--	--				
Method Construction ID:	961515785				
Method Construction Code:	5				
Method Construction:	Air Percussion				
Other Method Construction:					
--	--				
Pipe Information					
--	--				
Pipe ID:	10586298				
Casing Number:	1				
Comment:					
Alt Name:					
--	--				
Construction Record - Casing					
--	--				
Casing ID:	930066497				
Layer:	1				
Open Hole or Material:	STEEL				
Depth From:					
Depth To:	42				
Casing Diameter:	6				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
--	--				
Casing ID:	930066498				
Layer:	2				
Open Hole or Material:	OPEN HOLE				
Depth From:					
Depth To:	100				
Casing Diameter:	6				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
--	--				
Well Yield Testing					
--	--				
Pump Test ID:	991515785				
Pump Set At:					
Static Level:	17				
Final Level After Pumping:	30				
Recommended Pump Depth:	30				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Pumping Rate:		4			
Flowing Rate:					
Recommended Pump Rate:		4			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		N			
--		--			
Draw Down & Recovery					
--		--			
Pump Test Detail ID:		934101357			
Pump Test ID:		991515785			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		30			
Test Level UOM:		ft			
--		--			
Pump Test Detail ID:		934378130			
Pump Test ID:		991515785			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		30			
Test Level UOM:		ft			
--		--			
Pump Test Detail ID:		934639234			
Pump Test ID:		991515785			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		30			
Test Level UOM:		ft			
--		--			
Pump Test Detail ID:		934897135			
Pump Test ID:		991515785			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		30			
Test Level UOM:		ft			
--		--			
--		--			
Water Details					
--		--			
Water ID:		933471959			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		40			
Water Found Depth UOM:		ft			
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1 of 1

SSW/141.4

123.6

ON

BORE

Borehole ID: 808663
Use: Geotechnical/Geological Investigation
Drill Method:: Hand auger
Easting:: 426280.27
Location Accuracy::
Elev. Reliability Note::
Total Depth m:: 1.5
Township::

Type: Borehole
Status::
UTM Zone:: 18
Northing:: 5013083.88
Orig. Ground Elev m:: -999.9
DEM Ground Elev m:: 120
Primary Name:: AH 04-60
Concession::

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
Lot::				Municipality:	
Completion Date::	10-MAY-2004			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218597295			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Grey Crushed Stone BASE
Stratum ID:	218597296			Top Depth(m):	0.1
Bottom Depth(m):	0.4			Stratum Desc:	Brown Subbase Sand - Gravel
Stratum ID:	218597297			Top Depth(m):	0.4
Bottom Depth(m):	0.8			Stratum Desc:	Brown Fill-Misc Sand With: Gr
Stratum ID:	218597298			Top Depth(m):	0.8
Bottom Depth(m):	1.5			Stratum Desc:	Brown Sand With: Gr W Cob
<hr/>					
40	1 of 1	SSW/142.1	123.6	ON	BORE
Borehole ID:	808664			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hand auger			UTM Zone::	18
Easting::	426282.59			Northing::	5013082.34
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	120
Total Depth m::	1.5			Primary Name::	AH 04-61
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	10-MAY-2004			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218597299			Top Depth(m):	0.0
Bottom Depth(m):	0.4			Stratum Desc:	Asphalt
Stratum ID:	218597300			Top Depth(m):	0.4
Bottom Depth(m):	0.9			Stratum Desc:	Brown Base Sand - Gravel
Stratum ID:	218597301			Top Depth(m):	0.9
Bottom Depth(m):	1.5			Stratum Desc:	Brown Sand With: Gr Occasional: Cob
<hr/>					
41	1 of 1	S/143.8	126.0	lot 23 con 12 ON	WWIS
Well ID:	1514019			Lot:	023
Construction Date:				Concession:	12
Primary Water Use:	Commerical			Concession Name:	CON
Sec. Water Use:				Easting NAD83:	
Final Well Status:	Water Supply			Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:	GOULBOURN TOWNSHIP			UTM Reliability:	
County:	OTTAWA-CARLETON				
Bore Hole Information					
--	--				
Bore Hole ID:	10036001				
DP2BR:	15				
Code OB:	r				
Code OB Description:	Bedrock				
Open Hole:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Date Completed:		11-FEB-74			
Remarks:					
Zone:		18			
East 83:		426325.6			
North 83:		5013072			
UTMRC:		4			
UTMRC Description:		margin of error : 30 m - 100 m			
Location Method:		p4			
Org CS:					
Elevation:		123.51			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Overburden and Bedrock Materials Interval					
--		--			
Formation ID:		931025104			
Layer:		1			
General Color:					
Most Common Material:		SAND			
Other Materials:		FILL			
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		7			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		931025105			
Layer:		2			
General Color:					
Most Common Material:		SAND			
Other Materials:					
Other Materials:					
Formation Top Depth:		7			
Formation End Depth:		15			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		931025106			
Layer:		3			
General Color:					
Most Common Material:		LIMESTONE			
Other Materials:					
Other Materials:					
Formation Top Depth:		15			
Formation End Depth:		552			
Formation End Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		961514019			
Method Construction Code:		4			
Method Construction:		Rotary (Air)			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		10584571			
Casing Number:		1			
Comment:					
Alt Name:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930063598			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		21			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		991514019			
Pump Set At:					
Static Level:		8			
Final Level After Pumping:		90			
Recommended Pump Depth:		90			
Pumping Rate:		10			
Flowing Rate:					
Recommended Pump Rate:		8			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		N			
--		--			
Water Details					
--		--			
Water ID:		933469792			
Layer:		1			
Kind Code:		3			
Kind:		SULPHUR			
Water Found Depth:		520			
Water Found Depth UOM:		ft			
--		--			
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42	1 of 1	SSW/144.5	123.5	ON	BORE
Borehole ID: 808665					
Use: Geotechnical/Geological Investigation					
Drill Method:: Hand auger					
Easting:: 426290.18					
Location Accuracy::					
Elev. Reliability Note::					
Total Depth m:: 1.5					
Township::					
Lot::					
Completion Date:: 10-MAY-2004					
Primary Water Use::					
Type: Borehole					
Status::					
UTM Zone:: 18					
Northing:: 5013077.2					
Orig. Ground Elev m:: -999.9					
DEM Ground Elev m:: 120					
Primary Name:: AH 04-62					
Concession::					
Municipality:					
Static Water Level:: -999.9					
Sec. Water Use::					
--Details--					
Stratum ID: 218597302					
Bottom Depth(m): 0.2					
Top Depth(m): 0.0					
Stratum Desc: Asphalt					
Stratum ID: 218597303					
Bottom Depth(m): 0.3					
Top Depth(m): 0.2					
Stratum Desc: Brown Base Sand - Gravel					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Stratum ID:	218597304			Top Depth(m):	0.3
Bottom Depth(m):	0.6			Stratum Desc:	Brown Subbase Sand With: Gr
Stratum ID:	218597305			Top Depth(m):	0.6
Bottom Depth(m):	1.5			Stratum Desc:	Brown Sand - Gravel
43	1 of 1	WNW/144.6	128.0	lot 23 con 12 ON	WWIS
Well ID:	1502946			Lot:	023
Construction Date:				Concession:	12
Primary Water Use:	Domestic			Concession Name:	CON
Sec. Water Use:				Easting NAD83:	
Final Well Status:	Water Supply			Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:	GOULBOURN TOWNSHIP			UTM Reliability:	
County:	OTTAWA-CARLETON				
Bore Hole Information					
--	--				
Bore Hole ID:	10024989				
DP2BR:	28				
Code OB:	r				
Code OB Description:	Bedrock				
Open Hole:					
Date Completed:	31-JUL-56				
Remarks:					
Zone:	18				
East 83:	426200.6				
North 83:	5013277				
UTMRC:	9				
UTMRC Description:	unknown UTM				
Location Method:	p9				
Org CS:					
Elevation:	126.2				
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--	--				
Overburden and Bedrock					
Materials Interval					
--	--				
Formation ID:	930995633				
Layer:	1				
General Color:					
Most Common Material:	TOPSOIL				
Other Materials:	MEDIUM SAND				
Other Materials:					
Formation Top Depth:	0				
Formation End Depth:	28				
Formation End Depth UOM:	ft				
--	--				
Formation ID:	930995634				
Layer:	2				
General Color:	GREY				
Most Common Material:	LIMESTONE				
Other Materials:					
Other Materials:					
Formation Top Depth:	28				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Formation End Depth:	65				
Formation End Depth UOM:	ft				
--	--				
Method of Construction & Well Use					
--	--				
Method Construction ID:	961502946				
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:					
--	--				
Pipe Information					
--	--				
Pipe ID:	10573559				
Casing Number:	1				
Comment:					
Alt Name:					
--	--				
Construction Record - Casing					
--	--				
Casing ID:	930042759				
Layer:	1				
Open Hole or Material:	STEEL				
Depth From:					
Depth To:	28				
Casing Diameter:	4				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
--	--				
Casing ID:	930042760				
Layer:	2				
Open Hole or Material:	OPEN HOLE				
Depth From:					
Depth To:	65				
Casing Diameter:	4				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
--	--				
Well Yield Testing					
--	--				
Pump Test ID:	991502946				
Pump Set At:					
Static Level:	15				
Final Level After Pumping:	20				
Recommended Pump Depth:					
Pumping Rate:	3				
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	1				
Water State After Test:	CLEAR				
Pumping Test Method:	1				
Pumping Duration HR:	0				
Pumping Duration MIN:	30				
Flowing:	N				
--	--				
Water Details					
--	--				
Water ID:	933455765				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	65				
Water Found Depth UOM:	ft				
--	--				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--	--	--	--	--	--
44	1 of 1	SSW/145.5	123.5	ON	BORE
Borehole ID:	808666			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hand auger			UTM Zone::	18
Easting::	426291.96			Northing::	5013075.66
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	120
Total Depth m::	1.5			Primary Name::	AH 04-63
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	10-MAY-2004			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218597306			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Grey Crushed Stone BASE
Stratum ID:	218597307			Top Depth(m):	0.1
Bottom Depth(m):	0.7			Stratum Desc:	Brown Subbase Sand With: Gr Trace: Org M
Stratum ID:	218597308			Top Depth(m):	0.7
Bottom Depth(m):	1.5			Stratum Desc:	Brown Sand - Gravel Occasional: Cob
45	1 of 1	WNW/147.6	127.6	1122 and 1130 Carp Road Ottawa ON	EHS
Postal Code:					
City:					
Address2:					
Address1:					
Provstate:					
Order No.:	20100428008				
Addit. Info Ordered::					
Report Date:	5/6/2010				
Report Type:	Custom Report				
Search Radius (km):	0.25				
46	1 of 1	SSW/149.0	123.4	ON	BORE
Borehole ID:	808667			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hand auger			UTM Zone::	18
Easting::	426300.17			Northing::	5013070.01
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	121
Total Depth m::	.9			Primary Name::	AH 04-64
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	10-MAY-2004			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218597309			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Topsoil

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Stratum ID:	218597310			Top Depth(m):	0.1
Bottom Depth(m):	0.4			Stratum Desc:	Brown sand silt Trace: Cl
Stratum ID:	218597311			Top Depth(m):	0.4
Bottom Depth(m):	0.9			Stratum Desc:	Brown Sand Trace: Cl
47	1 of 1	W/152.5	126.3	lot 23 con 12 ON	WWIS
Well ID:	1502953			Lot:	023
Construction Date:				Concession:	12
Primary Water Use:	Domestic			Concession Name:	CON
Sec. Water Use:				Easting NAD83:	
Final Well Status:	Water Supply			Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:	GOULBOURN TOWNSHIP			UTM Reliability:	
County:	OTTAWA-CARLETON				
Bore Hole Information					
--	--				
Bore Hole ID:	10024996				
DP2BR:	42				
Code OB:	r				
Code OB Description:	Bedrock				
Open Hole:					
Date Completed:	15-AUG-60				
Remarks:					
Zone:	18				
East 83:	426180.6				
North 83:	5013237				
UTMRC:	5				
UTMRC Description:	margin of error : 100 m - 300 m				
Location Method:	p5				
Org CS:					
Elevation:	126.83				
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--	--				
Overburden and Bedrock					
Materials Interval					
--	--				
Formation ID:	930995649				
Layer:	1				
General Color:					
Most Common Material:	GRAVEL				
Other Materials:					
Other Materials:					
Formation Top Depth:	0				
Formation End Depth:	42				
Formation End Depth UOM:	ft				
--	--				
Formation ID:	930995650				
Layer:	2				
General Color:	GREY				
Most Common Material:	LIMESTONE				
Other Materials:					
Other Materials:					
Formation Top Depth:	42				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Formation End Depth:	81				
Formation End Depth UOM:	ft				
--	--				
Method of Construction & Well Use					
--	--				
Method Construction ID:	961502953				
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:					
--	--				
Pipe Information					
--	--				
Pipe ID:	10573566				
Casing Number:	1				
Comment:					
Alt Name:					
--	--				
Construction Record - Casing					
--	--				
Casing ID:	930042773				
Layer:	1				
Open Hole or Material:	STEEL				
Depth From:					
Depth To:	42				
Casing Diameter:	4				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
--	--				
Casing ID:	930042774				
Layer:	2				
Open Hole or Material:	OPEN HOLE				
Depth From:					
Depth To:	81				
Casing Diameter:	4				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
--	--				
Well Yield Testing					
--	--				
Pump Test ID:	991502953				
Pump Set At:					
Static Level:	12				
Final Level After Pumping:	35				
Recommended Pump Depth:	35				
Pumping Rate:	4				
Flowing Rate:					
Recommended Pump Rate:	4				
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	1				
Water State After Test:	CLEAR				
Pumping Test Method:	1				
Pumping Duration HR:	1				
Pumping Duration MIN:	0				
Flowing:	N				
--	--				
Water Details					
--	--				
Water ID:	933455772				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	60				
Water Found Depth UOM:	ft				
--	--				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--	--				
48	1 of 2	ESE/155.4	126.0	JDNM Holdings Limited 1189 Carp Rd Stittsville Ottawa ON K1G 4Z4	ECA
Approval No: Project Type: Date: Status: Longitude: Latitude: Record Type: PDF URL: Full Address:		8768-8S6MV7 Industrial Sewage Works 3/12/2012 3:14:51 PM Approved -75.937325 45.26771 ECA https://www.accessenvironment.ene.gov.on.ca/instruments/3142-8JPHVP-14.pdf			
48	2 of 2	ESE/155.4	126.0	JDNM Holdings Inc 1189 Carp Rd Ottawa ON K2S 1B9	GEN
PO Box Num: Status: Country: Generator #: Approval Yrs:: SIC Code: SIC Description:		Registered Canada ON6220277 As of Sep 2016 			
--Details--					
Waste Code: Waste Description:		251 L Waste oils/sludges (petroleum based)			
49	1 of 1	W/161.3	126.1	1122 Carp Road Stittsville (Ottawa) ON K2S 1B9	EHS
Postal Code: City: Address2: Address1: Provstate: Order No.: Addit. Info Ordered:: Report Date: Report Type: Search Radius (km):		 20051212007 12/13/2005 Complete Report 0.25			
50	1 of 1	SE/176.9	125.8	ON	BORE
Borehole ID: Use: Drill Method:: Easting:: Location Accuracy: Elev. Reliability Note:: Total Depth m:: Township:: Lot:: Completion Date::		808202 Geotechnical/Geological Investigation Other Method 426440.05 1.5 30-MAY-2000		Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level::	
				Borehole 18 5013075.91 -999.9 126 3+365 1.50 Rt -999.9	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218595642			Top Depth(m):	0.0
Bottom Depth(m):	0.2			Stratum Desc:	Asphalt
Stratum ID:	218595643			Top Depth(m):	0.2
Bottom Depth(m):	0.6			Stratum Desc:	Base Sand - Gravel
Stratum ID:	218595644			Top Depth(m):	0.6
Bottom Depth(m):	1.5			Stratum Desc:	Silt - Sand With: Gr

51	1 of 1	SE/178.8	125.8	ON	BORE
Borehole ID:	808204			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Other Method			UTM Zone::	18
Easting::	426439.81			Northing::	5013073.41
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	126
Total Depth m::	4.5			Primary Name::	3+365 4.00 Rt
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	30-MAY-2000			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218595652			Top Depth(m):	0.0
Bottom Depth(m):	0.0			Stratum Desc:	Asphalt
Stratum ID:	218595653			Top Depth(m):	0.0
Bottom Depth(m):	0.2			Stratum Desc:	Base Sand - Gravel
Stratum ID:	218595654			Top Depth(m):	0.2
Bottom Depth(m):	1.5			Stratum Desc:	Subbase Sand - Gravel
Stratum ID:	218595655			Top Depth(m):	1.5
Bottom Depth(m):	4.5			Stratum Desc:	Sand - Gravel With: Si W Cob W Blds

52	1 of 1	SE/182.2	126.0	lot 23 con 12 ON	WWIS
Well ID:	1502954			Lot:	023
Construction Date:				Concession:	12
Primary Water Use:	Domestic			Concession Name:	CON
Sec. Water Use:				Easting NAD83:	
Final Well Status:	Water Supply			Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:	GOULBOURN TOWNSHIP			UTM Reliability:	
County:	OTTAWA-CARLETON				
Bore Hole Information					
--					
Bore Hole ID:	10024997				
DP2BR:	40				
Code OB:	r				
Code OB Description:	Bedrock				
Open Hole:					
Date Completed:	28-OCT-60				
Remarks:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Zone:		18			
East 83:		426460.6			
North 83:		5013087			
UTMRC:		5			
UTMRC Description:		margin of error : 100 m - 300 m			
Location Method:		p5			
Org CS:					
Elevation:		126.7			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Overburden and Bedrock Materials Interval					
--		--			
Formation ID:		930995651			
Layer:		1			
General Color:					
Most Common Material:		GRAVEL			
Other Materials:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		40			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		930995652			
Layer:		2			
General Color:		GREY			
Most Common Material:		LIMESTONE			
Other Materials:					
Other Materials:					
Formation Top Depth:		40			
Formation End Depth:		82			
Formation End Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		961502954			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		10573567			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930042775			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		40			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
Casing ID:		930042776			
Layer:		2			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		82			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		991502954			
Pump Set At:					
Static Level:		30			
Final Level After Pumping:		40			
Recommended Pump Depth:					
Pumping Rate:		5			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		0			
Pumping Duration MIN:		30			
Flowing:		N			
--		--			
Water Details					
--		--			
Water ID:		933455773			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		82			
Water Found Depth UOM:		ft			
--		--			
--		--			
<hr/>					
53	1 of 1	SE/184.3	126.0	ON	BORE
Borehole ID:	808206			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Other Method			UTM Zone::	18
Easting::	426439.05			Northing::	5013065.93
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	126
Total Depth m::	.1			Primary Name::	3+365 11.50 Rt
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	30-MAY-2000			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218595656			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Topsoil
Stratum ID:	218595657			Top Depth(m):	0.1
Bottom Depth(m):	0.1			Stratum Desc:	Sand - Gravel

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
54	1 of 1	ESE/187.4	122.2	ON	WWIS
<div> <div> Well ID: 7206067 Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Specific Capacity: Municipality: GOULBOURN TOWNSHIP County: OTTAWA-CARLETON </div> <div> Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability: </div> </div>					
Bore Hole Information					
--					
Bore Hole ID: 1004496736					
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed: 22-MAR-12					
Remarks:					
Zone: 18					
East 83: 426515					
North 83: 5013177					
UTMRC: 4					
UTMRC Description: margin of error : 30 m - 100 m					
Location Method: wwr					
Org CS: UTM83					
Elevation:					
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--					
--					
55	1 of 1	WNW/194.1	127.3	ON	BORE
<div> <div> Borehole ID: 808186 Use: Geotechnical/Geological Investigation Drill Method:: Other Method Easting:: 426154.59 Location Accuracy:: Elev. Reliability Note:: Total Depth m:: .8 Township:: Lot:: Completion Date:: 30-MAY-2000 Primary Water Use:: </div> <div> Type: Borehole Status:: UTM Zone:: 18 Northing:: 5013295.2 Orig. Ground Elev m:: -999.9 DEM Ground Elev m:: 125 Primary Name:: 3+000 1.60 Rt Concession:: Municipality: Static Water Level:: -999.9 Sec. Water Use:: </div> </div>					
--Details--					
Stratum ID: 218595588					
Bottom Depth(m): 0.2					
Stratum ID: 218595589					
Bottom Depth(m): 0.3					
Stratum ID: 218595590					
Bottom Depth(m): 0.8					
Top Depth(m): 0.0					
Stratum Desc: Asphalt					
Top Depth(m): 0.2					
Stratum Desc: Base Sand - Gravel					
Top Depth(m): 0.3					
Stratum Desc: Subbase Sand Trace: Gr					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
56	1 of 1	WNW/195.0	127.3	ON	BORE
Borehole ID:	808187			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Other Method			UTM Zone::	18
Easting::	426152.65			Northing::	5013293.24
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	125
Total Depth m::	1.5			Primary Name::	3+000 4.30 Rt
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	30-MAY-2000			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218595593			Top Depth(m):	0.1
Bottom Depth(m):	0.2			Stratum Desc:	Base Sand - Gravel
Stratum ID:	218595594			Top Depth(m):	0.2
Bottom Depth(m):	0.2			Stratum Desc:	Asphalt
Stratum ID:	218595595			Top Depth(m):	0.2
Bottom Depth(m):	0.9			Stratum Desc:	Subbase Sand With: Gr
Stratum ID:	218595596			Top Depth(m):	0.9
Bottom Depth(m):	1.5			Stratum Desc:	Silt - Sand With: Gr Occasional: Cob
Stratum ID:	218595591			Top Depth(m):	0.0
Bottom Depth(m):	0.0			Stratum Desc:	Asphalt
Stratum ID:	218595592			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Base Sand - Gravel
57	1 of 2	WNW/197.1	128.0	ON	BORE
Borehole ID:	609564			Type:	Borehole
Use:				Status::	
Drill Method::				UTM Zone::	18
Easting::	426166			Northing::	5013322
Location Accuracy::				Orig. Ground Elev m::	125
Elev. Reliability Note::				DEM Ground Elev m::	126
Total Depth m::	24.7			Primary Name::	
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	MAY-1960			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218383519			Top Depth(m):	0.0
Bottom Depth(m):	12.2			Stratum Desc:	GRAVEL,BOULDERS.
Stratum ID:	218383520			Top Depth(m):	12.2
Bottom Depth(m):	24.7			Stratum Desc:	LIMESTONE. 00081TILL,SILT,SAND. GREY. = 10000. N. 00101ISMIC VELOCITY = 22300.

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
57	2 of 2	WNW/197.1	128.0	lot 23 con 12 ON	WWIS
Well ID: 1502951					
Construction Date:					
Primary Water Use: Domestic					
Sec. Water Use:					
Final Well Status: Water Supply					
Specific Capacity:					
Municipality: GOULBOURN TOWNSHIP					
County: OTTAWA-CARLETON					
Lot: 023					
Concession: 12					
Concession Name: CON					
Easting NAD83:					
Northing NAD83:					
Zone:					
UTM Reliability:					
Bore Hole Information					
--					
Bore Hole ID: 10024994					
DP2BR: 40					
Code OB: r					
Code OB Description: Bedrock					
Open Hole:					
Date Completed: 07-MAY-60					
Remarks:					
Zone: 18					
East 83: 426165.6					
North 83: 5013322					
UTMRC: 5					
UTMRC Description: margin of error : 100 m - 300 m					
Location Method: p5					
Org CS:					
Elevation: 126.31					
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--					
Overburden and Bedrock					
Materials Interval					
--					
Formation ID: 930995645					
Layer: 1					
General Color:					
Most Common Material: GRAVEL					
Other Materials: BOULDERS					
Other Materials:					
Formation Top Depth: 0					
Formation End Depth: 40					
Formation End Depth UOM: ft					
--					
Formation ID: 930995646					
Layer: 2					
General Color:					
Most Common Material: LIMESTONE					
Other Materials:					
Other Materials:					
Formation Top Depth: 40					
Formation End Depth: 81					
Formation End Depth UOM: ft					
--					
Method of Construction & Well Use					
--					
Method Construction ID: 961502951					
Method Construction Code: 7					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Method Construction:		Diamond			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		10573564			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930042769			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		42			
Casing Diameter:		2			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Casing ID:		930042770			
Layer:		2			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		81			
Casing Diameter:		2			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		991502951			
Pump Set At:					
Static Level:		14			
Final Level After Pumping:		22			
Recommended Pump Depth:		22			
Pumping Rate:		4			
Flowing Rate:					
Recommended Pump Rate:		4			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		N			
--		--			
Water Details					
--		--			
Water ID:		933455770			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		81			
Water Found Depth UOM:		ft			
--		--			
--		--			
58	1 of 1	SSW/209.9	124.3	ON	BORE
Borehole ID:		609557	Type:		Borehole
Use:			Status::		

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
Drill Method::				UTM Zone::	18
Easting::	426251			Northing::	5013022
Location Accuracy::				Orig. Ground Elev m::	124
Elev. Reliability Note::				DEM Ground Elev m::	120
Total Depth m::	-999			Primary Name::	
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	AUG-1970			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
 --Details--					
Stratum ID:	218383503			Top Depth(m):	0.0
Bottom Depth(m):	6.1			Stratum Desc:	UNSPECIFIED. SEISMIC VELOCITY = 2000.
Stratum ID:	218383504			Top Depth(m):	6.1
Bottom Depth(m):				Stratum Desc:	BEDROCK. SEISMIC VELOCITY = 10000. N. 00101ISMIC VELOCITY = 22300. BEDROCK. SEISMIC VE
<hr/>					
59	1 of 1	ENE/213.2	119.8	ON	BORE
Borehole ID:	808488			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hollow stem auger			UTM Zone::	18
Easting::	426520.78			Northing::	5013313.89
Location Accuracy::				Orig. Ground Elev m::	121
Elev. Reliability Note::				DEM Ground Elev m::	119
Total Depth m::	2.1			Primary Name::	BH 04-54
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	30-APR-2004			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
 --Details--					
Stratum ID:	218596549			Top Depth(m):	0.0
Bottom Depth(m):	0.0			Stratum Desc:	Asphalt
Stratum ID:	218596550			Top Depth(m):	0.0
Bottom Depth(m):	0.2			Stratum Desc:	Grey Crushed Stone BASE
Stratum ID:	218596551			Top Depth(m):	0.2
Bottom Depth(m):	0.4			Stratum Desc:	Brown Subbase Sand - Gravel
Stratum ID:	218596552			Top Depth(m):	0.4
Bottom Depth(m):	0.7			Stratum Desc:	Brown Fill-Misc Sand With: Gr
Stratum ID:	218596553			Top Depth(m):	0.7
Bottom Depth(m):	0.8			Stratum Desc:	Brown to Black sand silt
Stratum ID:	218596554			Top Depth(m):	0.8
Bottom Depth(m):	2.1			Stratum Desc:	Brown Compact Sand With: Gr Occasional: Cob
<hr/>					
60	1 of 1	ENE/213.9	119.7	ON	BORE
Borehole ID:	808489			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hollow stem auger			UTM Zone::	18
Easting::	426522.28			Northing::	5013312.36

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Location Accuracy::				Orig. Ground Elev m::	121
Elev. Reliability Note::				DEM Ground Elev m::	119
Total Depth m::			3.7	Primary Name::	BH 04-55
Township::				Concession::	
Lot::				Municipality:	
Completion Date::			30-APR-2004	Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:			218596555	Top Depth(m):	0.0
Bottom Depth(m):			0.4	Stratum Desc:	Asphalt
Stratum ID:			218596556	Top Depth(m):	0.4
Bottom Depth(m):			0.6	Stratum Desc:	Brown Base Sand - Gravel
Stratum ID:			218596557	Top Depth(m):	0.6
Bottom Depth(m):			1.5	Stratum Desc:	Brown Dense Subbase Sand - Gravel
Stratum ID:			218596558	Top Depth(m):	1.5
Bottom Depth(m):			3.7	Stratum Desc:	Brown Loose to Compact Sand With: Gr

611 of 1NW/226.6125.2lot 23 con 12ONWWIS

Well ID:1502944

Construction Date:

Primary Water Use:Domestic

Sec. Water Use:

Final Well Status:Water Supply

Specific Capacity:

Municipality:GOULBOURN TOWNSHIP

County:OTTAWA-CARLETON

Lot:023

Concession:12

Concession Name:CON

Easting NAD83:

Northing NAD83:

Zone:

UTM Reliability:

Bore Hole Information

--

Bore Hole ID:10024987

DP2BR:42

Code OB:r

Code OB Description:Bedrock

Open Hole:

Date Completed:01-MAR-51

Remarks:

Zone:18

East 83:426150.6

North 83:5013352

UTMRC:5

UTMRC Description:margin of error : 100 m - 300 m

Location Method:p5

Org CS:

Elevation:126

Elevrc:

Elevrc Description:

Location Source Date:

Source Revision Comment:

Improvement Location Source:

Improvement Location Method:

Supplier Comment:

Spatial Status:

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Overburden and Bedrock

Materials Interval

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Formation ID:930995627

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Layer:		1			
General Color:					
Most Common Material:		CLAY			
Other Materials:		GRAVEL			
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		2			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		930995628			
Layer:		2			
General Color:		GREY			
Most Common Material:		MEDIUM SAND			
Other Materials:		GRAVEL			
Other Materials:					
Formation Top Depth:		2			
Formation End Depth:		42			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		930995629			
Layer:		3			
General Color:					
Most Common Material:		LIMESTONE			
Other Materials:					
Other Materials:					
Formation Top Depth:		42			
Formation End Depth:		85			
Formation End Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		961502944			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		10573557			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930042755			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		42			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Casing ID:		930042756			
Layer:		2			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		85			
Casing Diameter:		2			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Well Yield Testing					
--		--			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Pump Test ID:		991502944			
Pump Set At:					
Static Level:		16			
Final Level After Pumping:		16			
Recommended Pump Depth:					
Pumping Rate:		8			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		0			
Pumping Duration MIN:		30			
Flowing:		N			
--		--			
Water Details					
--		--			
Water ID:		933455763			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		80			
Water Found Depth UOM:		ft			
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62	1 of 1	ESE/231.1	123.8	lot 23 con 12 ON	WWIS
Well ID:		1515523		Lot:	023
Construction Date:				Concession:	12
Primary Water Use:		Domestic		Concession Name:	CON
Sec. Water Use:				Easting NAD83:	
Final Well Status:		Water Supply		Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:		GOULBOURN TOWNSHIP		UTM Reliability:	
County:		OTTAWA-CARLETON			
Bore Hole Information					
--		--			
Bore Hole ID:		10037469			
DP2BR:		27			
Code OB:		r			
Code OB Description:		Bedrock			
Open Hole:					
Date Completed:		20-JUL-76			
Remarks:					
Zone:		18			
East 83:		426550.6			
North 83:		5013142			
UTMRC:		4			
UTMRC Description:		margin of error : 30 m - 100 m			
Location Method:		p4			
Org CS:					
Elevation:		125.72			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
Overburden and Bedrock Materials Interval	--	--			
Formation ID:	931029428				
Layer:	1				
General Color:	BROWN				
Most Common Material:	SAND				
Other Materials:	BOULDERS				
Other Materials:	LOOSE				
Formation Top Depth:	0				
Formation End Depth:	27				
Formation End Depth UOM:	ft				
Formation ID:	931029429				
Layer:	2				
General Color:	GREY				
Most Common Material:	LIMESTONE				
Other Materials:	SOFT				
Other Materials:					
Formation Top Depth:	27				
Formation End Depth:	423				
Formation End Depth UOM:	ft				
Formation ID:	931029430				
Layer:	3				
General Color:	GREY				
Most Common Material:	LIMESTONE				
Other Materials:	LAYERED				
Other Materials:	SOFT				
Formation Top Depth:	423				
Formation End Depth:	455				
Formation End Depth UOM:	ft				
Formation ID:	931029431				
Layer:	4				
General Color:	GREY				
Most Common Material:	LIMESTONE				
Other Materials:	SOFT				
Other Materials:					
Formation Top Depth:	455				
Formation End Depth:	498				
Formation End Depth UOM:	ft				
Formation ID:	931029432				
Layer:	5				
General Color:	GREY				
Most Common Material:	LIMESTONE				
Other Materials:	SOFT				
Other Materials:					
Formation Top Depth:	498				
Formation End Depth:	520				
Formation End Depth UOM:	ft				
Method of Construction & Well Use	--				
Method Construction ID:	961515523				
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:					
Pipe Information	--				
Pipe ID:	10586039				
Casing Number:	1				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Comment:					
Alt Name:					
--					
Construction Record - Casing					
--					
Casing ID:			930066108		
Layer:			1		
Open Hole or Material:			STEEL		
Depth From:					
Depth To:			27		
Casing Diameter:			6		
Casing Diameter UOM:			inch		
Casing Depth UOM:			ft		
--					
Casing ID:			930066109		
Layer:			2		
Open Hole or Material:			OPEN HOLE		
Depth From:					
Depth To:			498		
Casing Diameter:			6		
Casing Diameter UOM:			inch		
Casing Depth UOM:			ft		
--					
Casing ID:			930066110		
Layer:			3		
Open Hole or Material:			OPEN HOLE		
Depth From:					
Depth To:			520		
Casing Diameter:			5		
Casing Diameter UOM:			inch		
Casing Depth UOM:			ft		
--					
Well Yield Testing					
--					
Pump Test ID:			991515523		
Pump Set At:					
Static Level:			35		
Final Level After Pumping:			100		
Recommended Pump Depth:			150		
Pumping Rate:			5		
Flowing Rate:					
Recommended Pump Rate:			5		
Levels UOM:			ft		
Rate UOM:			GPM		
Water State After Test Code:			2		
Water State After Test:			CLOUDY		
Pumping Test Method:			2		
Pumping Duration HR:			1		
Pumping Duration MIN:			0		
Flowing:			N		
--					
Draw Down & Recovery					
--					
Pump Test Detail ID:			934100991		
Pump Test ID:			991515523		
Test Type:			Draw Down		
Test Duration:			15		
Test Level:			100		
Test Level UOM:			ft		
--					
Pump Test Detail ID:			934377059		
Pump Test ID:			991515523		
Test Type:			Draw Down		
Test Duration:			30		
Test Level:			100		
Test Level UOM:			ft		

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--	--	--	--		
Pump Test Detail ID:		934647352			
Pump Test ID:		991515523			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		100			
Test Level UOM:		ft			
--	--	--	--		
Pump Test Detail ID:		934896059			
Pump Test ID:		991515523			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		100			
Test Level UOM:		ft			
--	--	--	--		
Water Details		--	--		
--	--	--	--		
Water ID:		933471639			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		495			
Water Found Depth UOM:		ft			
--	--	--	--		
Water ID:		933471640			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		518			
Water Found Depth UOM:		ft			
--	--	--	--		
--	--	--	--		
63	1 of 1	ESE/234.4	124.9	ON	BORE
Borehole ID:	808207			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Other Method			UTM Zone::	18
Easting::	426532.36			Northing::	5013094.69
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	126
Total Depth m::	1.5			Primary Name::	3+459 1.70 RT
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	30-MAY-2000			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218595658			Top Depth(m):	0.0
Bottom Depth(m):	0.2			Stratum Desc:	Asphalt
Stratum ID:	218595659			Top Depth(m):	0.2
Bottom Depth(m):	0.4			Stratum Desc:	Base Sand - Gravel
Stratum ID:	218595660			Top Depth(m):	0.4
Bottom Depth(m):	0.7			Stratum Desc:	Silt - Sand With: Gr
Stratum ID:	218595661			Top Depth(m):	0.7
Bottom Depth(m):	1.5			Stratum Desc:	Sand With: Gr

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
64	1 of 1	ESE/236.0	124.9	ON	BORE
Borehole ID: 808208		Type: Borehole			
Use: Geotechnical/Geological Investigation		Status::			
Drill Method:: Other Method		UTM Zone:: 18			
Easting:: 426533.07		Northing:: 5013092.68			
Location Accuracy::		Orig. Ground Elev m:: -999.9			
Elev. Reliability Note::		DEM Ground Elev m:: 126			
Total Depth m:: 1.5		Primary Name:: 3+459 3.60 Rt			
Township::		Concession::			
Lot::		Municipality:			
Completion Date:: 30-MAY-2000		Static Water Level:: -999.9			
Primary Water Use::		Sec. Water Use::			
--Details--					
Stratum ID: 218595663		Top Depth(m): 0.0			
Bottom Depth(m): 0.2		Stratum Desc: Base Sand - Gravel			
Stratum ID: 218595662		Top Depth(m): 0.0			
Bottom Depth(m): 0.0		Stratum Desc: Asphalt			
Stratum ID: 218595664		Top Depth(m): 0.2			
Bottom Depth(m): 1.5		Stratum Desc: Subbase Sand - Gravel			
65	1 of 1	SSW/237.2	124.1	ON	BORE
Borehole ID: 808668		Type: Borehole			
Use: Geotechnical/Geological Investigation		Status::			
Drill Method:: Hand auger		UTM Zone:: 18			
Easting:: 426215.1		Northing:: 5013009.1			
Location Accuracy::		Orig. Ground Elev m:: -999.9			
Elev. Reliability Note::		DEM Ground Elev m:: 121			
Total Depth m:: .9		Primary Name:: AH 04-65			
Township::		Concession::			
Lot::		Municipality:			
Completion Date:: 10-MAY-2004		Static Water Level:: -999.9			
Primary Water Use::		Sec. Water Use::			
--Details--					
Stratum ID: 218597312		Top Depth(m): 0.0			
Bottom Depth(m): 0.4		Stratum Desc: Topsoil			
Stratum ID: 218597313		Top Depth(m): 0.4			
Bottom Depth(m): 0.4		Stratum Desc: Brown Sand			
Stratum ID: 218597314		Top Depth(m): 0.4			
Bottom Depth(m): 0.9		Stratum Desc: Brown-Grey Silt - Sand			
66	1 of 1	SSW/239.7	124.4	ON	BORE
Borehole ID: 808669		Type: Borehole			
Use: Geotechnical/Geological Investigation		Status::			
Drill Method:: Hand auger		UTM Zone:: 18			
Easting:: 426224.02		Northing:: 5013001.43			
Location Accuracy::		Orig. Ground Elev m:: -999.9			
Elev. Reliability Note::		DEM Ground Elev m:: 120			
Total Depth m:: 1.5		Primary Name:: AH 04-66			
Township::		Concession::			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
Lot::				Municipality:	
Completion Date::	10-MAY-2004			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218597315			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Grey Crushed Stone BASE
Stratum ID:	218597316			Top Depth(m):	0.1
Bottom Depth(m):	0.2			Stratum Desc:	Brown Subbase Sand - Gravel
Stratum ID:	218597317			Top Depth(m):	0.2
Bottom Depth(m):	0.7			Stratum Desc:	Brown Fill-Misc Sand With: Gr
Stratum ID:	218597318			Top Depth(m):	0.7
Bottom Depth(m):	1.5			Stratum Desc:	Brown Sand With: Gr Occasional: Cob
<hr/>					
67	1 of 1	ESE/240.0	124.9	ON	BORE
Borehole ID:	808209			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Other Method			UTM Zone::	18
Easting::	426536.7			Northing::	5013091.11
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	126
Total Depth m::	.1			Primary Name::	3+462 6.60 Rt
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	30-MAY-2000			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218595665			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Sand With: Gr
<hr/>					
68	1 of 1	SSW/241.6	124.3	ON	BORE
Borehole ID:	808670			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hand auger			UTM Zone::	18
Easting::	426233.8			Northing::	5012994.75
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	120
Total Depth m::	1.5			Primary Name::	AH 04-67
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	10-MAY-2004			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218597319			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Grey Crushed Stone BASE
Stratum ID:	218597320			Top Depth(m):	0.1
Bottom Depth(m):	0.3			Stratum Desc:	Grey Crushed Stone SUBBASE
Stratum ID:	218597321			Top Depth(m):	0.3
Bottom Depth(m):	1.5			Stratum Desc:	Brown Sand - Gravel

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
69	1 of 1	SSW/245.0	123.2	ON	BORE
<hr/>					
Borehole ID:	808671			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hand auger			UTM Zone::	18
Easting::	426242.3			Northing::	5012987.6
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	120
Total Depth m::	.3			Primary Name::	AH 04-68
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	10-MAY-2004			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
 --Details--					
Stratum ID:	218597322			Top Depth(m):	0.0
Bottom Depth(m):	0.0			Stratum Desc:	Topsoil
Stratum ID:	218597323			Top Depth(m):	0.0
Bottom Depth(m):	0.3			Stratum Desc:	Brown Fill-Misc Silt - Sand With: Gr W Org M

Unplottable Summary

Total: **14** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	G.E. REDDOM	CARP RD. (WEST CARLETON)	GOULBOURN TWP. ON	
CA	511376 ONTARIO INC.	HAZELDEAN RD. S.W. RET. FAC.	GOULBOURN TWP. ON	
CA		Part of Lot 23, Concession 12	Ottawa ON	
CA	Suncor Energy Products Inc.		Ottawa ON	
GEN	OTTAWA-CARLTON (OUT OF BUSINESS)	REGIONAL ROAD #5 AT STITTSVILLE VILLAGE	OTTAWA ON	
PRT	GLENN GUILBAULT & ASSOCIATES LTD	GLEN CAIRN HWY 5	OTTAWA ON	K1S1M5
PRT	GLENN GUILBAULT & ASSOCIATES LTD	GLEN CAIRN HWY 5	OTTAWA ON	K1S1M5
PTTW	Tarmac Canada Inc.Belleville	Lot 23 & 24	City of Nepean ON	
RSC		Part Lot 23	Ottawa ON	
RSC		Part Lot 23, Township of Gloucester	Ottawa ON	
SPL		Carp Road (between Hazeldean and Stittsville Main), Stittsville	Ottawa ON	
SPL	Tomlinson Environmental Services Ltd.	Carp	Ottawa ON	NA
SPL	TRANSPORT TRUCK	CARP RD MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON	K2S 1B9
SPL	TOP OIL RESOURCES	TOP OIL RESOURCES HAZELDEAN ROAD, GOULBORN TWP. DIESEL FUEL OUTLET	OTTAWA-CARLETON R.M. ON	

Unplottable Report

Site: G.E. REDDOM
CARP RD. (WEST CARLETON) GOULBOURN TWP. ON

Database:
CA

Certificate #: 7-1099-88-
Application Year: 88
Issue Date: 7/25/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: 511376 ONTARIO INC.
HAZELDEAN RD. S.W. RET. FAC. GOULBOURN TWP. ON

Database:
CA

Certificate #: 3-0858-93-
Application Year: 93
Issue Date: 9/15/1993
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: Part of Lot 23, Concession 12 Ottawa ON

Database:
CA

Certificate #: 7710-4YQSAU
Application Year: 01
Issue Date: 9/7/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name:: G. Lemay Construction (1998) Inc.
Client Address:: 5330 Chemin Canotek, Suite 8
Client City:: Ottawa
Client Postal Code:: K1J 9C2
Project Description:: Construction of Stormwater Management Facility to service the Eco Woods Subdivision
Contaminants::
Emission Control::

Site: Suncor Energy Products Inc.
Ottawa ON

Database:
CA

Certificate #: 2751-78XLN5
Application Year: 2007

Issue Date: 11/19/2007
Approval Type: Industrial Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: OTTAWA-CARLTON (OUT OF BUSINESS)
REGIONAL ROAD #5 AT STITTSVILLE VILLAGE OTTAWA ON

Database:
GEN

PO Box Num:
Status:
Country:
Generator #: ON0303102
Approval Yrs:: 98
SIC Code: 8351
SIC Description: EXEC./LEGIS. ADMIN.

--Details--
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Site: GLENN GUILBAULT & ASSOCIATES LTD
GLEN CAIRN HWY 5 OTTAWA ON K1S1M5

Database:
PRT

Location ID: 10947
Type: retail
Expiry Date: 1995-04-30
Capacity (L): 0
Licence #: 0076416494

Site: GLENN GUILBAULT & ASSOCIATES LTD
GLEN CAIRN HWY 5 OTTAWA ON K1S1M5

Database:
PRT

Location ID: 10947
Type: retail
Expiry Date: 1995-10-31
Capacity (L): 126000
Licence #: 0011907001

Site: Tarmac Canada Inc.Belleville
Lot 23 & 24 City of Nepean ON

Database:
PTTW

Year: 1997
EBR Registry No.: IA7E0250
Ministry Reference Number:
Notice Type: Instrument
Instrument Type: OWRA s. 34 - Permit to take water
Proposal Date: 2/20/97
Location: City of Nepean
Proponent Address: Tarmac Canada Inc.Belleville,P.O. Box 323, Highway 62 & 401,Belleville, Ontario, K8N 5A5
Notice Date:

Site:
Part Lot 23 Ottawa ON

Database:
RSC

Registration No:
RSC Type:
Restoration Type: Generic
Date Submitted: 07/05/01
Date Acknowledg.: 08/14/01
Certification Date:
Date Returned:
Soil Type: Medium/Fine
Criteria: Res/parkland + Nonpotable
Current Property Use:
Certificate Prop Use No:
Intended Prop Use:
Applicable Standards:
Stratified (Y/N): N
Consultant: DST Consulting Engineers Inc.
District Office: Ottawa
Property Municipal Address:
Legal Description:
Prop. Identification No:
Entire legal prop. (y/n):
UTM Coordinates:
Latitude & Longitude:
Accuracy Estimate:
Measurement Method:
CPU Issued Sect 1686:

Site:
Part Lot 23, Township of Gloucester Ottawa ON

Database:
RSC

Registration No:
RSC Type:
Restoration Type:
Date Submitted: 07/05/01
Date Acknowledg.:
Certification Date:
Date Returned: 07/23/01
Soil Type:
Criteria:
Current Property Use:
Certificate Prop Use No:
Intended Prop Use:
Applicable Standards:
Stratified (Y/N):
Consultant: DST Consulting Engineers Inc.
District Office: Ottawa
Property Municipal Address:
Legal Description:
Prop. Identification No:
Entire legal prop. (y/n):
UTM Coordinates:
Latitude & Longitude:
Accuracy Estimate:
Measurement Method:
CPU Issued Sect 1686:

Site:
Carp Road (between Hazeldean and Stittsville Main), Stittsville Ottawa ON

Database:
SPL

Ref No: 4602-9PMMJY
Contaminant Code: 15
Contaminant Name: MOTOR OIL
Contaminant Quantity: 0 other - see incident description
Incident Cause: Unknown / N/A
Incident Dt: 2014/10/06

Incident Reason: Unknown / N/A
Incident Summary: Stittsville, motor oil in sewer, city investigating source
MOE Reported Dt: 2014/10/06
Environmental Impact: Not Anticipated
Nature of Impact: Other Impact(s)
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type: Sewer (Private or Municipal)
Receiving Environment:
Incident Event:
Site Municipality: Ottawa

Site: Tomlinson Environmental Services Ltd.
Carp Ottawa ON NA

Database:
SPL

Ref No: 5601-9YDPU5
Contaminant Code: 31
Contaminant Name: SMOKE
Contaminant Quantity: 0 other - see incident description
Incident Cause:
Incident Dt: 7/12/2015
Incident Reason: Unknown / N/A
Incident Summary: Minor fire at waste transfer station
MOE Reported Dt: 7/13/2015
Environmental Impact:
Nature of Impact:
Receiving Medium:
SAC Action Class: Air Spills - Fires
Sector Source Type: Unknown / N/A
Receiving Environment:
Incident Event:
Site Municipality: Ottawa

Site: TRANSPORT TRUCK
CARP RD MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON K2S 1B9

Database:
SPL

Ref No: 194415
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: OTHER CAUSE (N.O.S.)
Incident Dt: 2/6/2001
Incident Reason: UNKNOWN
Incident Summary: TRANSPORT TRUCK,CDN WASTE SERVICES 170L DIESEL TO GRND. CONTAINED CLEANED
MOE Reported Dt: 2/6/2001
Environmental Impact: Possible
Nature of Impact: Soil contamination
Receiving Medium: Land
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 20107

Site: TOP OIL RESOURCES
TOP OIL RESOURCES HAZELDEAN ROAD, GOULBORN TWP. DIESEL FUEL OUTLET OTTAWA-CARLETON R.M.
ON

Database:
SPL

Ref No: 25861
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: UNDERGROUND TANK LEAK
Incident Dt: 9/25/1989
Incident Reason: UNKNOWN

Incident Summary:	TOP OIL RESOURCES- 7000 LTR DIESEL FUEL LEAK FROM UNDERGROUND TANK
MOE Reported Dt:	9/28/1989
Environmental Impact:	
Nature of Impact:	
Receiving Medium:	LAND
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	20000

Appendix: Database Descriptions

*Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. **Note:** Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.*

Abandoned Aggregate Inventory:

Provincial

AGR

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial

AGR

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Sep 2016

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-Nov 2016

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: 1999-May 2017

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: Feb 28, 2017

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: 1999-May 2017

Compressed Natural Gas Stations:

Private

CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 31, 2012

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-Jul 2017

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-Jul 2017

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-Aug 2015

Environmental Activity and Sector Registry:

Provincial

EASR

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 2011-Mar 2017

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-Jul 2017

Environmental Compliance Approval:Provincial **ECA**

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 2011-Mar 2017

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 2016

Environmental Issues Inventory System:Federal **EIIS**

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Government Publication Date: 1992-2001*

Emergency Management Historical Event:Provincial **EMHE**

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Dec 31, 2016

List of TSSA Expired Facilities:Provincial **EXP**

List of facilities with removed tanks which were once registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed automatically fall under the expired facilities inventory held by TSSA.

Government Publication Date: Feb 28, 2017

Federal Convictions:Federal **FCON**

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:Federal **FCS**

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government.

Government Publication Date: Jun 2000-Mar 2017

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: Feb 28, 2017

Fuel Storage Tank - Historic:

Provincial

FSTH

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

GEN

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Sep 2016

Greenhouse Gas Emissions from Large Facilities:

Federal

GHG

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO₂ eq).

Government Publication Date: 2013-Dec 2015

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: Feb 28, 2017

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: Dec 31, 2013

Canadian Mine Locations:

Private

MINE

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial

MNR

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Government Publication Date: 1846-Feb 2017

National Analysis of Trends in Emergencies System (NATES):

Federal

NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial

NCPL

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

Government Publication Date: Dec 31, 2014

National Defense & Canadian Forces Fuel Tanks:

Federal

NDTF

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 Pipeline Incidents:

Federal

NEBI

Locations of pipeline incidents from 2008 to present, made available by the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2008 - Dec 2016

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: 1993-2014**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-May 2017**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-Oct 2016**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-Jul 2017**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 the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: 1988-Oct 2016

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: Feb 28, 2017

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-Jul 2017

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: 1986-2016

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-Jun 2017

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-May 2017

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-Feb 2017

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: 1990-2014

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-Jan 2015

TSSA Variances for Abandonment of Underground Storage Tanks:

Provincial

VAR

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Government Publication Date: Feb 28, 2017

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: Mar 31, 2017

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: Jun 30, 2016

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

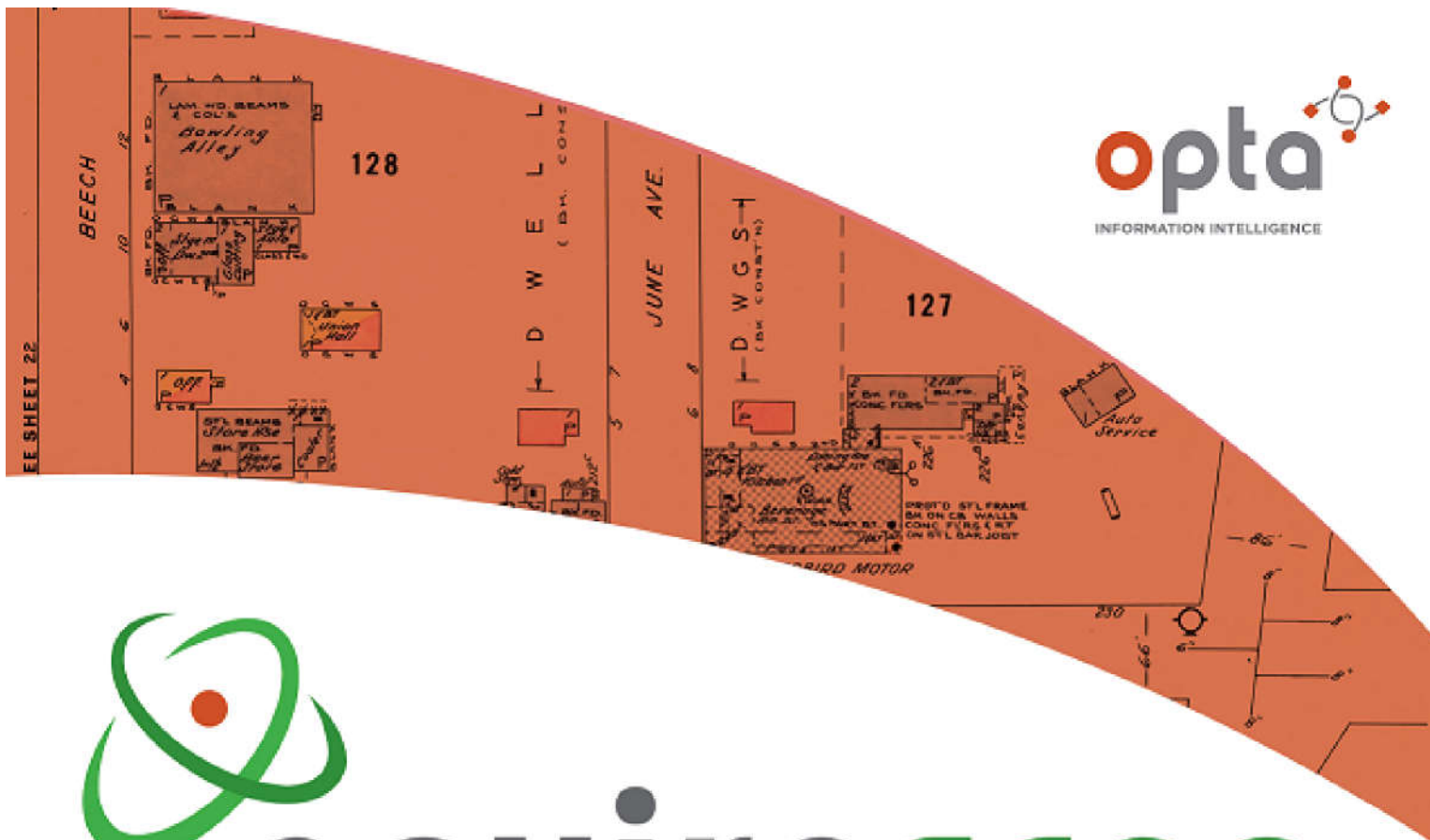
'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.



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Stephanie

Site Address:

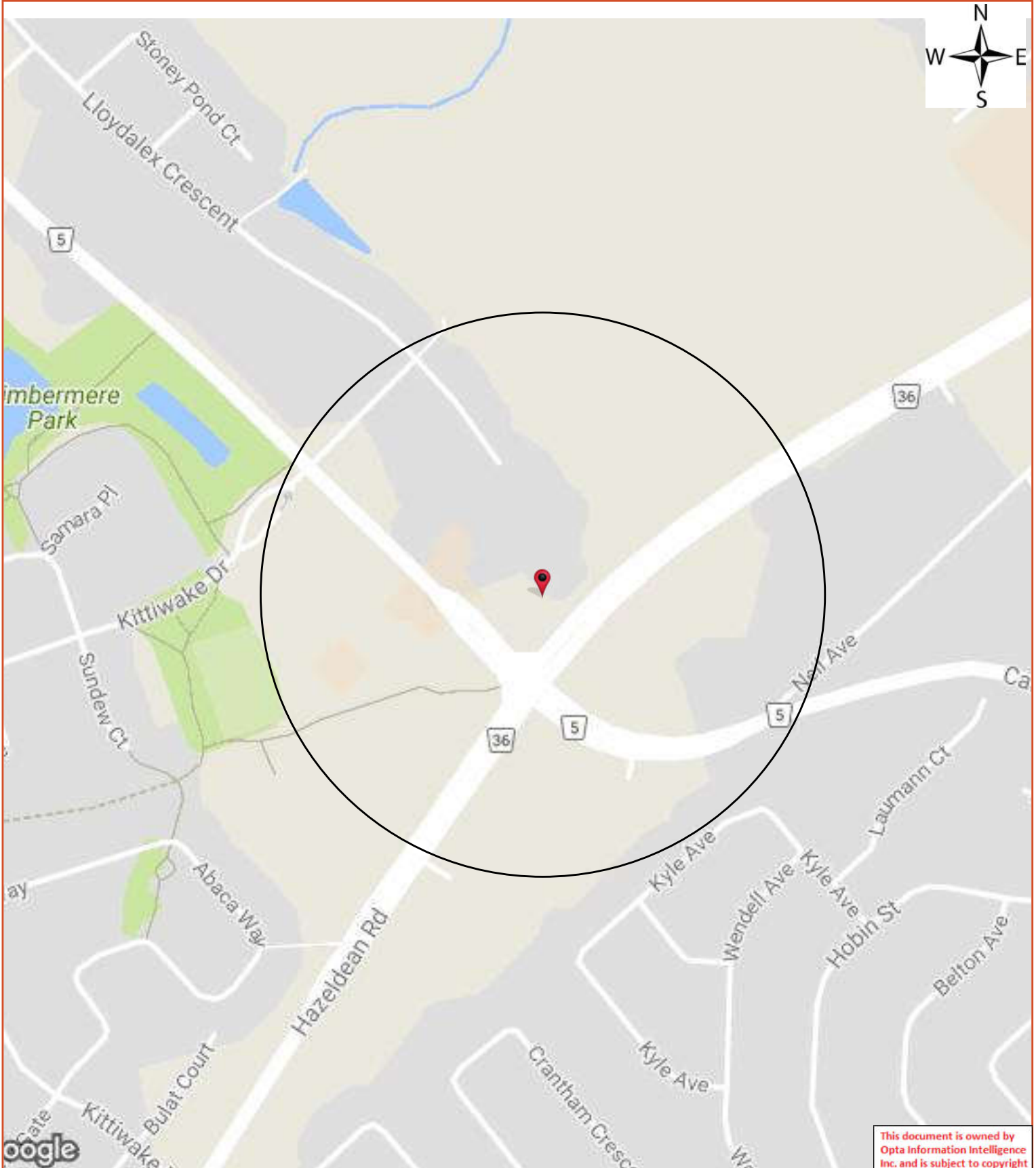
1145 Carp Rd Ottawa ON
Project No:

20170809004
Opta Order ID:

39424

Requested by:
Eleanor Goolab
ERIS

Date Completed:
8/22/2017 9:42:33 AM



Opta Historical Environmental Services EnviroscanTM Terms and Conditions

Report

The documents (hereinafter referred to as the "Documents") to be released as part of the report (hereinafter referred to as the "Report") to be delivered to the purchaser as set out above are documents in Opta's records relating to the described property (hereinafter referred to as the "Property"). Opta makes no representations or warranties respecting the Documents whatsoever, including, without limitation, with respect to the completeness, accuracy or usefulness of the Documents, and does not represent or warrant that these are the only plans and reports prepared in association with the Property or in Opta's possession at the time of Report delivery to the purchaser. The Documents are current as of the date(s) indicated on them. Interpretation of the Documents, if any, is by inference based upon the information which is apparent and obvious on the face of the Documents only. Opta does not represent, warrant or guarantee that interpretations other than those referred to do not exist from other sources. The Report will be prepared for use by the purchaser of the services as shown above hereof only.

Disclaimer

Opta disclaims responsibility for any losses or damages of any kind whatsoever, whether consequential or other, however caused, incurred or suffered, arising directly or indirectly as a result of the services (which services include, but are not limited to, the preparation of the Report provided hereunder), including but not limited to, any losses or damages arising directly or indirectly from any breach of contract, fundamental or otherwise, from reliance on Opta Reports or from any tortious acts or omissions of Opta's agents, employees or representatives.

Entire Agreement

The parties hereto acknowledge and agree to be bound by the terms and conditions hereof. The request form constitutes the entire agreement between the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements, negotiations and discussions, whether oral or written, and there are no representations or warranties, or other agreements between the parties in connection with the subject matter hereof except as specifically set forth herein. No supplement, modification, waiver, or termination of the request shall be binding, unless confirmed in writing by the parties hereto.

Governing Document

In the event of any conflicts or inconsistencies between the provisions hereof and the Reports, the rights and obligations of the parties shall be deemed to be governed by the request form, which shall be the paramount document.

Law

This agreement shall be governed by and construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein.



ATTACHMENT F

QUALIFICATIONS OF ASSESSORS

C.R. MOREY, P.Eng

LANGUAGE: English

EDUCATION: B.Sc., Geological Engineering, Queen's University, Kingston, Ontario, 1973.
M.Sc.,(Eng.), Civil Engineering, Queen's University, Kingston, Ontario, 1977.
Graduate courses in Civil and Geotechnical Engineering, Windsor and Carleton Universities, 1980 and 1982.

PROFESSIONAL AFFILIATIONS: Registered Professional Engineer Ontario
Designated Consulting Engineer

EXPERIENCE:

2012 – PRESENT **Morey Associates (Kemptville, Ontario)**
Senior Engineer

Responsible for supervision of all technical aspects of projects carried out by the firm.

2010 - 2012 **Levac Robichaud Leclerc Associates Ltd. (Rockland & Kemptville, Ontario)**
Director of Geotechnical Department

Responsible for senior level supervision of geotechnical investigations, hydrogeological impact assessments and environmental site assessments and providing QA/QC for the related project letters, memos, reports and drawings.

2005 – 2010 **Kollaard Associates Inc. (Kemptville, Ontario)**
Principal

Responsible for mentoring of professional staff, project letter and report reviews, senior level project supervision, business development, and assisting in office administration.

1994 – 2005 **Morey Houle Chevrier Engineering Ltd. (Kemptville, Ontario)**
President

Responsible for the managerial and technical aspects of the operation of the firm carrying out geotechnical and hydrogeological investigations, environmental site assessments, and construction inspection and testing. Geotechnical and hydrogeological expert witness for Ontario Municipal Board hearings and Ontario Court Provincial Division trials.

1980 - 1994

**Golder Associates Ltd. (Windsor & Ottawa, Ontario)
Geotechnical Engineer then Associate**

Responsible for subsurface investigations and design of roadways, retaining walls, airport runways, residential and commercial developments, buried services, septic systems, wharves, building foundations, dams, municipal drains, stormwater management facilities, building flood proofing.

PUBLICATIONS:

Co-author of two papers regarding retrogressive landslides in sensitive marine deposited silty clay of the Ottawa Valley area, published by the Geological Survey of Canada.

D.G. MOREY, P.Eng.

LANGUAGE: English

EDUCATION: Bachelor of Applied Science, Civil Engineering
University of Ottawa, 2009

PROFESSIONAL AFFILIATIONS: Registered Professional Engineer Ontario

EXPERIENCE:

2012 – Present **Morey Associates Ltd.**
Director/Senior Engineer

Responsible for the managerial and technical aspects of the operation of the firm carrying out geotechnical and hydrogeological investigations, environmental site assessments, and construction inspection and testing.

2010 – 2012 **Levac Robichaud Leclerc Associates Ltd.**
Junior Engineer

Analysis, preparation and field work for geotechnical investigations, hydrogeological impact assessments and environmental assessments. Also carry out quality control testing (i.e. compaction, subgrade, concrete testing)

2009 – 2010 **Kollaard Associates Inc.**
Junior Engineer

Analysis and preparation of geotechnical and slope stability evaluation reports. Responsible for field work and drafting (using AutoCAD) for geotechnical investigations, slope stability evaluations, environmental site assessments, hydrogeological investigations, site grading plans, roadway designs, and structural designs. Also carry out quality control testing (i.e. compaction, subgrade, concrete testing).

2005 – 2008 **Kollaard Associates Inc.**
(Summers) **Civil Engineering Student**

Responsible for field work and drafting for geotechnical investigations, site grading plans, septic system designs, roadway designs, and structural designs.

2004 **Morey Houle Chevrier Engineering Ltd.**
Technician

Carried out surveying and drafting for site grading plans and septic system designs. Also carried out well grouting inspections and well pump tests.