



Phase I Environmental Site Assessment

6111 Hazeldean Road
Ottawa, Ontario

Prepared for:

MacEwen Petroleum Inc.
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Attention: Mr. Brad Moore

LRL File No.: 200100.04

November 18, 2020



EXECUTIVE SUMMARY

MacEwen Petroleum Inc. (MPI) retained LRL Associates Ltd. (LRL) to complete a Phase I Environmental Site Assessment (ESA) on 6111 Hazeldean Road in Ottawa, Ontario (herein referred to as the "Site"). The Site is set within commercial and residential area of Ottawa, Ontario.

The Site is irregularly shaped with an approximate area of 18,520 m² (4.6 acres). At the time of the Site visit the majority of the Site consisted of long grasses and shrubs with mature trees present in the central portion. A paved parking area was present in the southeastern portion of the Site and a gravel parking lot and driveway was present in the northwest portion of the Site. No buildings were present on the property, however, the footprint of a former building was present in the northwest portion of the Site.

The Phase I ESA assesses the existing environmental conditions and potential environmental liabilities associated with the subject property, focusing on the possible presence of contamination on the property. It includes a review of available information (historical data and aerial photographs) and a visual Site inspection to assess potential contamination of past or present activities conducted on the property itself and on adjacent properties. The Phase I ESA was conducted in general accordance with Ontario Regulation (O. Reg.) 153/04, CSA Standard Z768-01, R2016, and City of Ottawa Guide to Preparing Studies and Plans, all as amended, in support of a City of Ottawa site plan approval application.

According to aerial photography, in 2017 the Site appeared to have been developed with a structure and parking area in the southeast portion and a paved area in the northwest portion. In 2015, these features were not present, and the Site appeared to be vacant. The structure was no longer present at the time of our Site visit in 2020.

The activities on the Site and lands within the 250 m study area are predominantly commercial and residential. The adjacent property use at the time of this Phase I ESA is as follows:

- North: Residential
- South: Hazeldean Road followed by commercial and residential
- East: Commercial
- West: Vacant

The Stittsville Wetland Complex is located on adjacent properties to the north and east of the Site. Ponds associated with the system are present approximately 420 m southeast of the Site and an unnamed creek is present approximately 425 m north of the Site.

Geological mapping describes the surficial geology to consist of organic deposits, consisting of mainly peat and muck, and outcropping limestone, dolomite, sandstone and locally shale bedrock. The bedrock is described as limestone with some shaly partings, with some sandstone in basal part.

The general surrounding area slopes toward the northeast. The inferred groundwater flow direction in the general area is expected to follow local topography be to the northeast.

One (1) record of a spill was found within 250 m of the Site. In August 1993, waste motor oil was spilled from an above ground storage tank at 1224 Main Street, approximately 175 m southeast of the Site. Soil contamination was confirmed. The spill presents a low risk for potential environmental concern to the Site due to its distance from the Site.



Twelve (12) waste generator records were listed for three (3) properties within 250 m of the Site as follows:

- Hazeldean Gardens Retirement at 6130 Hazeldean Road, approximately 45 m south of the Site across Hazeldean Road, is listed as a generator of waste oils/sludges (petroleum based) as of December 2017.
- D Bartos and M Northcott Dentistry Professional Co. at 8-6081 Hazeldean Road, the adjacent property east of the Site, is listed as a generator of pathological wastes in 2014, 2015, 2016, as of December 2018, and as of July 2020.
- Carleton Board of Education at 1224 Main Street, approximately 130 m south of the Site, is listed as a generator of aromatic solvents, petroleum distillates and waste oils and lubricants from 1988 to 2004. They are also listed as generating paint/pigment/coating residues, other specified inorganics, aliphatic solvents, waste oils and lubricants and light fuels from 2007 to 2009 and 2011.

All twelve (12) records are considered to have a low risk of environmental concern to the Site due to their distances from the Site or due to the type of material generated.

There are no records of a waste disposal site, coal tar industrial site, PCB storage site or waste receivers within a 250 m radius.

Based on the results of the Phase I Environmental Site Assessment the following potential contaminating activities were identified:

PEC	Location	Comments	Contaminants of Potential Concern	Media Potentially Impacted	Level of Risk
Fill	Adjacent properties to the north and west.	A previous environmental investigation conducted by Paterson Engineering reported fill across the Site and adjacent property. Further aerial photography review indicate that the fill was likely on the adjacent properties to the north and west. Similar fill material on an adjacent property was tested and reported by Paterson Engineering to meet the applicable residential standards.	VOC, PHC, metals	Soil	Low
Gasoline Service Station	Approximately 150 m east of the Site	Esso Gasoline Service Station present circa 2008.	VOC, PHC	Soil and groundwater	Low
Fuel Oil Tank	Approximately 45 m southwest of the Site	Commercial underground fuel oil storage tank installed in 2009 and delisted in 2013.	VOC, PHC	Soil and groundwater	Low

Notes: PEC – Potential Environmental Concern
VOC – Volatile Organic Compounds
PHC – Petroleum Hydrocarbons

Risk levels: Low – Unlikely potential for environmental impacts
Moderate – Some potential for environmental impacts
High – Definite potential for environmental impacts

Based on the findings of the Phase I ESA, the potential environmental risk to the Site associated with the present and former uses of the Site and properties within the 250 m study area is considered low. No further environmental work is recommended.

Under the Freedom of Information (FOI) Act, an FOI request was made to the MECP. A formal response is expected and will be reviewed by LRL. If the response details any issues of potential environmental concern with respect to the Site, a copy will be forwarded to the client so that it can be appended to this report.

A request was made to the City of Ottawa for records under the Historic Land Use Inventory. A formal response is expected and will be reviewed by LRL. If the response details any issues of potential environmental concern with respect to the Site, a copy will be forwarded to the client so that it can be appended to this report.



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FIGURES

(In order following text)

Figure 1	Site Location
Figure 2	Site Plan

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Appendix D	Aerial Photographs
Appendix E	Ontario Base Map
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1 INTRODUCTION

MacEwen Petroleum Inc. (MPI) retained LRL Associates Ltd. (LRL) to complete a Phase I Environmental Site Assessment (ESA) on 6111 Hazeldean Road in, Ottawa, Ontario (herein referred to as the "Site"). The Site is set within a commercial and residential area of Ottawa, Ontario. At the time of the Site visit the majority of the Site consisted of long grasses and shrubs with mature trees present in the central portion. A paved parking area was present in the southeastern portion of the Site and a gravel parking lot and driveway was present in the northwest portion of the Site. No buildings were present on the property, however, the footprint of a former building was present in the northwest portion of the Site.

This assessment was conducted to identify potential environmental concerns or liabilities related to the past and present operations conducted on the property and the adjacent lands. The assessment included a review of the history of the Site, contact with relevant regulatory agencies, a walk-through Site inspection of the property and interviews with those knowledgeable of the Site. This assessment was conducted in the context of obtaining a City of Ottawa Site plan approval.

The Phase I ESA assesses the existing environmental conditions and potential environmental liabilities associated with the subject property, focusing on the possible presence of contamination on the property. It includes a review of available information (historical data and aerial photographs) and a visual Site inspection to assess potential contamination of past or present activities conducted on the property itself and on adjacent properties. The Phase I ESA was conducted in general accordance with Ontario Regulation (O. Reg.) 153/04, CSA Standard Z768-01, R2016, and City of Ottawa Guide to Preparing Studies and Plans, all as amended, in support of a City of Ottawa site plan approval application.

Potential contamination represents the uncontrolled release of foreign substances within the natural environment. Such an event can result in air, soil and groundwater contamination that may represent environmental liabilities towards the Site and perhaps towards adjacent properties. This level of work is a method of risk reduction and does not eliminate risk for the client.

1.1 Phase I Property Information

Site Address:	6111 Hazeldean Road, Ottawa, Ontario
Frontage:	Hazeldean Road
Zoning:	Arterial Mainstreet Zone (AM6[1699]-h)
Legal description:	Part Lot 24, Concession 12, Goulbourn, Part 2, Plan 4R-30619; City of Ottawa
Property Identification Number:	04487-2615 (LT)
UTM Coordinates:	18T 426743 m E 5013525 m N
Dimensions:	Irregular: Being between approximately 154 and 162 m wide (east-west) by between approximately 104 and 132 m deep (north-south).
Area:	Approximately 18,520 m ² (4.58 acres)

The Site's location is shown in **Figure 1** and the general Site configuration is shown on the Site Plan in **Figure 2**. For the purposes of this report, Hazeldean Road will be inferred as running in an east-west direction.

1.2 Site Occupancy

Current owner:	Grant Castle Corp.
Site Contact:	Brad Moore
	Phone: (613) 527-2100
	Email: b.moore@macewen.ca
Owner since:	June 5, 2020
Current use:	Vacant
Current use since:	At least 2020

2 SCOPE OF INVESTIGATION

LRL conducted this work in accordance with O. Reg. 153/04, as amended, in support of City of Ottawa site plan approval application. The scope of work for the Phase I ESA consisted of the following:

- Reviewing reasonably ascertainable records regarding the occupancy of the Site and surrounding properties (i.e. city directories, fire insurance plans and aerial photographs);
- Interviewing current and previous owners and/or tenants and local and provincial authorities;
- Conducting a Site visit that consists of a "walk-through" visual assessment of the Site and adjacent properties (from publicly accessible areas); and
- Evaluation of the information collected.

This report will present the results of the ESA carried out between October 1 and 19, 2020.

3 RECORDS REVIEW

3.1 General

3.1.1 Phase I Study Area Determination

Study area:	250 m
Rational for extending study area beyond the minimum 250 m:	Not applicable.



3.1.2 First Developed Use Determination

First developed use is defined by O. Reg. 153/04, Section 22(1) as the first property use after 1875 that resulted in a building or structure or the first potentially contaminating activity, whichever is earlier.

First developed use:	Commercial (sales center)
Year:	Developed between 2015 and 2017
Basis for determination of first developed use:	Aerial Photographs and Interview.

3.1.3 Fire Insurance Plans

Fire Insurance Plans (FIP) mapped streets and buildings of urban Canada in great detail and illustrate building construction, occupancy and potential fire hazards. They also provide detailed information regarding storage tanks, transformers, boilers and electrical rooms. The original plans were produced between 1875 and 1923 and continued to be produced and updated until production ceased in 1974. No Fire Insurance Plans were found for the Site or surrounding area.

3.1.4 Property Underwriters' Report

Property Underwriters' Site Plans and Reports provide detailed information on a site-specific basis and include descriptions of building construction, heating sources, production processes, and the presence of chemicals or materials which may be stored on Site. They also indicate the presence of environmental hazards such as electrical rooms, transformers, boilers, and storage tanks. No Property Underwriters' Reports were found for the Site.

3.1.5 Chain of Title

Land Titles contain legal title information concerning property ownership, transfer details, and any encumbrances such as mortgages or easements. Each time a new transaction occurs, property records are updated as soon as the instrument is registered. A copy of the Chain of Title is included in **Appendix A** and is summarized as follows.

Records search provider:	Service Ontario Land Registry Office
Date of search:	October 14, 2020
Pertinent Information:	The search covered the period from March 1962 to June 2020. On June 5, 2020, the Site was transferred from 2316534 Ontario Inc. to Grant Castle Corp.



3.1.6 Environmental Reports

Report:	Phase I – Environmental Site Assessment, Vacant Property, Proposed Residential Development, 6111 and 6141 Hazeldean Road, Ottawa, Ontario
Date:	March 31, 2014
Author:	Paterson Group Inc.
Prepared for:	Minto Communities
Description of data, analysis and findings relevant to the Phase I ESA:	
<p>A Phase I ESA was conducted by Paterson Group Inc. on the Site and adjacent lands to the north (6141 Hazeldean Road, Ottawa, Ontario) in 2014. The investigation was conducted for due diligence purposes in support of a proposed residential development.</p> <p>The investigated properties were described as partially treed vacant parcels of land with Feedmill Creek traversing the middle of 6141 Hazeldean Road. Review of the title search provided in the report indicates that the Site was patent dated in 1859 and was transferred between various individuals until August 2012, when it was transferred to 2316534 Ontario Inc. and Minto Communities Inc.</p> <p>Signs of historic fill material were present on the Phase I property and portions of the site had been infilled. Based on air photograph review, it was reported that portions of the western part of the site were filled in, predominantly in the late 1970s and early 1980s. Additional fill appeared to have been brought in during the late 1990s to the northwest corner of the site. Paterson reported that they previously completed environmental sampling on an adjacent property (6414 Hazeldean Road) that included the advancement of nine (9) test pits and submission of three (3) soil samples for metals analysis. The fill was reported to be similar to the material present on the site. Paterson reported that the soil testing program on the fill material did not reveal any exceedances of the Table 1 residential soil quality criteria for metals. Based on LRL's review of aerial photographs, the historic fill material appears to have been on the investigated portions of the properties to the west and north of the Site, and not on the Site itself.</p> <p>No fire insurance plans or inspection reports were found for the Site. No waste generators were identified within 250 m of the site. Three (3) underground storage tanks (USTs) were listed at 6250 Hazeldean Road, approximately 400 m west of the Site and four (4) USTs were listed on 6061 Hazeldean, approximately 150 m east of the Site. Based on their distances from the site they are not considered a concern.</p> <p>Potentially contaminating activities (PCAs) were identified on several properties within 250 m of the site including a retail fuel outlet (6061 Hazeldean Road) and a commercial business with 2 ASTs (1017B Carp Road). These PCAs were not considered to be areas of potential concern due to their significant separation distances from the subject site.</p>	



3.2 Environmental Source Information

3.2.1 City of Ottawa Freedom of Information Request

The City of Ottawa was contacted to obtain available information for the Site.

Interview subject:	City of Ottawa
Date:	October 19, 2020
Pertinent information:	Under the Freedom of Information Act, a Freedom of Information Request was made to the City of Ottawa. A formal response is expected and will be reviewed by LRL. If the response details any issues of potential environmental concern with respect to the Site, a copy will be forwarded to the client so that it can be appended to this report.

3.2.2 City of Ottawa Historic Land Use Inventory

The City of Ottawa was contacted to conduct a Historical Land Use Inventory (HLUI) search.

Records search provider:	City of Ottawa
Interview subject:	City of Ottawa
Date:	October 20, 2020
Pertinent information:	A request was made to the City of Ottawa for records under the Historic Land Use Inventory. A formal response is expected and will be reviewed by LRL. If the response details any issues of potential environmental concern with respect to the Site, a copy will be forwarded to the client so that it can be appended to this report.

3.2.3 Ministry of Environment, Conservations and Parks Freedom of Information Act

The Ministry of the Environment, Conservation and Parks (MECP) was contacted under the Freedom of Information Act (FOI) to obtain available information for the Site regarding:

- Certificates of Approvals or any permits relating to air emissions (including noise), water taking and discharging, waste disposal sites, septic systems, pesticides storage or other similar instruments;
- Incidents, orders, offences, spills, discharges of contaminants or inspections;
- Waste management records, including current and historical waste storage locations and waste generator and waste receiver information; and
- Reports submitted to the MECP related to the environmental conditions of the property.



Interview subject:	FOI Office, Ministry of Environment, Conservation and Parks
Date:	October 19, 2020
Pertinent information:	Under the Freedom of Information (FOI) Act, an FOI request was made to the MECP. A formal response is expected and will be reviewed by LRL. If the response details any issues of potential environmental concern with respect to the Site, a copy will be forwarded to the client so that it can be appended to this report.

3.2.4 Technical Standards and Safety Authority

Fuel storage at commercial and industrial facilities is regulated by the Technical Standards and Safety Authority (TSSA). Records of aboveground storage tanks are maintained for bulk storage facilities only. Underground storage tanks are required to be registered with the TSSA. There are no requirements to register private underground and aboveground fuel oil storage tanks for heating or waste oil. Records of registered and licensed tanks have been maintained since 1990.

Interview subject:	Technical Standards and Safety Authority
Date:	October 1, 2020
Pertinent information:	TSSA was contacted regarding available information concerning the presence of petroleum storage tanks, fuel spill records, accidents or fuel-related incidents which may be registered on the Site or surrounding properties. The TSSA indicated that there are no records of above/underground storage tanks on the Site or adjacent properties.

3.2.5 City Directories

City directories have been produced for most urban and some rural areas since the late 1800's. These directories are often archived in research and municipal libraries. The directories are generally not comprehensive and may contain gaps in time periods. Where available, city directories were reviewed in a minimum five-year increment to determine historical property use of the subject and adjoining properties. A summary of the city directories provided by ERIS is included in **Appendix B**.



Source	Vernon's Ottawa & Area, Ontario City Directory
Years Searched:	1992 – 2010 (approximate five-year increments)
Historical Property Uses:	
Subject Site:	Due to a limited ability to conduct searches at this time, no information was obtained for the Site.
Adjacent Land:	6176 Hazeldean Road, the adjacent property to the south across Hazeldean Road, is listed as "Stittsville Market" from 1992 to 2005. The remaining adjacent properties were either not listed or the information was unobtainable due to limitations on research ability caused by the current pandemic.
Relevant information regarding potentially contaminating activity and areas of potential environmental concern:	
No potentially contaminating activities or potential environmental concerns were identified.	

3.2.6 Inventory of Coal Tar Industrial Sites in Ontario

The MECP has created an inventory of all known and historical coal gasification plants. It identifies industrial sites that produced and continue to produce or use coal tar or other related tars. The program was discontinued in 1988.

Database:	Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario
Years covered:	Up to 1988
Search radius:	250 m
Description of data, analysis and findings relevant to the Phase I ESA:	
No records were found within a 250 m radius from the Site.	

3.2.7 Waste Disposal Site Inventory

The MECP, Waste Management Branch maintains an inventory of known open (active or inactive) and closed disposal site in Ontario.

Database:	Waste Disposal Site Inventory.
Years covered:	1970 to 1990
Search radius:	250 m
Description of data, analysis and findings relevant to the Phase I ESA:	
No records were found within a 250 m radius from the Site.	

3.2.8 National Pollutant Release Inventory

The National Pollutant Release Inventory is maintained by Environment Canada. It is designed to collect comprehensive data regarding releases to air, water or land, and water transfers for recycling. The database was accessed through a database service provider (Ecolog Eris, Toronto, Ontario) and their report is included in **Appendix C**.



Database:	National Pollutant Release Inventory.
Years covered:	1993 to May 2017
Search radius:	250 m
Date accessed:	October 16, 2020
Description of data, analysis and findings relevant to the Phase I ESA:	
No records were found within a 250 m radius from the Site.	

3.2.9 Certificates of Approvals

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 (CofA) before it can operate lawfully. The database was accessed through a database service provider (Ecolog Eris, Toronto, Ontario) and their report is included in **Appendix C**.

Database:	MECP Certificates of Approval.
Years covered:	1985 to October 2011
Search radius:	250 m
Date accessed:	October 16, 2020
Description of data, analysis and findings relevant to the Phase I ESA:	
No records were found within a 250 m radius from the Site.	

3.2.10 Environmental Compliance Approvals

The previously used Certificates of Approval were replaced by an Environmental Compliance Approval (ECA) in October 2011 which was intended to be a more efficient way approval system. An ECA can be applied for by a business for emissions, discharge or waste handling. The database was accessed through database service provider (Ecolog Eris, Toronto, Ontario) and their report is included in **Appendix C**.

Database:	Environmental Compliance Approvals
Years covered:	October 2011 to September 30, 2020
Search radius:	250 m
Date accessed:	October 16, 2020
Description of data, analysis and findings relevant to the Phase I ESA:	
Two (2) records of Environmental Compliance Approvals were found within a 250 m radius from the Site. The records retrieved are summarized as follows:	
<ul style="list-style-type: none"> Hazeldean Gardens Retirement Residence Inc. at 6130 Hazeldean Road, approximately 45 m south of the Site across Hazeldean Road, was issued an ECA in 2017 for sanitary sewers; and 	



- 2073945 Ontario Inc. at 6150 Hazeldean Road, approximately 45 m south of the Site across Hazeldean Road, was issued an ECA for municipal and private sewage works in May 2019.

The records retrieved present low risk for potential environmental concern due to the type of activities.

3.2.11 Environmental Site Registry

The Environmental Registry lists proposal, decisions and exceptions regarding policies, Acts, instruments or regulations that could significantly affects the environment. Applications for permits, licences or certificates of approval to release substances into the air or water are posted on the registry. The database was accessed through database service provider (Ecolog Eris, Toronto, Ontario) and their report is included in **Appendix C**.

Database:	Environmental Registry.
Years covered:	1994 to August 31, 2020
Search radius:	250 m
Date accessed:	October 16, 2020
No records were found within a 250 m radius from the Site.	

3.2.12 Other Databases

Other Databases are covered by the Ecolog Eris Report included in **Appendix C**. They are outlined below.

3.2.12.1 Private and Retail Fuel Storage Tanks

Database:	Private and Retail Fuel Storage Tanks
Years covered:	1989 to 1996
Search radius:	250 m
Date accessed:	October 16, 2020
Description of data, analysis and findings relevant to the Phase I ESA: No records were found within a 250 m radius from the Site.	

3.2.12.2 Fuel Storage Tanks

Database:	Fuel Storage Tanks
Publication date:	July 31, 2020
Search radius:	250 m
Date accessed:	October 16, 2020
Description of data, analysis and findings relevant to the Phase I ESA: Six (6) records of fuel storage tanks at three (3) sites were retrieved within 250 m of the Site. No records were identified for the Site. The records retrieved are summarized as follows:	

- Stittsville Flea Market Inc. at 35 Neil Avenue (now 6176 Hazeldean Road), approximately 45 m southwest of the Site across Hazeldean Road, had a single wall underground fuel oil tank with a capacity of 2273 L installed in 2009.
- Suncor Energy Products Partnership at 6061 Hazeldean Road, approximately 150 m east of the Site, has an active diesel underground storage tank installed in 2007 with a capacity of 35,000 L and two (2) active gasoline underground storage tank installed in 2007 with capacities of 50,000L. All the tanks are double walled fiberglass.

The tanks present low risks for potential environmental concern to the Site due to their distances from the Site.

3.2.12.3 Fuel Storage Tank - Historic

Database:	Fuel Storage Tank - Historic
Years covered:	Pre-January 2010
Search radius:	250 m
Date accessed:	October 16, 2020
Description of data, analysis and findings relevant to the Phase I ESA:	
6161031 Canada Ltd. at 6061 Hazeldean Road, approximately 150 m east of the Site, is listed as having three (3) 50,000 gasoline underground storage tanks and one (1) 35,000 diesel underground storage tank. They were installed in 2007.	
The tanks present low risks for potential environmental concern to the Site due to their distances and location downgradient with respect to the inferred groundwater flow direction towards the northeast.	

3.2.12.4 PCB Storage Sites

The MECP Waste Management Branch maintains an inventory of PCB storage sites within the province. The Environmental Protection Act requires the registration of inactive PCB storage equipment and/or disposal Sites.

Database:	Inventory of PCB Storage Sites
Years covered:	1987 to October 2004; 2012 to December 2013
Search radius:	250 m
Date accessed:	October 16, 2020
Description of data, analysis and findings relevant to the Phase I ESA:	
No records were found within 250 m radius from the Site.	



3.2.12.5 Ontario Spills

Database:	Ontario Spills
Years covered:	1988 to November 2019
Search radius:	250 m
Date accessed:	October 16, 2020
Description of data, analysis and findings relevant to the Phase I ESA:	
In August 1993, waste motor oil was spilled from an above ground storage tank at 1224 Main Street, approximately 175 m southeast of the Site. Soil contamination was confirmed. The spill presents a low risk for potential environmental concern to the Site due to its distance from the Site.	

3.2.12.6 Ontario Regulation 347 Waste Receivers Summary

The MECP's Waste Management branch maintains an inventory of Waste Receivers in Ontario.

Database:	Ontario Regulation 347 Waste Receivers Summary
Years covered:	1986 to 2016
Search radius:	250 m
Date accessed:	October 16, 2020
Description of data, analysis and findings relevant to the Phase I ESA:	
No records were found within a 250 m radius from the Site.	

3.2.12.7 Ontario Regulation 347 Waste Generators Summary

The MECP's Waste Management Branch maintains an inventory of Waste Generators in Ontario.

Database:	Ontario Regulation 347 Waste Generators Summary
Years covered:	1986 to July 31, 2020
Search radius:	250 m
Date accessed:	October 16, 2020
Description of data, analysis and findings relevant to the Phase I ESA:	
Twelve (12) records of waste generators at three (3) sites were retrieved within 250 m of the Site. No records were identified for the Site. The records retrieved are summarized as follows:	
<ul style="list-style-type: none"> Hazeldean Gardens Retirement at 6130 Hazeldean Road, approximately 45 m south of the Site across Hazeldean Road, is listed as a generator of waste oils/sludges (petroleum based) as of December 2017. D Bartos and M Northcott Dentistry Professional Co. at 8-6081 Hazeldean Road, the adjacent property east of the Site, is listed as a generator of pathological wastes in 2014, 2015, 2016, as of December 2018, and as of July 2020. Carleton Board of Education at 1224 Main Street, approximately 130 m south of the Site, is listed as a generator of aromatic solvents, petroleum distillates and waste oils and lubricants from 1988 to 2004. They are also listed as generating 	

paint/pigment/coating residues, other specified inorganics, aliphatic solvents, waste oils and lubricants and light fuels from 2007 to 2009 and 2011.
All twelve (12) records are considered to have a low risk of environmental concern to the Site due to their distances from the Site or due to the type of material generated.

3.2.12.8 *Scott's Manufacturing Directories*

Scott's Directories is a data bank containing information on over 200 000 manufacturers across Canada. Scott's listings are voluntary; it is the most comprehensive database of Canadian manufacturers available.

Database:	Scott's Manufacturing Directory
Years covered:	1992 to March 2011
Search radius:	250 m
Date accessed:	October 16, 2020
Description of data, analysis and findings relevant to the Phase I ESA:	
No records were found within a 250 m radius from the Site.	

3.2.12.9 *TSSA Historic Incidents*

This database covers TSSA incidences recorded under the former reporting system. Provided is information pertaining to fuel-safety related services that are associated the handling of the use of fuels, the transportation of fuels, and the storage of fuels (such as gasoline, propane or diesel). This database also provides information regarding historical spills and leaks or fuel.

Database:	TSSA Historic Incidents
Years covered:	2006 to June 2009
Search radius:	250 m
Date accessed:	October 16, 2020
Description of data, analysis and findings relevant to the Phase I ESA:	
Two (2) records of historic incidents were retrieved within 250 m of the Site. The records are summarized as follows:	
<ul style="list-style-type: none">• A near-miss natural gas pipeline strike occurred at 133 Bandelier Way, approximately 15 m northeast of the Site, in 2008; and• A near-miss natural gas pipeline strike occurred at 351 Jackson Stitt Circle, approximately 210 m northeast of the Site, in 2008.	
They present low risks for potential environmental concern to the Site.	



3.2.12.10 Commercial Fuel Oil Tanks

The province created an inventory of records of registered commercial fuel tanks obtained under Access to Public Information.

Database:	Commercial Fuel Oil Tanks
Publication date:	July 31, 2020
Search radius:	250 m
Date accessed:	October 16, 2020
Description of data, analysis and findings relevant to the Phase I ESA:	
Stittsville Flea Market Inc. at 35 Neil Avenue (now 6176 Hazeldean Road), approximately 45 m southwest of the Site across Hazeldean Road, had a single wall underground fuel oil tank with a capacity of 2273 L installed in 2009.	

3.2.12.11 Delisted Commercial Fuel Oil Tanks

The province created a list of fuel storage tank sites that have been removed from the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Database:	Delisted Commercial Fuel Oil Tanks
Publication date:	July 31, 2020
Search radius:	250 m
Date accessed:	October 16, 2020
Description of data, analysis and findings relevant to the Phase I ESA:	
Stittsville Flea Market Inc. at 35 Neil Avenue (now 6176 Hazeldean Road), approximately 45 m southwest of the Site across Hazeldean Road, had a 2273 L fuel oil tank up to April 2013.	

3.2.12.12 National Analysis of Trends in Emergencies System

In 1974, Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spills incidents. NATES program ran from 1974 to 1994.

Database:	NATES
Years covered:	1974 to 1994
Search radius:	250 m
Date accessed:	October 16, 2020
Description of data, analysis and findings relevant to the Phase I ESA:	
No records were found within a 250 m radius from the Site.	

3.2.12.13 National Environmental Emergencies System (NEES)

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. NEES is also a repository for all previous Environment Canada spill datasets. This database was discontinued in December 2004.



Database:	NEES
Years covered:	1974 to 2003
Search radius:	250 m
Date accessed:	October 16, 2020
Description of data, analysis and findings relevant to the Phase I ESA:	
No records were found within a 250 m radius from the Site.	

3.2.12.14 Pesticide Register

The MECP maintains a database of licensed operators and vendors of registered pesticides.

Database:	Pesticide register
Years covered:	October 2011 to September 30, 2020
Search radius:	250 m
Date accessed:	October 16, 2020
Description of data, analysis and findings relevant to the Phase I ESA:	
Giant Tiger Store # 60 at 6081 Hazeldean Road, the adjacent property to the east, is listed as a limited vendor of pesticides. They present a low risk for potential environmental concern to the Site.	

3.3 Material Safety Data Sheets

No storage of chemicals was observed on-Site.

3.4 Physical Setting Sources

3.4.1 Aerial Photographs

Aerial photographs were obtained from the City of Ottawa interactive mapping system, geoOttawa. Review of the photographs was completed to develop a general history of the development of the Site and surrounding properties. Aerial photographs may be at a scale that limits a detailed review of the Site and surrounding properties. Copies of select aerial photographs are included in **Appendix D**.

Year	Photo Number	Scale
1976	Not Applicable	Not Applicable
1991	Not Applicable	Not Applicable
2002	Not Applicable	Not Applicable
2007	Not Applicable	Not Applicable
2008	Not Applicable	Not Applicable
2015	Not Applicable	Not Applicable
2017	Not Applicable	Not Applicable
Rational for time period between aerial photographs used		
A regular interval of approximately 10 years was used, when possible.		

Summary of information obtained from aerial photographs:

- In 1976 (AP1), the Site and adjacent properties to the east north and west are undeveloped and treed. Properties south of the Site, across Hazeldean Road, appear commercial or industrial.
- In 1991 (AP2), the adjacent land to the west is cleared and the south portion is used for parking. The properties to the south contain multiple additional buildings and what appear to be pop-up tents, and there are many vehicles and people on-Site.
- No significant changes were noted in the 2002 aerial photograph.
- In 2007 (AP3), the Site remains vacant and treed and the adjacent property to the west remains vacant and cleared. Many of the buildings on the properties south of the Site have been demolished. Significant development is occurring on lands east to northeast of the Site.
- In 2008, a gasoline service station is present at the northwest corner of the intersection of Stittsville Main Street and Hazeldean Road.
- In 2015, the Site remains vacant and treed.
- In 2017 (AP4), the Site is developed with a structure and parking area in the southeast portion and a paved area in the northwest portion. An apparent gravel driveway is present along the south portion of the Site. The central portion remains treed. The adjacent property to the north is under development and the property to the west is being used to support the development (i.e. access road and parking). The properties to the south remain vacant, however a large structure is now present to the southeast. The property to the east is developed with commercial buildings. A residential subdivision is present northeast of the Site.

Relevant information regarding potentially contaminating activity and areas of potential environmental concern

The gasoline service station is located approximately 150 m east of the Site. It presents a low risk for potential environmental concern to the Site due to its distance and location downgradient with respect to the inferred groundwater flow direction towards the northeast.

3.4.2 Topography, Hydrology & Geology

A topographic map was obtained to illustrate the Site's location in relation to any nearby water bodies and to document regional topography. This map is included in **Appendix E**.

Map:	Ontario Base Map
Approximate elevation:	Approximately 120 m above mean sea level (amsl).
Topography:	The general surrounding area slopes toward the northeast. The inferred groundwater flow direction in the general area is expected to follow local topography to the northeast.
Nearest open water body:	The Stittsville Wetland Complex is located on adjacent properties to the north and east of the Site. Ponds associated with the system are present approximately 420 m southeast of the Site and an unnamed creek is present approximately 425 m north of the Site.



Geological maps were reviewed to obtain information on regional geology, surficial soils and bedrock.

Generalized surficial geology:	Post-Champlain Sea Deposits: Organic Deposits, mainly muck and peat in bogs, fens, swamps and poorly drained areas. Limestone, dolomite, sandstone, and locally shale, relatively flat-lying; mainly occurring as bare, tabular outcrops (St-Onge, D.A., 2009).
Generalized bedrock geology:	Ottawa Formation: Limestone with some shaly partings: some sandstone in basal part (Harrison, J.E., 1976).

3.4.3 Areas of Natural and Scientific Interest

The Ministry of Natural Resources and Forestry (MNR) National Heritage website was reviewed on November 5, 2020. No Areas of Natural and Scientific Interest (ANSI) and Rare, Threatened or Endangered Species were identified within the study area.

3.4.3.1 Water Well Information System

The database provides information of locations and characteristics of water wells within Ontario in accordance with Ontario Regulation 903. Information of the stratigraphy, depth of bedrock and approximate depth of water table is also provided. The database was accessed through database service provider (Ecolog Eris, Toronto, Ontario) and their report is included in **Appendix C**.

Database:	Water Well Information System
Search radius:	250 m
Date accessed:	October 16, 2020
Description of data, analysis and findings relevant to the Phase I ESA:	
Thirteen (13) records of wells were obtained within 250 m of the Site, none of which were located on the Site. The wells identified are summarized as follows:	
<ul style="list-style-type: none"> Well No. 1502943 is domestic supply well installed in 1956. Although Ecolog placed the well on the eastern edge of the Site, the record states that it is located on a different lot. The subsurface materials encountered were described as “gravel” and “sand” to a depth of 13.1 m bgs, followed by “limestone” to 22.6 m bgs, where the well was terminated. The static water level was reported to be 10.1 m bgs; Well No. 1513393 is a domestic supply well installed in 1973 approximately 70 m southwest. The subsurface materials encountered was described as “clay” to a depth of 3.7 m bgs, followed by “limestone” to 19.2 m bgs where the well was terminated. The static water level was reported as 0 m bgs; Well No. 1502960 is a domestic supply well installed in 1957 approximately 76 m southeast. The subsurface materials encountered were described as “rock” to a depth of 3.0 m bgs, followed by “limestone” to 23.5 m bgs where the well was terminated. The static water level was reported to be 3.0 m bgs; Well No. 7272460 is a monitoring well that was abandoned in 2016, located approximately 84 m east-southeast. No information about the subsurface stratigraphy was reported; 	

- Well No. 7272461 is a monitoring well that was abandoned in 2016, located approximately 96 m east-southeast. No information about the subsurface stratigraphy was reported;
- Well No. 1509386 is an industrial supply well installed in 1967 approximately 96 m east-southeast. The subsurface materials encountered were described as “clay” and “boulders” to a depth of 1.5 m bgs, followed by “limestone” to 33.5 m bgs where the well was terminated. The static water level was reported to be 3.0 m bgs;
- Well No. 1511428 is a domestic supply well installed in 1971 approximately 132 m south. The subsurface materials encountered were described as “clay” and “stones” to a depth of 3.7 m bgs, followed by “hardpan” to 5.5 m bgs, and “limestone” to 17.7 m bgs, where the well was terminated. The static water level was reported to be 0.3 m bgs;
- Well No. 1511826 is a domestic supply well installed in 1972 approximately 133 m south-southeast. The subsurface materials encountered were described as “clay” and “stones” to a depth of 4.3 m bgs, followed by “limestone” to 38.7 m bgs, where the well was terminated. The static water level was reported to be 2.1 m bgs;
- Well No. 1509988 is a domestic supply well installed in 1969 approximately 222 m south. The subsurface materials encountered were described as “gravel”, “sand” and “boulders” to a depth of 4.9 m bgs, followed by “limestone” to 17.7 m bgs, where the well was terminated. The static water level was reported to be 1.5 m bgs;
- Well No. 1511016 is a domestic supply well installed in 1971 approximately 222 m south. The subsurface materials encountered were described as “gravel” and “boulders” to a depth of 4.9 m bgs, followed by “limestone” to 16.8 m bgs, where the well was terminated. The static water level was reported to be 1.2 m bgs;
- Well No. 1514047 is a domestic supply well installed in 1974 approximately 232 m south. The subsurface materials encountered were described as “clay” and “stones” to a depth of 4.9 m bgs, followed by “limestone” to 19.5 m bgs, where the well was terminated. The static water level was reported to be 1.8 m bgs;
- Well No. 1514881 is a domestic supply well installed in 1975 approximately 238 m south-southeast. The subsurface materials encountered were described as “clay” and “stones” to a depth of 5.5 m bgs, followed by “limestone” to 10.7 m bgs, where the well was terminated. The static water level was reported to be 2.4 m bgs; and
- Well No. 1502901 is a domestic supply well installed in 1958 approximately 247 m east-southeast. The subsurface materials encountered were described as “muck” to a depth of 4.3 m bgs, followed by “rock” to 15.2 m bgs, where the well was terminated. The static water level was reported to be 0.9 m bgs.

3.4.3.2 Oil, Gas and Salt Wells

The Ontario Oil, Gas and Salt Resources (OGSR) Library (<http://www.ogsrlibrary.com>) was searched on October 2, 2020 to identify if any records of oil, gas and salt wells were within the study area. No oil, gas or salt wells were identified in the study area.



3.4.3.3 City of Ottawa Landfill Document

The document titled "Old Landfill Management Strategy, Phase I Identifications of Sites, City of Ottawa, Ontario", by Golder Associates Ltd., dated October 2004, was reviewed. No landfills were identified within 250 m of the Site.

3.4.3.4 Former City of Ottawa Industrial Sites

An attempt was made to review the publication titled "Mapping and Assessment of Former Industrial Sites, City of Ottawa" by Interra Technologies, dated 1988. However, the collection room where the publication is stored at the Ottawa Public Library is currently closed to the public due to the current Covid-19 situation.

4 INTERVIEWS

An attempt was made to interview someone knowledgeable about the history of the Site, however, a suitable person could not be located.

5 SITE RECONNAISSANCE

5.1 Site Visit Information

Date:	October 19, 2020
Time:	13:15 – 14:00
Weather Conditions:	Rainy, 6°C
Person conducting Site visit:	Geneviève Marcoux, Environmental Technician
Limitation to visit:	None
Property Use	Vacant with paved and gravel parking areas.

Photographs from the Site visit are included in **Appendix F**.

5.2 Specific Observations at the Phase I Property

5.2.1 Hazardous Materials & Unidentified Substances

Hazardous materials:	Not observed.
Unidentified substances:	Not observed.

5.2.2 Storage Tanks & Containers

Aboveground storage tanks (ASTs):	Not observed.
Underground storage tanks (USTs):	Not observed.
Fill ports, vent pipes:	Not observed.
Storage containers:	Not observed.



5.2.3 Odours

Odours:	Not observed.
Air emissions:	Not observed.

5.3 Exterior Observations

5.3.1 Topographic, Geologic & Hydrogeologic Observations

Landscaped & vegetated area:	The majority of the Site consists of long grasses and shrubs. Mature trees are present in the central portion.
Pavement, roads & driveways:	A paved parking area is present in the southeastern portion of the Site and a gravel parking lot and driveway is present in the northwest portion of the Site.
Topography	Generally sloping to the northeast in the area. The Site slopes gently towards the north.
Surface drainage	Not observed.
Drainage improvements:	A ditch is present along the east portion of the Site.
Receives drainage from adjacent Sites:	Not observed. Storm sewers are present along Hazeldean Road.
Watercourses, ditches or standing water:	A ditch is present along the east portion of the Site.
Other observations:	Not observed.

5.3.2 Structures

Structures:	Not applicable.
Location:	Not applicable.
Use:	Not applicable.
Construction date:	Not applicable.
Footprint:	Not applicable.
Floors:	Not applicable.
Basement:	Not applicable.
Exterior finish:	Not applicable.

5.3.3 Other Observations

Wells:	Not observed.
Sewage disposal:	Not observed.
Pits and lagoons:	Not observed.



Wastewater:	Not observed.
Solid waste:	Not Observed.
Stained material:	Not observed.
Stressed vegetation:	Not observed.
Fill or previous fill activities:	The presence of significant amounts of fill material (beyond that required for normal construction and/or grading) was not observed.
Earth-moving activity:	Minor amounts of earth and boulders were piled onsite.
Other	The footprint of a former building is present in the northwest portion of the Site.

5.4 Utilities

Potable Water:	Municipal waters services are available.
Wastewater:	Municipal sewage services are available.
Storm Sewer:	Available.
Electricity:	Available.
Telephone:	Available.
Natural Gas:	Available.

5.5 Interior of Structures

Heating Systems	Not Applicable.
Cooling Systems	Not Applicable.
Floor drains:	Not Applicable.
Sumps:	Not Applicable.
Paint booth:	Not Applicable.
Staining or corrosion (other than water):	Not Applicable.
Mechanical equipment:	Not Applicable.
Interior finishing	Not Applicable.
Other:	Not Applicable.



5.6 Adjacent Land Use

Current land uses of adjoining properties were observed from the property limits and publicly accessible locations to assess potential impacts to the Site that may arise from off-Site operations. Properties surrounding the subject Site are as follows:

North:	Residential.
South:	Hazeldean Road followed by commercial and residential.
East:	Commercial.
West	Vacant.

5.7 Special Attention Items

Eleven chemical substances have been identified under the Occupational Health and Safety Act (OHSA) and regulations have been set in place to prohibit, regulate, restrict, limit or control workers exposure to these substances. Other hazardous materials not included in the OHSA but under the Environmental Protection Act were also observed. The observations presented herein do not constitute a designated substance/hazardous material survey but are rather for information purposes only.

5.7.1 Designated Substances

Asbestos Containing Material (ACM)

Since the late 1970's the manufacture and use of asbestos containing building materials started to decrease. It is commonly presumed that buildings constructed prior to 1980 are more likely to contain both friable and non-friable forms of asbestos. Generally, buildings constructed up to the mid-1980's are more likely to contain non-friable asbestos (flooring, joint compound).

No buildings are present on the Site, therefore, the presence of ACMs is unlikely.

Lead

Lead may be present in a variety of building materials including paint and water distributions pipes, however, lead based paints (LBP) are considered the most significant hazard. According to published information by Health Canada concerning LBP, buildings constructed before 1980 may contain lead-based interior and exterior paints.

No buildings are present on the Site, therefore, the presence of lead containing building materials is unlikely.

Mercury

Minor amounts of mercury may be present in a variety of building material including mercury vapour lamps, fluorescent light tubing, thermostats and other electrically control switches. These materials were not observed on-Site.

Silica

Silica may be present in building materials such as brick, concrete and mortar. These materials were not observed on-Site.

Others

No other designated substances were identified (i.e. arsenic, ethylene oxide, silica, vinyl chloride, benzene, coke oven emissions, acrylonitrile or isocyanates).

5.7.2 Other Hazardous Building Materials/Items

Microbial Contamination and Mould: Not Applicable.
Ozone-Depleting Substances (ODS): ODS such as chlorofluorocarbons (CFC) and hydrochlorofluorocarbon (HCFC) are typically found in refrigeration equipment, air conditioners, aerosols, cleaning solvents and fire extinguishers. Federal regulations required the elimination of production and import of CFC and a freeze on the production and import of HCFC by January 1, 1996. The regulations govern only the production and import therefore these materials are still used as long as a supply is in place.
Polychlorinated Biphenyls (PCB): The Federal Chlorobiphenyls Regulation, SOR/91-152 prohibits PCBs from being used in products, equipment, machinery, electrical transformers and capacitors which were manufactured or imported into the country after July 1, 1980. However, older equipment in use after this date may still contain PCBs if the equipment fluid has not been replaced. PCB-containing equipment can also include fluorescent, mercury, and sodium vapour light ballasts. A pole-mounted transformer was observed along the south portion of the Site. The transformer appeared in good condition.
Urea Formaldehyde Foam Insulation (UFFI): UFFI was widely used as an insulating material until December 1980 when a ban was enacted under the Hazardous Products Act. UFFI was commonly injected through walls by drilling injections holes in roof structures, ceilings and overhangs. No buildings are present on the Site, therefore, the presence of UFFI containing building materials is unlikely.
Radon: Radon gas is a product of the decay series of uranium that is commonly found in geological units that contain black shale, sandstone or granite. Radon can percolate up through the soil where it may accumulate in basement of buildings with cracks or joints in the foundation. Because the existence of radon is dependent upon geological factors, it is more a regional concern than site specific. Based on the review of radon maps of the eastern Ontario region, radon levels in the area of the Site are indicated as moderate. Radon exposure can lead to increased risk of developing lung cancer.
Electric and Magnetic Fields: Electromagnetic fields are generally associated with high frequency power lines. High voltage power lines were not observed in the vicinity of the Site.
Noise and Vibration: Noise and vibration are typical of an urban environment (i.e. traffic).
Methane: Methane gas is a colourless and odourless gas commonly formed by the decomposition of organic material. The Site is not close to any active or closed waste disposal sites, marshes, swamps or peat deposits therefore methane is not a concern.



6 REVIEW AND EVALUATION OF INFORMATION

6.1 Current and Past Uses

Below is a summary of the current and past uses of 6111 Hazeldean Road in Ottawa, Ontario:

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
2015 - 2020	Unknown	The Site was vacant in the 2015 aerial photograph. In the 2017 aerial photograph the Site was developed with a structure and parking area in the southeast portion and a paved area in the northwest portion. The building was no longer present during the Site visit in 2020.		Aerial Photographs, Site Visit
Unknown to June 2020	2316534 Ontario Inc.	Vacant	Vacant	Title Search, Aerial Photographs
June 2020 - Present	Grant Castle Corp.	Vacant	Vacant	Title Search, Site Visit, Interview



7 POTENTIALLY CONTAMINATING ACTIVITY & AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

A potentially contaminating activity is a use or activity set out in Table 2 of Schedule D of the O. Reg. 153/04. These activities are summarized in the Table included in **Appendix G**. The potential contaminating activities identified during the Phase I ESA in the study area are summarized below and the approximate locations are shown in the attached **Figure 2**.

PEC	Location	Comments	Contaminants of Potential Concern	Media Potentially Impacted	Level of Risk
Fill	Adjacent properties to the north and west.	A previous environmental investigation conducted by Paterson Engineering reported fill across the Site and adjacent property. Further aerial photography review indicate that the fill was likely on the adjacent properties to the north and west. Similar fill material on an adjacent property was tested and reported by Paterson Engineering to meet the applicable residential standards.	VOC, PHC, metals	Soil	Low
Gasoline Service Station	Approximately 150 m east of the Site	Esso Gasoline Service Station present circa 2008.	VOC, PHC	Soil and groundwater	Low
Fuel Oil Tank	Approximately 45 m southwest of the Site	Commercial underground fuel oil storage tank installed in 2009 and delisted in 2013.	VOC, PHC	Soil and groundwater	Low

Notes: PEC – Potential Environmental Concern
VOC – Volatile Organic Compounds
PHC – Petroleum Hydrocarbons

Risk levels: Low – Unlikely potential for environmental impacts
Moderate – Some potential for environmental impacts
High – Definite potential for environmental impacts

8 CONCEPTUAL SITE MODEL

The location of the Site is shown in the attached **Figure 1** and the current layout of the Site is shown in the attached **Figure 2**. The Phase I ESA identified the following:

- The Site is irregularly shaped with an approximate area of 18,520 m² (4.6 acres). The Site is developed with a parking area in the southeast portion and a paved area in the northwest portion. An apparent gravel driveway is present along the south portion of the Site. The central portion remains treed. The adjacent property to the north is under development and the property to the west is being used to support the development (i.e. access road and parking). The properties to the south remain vacant, however a large

structure is now present to the southeast. The property to the east is developed with commercial buildings. A residential subdivision is present northeast of the Site.

- According to aerial photography, the Site appears to have been vacant until at least 2015. A building and parking areas were visible in the 2017 aerial photograph.
- The activities on the Site and lands within the 250 m study area are predominantly residential and commercial. The adjacent property use at the time of this Phase I ESA is as follows:
 - North: Residential.
 - South: Hazeldean Road followed by commercial and residential.
 - East: Commercial.
 - West: Vacant.
- The Stittsville Wetland Complex is located on adjacent properties to the north and east of the Site. Ponds associated with the system are present approximately 420 m southeast of the Site and an unnamed creek is present approximately 425 m north of the Site.
- The general surrounding area slopes toward the northeast. The inferred groundwater flow direction in the general area is expected to follow local topography toward the northeast.
- Geological mapping describes the surficial geology to consist of organic deposits, consisting of mainly peat and muck, and outcropping limestone, dolomite, sandstone and locally shale bedrock. The bedrock is described as limestone with some shaly partings, with some sandstone in basal part.
- One (1) record of a spill was found within 250 m of the Site. In August 1993, waste motor oil was spilled from an above ground storage tank at 1224 Main Street, approximately 175 m southeast of the Site. Soil contamination was confirmed. The spill presents a low risk for potential environmental concern to the Site due to its distance from the Site.
- Twelve (12) waste generator records were listed for three (3) properties within 250 m of the Site as follows:
 - Hazeldean Gardens Retirement at 6130 Hazeldean Road, approximately 45 m south of the Site across Hazeldean Road, is listed as a generator of waste oils/sludges (petroleum based) as of December 2017.
 - D Bartos and M Northcott Dentistry Professional Co. at 8-6081 Hazeldean Road, the adjacent property east of the Site, is listed as a generator of pathological wastes in 2014, 2015, 2016, as of December 2018, and as of July 2020.
 - Carleton Board of Education at 1224 Main Street, approximately 130 m south of the Site, is listed as a generator of aromatic solvents, petroleum distillates and waste oils and lubricants from 1988 to 2004. They are also listed as generating paint/pigment/coating residues, other specified inorganics, aliphatic solvents, waste oils and lubricants and light fuels from 2007 to 2009 and 2011.

All twelve (12) records are considered to have a low risk of environmental concern to the Site due to their distances from the Site or due to the type of material generated.

- There are no records of a waste disposal site, coal tar industrial site, PCB storage site or waste receivers within a 250 m radius.



- Based on the results of the Phase I Environmental Site Assessment the following potential contaminating activities were identified:

PEC	Location	Comments	Contaminants of Potential Concern	Media Potentially Impacted	Level of Risk
Fill	Adjacent properties to the north and west.	A previous environmental investigation conducted by Paterson Engineering reported fill across the Site and adjacent property. Further aerial photography review indicate that the fill was likely on the adjacent properties to the north and west. Similar fill material on an adjacent property was tested and reported by Paterson Engineering to meet the applicable residential standards.	VOC, PHC, metals	Soil	Low
Gasoline Service Station	Approximately 150 m east of the Site	Esso Gasoline Service Station present circa 2008.	VOC, PHC	Soil and groundwater	Low
Fuel Oil Tank	Approximately 45 m southwest of the Site	Commercial underground fuel oil storage tank installed in 2009 and delisted in 2013.	VOC, PHC	Soil and groundwater	Low

Notes: PEC – Potential Environmental Concern
VOC – Volatile Organic Compounds
PHC – Petroleum Hydrocarbons

Risk levels: Low – Unlikely potential for environmental impacts
Moderate – Some potential for environmental impacts
High – Definite potential for environmental impacts

9 CONCLUSIONS AND RECOMMENDATIONS

Based on the findings of the Phase I ESA, the potential environmental risk to the Site associated with the present and former uses of the Site and properties within the 250 m study area is considered low. No further environmental work is recommended.

Under the Freedom of Information (FOI) Act, an FOI request was made to the MECP. A formal response is expected and will be reviewed by LRL. If the response details any issues of potential environmental concern with respect to the Site, a copy will be forwarded to the client so that it can be appended to this report.

A request was made to the City of Ottawa for records under the Historic Land Use Inventory. A formal response is expected and will be reviewed by LRL. If the response details any issues of potential environmental concern with respect to the Site, a copy will be forwarded to the client so that it can be appended to this report.

10 LIMITATIONS AND USE OF REPORT

Results of this Phase I ESA should not be considered a warranty that the subject property is free from any and all contaminants from former and current practices, other than those noted in this report, nor that all compliance issues have been addressed.

Findings contained in this report are based on data and information collected during the Phase I ESA for the subject property conducted by LRL Associates Ltd. Conclusions and recommendations are based solely on-site conditions encountered at the time of our Site visit on October 19, 2020, supplemented by historical information and data obtained as described in this report. No assurance is made regarding changes in conditions subsequent to the time of this investigation. If additional information is discovered or obtained, LRL Associates Ltd. should be requested to re-evaluate the conclusions presented in this report and to provide amendments as required.


In evaluating the subject property, LRL Associates Ltd. has relied in good faith on information provided by individuals as noted in this report. We assume that the information provided is factual and accurate. We accept no responsibility for any deficiencies, misstatements or inaccuracies contained in this report as a result of omissions, misinterpretation or fraudulent acts of the persons contacted.


This report is intended for the sole use of MacEwen Petroleum Inc. and their authorized agents. LRL Associates Ltd. will not be responsible for any use of the information contained within this report by any third party.

In addition, LRL Associates Ltd. will not be responsible for the real or perceived decrease in the property value, its saleability or ability to gain financing, through the reporting of factual information.

Yours truly,

LRL Associates Ltd.


Matthew Whitney, P. Eng.



11 REFERENCES

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FIGURES



LRJ

ENGINEERING | INGÉNIERIE

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www.lrl.ca | (613) 842-3434

PROJECT

PHASE I ENVIRONMENTAL
SITE ASSESSMENT
6111 HAZELDEAN ROAD
OTTAWA, ONTARIO

DRAWING TITLE

SITE LOCATION
(NOT TO SCALE)
SOURCE: GEOOTTAWA

CLIENT

MACEWEN PETROLEUM INC.

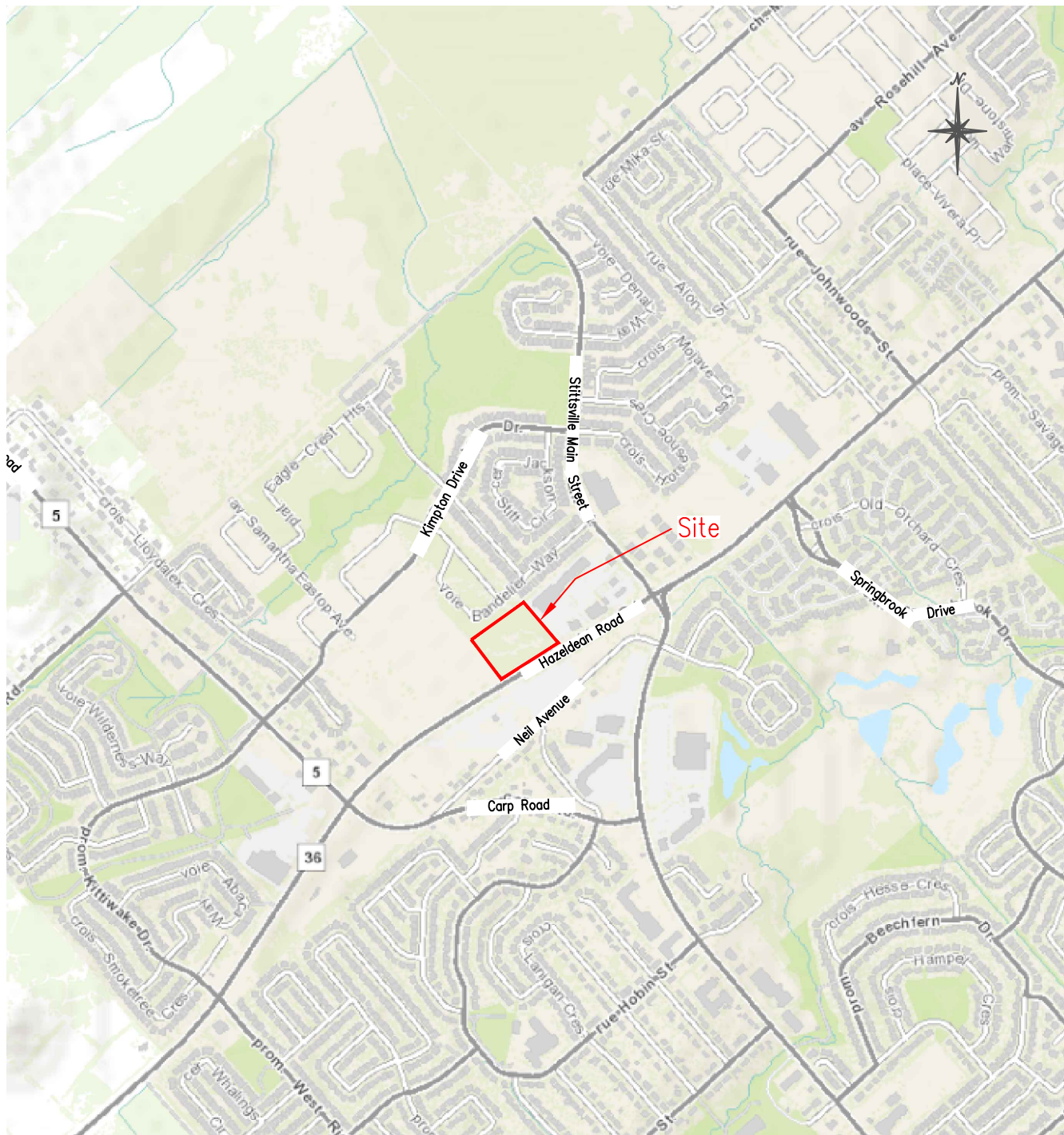
DATE

NOVEMBER 2020

PROJECT

200100.04

FIGURE 1





LRJ

ENGINEERING | INGÉNIERIE

5430 Canotek Road | Ottawa, ON, K1J 9G2
www.lri.ca | (613) 842-3434

PROJECT

PHASE I ENVIRONMENTAL
SITE ASSESSMENT
6111 HAZELDEAN ROAD
OTTAWA, ONTARIO

DRAWING TITLE

SITE PLAN
Scale 1:1500

CLIENT

MACEWEN PETROLEUM INC.

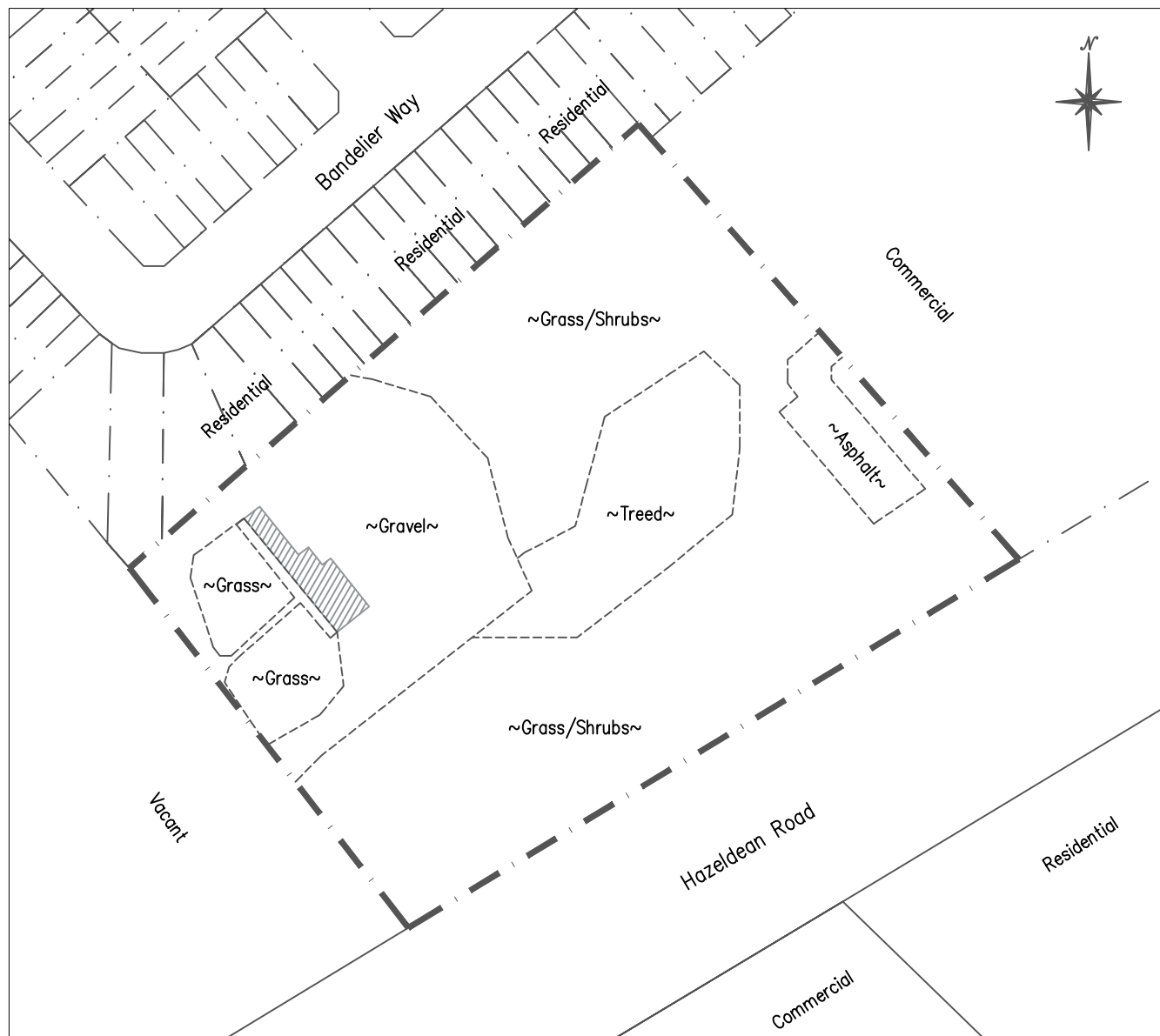
DATE

NOVEMBER 2020

PROJECT

200100.04

FIGURE 2



Legend

- Property Line
- Division Amongst Surface Materials
- Former Building Footprint

APPENDIX A

CHAIN OF TITLE

PROPERTY DESCRIPTION: PART LOT 24, CONCESSION 12, GOULBOURN, PART 2, PLAN 4R-30619; CITY OF OTTAWA

PROPERTY REMARKS: FOR THE PURPOSE OF THE QUALIFIER THE DATE OF REGISTRATION OF ABSOLUTE TITLE IS JULY 7, 2014. PLANNING ACT CONSENT IN DOCUMENT OC1973510.

ESTATE/QUALIFIER:
FEE SIMPLE
LT ABSOLUTE PLUS

RECENTLY:
DIVISION FROM 04487-2428

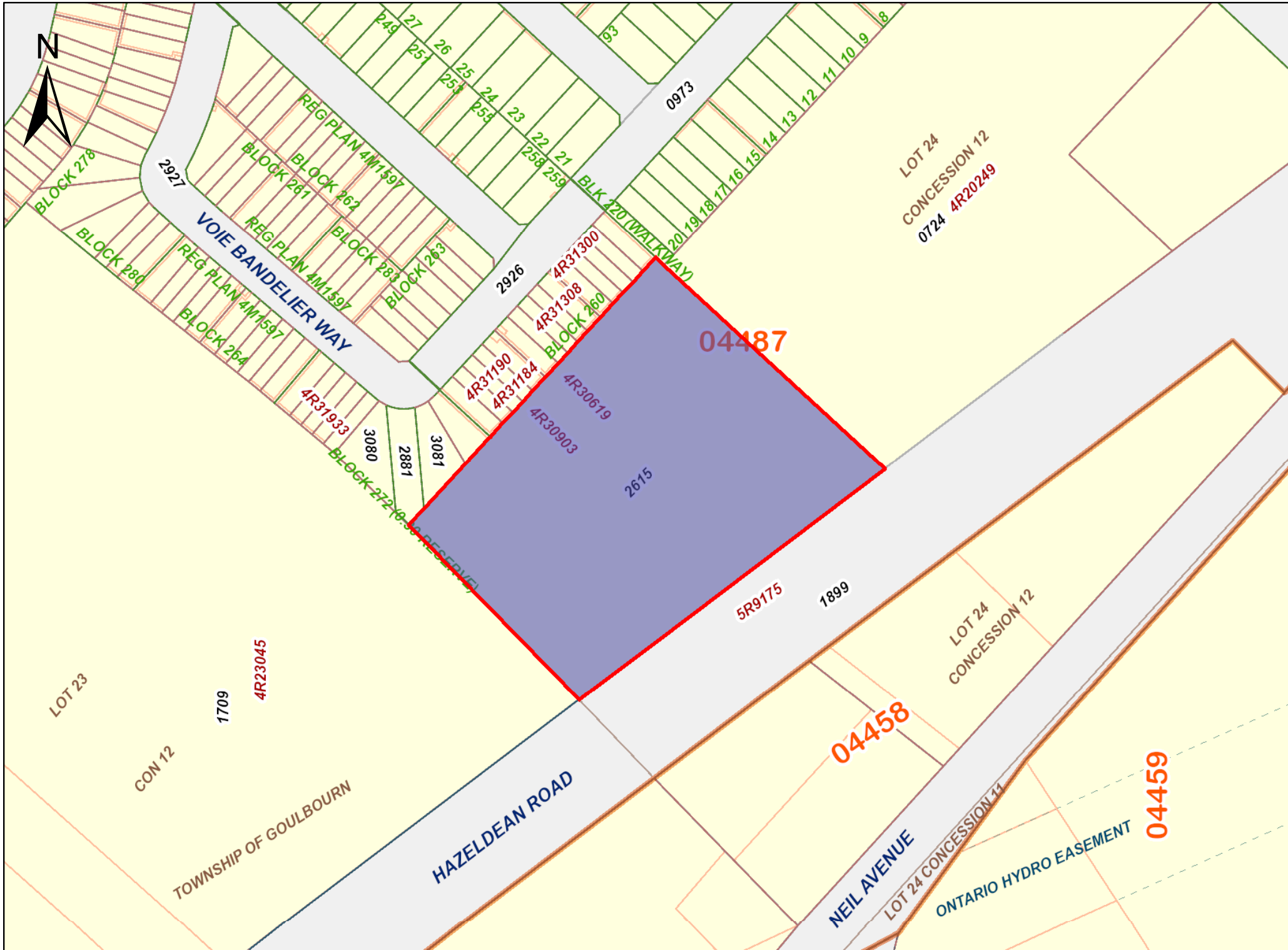
PIN CREATION DATE:
2018/02/23

OWNERS' NAMES
GRANT CASTLE CORP.

CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) **						
**SUBJECT TO SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPHS 3 AND 14 AND *						
** PROVINCIAL SUCCESSION DUTIES AND EXCEPT PARAGRAPH 11 AND ESCHEATS OR FORFEITURE **						
** TO THE CROWN UP TO THE DATE OF REGISTRATION WITH AN ABSOLUTE TITLE. **						
GB14119	1962/03/09	BYLAW				C
REMARKS: SEE LT111755						
4R30619	2017/10/06	PLAN REFERENCE				C
OC2223309	2020/06/05	TRANSFER	\$3,500,000	2316534 ONTARIO INC.	GRANT CASTLE CORP.	C
REMARKS: PLANNING ACT STATEMENTS.						
OC2228725	2020/06/24	CHARGE	\$18,000,000	GRANT CASTLE CORP.	CANADIAN IMPERIAL BANK OF COMMERCE	C

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



APPENDIX B
CITY DIRECTORIES

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



CITY
DIRECTORY

Project Property: *6111 Hazeldean Road, Stittsville, ON*
Report Type: *City Directory*
Order No: *20300100320*
Information Source: *Vernon's Ottawa & Area, Ontario City Directory*
Date Completed: *07/10/2020*

City Directory Information Source	
Vernon's Ottawa & Area, Ontario City Directory	

PROJECT NUMBER: 20300100320	
Site Address:	6111 Hazeldean Road, Stittsville, ON
Year: 2010	
Site Listing:	-Unable to note specific information related to the site(s) in question due to limitations placed on our research ability.
Adjacent Properties:	
6061 Hazeldean Road	-Information Unobtainable
6081 Hazeldean Road	-Information Unobtainable
6130 Hazeldean Road	-Address Not Listed
6150 Hazeldean Road	-Address Not Listed
6171 Hazeldean Road	-Address Not Listed
6176 Hazeldean Road	-Address Not Listed
135 Bandelier Way	-Information Unobtainable

147 Bandelier Way	-Information Unobtainable
159 Bandelier Way	-Information Unobtainable
171 Bandelier Way	-Information Unobtainable

PROJECT NUMBER: 20300100320	
Site Address:	6111 Hazeldean Road, Stittsville, ON
Year: 2004/05	
Site Listing:	-Unable to note specific information related to the site(s) in question due to limitations placed on our research ability.
Adjacent Properties:	
6061 Hazeldean Road	-Information Unobtainable
6081 Hazeldean Road	-Information Unobtainable
6130 Hazeldean Road	-Address Not Listed
6150 Hazeldean Road	-Address Not Listed
6171 Hazeldean Road	-Address Not Listed

6176 Hazeldean Road	-Stittsville Market
135 Bandelier Way	-Information Unobtainable
147 Bandelier Way	-Information Unobtainable
159 Bandelier Way	-Information Unobtainable
171 Bandelier Way	-Information Unobtainable

PROJECT NUMBER: 20300100320	
Site Address:	6111 Hazeldean Road, Stittsville, ON
Year: 1999/00	
Site Listing:	-Unable to note specific information related to the site(s) in question due to limitations placed on our research ability.
Adjacent Properties:	
6061 Hazeldean Road	-Information Unobtainable
6081 Hazeldean Road	-Information Unobtainable
6130 Hazeldean Road	-Address Not Listed

6150 Hazeldean Road	-Address Not Listed
6171 Hazeldean Road	-Address Not Listed
6176 Hazeldean Road	-Stittsville Market
135 Bandelier Way	-Information Unobtainable
147 Bandelier Way	-Information Unobtainable
159 Bandelier Way	-Information Unobtainable
171 Bandelier Way	-Information Unobtainable

PROJECT NUMBER: 20300100320	
Site Address:	6111 Hazeldean Road, Stittsville, ON
Year: 1995/96	
Site Listing:	-Unable to note specific information related to the site(s) in question due to limitations placed on our research ability.
Adjacent Properties:	
6061 Hazeldean Road	-Information Unobtainable

6081 Hazeldean Road	-Information Unobtainable
6130 Hazeldean Road	-Address Not Listed
6150 Hazeldean Road	-Address Not Listed
6171 Hazeldean Road	-Address Not Listed
6176 Hazeldean Road	-Stittsville Market
135 Bandelier Way	-Information Unobtainable
147 Bandelier Way	-Information Unobtainable
159 Bandelier Way	-Information Unobtainable
171 Bandelier Way	-Information Unobtainable

PROJECT NUMBER: 20300100320	
Site Address:	6111 Hazeldean Road, Stittsville, ON
Year: 1992	
Site Listing:	-Unable to note specific information related to the site(s) in question due to limitations placed on our research ability.

Adjacent Properties:	
6061 Hazeldean Road	-Information Unobtainable
6081 Hazeldean Road	-Information Unobtainable
6130 Hazeldean Road	-Address Not Listed
6150 Hazeldean Road	-Address Not Listed
6171 Hazeldean Road	-Address Not Listed
6176 Hazeldean Road	-Stittsville Market
135 Bandelier Way	-Information Unobtainable
147 Bandelier Way	-Information Unobtainable
159 Bandelier Way	-Information Unobtainable
171 Bandelier Way	-Information Unobtainable

*****Stittsville ON is listed from 1992 to 2010 within the city directory archives*****

-All listings for businesses were listed as they are in the city directory.

-Listings that are residential are listed as “residential” with the number of tenants. The name of the residential tenant is not listed in the above city directory.

APPENDIX C
ECOLOG ERIS REPORT



DATABASE REPORT

Project Property:	<i>Phase I ESA 6111 Hazeldean Road Stittsville ON K2S 1B9 200100</i>
Project No:	
Report Type:	<i>Quote - Custom-Build Your Own Report</i>
Order No:	<i>20300100320</i>
Requested by:	<i>LRL Associates Ltd.</i>
Date Completed:	<i>October 16, 2020</i>

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Executive Summary

Property Information:

Project Property: *Phase I ESA
6111 Hazeldean Road Stittsville ON K2S 1B9*

Project No: *200100*

Order Information:

Order No: *20300100320*

Date Requested: *October 1, 2020*

Requested by: *LRL Associates Ltd.*

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

Historical/Products:

City Directory Search *CD - Subject Site plus 10 Adjacent Properties*

Insurance Products *Fire Insurance Maps/Inspection Reports/Site Plans*

Land Title Search *Current Land Title Search*

Topographic Map *Ontario Base Map (OBM)*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	1	1	2
CA	Certificates of Approval	Y	0	0	0
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	1	1
CHEM MAN	Chemical Manufacturers and Distributors	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DELISTED	Delisted Fuel Tanks	Y	0	1	1
TANK DRL	Drill Hole Database	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	1	1
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	2	2
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	8	8
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	6	6
FSTH	Fuel Storage Tank - Historic	Y	0	1	1
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	12	12
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	2	2
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	3	3
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	1	1
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	1	12	13
Total:			2	51	53

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	WWIS		lot 23 con 12 ON Well ID: 1502943	ENE/0.0	0.00	22
2	BORE		ON	ENE/0.0	0.00	24

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>3</u>	EASR	HAZELDEAN GARDENS RETIREMENT RESIDENCE INC.	6130 HAZELDEAN RD STITTSVILLE ON K2S 1B9	ESE/45.2	0.00	<u>25</u>
<u>3</u>	ECA	Hazeldean Gardens Retirement Residence Inc.	6130 Hazeldean Rd Ottawa ON K1Z 5L5	ESE/45.2	0.00	<u>25</u>
<u>3</u>	GEN	HAZELDEAN GARDENS RETIREMENT	6130 hazeldean road OTTAWA ON K2S 1A1	ESE/45.2	0.00	<u>26</u>
<u>4</u>	ECA	2073945 Ontario Inc.	6150 Hazeldean Road Ottawa ON K1J 8W8	SSE/48.8	1.00	<u>26</u>
<u>5</u>	DTNK	Stittsville Flea Market Inc.	35 Neil Ave. Stittsville ON K2S 1B9	SE/50.7	1.00	<u>26</u>
<u>5</u>	CFOT	STITTSVILLE FLEA MARKET INC	35 NEIL AVENUE STITTSVILLE K2S 1B9 ON CA ON	SE/50.7	1.00	<u>27</u>
<u>5</u>	FST	STITTSVILLE FLEA MARKET INC	35 NEIL AVENUE STITTSVILLE K2S 1B9 ON CA ON	SE/50.7	1.00	<u>27</u>
<u>6</u>	WWIS		lot 23 con 12 ON Well ID: 1513393	SSW/68.3	1.00	<u>27</u>
<u>7</u>	PES	GIANT TIGER STORE # 60 - TORA STITTSVILLE LIMITED	6081 HAZELDEAN RD OTTAWA ON K2S 1B9	ENE/75.3	0.00	<u>30</u>
<u>7</u>	PES	GIANT TIGER STORE # 60 - TORA STITTSVILLE LIMITED	6081 HAZELDEAN RD OTTAWA ON K2S 1B9	ENE/75.3	0.00	<u>31</u>
<u>7</u>	GEN	D Bartos and M Northcott Dentistry Professional Co	8-6081 Hazeldean Road Stittsville ON K2S 1B9	ENE/75.3	0.00	<u>31</u>
<u>7</u>	GEN	D Bartos and M Northcott Dentistry Professional Co	8-6081 Hazeldean Road Stittsville ON K2S 1B9	ENE/75.3	0.00	<u>31</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>7</u>	GEN	D Bartos and M Northcott Dentistry Professional Co	8-6081 Hazeldean Road Stittsville ON K2S 1B9	ENE/75.3	0.00	<u>32</u>
<u>7</u>	GEN	D Bartos and M Northcott Dentistry Professional Co	8-6081 Hazeldean Road Stittsville ON K2S 1B9	ENE/75.3	0.00	<u>32</u>
<u>7</u>	EHS		6081 Hazeldean Road Stittsville ON	ENE/75.3	0.00	<u>32</u>
<u>7</u>	PES	GIANT TIGER STORE # 60 - TORA STITTSVILLE LIMITED	6081 HAZELDEAN RD OTTAWA ON K2S1B8	ENE/75.3	0.00	<u>32</u>
<u>7</u>	GEN	D Bartos and M Northcott Dentistry Professional Co	8-6081 Hazeldean Road Stittsville ON K2S 1B9	ENE/75.3	0.00	<u>33</u>
<u>8</u>	WWIS		lot 24 con 12 ON Well ID: 1502960	SE/75.6	1.00	<u>33</u>
<u>9</u>	WWIS		ON Well ID: 7272460	ESE/83.9	1.00	<u>35</u>
<u>10</u>	WWIS		ON Well ID: 7272461	ESE/95.9	1.00	<u>37</u>
<u>11</u>	WWIS		ON Well ID: 1509386	ESE/96.0	0.00	<u>39</u>
<u>12</u>	HINC		113 BANDELIER WAY STITTSVILLE ON K2S 0C3	NE/128.0	-0.69	<u>41</u>
<u>13</u>	WWIS		ON Well ID: 1511428	S/132.3	1.69	<u>42</u>
<u>14</u>	BORE		ON	SSE/132.8	1.69	<u>45</u>
<u>15</u>	WWIS		ON	SSE/132.9	1.69	<u>46</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1511826			
16	EHS		6171 Hazeldean Road Stittsville ON K2S 1B9	W/167.0	0.97	49
16	EHS		6171 Hazeldean Road Stittsville ON K2S 1B9	W/167.0	0.97	49
17	EHS		6176 Hazeldean Road Stittsville ON K2S 1B9	SSW/167.1	2.00	49
17	EHS		6176 Hazeldean Road Stittsville ON K2S 1B9	SSW/167.1	2.00	49
17	EHS		6176 Hazeldean Road Stittsville ON K2S 1B9	SSW/167.1	2.00	50
18	EHS		6171 Hazeldean Rd Ottawa ON K2S1B9	W/168.3	1.00	50
19	SPL	BOARD OF EDUCATION	1224 MAIN ST. GOULBOURN TOWNSHIP ON	ESE/175.6	1.00	50
19	GEN	CARLETON BOARD OF EDUCATION	CENTRAL DEPOT 1224 MAIN STREET STITTSVILLE ON K0A 3G0	ESE/175.6	1.00	51
19	GEN	CARLETON BOARD OF EDUCATION 10-293	CENTRAL DEPOT 1224 MAIN STREET STITTSVILLE ON K0A 3G0	ESE/175.6	1.00	51
19	GEN	OTTAWA-CARLETON DISTRICT SCHOOL BOARD	CENTRAL DEPOT 1224 MAIN STREET GOULBOURN TOWNSHIP ON K0A 3G0	ESE/175.6	1.00	51
19	EHS		1224 Stittsville Main Street STITTSVILLE ON K2S 0E2	ESE/175.6	1.00	52
19	GEN	OTTAWA-CARLETON DISTRICT SCHOOL BOARD	1224 MAIN STREET STITTSVILLE ONTARIO ON K2S 0E2	ESE/175.6	1.00	52
19	GEN	OTTAWA-CARLETON DISTRICT SCHOOL BOARD	1224 MAIN STREET STITTSVILLE ONTARIO ON	ESE/175.6	1.00	52

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
19	GEN	OTTAWA-CARLETON DISTRICT SCHOOL BOARD	1224 MAIN STREET STITTSVILLE ONTARIO ON	ESE/175.6	1.00	53
20	FST	SUNCOR ENERGY PRODUCTS PARTNERSHIP	6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA 6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA ON	ENE/195.4	-1.00	54
20	FST	SUNCOR ENERGY PRODUCTS PARTNERSHIP	6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA 6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA ON	ENE/195.4	-1.00	54
20	FST	SUNCOR ENERGY PRODUCTS PARTNERSHIP	6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA 6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA ON	ENE/195.4	-1.00	55
20	FST	SUNCOR ENERGY PRODUCTS PARTNERSHIP	6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA 6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA ON	ENE/195.4	-1.00	55
20	FST		6061 HAZELDEAN RD STITTSVILLE ON K2S 1B9	ENE/195.4	-1.00	56
21	FSTH	6161031 CANADA LTD O/A GAS STN	6061 HAZELDEAN RD OTTAWA ON	ENE/196.4	-1.00	56
22	HINC		351 JACKSON STITT CIRCLE STITTSVILLE ON K2S 0C4	N/220.8	0.00	57
23	WWIS		ON Well ID: 1509988	S/222.0	2.00	57
23	WWIS		ON Well ID: 1511016	S/222.0	2.00	60
24	WWIS		lot 23 ON Well ID: 1514047	S/232.3	2.00	63
25	WWIS		ON	SSE/237.8	2.00	65

<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>
			Well ID: 1514881			
26	WWIS		lot 24 con 11 ON	ESE/247.1	0.00	68
			Well ID: 1502901			

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 2 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	0.0	<u>2</u>
	ON	132.8	<u>14</u>

CFOT - Commercial Fuel Oil Tanks

A search of the CFOT database, dated Jul 31, 2020 has found that there are 1 CFOT site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
STITTSTVILLE FLEA MARKET INC	35 NEIL AVENUE STITTSTVILLE K2S 1B9 ON CA ON	50.7	<u>5</u>

DELISTED TANK - Delisted Fuel Tanks

A search of the DELISTED TANK database, dated Jul 31, 2020 has found that there are 1 DELISTED TANK site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Stittsville Flea Market Inc.	35 Neil Ave. Stittsville ON K2S 1B9	50.7	<u>5</u>

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011-Sep 30, 2020 has found that there are 1 EASR site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
HAZELDEAN GARDENS RETIREMENT RESIDENCE INC.	6130 HAZELDEAN RD STITTSTVILLE ON K2S 1B9	45.2	<u>3</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Sep 30, 2020 has found that there are 2 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Hazeldean Gardens Retirement Residence Inc.	6130 Hazeldean Rd Ottawa ON K1Z 5L5	45.2	<u>3</u>
2073945 Ontario Inc.	6150 Hazeldean Road Ottawa ON K1J 8W8	48.8	<u>4</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jul 31, 2020 has found that there are 8 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	6081 Hazeldean Road Stittsville ON	75.3	<u>7</u>
	6171 Hazeldean Road Stittsville ON K2S 1B9	167.0	<u>16</u>
	6171 Hazeldean Road Stittsville ON K2S 1B9	167.0	<u>16</u>
	6176 Hazeldean Road Stittsville ON K2S 1B9	167.1	<u>17</u>
	6176 Hazeldean Road Stittsville ON K2S 1B9	167.1	<u>17</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	6176 Hazeldean Road Stittsville ON K2S 1B9	167.1	<u>17</u>
	6171 Hazeldean Rd Ottawa ON K2S1B9	168.3	<u>18</u>
	1224 Stittsville Main Street STITTSVILLE ON K2S 0E2	175.6	<u>19</u>

FST - Fuel Storage Tank

A search of the FST database, dated Jul 31, 2020 has found that there are 6 FST site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
STITTSVILLE FLEA MARKET INC	35 NEIL AVENUE STITTSVILLE K2S 1B9 ON CA ON	50.7	<u>5</u>
SUNCOR ENERGY PRODUCTS PARTNERSHIP	6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA 6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA ON	195.4	<u>20</u>
	6061 HAZELDEAN RD STITTSVILLE ON K2S 1B9	195.4	<u>20</u>
SUNCOR ENERGY PRODUCTS PARTNERSHIP	6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA 6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA ON	195.4	<u>20</u>
SUNCOR ENERGY PRODUCTS PARTNERSHIP	6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA 6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA ON	195.4	<u>20</u>
SUNCOR ENERGY PRODUCTS PARTNERSHIP	6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA 6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA ON	195.4	<u>20</u>

FSTH - Fuel Storage Tank - Historic

A search of the FSTH database, dated Pre-Jan 2010* has found that there are 1 FSTH site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
6161031 CANADA LTD O/A GAS STN	6061 HAZELDEAN RD OTTAWA ON	196.4	<u>21</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jul 31, 2020 has found that there are 12 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
HAZELDEAN GARDENS RETIREMENT	6130 hazeldean road OTTAWA ON K2S 1A1	45.2	<u>3</u>
D Bartos and M Northcott Dentistry Professional Co	8-6081 Hazeldean Road Stittsville ON K2S 1B9	75.3	<u>7</u>
D Bartos and M Northcott Dentistry Professional Co	8-6081 Hazeldean Road Stittsville ON K2S 1B9	75.3	<u>7</u>
D Bartos and M Northcott Dentistry Professional Co	8-6081 Hazeldean Road Stittsville ON K2S 1B9	75.3	<u>7</u>
D Bartos and M Northcott Dentistry Professional Co	8-6081 Hazeldean Road Stittsville ON K2S 1B9	75.3	<u>7</u>
D Bartos and M Northcott Dentistry Professional Co	8-6081 Hazeldean Road Stittsville ON K2S 1B9	75.3	<u>7</u>
OTTAWA-CARLETON DISTRICT SCHOOL BOARD	1224 MAIN STREET STITTSTVILLE ONTARIO ON	175.6	<u>19</u>
OTTAWA-CARLETON DISTRICT SCHOOL BOARD	1224 MAIN STREET STITTSTVILLE ONTARIO ON K2S 0E2	175.6	<u>19</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
OTTAWA-CARLETON DISTRICT SCHOOL BOARD	1224 MAIN STREET STITTSVILLE ONTARIO ON	175.6	19
OTTAWA-CARLETON DISTRICT SCHOOL BOARD	CENTRAL DEPOT 1224 MAIN STREET GOULBOURN TOWNSHIP ON K0A 3G0	175.6	19
CARLETON BOARD OF EDUCATION 10-293	CENTRAL DEPOT 1224 MAIN STREET STITTSVILLE ON K0A 3G0	175.6	19
CARLETON BOARD OF EDUCATION	CENTRAL DEPOT 1224 MAIN STREET STITTSVILLE ON K0A 3G0	175.6	19

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 2 HINC site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	113 BANDELIER WAY STITTSVILLE ON K2S 0C3	128.0	12
	351 JACKSON STITT CIRCLE STITTSVILLE ON K2S 0C4	220.8	22

PES - Pesticide Register

A search of the PES database, dated Oct 2011-Sep 30, 2020 has found that there are 3 PES site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
GIANT TIGER STORE # 60 - TORA STITTSVILLE LIMITED	6081 HAZELDEAN RD OTTAWA ON K2S 1B9	75.3	7
GIANT TIGER STORE # 60 - TORA STITTSVILLE LIMITED	6081 HAZELDEAN RD OTTAWA ON K2S 1B9	75.3	7

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
GIANT TIGER STORE # 60 - TORA STITTVILLE LIMITED	6081 HAZELDEAN RD OTTAWA ON K2S1B8	75.3	<u>7</u>

SPL - Ontario Spills

A search of the SPL database, dated 1988-Nov 2019 has found that there are 1 SPL site(s) within approximately 0.25 kilometers of the project property.

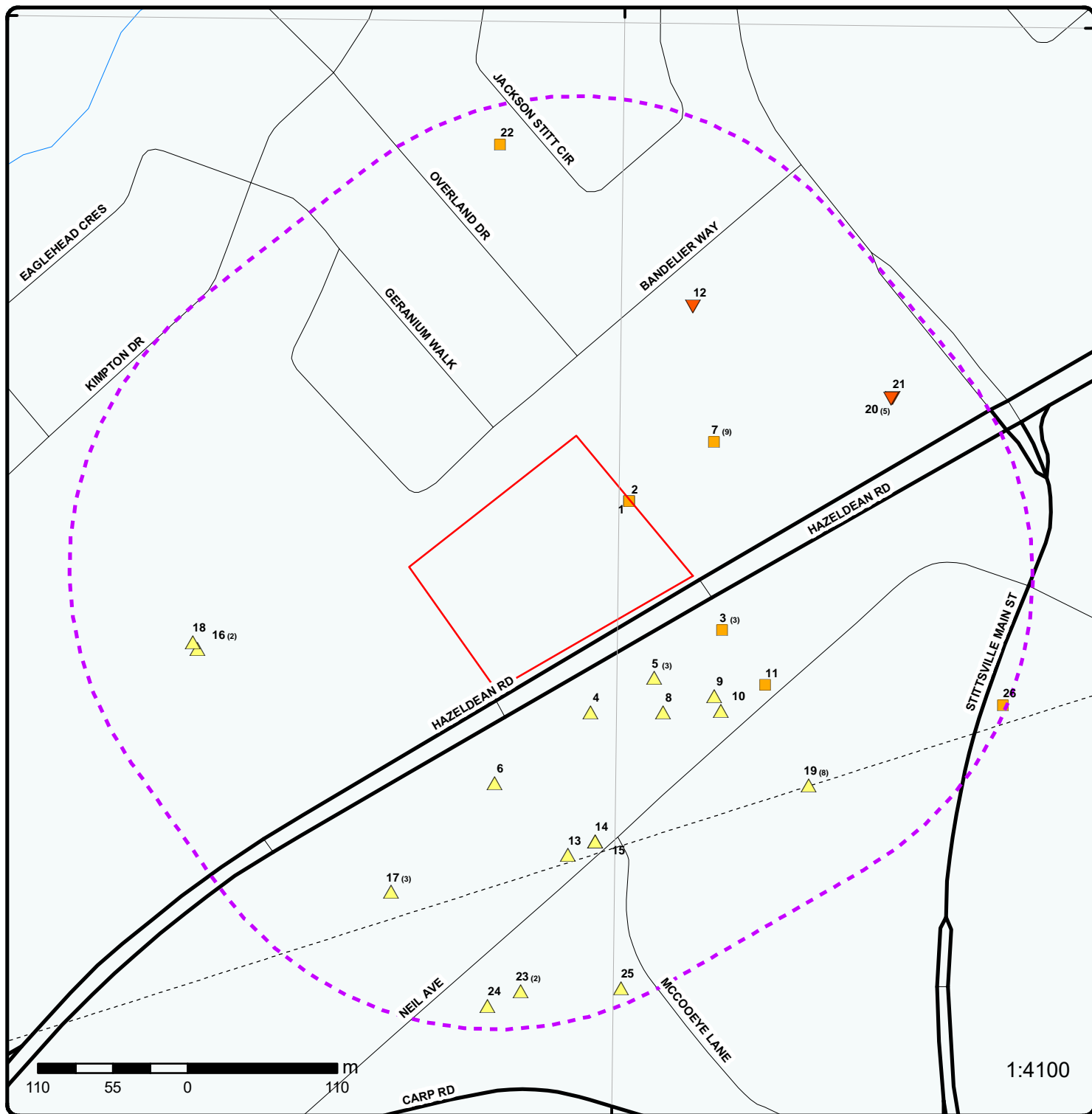
<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
BOARD OF EDUCATION	1224 MAIN ST. GOULBOURN TOWNSHIP ON	175.6	<u>19</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2020 has found that there are 13 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 23 con 12 ON <i>Well ID: 1502943</i>	0.0	<u>1</u>
	lot 23 con 12 ON <i>Well ID: 1513393</i>	68.3	<u>6</u>
	lot 24 con 12 ON <i>Well ID: 1502960</i>	75.6	<u>8</u>
	ON <i>Well ID: 7272460</i>	83.9	<u>9</u>
	ON <i>Well ID: 7272461</i>	95.9	<u>10</u>
	ON	96.0	<u>11</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	<i>Well ID:</i> 1509386		
	ON	132.3	<u>13</u>
	<i>Well ID:</i> 1511428		
	ON	132.9	<u>15</u>
	<i>Well ID:</i> 1511826		
	ON	222.0	<u>23</u>
	<i>Well ID:</i> 1511016		
	ON	222.0	<u>23</u>
	<i>Well ID:</i> 1509988		
	lot 23 ON	232.3	<u>24</u>
	<i>Well ID:</i> 1514047		
	ON	237.8	<u>25</u>
	<i>Well ID:</i> 1514881		
	lot 24 con 11 ON	247.1	<u>26</u>
	<i>Well ID:</i> 1502901		



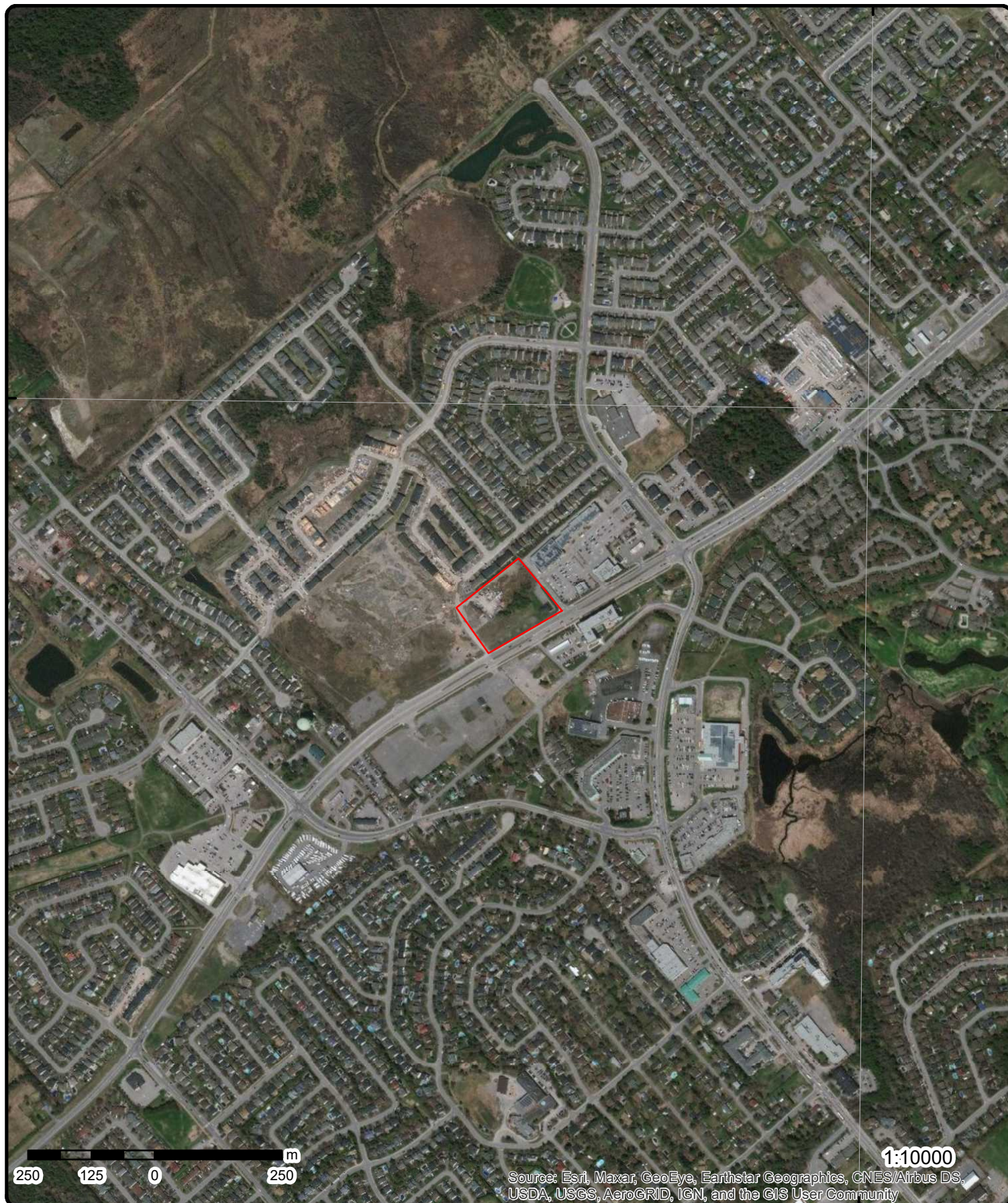
Map : 0.25 Kilometer Radius

Order Number: 20300100320

Address: 6111 Hazeldean Road, Stittsville, ON



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		



Aerial Year: 2019

Address: 6111 Hazeldean Road, Stittsville, ON

Source: ESRI World Imagery

Order Number: 20300100320



© ERIS Information Limited Partnership

75°57'W

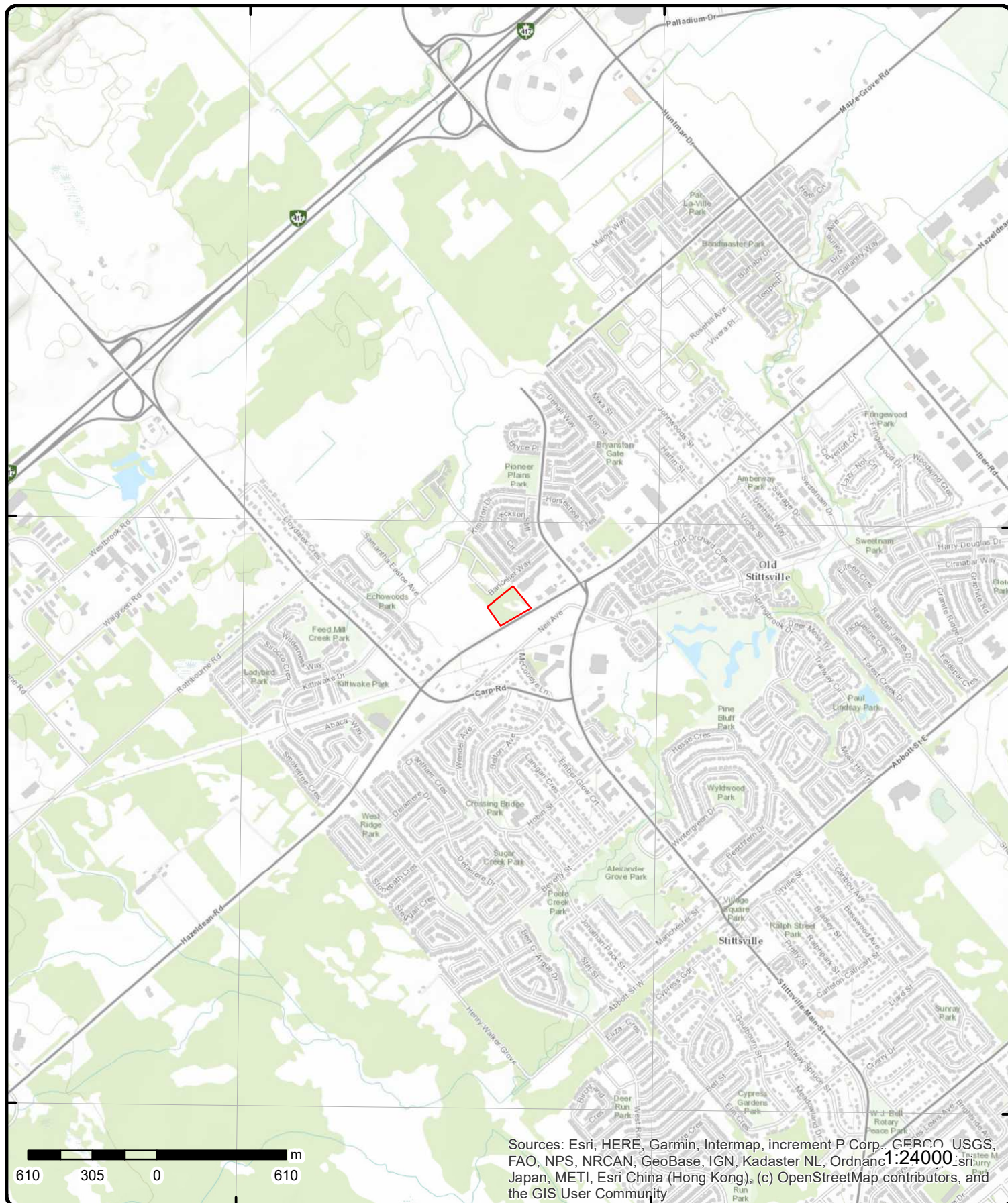
75°55'30"W

45°16'30"N

45°15'N

45°16'30"N

45°15'N



Topographic Map

Address: 6111 Hazeldean Road, ON

Source: ESRI World Topographic Map

Order Number: 20300100320



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
---------	-------------------	----------------------------	------------------	------	----

1	1 of 1	ENE/0.0	116.9 / 0.00	lot 23 con 12 ON	WWIS
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Well ID:	1502943	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	7/4/1956
Sec. Water Use:	0	Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1802
Casing Material:		Form Version:	1
Audit No:		Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	GOULBOURN TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	023
Well Depth:		Concession:	12
Overburden/Bedrock:		Concession Name:	CON
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502943.pdf

Bore Hole Information

Bore Hole ID:	10024986	Elevation:	116.035385
DP2BR:	43	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	426795.6
Code OB Desc:	Bedrock	North83:	5013572
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	5/18/1956	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930995625
Layer:	1
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2:		09			
Mat2 Desc:		MEDIUM SAND			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		43			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930995626			
Layer:		2			
Color:					
General Color:					
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		43			
Formation End Depth:		74			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961502943			
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10573556			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930042754			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		74			
Casing Diameter:		2			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930042753			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		45			
Casing Diameter:		2			
Casing Diameter UOM:		inch			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991502943			
Pump Set At:					
Static Level:		33			
Final Level After Pumping:		45			
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:		2			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Water Details</u>					
Water ID:		933455762			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		73			
Water Found Depth UOM:		ft			

2	1 of 1	ENE/0.0	116.9 / 0.00	ON	BORE
Borehole ID:	609571			Inclin FLG:	No
OGF ID:	215511187			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	MAY-1956			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.271835
Total Depth m:	22.6			Longitude DD:	-75.933233
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	426796
Drill Method:				Northing:	5013572
Orig Ground Elev m:	128			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	116				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	218383541	Mat Consistency:	
Top Depth:	0	Material Moisture:	
Bottom Depth:	13.1	Material Texture:	
Material Color:		Non Geo Mat Type:	
Material 1:	Gravel	Geologic Formation:	
Material 2:	Sand	Geologic Group:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 3: Material 4: Gsc Material Description: Stratum Description: GRAVEL,SAND. Geology Stratum ID: 218383542 Top Depth: 13.1 Bottom Depth: 22.6 Material Color: Black Material 1: Limestone Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description: LIMESTONE. 00073LIMESTONE. BLACK. 00046ESTONE. LIMESTONE. BLACK. 00070ITY = 22300.					
Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:					
Source					
Source Type: Data Survey Source Orig: Geological Survey of Canada Source Date: 1956-1972 Confidence: Observatio: Source Name: Urban Geology Automated Information System (UGAIS) Source Details: File: OTTAWA1.txt RecordID: 02079 NTS_Sheet: Confiden 1:					
Source Appl: Spatial/Tabular Source Iden: 1 Scale or Res: Varies Horizontal: NAD27 Verticalda: Mean Average Sea Level					
Source List					
Source Identifier: 1 Source Type: Data Survey Source Date: 1956-1972 Scale or Resolution: Varies Source Name: Urban Geology Automated Information System (UGAIS) Source Originators: Geological Survey of Canada					
Horizontal Datum: NAD27 Vertical Datum: Mean Average Sea Level Projection Name: Universal Transverse Mercator					
3	1 of 3	ESE/45.2	116.9 / 0.00	HAZELDEAN GARDENS RETIREMENT RESIDENCE INC. 6130 HAZELDEAN RD STITTSVILLE ON K2S 1B9	EASR
Approval No: R-009-1667055953 Status: REGISTERED Date: 2016-10-11 Record Type: EASR Link Source: MOFA Project Type: Water Taking - Construction Dewatering Full Address: Approval Type: EASR-Water Taking - Construction Dewatering Full PDF Link: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2025993					
SWP Area Name: Mississippi Valley MOE District: Ottawa Municipality: STITTSVILLE Latitude: 45.27111111 Longitude: -75.93138889 Geometry X: Geometry Y:					
3	2 of 3	ESE/45.2	116.9 / 0.00	Hazeldean Gardens Retirement Residence Inc. 6130 Hazeldean Rd Ottawa ON K1Z 5L5	ECA
Approval No: 8421-AGTHGF Approval Date: 2017-01-10 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Mississippi Valley					
MOE District: Ottawa City: Longitude: -75.93312 Latitude: 45.270863999999996 Geometry X: Geometry Y:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Approval Type: Project Type: Address: Full Address: Full PDF Link:		ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS 6130 Hazeldean Rd https://www.accessenvironment.ene.gov.on.ca/instruments/4241-AGSPR7-14.pdf			
3	3 of 3	ESE/45.2	116.9 / 0.00	HAZELDEAN GARDENS RETIREMENT 6130 hazeldean road OTTAWA ON K2S 1A1	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:		ON7598503 Registered As of Dec 2017		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	Canada
Detail(s)					
Waste Class: Waste Class Desc:		251 L Waste oils/sludges (petroleum based)			
4	1 of 1	SSE/48.8	117.9 / 1.00	2073945 Ontario Inc. 6150 Hazeldean Road Ottawa ON K1J 8W8	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Address: Full Address: Full PDF Link:		2524-BCGP5N 2019-05-29 Approved ECA IDS ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS 6150 Hazeldean Road https://www.accessenvironment.ene.gov.on.ca/instruments/5133-BC6JXN-14.pdf		MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:	
5	1 of 3	SE/50.7	117.9 / 1.00	Stittsville Flea Market Inc. 35 Neil Ave. Stittsville ON K2S 1B9	DTNK
Delisted Commercial Fuel Oil Tanks					
Licence No: Registration No: Posse File No: Posse Reg No: Instance No: Status Name: Tank Type: Tank Size: Tank Material: Tk Age (as of 05/1992): Tank Address: Distributor: Contact Name:		200204-2777 2273 L same as above Francis Fuels c/o Hal Raycroft		Facility Type: Letter Sent: Corrosion Protection: Fuel Type: Province: Nbr: Instance Type: Original Source: Record Date:	CFOT Up to Apr 2013

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contact Address: Contact Address2: Contact Suite: Contact City: Contact Prov: Contact Postal: Comments:		35 Neil Ave.			
5	2 of 3	SE/50.7	117.9 / 1.00	STITTSVILLE FLEA MARKET INC 35 NEIL AVENUE STITTSVILLE K2S 1B9 ON CA ON	CFOT
Licence No: Registration No: Posse File No: Posse Reg No: Status Name: Tank Type: Tank Size: Tank Material: Instance No: Inst Creation Date: Inst Install Date: Item: Tank Age (as of 05/1992): Device Installed Location: Description: Contact Name: Contact Address: Contact Address2: Contact Suite: Contact City: Contact Prov: Contact Postal:		Single Wall UST 2273 Steel 61370754 2/12/2009 2/12/2009 FS FUEL OIL TANK 35 NEIL AVENUE STITTSVILLE K2S 1B9 ON CA NULL	Item Description: Instance Type: Facility Type: Fuel Type: Distributor: Letter Sent: Comments: Corrosion Protect: Province: Nbr: Context:	Fuel Oil Tank FS Fuel Oil Tank FS Fuel Oil Tank Fuel Oil FS Fuel Oil Tank	
5	3 of 3	SE/50.7	117.9 / 1.00	STITTSVILLE FLEA MARKET INC 35 NEIL AVENUE STITTSVILLE K2S 1B9 ON CA ON	FST
Instance No: Status: Cont Name: Instance Type: Item: Item Description: Tank Type: Install Date: Install Year: Years in Service: Model: Description: Capacity: Tank Material: Corrosion Protect: Overfill Protect: Facility Type: Parent Facility Type: Facility Location: Device Installed Location:		61370754 Active Fuel Oil Tank Single Wall UST 2/12/2009 0 2.1 NULL NULL 2273 Steel NULL FS FUEL OIL TANK 35 NEIL AVENUE STITTSVILLE K2S 1B9 ON CA	Manufacturer: Serial No: Ulc Standard: Quantity: Unit of Measure: Fuel Type: Fuel Type2: Fuel Type3: Piping Steel: Piping Galvanized: Tanks Single Wall St: Piping Underground: Num Underground: Panam Related: Panam Venue:	NULL NULL NULL 1 EA NULL NULL	
6	1 of 1	SSW/68.3	117.9 / 1.00	lot 23 con 12 ON	WWIS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Well ID:	1513393			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	8/13/1973
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	3644
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA
Elevation (m):				Municipality:	GOULBOURN TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	023
Well Depth:				Concession:	12
Overburden/Bedrock:				Concession Name:	CON
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513393.pdf

Bore Hole Information

Bore Hole ID:	10035379	Elevation:	118.897842
DP2BR:	12	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	426696.6
Code OB Desc:	Bedrock	North83:	5013365
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	5/3/1973	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	931023251
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12
Formation End Depth:	63
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931023250
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		1			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		12			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961513393			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10583949			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930062654			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		18			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991513393			
Pump Set At:					
Static Level:		0			
Final Level After Pumping:		15			
Recommended Pump Depth:		25			
Pumping Rate:		20			
Flowing Rate:					
Recommended Pump Rate:		10			
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:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934378619			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		14			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934897085			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		15			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934639614			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		15			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934099224			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		12			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933468939			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		63			
Water Found Depth UOM:		ft			
7	1 of 9	ENE/75.3	116.9 / 0.00	GIANT TIGER STORE # 60 - TORA STITTSVILLE LIMITED 6081 HAZELDEAN RD OTTAWA ON K2S 1B9	PES
Detail Licence No:		Operator Box:			
Licence No:		Operator Class:			
Status:		Operator No:			
Approval Date:		Operator Type:			
Report Source:		Oper Area Code:			
Licence Type:		Oper Phone No:			
Licence Type Code:		Operator Ext:			
Licence Class:		Operator Lot:			
Licence Control:		Oper Concession:			
Latitude:		Operator Region:			
Longitude:		Operator District:			
Lot:		Operator County:			
Concession:		Op Municipality:			
Region:		Post Office Box:			
District:		MOE District:			
County:		SWP Area Name:			
Trade Name:					
PDF Link:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	2 of 9	ENE/75.3	116.9 / 0.00	GIANT TIGER STORE # 60 - TORA STITTSVILLE LIMITED 6081 HAZELDEAN RD OTTAWA ON K2S 1B9	PES
Detail Licence No:	23-01-13539-0			Operator Box:	
Licence No:				Operator Class:	
Status:				Operator No:	
Approval Date:				Operator Type:	
Report Source:				Oper Area Code:	
Licence Type:	LIMITED			Oper Phone No:	
Licence Type Code:				Operator Ext:	
Licence Class:				Operator Lot:	
Licence Control:				Oper Concession:	
Latitude:				Operator Region:	
Longitude:				Operator District:	
Lot:				Operator County:	
Concession:				Op Municipality:	
Region:				Post Office Box:	
District:				MOE District:	
County:				SWP Area Name:	
Trade Name:					
PDF Link:					
7	3 of 9	ENE/75.3	116.9 / 0.00	D Bartos and M Northcott Dentistry Professional Co 8-6081 Hazeldean Road Stittsville ON K2S 1B9	GEN
Generator No:	ON5616725			PO Box No:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Kelly Pultz
MHSW Facility:	No			Phone No Admin:	613-831-2266 Ext.
SIC Code:	621210				
SIC Description:	OFFICES OF DENTISTS				
<u>Detail(s)</u>					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
7	4 of 9	ENE/75.3	116.9 / 0.00	D Bartos and M Northcott Dentistry Professional Co 8-6081 Hazeldean Road Stittsville ON K2S 1B9	GEN
Generator No:	ON5616725			PO Box No:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Diane Lenihan
MHSW Facility:	No			Phone No Admin:	613-831-2266 Ext.
SIC Code:	621210				
SIC Description:	OFFICES OF DENTISTS				
<u>Detail(s)</u>					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	5 of 9	ENE/75.3	116.9 / 0.00	D Bartos and M Northcott Dentistry Professional Co 8-6081 Hazeldean Road Stittsville ON K2S 1B9	GEN
Generator No:		ON5616725	PO Box No:		
Status:			Country:		Canada
Approval Years:		2014	Choice of Contact:		CO_OFFICIAL
Contam. Facility:		No	Co Admin:		Kelly Pultz
MHSW Facility:		No	Phone No Admin:		613-831-2266 Ext.
SIC Code:		621210			
SIC Description:		OFFICES OF DENTISTS			
<u>Detail(s)</u>					
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
7	6 of 9	ENE/75.3	116.9 / 0.00	D Bartos and M Northcott Dentistry Professional Co 8-6081 Hazeldean Road Stittsville ON K2S 1B9	GEN
Generator No:		ON5616725	PO Box No:		
Status:		Registered	Country:		Canada
Approval Years:		As of Dec 2018	Choice of Contact:		
Contam. Facility:			Co Admin:		
MHSW Facility:			Phone No Admin:		
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:		312 P			
Waste Class Desc:		Pathological wastes			
7	7 of 9	ENE/75.3	116.9 / 0.00	6081 Hazeldean Road Stittsville ON	EHS
Order No:		20180625081	Nearest Intersection:		
Status:		C	Municipality:		
Report Type:		Standard Report	Client Prov/State:		ON
Report Date:		27-JUN-18	Search Radius (km):		.25
Date Received:		25-JUN-18	X:		-75.932511
Previous Site Name:			Y:		45.272694
Lot/Building Size:					
Additional Info Ordered:					
7	8 of 9	ENE/75.3	116.9 / 0.00	GIANT TIGER STORE # 60 - TORA STITTSVILLE LIMITED 6081 HAZELDEAN RD OTTAWA ON K2S1B8	PES
Detail Licence No:			Operator Box:		
Licence No:		13539	Operator Class:		
Status:			Operator No:		
Approval Date:			Operator Type:		
Report Source:		Legacy Licenses (Excluding TS)	Oper Area Code:		613
Licence Type:		Limited Vendor	Oper Phone No:		8364593
Licence Type Code:		23	Operator Ext:		

33 [esisinfo.com](https://www.esisinfo.com) | Environmental Risk Information Services Order No: 20300100320

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Code OB Desc:	Bedrock			North83:	5013417
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	5
Date Completed:	7/5/1957			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	p5
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930995671			
Layer:		1			
Color:					
General Color:					
Mat1:		26			
Most Common Material:		ROCK			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		10			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930995672			
Layer:		2			
Color:					
General Color:					
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		10			
Formation End Depth:		77			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961502960			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10573573			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing ID: 930042788					
Layer: 2					
Material: 4					
Open Hole or Material: OPEN HOLE					
Depth From:					
Depth To: 77					
Casing Diameter: 4					
Casing Diameter UOM: inch					
Casing Depth UOM: ft					
<u>Construction Record - Casing</u>					
Casing ID: 930042787					
Layer: 1					
Material: 1					
Open Hole or Material: STEEL					
Depth From:					
Depth To: 12					
Casing Diameter: 4					
Casing Diameter UOM: inch					
Casing Depth UOM: ft					
<u>Results of Well Yield Testing</u>					
Pump Test ID: 991502960					
Pump Set At:					
Static Level: 10					
Final Level After Pumping: 10					
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: No					
<u>Water Details</u>					
Water ID: 933455779					
Layer: 1					
Kind Code: 1					
Kind: FRESH					
Water Found Depth: 75					
Water Found Depth UOM: ft					

9	1 of 1	ESE/83.9	117.9 / 1.00	ON	WWIS
Well ID: 7272460					
Construction Date:					
Primary Water Use: Monitoring					
Sec. Water Use:					
Final Well Status: Abandoned-Other					
Water Type:					
Casing Material:					
Audit No: Z231044					
Data Entry Status:					
Data Src:					
Date Received: 9/30/2016					
Selected Flag: Yes					
Abandonment Rec: Yes					
Contractor: 7543					
Form Version: 7					
Owner:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Tag:	A183456			Street Name:	
Construction Method:				County:	OTTAWA
Elevation (m):				Municipality:	STITTSVILLE VILLAGE
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<hr/>					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/727\7272460.pdf				
<hr/>					
<u>Bore Hole Information</u>					
Bore Hole ID:	1006260586			Elevation:	118.092605
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	426858
Code OB Desc:				North83:	5013429
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	9/13/2016			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<hr/>					
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:	1006385375				
Layer:	1				
Plug From:					
Plug To:					
Plug Depth UOM:	ft				
<hr/>					
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:	1006385374				
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<hr/>					
<u>Pipe Information</u>					
Pipe ID:	1006385367				
Casing No:	0				
Comment:					
Alt Name:					
<hr/>					
<u>Construction Record - Casing</u>					
Casing ID:	1006385371				
Layer:					
Material:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1006385372			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:					
<u>Water Details</u>					
Water ID:		1006385370			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		14.33			
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		1006385369			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
10	1 of 1	ESE/95.9	117.9 / 1.00	ON	WWIS
Well ID:		7272461	Data Entry Status:		
Construction Date:			Data Src:		
Primary Water Use:		Monitoring	Date Received:		9/30/2016
Sec. Water Use:			Selected Flag:		Yes
Final Well Status:		Abandoned-Other	Abandonment Rec:		Yes
Water Type:			Contractor:		7543
Casing Material:			Form Version:		7
Audit No:		Z231045	Owner:		
Tag:		A122882	Street Name:		
Construction Method:			County:		
Elevation (m):			Municipality:		
Elevation Reliability:			Site Info:		
Depth to Bedrock:			Lot:		
Well Depth:			Concession:		
Overburden/Bedrock:			Concession Name:		
Pump Rate:			Easting NAD83:		
Static Water Level:			Northing NAD83:		
Flowing (Y/N):			Zone:		
Flow Rate:			UTM Reliability:		
Clear/Cloudy:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/727/7272461.pdf			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Bore Hole Information</u>					
Bore Hole ID:	1006260589			Elevation:	118.339622
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	426863
Code OB Desc:				North83:	5013418
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	9/13/2016			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1006385425				
Layer:	1				
Plug From:					
Plug To:					
Plug Depth UOM:	ft				
<u>Method of Construction & Well Use</u>					
Method Construction ID:	1006385424				
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	1006385417				
Casing No:	0				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	1006385421				
Layer:					
Material:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Construction Record - Screen</u>					
Screen ID:	1006385422				
Layer:					
Slot:					
Screen Top Depth:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen End Depth: Screen Material: Screen Depth UOM: ft Screen Diameter UOM: inch Screen Diameter:					
Water Details					
Water ID: 1006385420 Layer: 1 Kind Code: 8 Kind: Untested Water Found Depth: 15.5 Water Found Depth UOM: ft					
Hole Diameter					
Hole ID: 1006385419 Diameter: Depth From: Depth To: Hole Depth UOM: ft Hole Diameter UOM: inch					
11	1 of 1	ESE/96.0	116.9 / 0.00	ON	WWIS
Well ID: 1509386 Construction Date: Primary Water Use: Industrial Sec. Water Use: 0 Final Well Status: Water Supply Water Type: Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:					
Data Entry Status: Data Src: 1 Date Received: 11/6/1967 Selected Flag: Yes Abandonment Rec: Contractor: 3503 Form Version: 1 Owner: Street Name: County: OTTAWA Municipality: STITTSVILLE VILLAGE Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509386.pdf					
Bore Hole Information					
Bore Hole ID: 10031419 DP2BR: 5 Spatial Status: Code OB: r Code OB Desc: Bedrock Open Hole: Cluster Kind: Date Completed: 10/27/1967 Remarks: Elevrc Desc:					
Elevation: 117.287109 Elevrc: Zone: 18 East83: 426895.6 North83: 5013437 Org CS: UTMRC: 5 UTMRC Desc: margin of error : 100 m - 300 m Location Method: p5					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:					
<u>Overburden and Bedrock</u> <u>Materials Interval</u>					
Formation ID:		931012083			
Layer:		2			
Color:					
General Color:					
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:		09			
Mat2 Desc:		MEDIUM SAND			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		5			
Formation End Depth:		110			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u> <u>Materials Interval</u>					
Formation ID:		931012082			
Layer:		1			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		13			
Mat2 Desc:		BOULDERS			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		5			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u> <u>Use</u>					
Method Construction ID:		961509386			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10579989			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930055490			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth To:		8			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930055491			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		110			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991509386			
Pump Set At:					
Static Level:		10			
Final Level After Pumping:		60			
Recommended Pump Depth:		95			
Pumping Rate:		10			
Flowing Rate:					
Recommended Pump Rate:		3			
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:		15			
Flowing:		No			
<u>Water Details</u>					
Water ID:		933464213			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		85			
Water Found Depth UOM:		ft			

[12](#)

1 of 1

NE/128.0

116.2 / -0.69

**113 BANDELIER WAY
STITTSVILLE ON K2S 0C3**

HINC

External File Num: FS INC 0804-01429
Fuel Occurrence Type: Pipeline Strike
Date of Occurrence: 3/20/2008
Fuel Type Involved: Natural Gas
Status Desc: Completed - No Action Required
Job Type Desc: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved: Construction Site (pipeline strike)
Service Interruptions: No
Property Damage: No
Fuel Life Cycle Stage: Transmission, Distribution and Transportation
Root Cause:
Reported Details:
Fuel Category: Gaseous Fuel
Occurrence Type: Incident

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Affiliation: County Name: Approx. Quant. Rel: Nearby body of water: Enter Drainage Syst.: Approx. Quant. Unit: Environmental Impact:		Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) Ottawa			

13	1 of 1	S/132.3	118.6 / 1.69	ON	WWIS
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Well ID:	1511428	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	10/8/1971
Sec. Water Use:	0	Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	3644
Casing Material:		Form Version:	1
Audit No:		Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	STITTSTVILLE VILLAGE
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511428.pdf

Bore Hole Information

Bore Hole ID:	10033423	Elevation:	119.200759
DP2BR:	18	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	426750.6
Code OB Desc:	Bedrock	North83:	5013312
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	6/22/1971	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	931017690
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2 Desc:		STONES			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		12			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931017692			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		18			
Formation End Depth:		58			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931017691			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		14			
Most Common Material:		HARDPAN			
Mat2:		12			
Mat2 Desc:		STONES			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		12			
Formation End Depth:		18			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961511428			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10581993			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930059348			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth From:					
Depth To:		58			
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930059347			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		21			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991511428			
Pump Set At:					
Static Level:		1			
Final Level After Pumping:		21			
Recommended Pump Depth:		25			
Pumping Rate:		21			
Flowing Rate:					
Recommended Pump Rate:		10			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:		2			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934901272			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		21			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934098091			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		15			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934382355			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		21			
Test Level UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934643934			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		21			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933466576			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		58			
Water Found Depth UOM:		ft			

<u>14</u>	1 of 1	SSE/132.8	118.6 / 1.69	ON	BORE
Borehole ID:	609565			Inclin FLG:	No
OGF ID:	215511181			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	JUN-1972			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.269582
Total Depth m:	38.7			Longitude DD:	-75.933515
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	426771
Drill Method:				Northing:	5013322
Orig Ground Elev m:	120			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	119				
Concession:					
Location D:					
Survey D:					
Comments:					

<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218383522			Mat Consistency:	
Top Depth:	4.3			Material Moisture:	
Bottom Depth:	38.7			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Limestone			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	LIMESTONE. GREY. 00127T,SAND. GREY. = 10000. N. 00101ISMIC VELOCITY = 22300. B **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218383521			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	4.3			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Stones			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Gsc Material Description:					
Stratum Description:		CLAY,STONES. GREY.			
Source					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Iden:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:				Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: OTTAWA1.txt RecordID: 02073 NTS_Sheet:				
Confiden 1:					
Source List					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				
15	1 of 1	SSE/132.9	118.6 / 1.69	ON	WWIS
Well ID:	1511826			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	8/18/1972
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	3644
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA
Elevation (m):				Municipality:	STITTSVILLE VILLAGE
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511826.pdf			
Bore Hole Information					
Bore Hole ID:	10033820			Elevation:	119.095252
DP2BR:	14			Elevrc:	
Spatial Status:				Zone:	18
Code OB:	r			East83:	426770.6
Code OB Desc:	Bedrock			North83:	5013322
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:	6/5/1972			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	p4
Elevrc Desc:					
Location Source Date:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931018818			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		14			
Formation End Depth:		127			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931018817			
Layer:		1			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		12			
Mat2 Desc:		STONES			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		14			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961511826			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10582390			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930060078			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		127			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930060077			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		21			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991511826			
Pump Set At:					
Static Level:		7			
Final Level After Pumping:		29			
Recommended Pump Depth:		30			
Pumping Rate:		21			
Flowing Rate:					
Recommended Pump Rate:		10			
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:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934383985			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		24			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934645559			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		29			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934894273			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		29			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test Detail ID: 934098474 Test Type: Draw Down Test Duration: 15 Test Level: 18 Test Level UOM: ft					
Water Details					
Water ID: 933467098 Layer: 1 Kind Code: 1 Kind: FRESH Water Found Depth: 127 Water Found Depth UOM: ft					
16	1 of 2	W/167.0	117.8 / 0.97	6171 Hazeldean Road Stittsville ON K2S 1B9	EHS
Order No: 20200304021 Status: C Report Type: Standard Report Report Date: 09-MAR-20 Date Received: 04-MAR-20 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.93726449 Y: 45.27082298					
16	2 of 2	W/167.0	117.8 / 0.97	6171 Hazeldean Road Stittsville ON K2S 1B9	EHS
Order No: 20200304021 Status: C Report Type: Standard Report Report Date: 09-MAR-20 Date Received: 04-MAR-20 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.93726449 Y: 45.27082298					
17	1 of 3	SSW/167.1	118.9 / 2.00	6176 Hazeldean Road Stittsville ON K2S 1B9	EHS
Order No: 20200103073 Status: C Report Type: Standard Report Report Date: 08-JAN-20 Date Received: 03-JAN-20 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.9354211 Y: 45.2692316					
17	2 of 3	SSW/167.1	118.9 / 2.00	6176 Hazeldean Road Stittsville ON K2S 1B9	EHS
Order No: 20200103073 Status: C Report Type: Standard Report Report Date: 08-JAN-20 Date Received: 03-JAN-20					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.9354211					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Previous Site Name: Lot/Building Size: Additional Info Ordered:				Y: 45.2692316	
17	3 of 3	SSW/167.1	118.9 / 2.00	6176 Hazeldean Road Stittsville ON K2S 1B9	EHS
Order No: 20200103073 Status: C Report Type: Standard Report Report Date: 08-JAN-20 Date Received: 03-JAN-20 Previous Site Name: Lot/Building Size: Additional Info Ordered:		Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.9354211 Y: 45.2692316			
18	1 of 1	W/168.3	117.9 / 1.00	6171 Hazeldean Rd Ottawa ON K2S1B9	EHS
Order No: 20170828063 Status: C Report Type: Custom Report Report Date: 31-AUG-17 Date Received: 28-AUG-17 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans		Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.937954 Y: 45.271395			
19	1 of 8	ESE/175.6	117.9 / 1.00	BOARD OF EDUCATION 1224 MAIN ST. GOULBOURN TOWNSHIP ON	SPL
Ref No: 89917 Site No: Incident Dt: 8/17/1993 Year: Incident Cause: ABOVE-GROUND TANK LEAK Incident Event: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: CONFIRMED Nature of Impact: Soil contamination Receiving Medium: LAND Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 8/17/1993 Dt Document Closed: Incident Reason: CORROSION Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: CARLETON BOARD OF EDUCAT-ION:LEAK OF WASTE MOTOR OIL FROM TANK Contaminant Qty:		Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: 20604 Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	2 of 8	ESE/175.6	117.9 / 1.00	CARLETON BOARD OF EDUCATION CENTRAL DEPOT 1224 MAIN STREET STITTSVILLE ON K0A 3G0	GEN
Generator No:	ON0051002			PO Box No:	
Status:				Country:	
Approval Years:	88,89,90,92,93,97			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	8511				
SIC Description:	ELEMT./SECON. EDUC.				
<u>Detail(s)</u>					
Waste Class:	211				
Waste Class Desc:	AROMATIC SOLVENTS				
Waste Class:	213				
Waste Class Desc:	PETROLEUM DISTILLATES				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
19	3 of 8	ESE/175.6	117.9 / 1.00	CARLETON BOARD OF EDUCATION 10-293 CENTRAL DEPOT 1224 MAIN STREET STITTSVILLE ON K0A 3G0	GEN
Generator No:	ON0051002			PO Box No:	
Status:				Country:	
Approval Years:	94,95,96			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	8511				
SIC Description:	ELEMT./SECON. EDUC.				
<u>Detail(s)</u>					
Waste Class:	211				
Waste Class Desc:	AROMATIC SOLVENTS				
Waste Class:	213				
Waste Class Desc:	PETROLEUM DISTILLATES				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
19	4 of 8	ESE/175.6	117.9 / 1.00	OTTAWA-CARLETON DISTRICT SCHOOL BOARD CENTRAL DEPOT 1224 MAIN STREET GOULBOURN TOWNSHIP ON K0A 3G0	GEN
Generator No:	ON0051002			PO Box No:	
Status:				Country:	
Approval Years:	98,99,00,01,02,03,04			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	8511				
SIC Description:	ELEMT./SECON. EDUC.				
<u>Detail(s)</u>					
Waste Class:	211				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		AROMATIC SOLVENTS			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
19	5 of 8	ESE/175.6	117.9 / 1.00	1224 Stittsville Main Street STITTSVILLE ON K2S 0E2	EHS
Order No:		20090317023w		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Self Serve Instant Report		Client Prov/State: QC	
Report Date:		3/17/2009		Search Radius (km): 0.25	
Date Received:		3/17/2009		X: 0	
Previous Site Name:				Y: 0	
Lot/Building Size:					
Additional Info Ordered:					
19	6 of 8	ESE/175.6	117.9 / 1.00	OTTAWA-CARLETON DISTRICT SCHOOL BOARD 1224 MAIN STREET STITTSVILLE ONTARIO ON K2S 0E2	GEN
Generator No:		ON2748344		PO Box No:	
Status:				Country:	
Approval Years:		07,08		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:		611110			
SIC Description:		Elementary and Secondary Schools			
<u>Detail(s)</u>					
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
19	7 of 8	ESE/175.6	117.9 / 1.00	OTTAWA-CARLETON DISTRICT SCHOOL BOARD 1224 MAIN STREET STITTSVILLE ONTARIO ON	GEN
Generator No:		ON2748344		PO Box No:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Status:				Country:	
Approval Years:	2009			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	611110				
SIC Description:		Elementary and Secondary Schools			
 <u>Detail(s)</u>					
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
<hr/>					
<u>19</u>	8 of 8	ESE/175.6	117.9 / 1.00	OTTAWA-CARLETON DISTRICT SCHOOL BOARD 1224 MAIN STREET STITTSVILLE ONTARIO ON	GEN
Generator No:	ON2748344			PO Box No:	
Status:				Country:	
Approval Years:	2011			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	611110				
SIC Description:		Elementary and Secondary Schools			
 <u>Detail(s)</u>					
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
20	1 of 5	ENE/195.4	115.9 / -1.00	SUNCOR ENERGY PRODUCTS PARTNERSHIP 6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA 6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA ON	FST
Instance No:		51491217		Manufacturer:	NULL
Status:		Active		Serial No:	NULL
Cont Name:				Ulc Standard:	NULL
Instance Type:		FS Liquid Fuel Tank		Quantity:	1
Item:		FS LIQUID FUEL TANK		Unit of Measure:	EA
Item Description:		FS Liquid Fuel Tank		Fuel Type:	Gasoline
Tank Type:		Double Wall UST		Fuel Type2:	NULL
Install Date:		9/2/2009 9:51:50 AM		Fuel Type3:	NULL
Install Year:		2007		Piping Steel:	
Years in Service:		1.6		Piping Galvanized:	
Model:		NULL		Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:		50000		Num Underground:	
Tank Material:		Fiberglass (FRP)		Panam Related:	NULL
Corrosion Protect:		Fiberglass		Panam Venue:	NULL
Overfill Protect:					
Facility Type:		FS Liquid Fuel Tank			
Parent Facility Type:		FS Gasoline Station - Self Serve			
Facility Location:		6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA			
Device Installed Location:		6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA			
<u>Fuel Storage Tank Details</u>					
Owner Account Name:		SUNCOR ENERGY PRODUCTS PARTNERSHIP			
<u>Liquid Fuel Tank Details</u>					
Overfill Protection:		NULL			
Owner Account Name:		SUNCOR ENERGY PRODUCTS PARTNERSHIP			
20	2 of 5	ENE/195.4	115.9 / -1.00	SUNCOR ENERGY PRODUCTS PARTNERSHIP 6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA 6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA ON	FST
Instance No:		51491220		Manufacturer:	NULL
Status:		Active		Serial No:	NULL
Cont Name:				Ulc Standard:	NULL
Instance Type:		FS Liquid Fuel Tank		Quantity:	1
Item:		FS LIQUID FUEL TANK		Unit of Measure:	EA
Item Description:		FS Liquid Fuel Tank		Fuel Type:	Diesel
Tank Type:		Double Wall UST		Fuel Type2:	NULL
Install Date:		9/2/2009 9:52:55 AM		Fuel Type3:	NULL
Install Year:		2007		Piping Steel:	
Years in Service:		1.6		Piping Galvanized:	
Model:		NULL		Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:		35000		Num Underground:	
Tank Material:		Fiberglass (FRP)		Panam Related:	NULL
Corrosion Protect:		Fiberglass		Panam Venue:	NULL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Overfill Protect:					
Facility Type:		FS Liquid Fuel Tank			
Parent Facility Type:		FS Gasoline Station - Self Serve			
Facility Location:		6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA			
Device Installed Location:		6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA			
<u>Fuel Storage Tank Details</u>					
Owner Account Name:		SUNCOR ENERGY PRODUCTS PARTNERSHIP			
<u>Liquid Fuel Tank Details</u>					
Overfill Protection:		NULL			
Owner Account Name:		SUNCOR ENERGY PRODUCTS PARTNERSHIP			
20	3 of 5	ENE/195.4	115.9 / -1.00	SUNCOR ENERGY PRODUCTS PARTNERSHIP 6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA 6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA ON	FST
Instance No:		51491218		Manufacturer: NULL	
Status:		Active		Serial No: NULL	
Cont Name:				Ulc Standard: NULL	
Instance Type:		FS Liquid Fuel Tank		Quantity: 1	
Item:		FS LIQUID FUEL TANK		Unit of Measure: EA	
Item Description:		FS Liquid Fuel Tank		Fuel Type: Gasoline	
Tank Type:		Double Wall UST		Fuel Type2: NULL	
Install Date:		9/2/2009 9:52:15 AM		Fuel Type3: NULL	
Install Year:		2007		Piping Steel:	
Years in Service:		1.6		Piping Galvanized:	
Model:		NULL		Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:		50000		Num Underground:	
Tank Material:		Fiberglass (FRP)		Panam Related: NULL	
Corrosion Protect:		Fiberglass		Panam Venue: NULL	
Overfill Protect:					
Facility Type:		FS Liquid Fuel Tank			
Parent Facility Type:		FS Gasoline Station - Self Serve			
Facility Location:		6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA			
Device Installed Location:		6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA			
<u>Fuel Storage Tank Details</u>					
Owner Account Name:		SUNCOR ENERGY PRODUCTS PARTNERSHIP			
<u>Liquid Fuel Tank Details</u>					
Overfill Protection:		NULL			
Owner Account Name:		SUNCOR ENERGY PRODUCTS PARTNERSHIP			

20	4 of 5	ENE/195.4	115.9 / -1.00	SUNCOR ENERGY PRODUCTS PARTNERSHIP 6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA 6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA ON	FST
Instance No:		51491219	Manufacturer:		NULL
Status:		Active	Serial No:		NULL
Cont Name:			Ulc Standard:		NULL
Instance Type:		FS Liquid Fuel Tank	Quantity:		1

20	4 of 5	ENE/195.4	115.9 / -1.00	SUNCOR ENERGY PRODUCTS PARTNERSHIP 6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA 6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA ON	FST
Instance No: 51491219 Status: Active Cont Name: Instance Type: FS Liquid Fuel Tank		Manufacturer: NULL Serial No: NULL Ulc Standard: NULL Quantity: 1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Item:	FS LIQUID FUEL TANK			Unit of Measure:	EA
Item Description:	FS Liquid Fuel Tank			Fuel Type:	Gasoline
Tank Type:	Double Wall UST			Fuel Type2:	NULL
Install Date:	9/2/2009 9:52:37 AM			Fuel Type3:	NULL
Install Year:	2007			Piping Steel:	
Years in Service:	1.6			Piping Galvanized:	
Model:	NULL			Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:	50000			Num Underground:	
Tank Material:	Fiberglass (FRP)			Panam Related:	NULL
Corrosion Protect:	Fiberglass			Panam Venue:	NULL
Overfill Protect:					
Facility Type:	FS Liquid Fuel Tank				
Parent Facility Type:	FS Gasoline Station - Self Serve				
Facility Location:	6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA				
Device Installed Location:	6061 HAZELDEAN RD STITTSVILLE K2S 1B9 ON CA				

Owner Account Name: SUNCOR ENERGY PRODUCTS PARTNERSHIP

Overfill Protection:	NULL
Owner Account Name:	SUNCOR ENERGY PRODUCTS PARTNERSHIP

Instance No:	51467708	Manufacturer:	
Status:	Active	Serial No:	
Cont Name:		Ulc Standard:	
Instance Type:		Quantity:	
Item:	FS GASOLINE STATION - SELF SERVE	Unit of Measure:	
Item Description:		Fuel Type:	
Tank Type:		Fuel Type2:	
Install Date:		Fuel Type3:	
Install Year:		Piping Steel:	0
Years in Service:		Piping Galvanized:	0
Model:		Tanks Single Wall St:	0
Description:		Piping Underground:	4
Capacity:		Num Underground:	4
Tank Material:		Panam Related:	
Corrosion Protect:		Panam Venue:	
Overfill Protect:			
Facility Type:			
Parent Facility Type:			
Facility Location:			
Device Installed Location:			

[21](#) 1 of 1 ENE/196.4 115.9 / -1.00 6161031 CANADA LTD O/A GAS STN
 6061 HAZELDEAN RD FSTH
 OTTAWA ON

License Issue Date:	7/21/2008 1:24:00 PM
Tank Status:	Licensed
Tank Status As Of:	December 2008
Operation Type:	Retail Fuel Outlet
Facility Type:	Gasoline Station - Self Serve

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Year of Installation: 2007 Corrosion Protection: Capacity: 50000 Tank Fuel Type: Liquid Fuel Double Wall UST - Gasoline Status: Active Year of Installation: 2007 Corrosion Protection: Capacity: 50000 Tank Fuel Type: Liquid Fuel Double Wall UST - Gasoline Status: Active Year of Installation: 2007 Corrosion Protection: Capacity: 50000 Tank Fuel Type: Liquid Fuel Double Wall UST - Gasoline Status: Active Year of Installation: 2007 Corrosion Protection: Capacity: 35000 Tank Fuel Type: Liquid Fuel Double Wall UST - Diesel					
22	1 of 1	N/220.8	116.9 / 0.00	351 JACKSON STITT CIRCLE STITTSVILLE ON K2S 0C4	HINC
External File Num: FS INC 0807-03294 Fuel Occurrence Type: Pipeline Strike Date of Occurrence: 3/3/2008 Fuel Type Involved: Natural Gas Status Desc: Completed - Causal Analysis(End) Job Type Desc: Incident/Near-Miss Occurrence (FS) Oper. Type Involved: Multi-unit Residential Service Interruptions: No Property Damage: No Fuel Life Cycle Stage: Utilization Root Cause: Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training:No Management:No Human Factors:No Reported Details: Fuel Category: Gaseous Fuel Occurrence Type: Incident Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) County Name: Ottawa Approx. Quant. Rel: Nearby body of water: Enter Drainage Syst.: Approx. Quant. Unit: Environmental Impact:					
23	1 of 2	S/222.0	118.9 / 2.00	ON	WWIS
Well ID: 1509988 Construction Date: Primary Water Use: Domestic Sec. Water Use: 0 Final Well Status: Water Supply Water Type: Casing Material: Audit No: Tag: Construction Method:					
Data Entry Status: Data Src: 1 Date Received: 4/2/1969 Selected Flag: Yes Abandonment Rec: Contractor: 1503 Form Version: 1 Owner: Street Name: County: OTTAWA					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<div>Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:</div>				<div>Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:</div>	STITTSVILLE VILLAGE
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509988.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:	10032020			Elevation:	120.35781
DP2BR:	16			Elevrc:	
Spatial Status:				Zone:	18
Code OB:	r			East83:	426715.6
Code OB Desc:	Bedrock			North83:	5013212
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	5
Date Completed:	2/13/1969			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	p5
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931013578				
Layer:	2				
Color:					
General Color:					
Mat1:	15				
Most Common Material:	LIMESTONE				
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:	16				
Formation End Depth:	58				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931013577				
Layer:	1				
Color:					
General Color:					
Mat1:	11				
Most Common Material:	GRAVEL				
Mat2:	09				
Mat2 Desc:	MEDIUM SAND				
Mat3:	13				
Mat3 Desc:	BOULDERS				
Formation Top Depth:	0				
Formation End Depth:	16				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961509988			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10580590			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930056661			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		18			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930056662			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		58			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991509988			
Pump Set At:					
Static Level:		5			
Final Level After Pumping:		6			
Recommended Pump Depth:		30			
Pumping Rate:		10			
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:		1			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Water Details</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water ID:		933464908			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		55			
Water Found Depth UOM:		ft			

23	2 of 2	S/222.0	118.9 / 2.00	ON	WWIS
Well ID:	1511016			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	2/23/1971
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	1558
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA
Elevation (m):				Municipality:	STITTSVILLE VILLAGE
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511016.pdf

Bore Hole Information

Bore Hole ID:	10033018	Elevation:	120.35781
DP2BR:	16	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	426715.6
Code OB Desc:	Bedrock	North83:	5013212
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	12/10/1970	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931016463
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3:					
Mat3 Desc:					
Formation Top Depth:		16			
Formation End Depth:		55			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931016462			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		13			
Mat2 Desc:		BOULDERS			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		16			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961511016			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10581588			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930058575			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		20			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930058576			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		55			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991511016			
Pump Set At:					
Static Level:		4			
Final Level After Pumping:		6			
Recommended Pump Depth:		30			
Pumping Rate:		24			
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:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934642290			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		6			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934097561			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		6			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934381269			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		6			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934899631			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		6			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933466081			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		52			
Water Found Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
24	1 of 1	S/232.3	118.9 / 2.00	lot 23 ON	WWIS

Well ID:	1514047	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	5/27/1974
Sec. Water Use:	0	Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	3644
Casing Material:		Form Version:	1
Audit No:		Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	STITTSVILLE VILLAGE
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	023
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1514047.pdf

Bore Hole Information

Bore Hole ID:	10036029	Elevation:	120.733528
DP2BR:	16	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	426691.6
Code OB Desc:	Bedrock	North83:	5013201
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	3/18/1974	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931025187
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	16
Formation End Depth:	64
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Formation ID:		931025186			
Layer:		1			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		12			
Mat2 Desc:		STONES			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		16			
Formation End Depth UOM:		ft			
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		961514047			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		10584599			
Casing No:		1			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		930063648			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		21			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Results of Well Yield Testing</u>					
Pump Test ID:		991514047			
Pump Set At:					
Static Level:		6			
Final Level After Pumping:		20			
Recommended Pump Depth:		25			
Pumping Rate:		20			
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:		No			
 <u>Draw Down & Recovery</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test Detail ID: 934641877					
Test Type: Draw Down					
Test Duration: 45					
Test Level: 20					
Test Level UOM: ft					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID: 934381302					
Test Type: Draw Down					
Test Duration: 30					
Test Level: 20					
Test Level UOM: ft					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID: 934099810					
Test Type: Draw Down					
Test Duration: 15					
Test Level: 20					
Test Level UOM: ft					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID: 934899764					
Test Type: Draw Down					
Test Duration: 60					
Test Level: 20					
Test Level UOM: ft					
<u>Water Details</u>					
Water ID: 933469828					
Layer: 1					
Kind Code: 1					
Kind: FRESH					
Water Found Depth: 64					
Water Found Depth UOM: ft					
25	1 of 1	SSE/237.8	118.9 / 2.00	ON	WWIS
Well ID: 1514881					
Construction Date:					
Primary Water Use: Domestic					
Sec. Water Use: 0					
Final Well Status: Water Supply					
Water Type:					
Casing Material:					
Audit No:					
Tag:					
Construction Method:					
Elevation (m):					
Elevation Reliability:					
Depth to Bedrock:					
Well Depth:					
Overburden/Bedrock:					
Pump Rate:					
Static Water Level:					
Flowing (Y/N):					
Flow Rate:					
Data Entry Status:					
Data Src: 1					
Date Received: 8/22/1975					
Selected Flag: Yes					
Abandonment Rec:					
Contractor: 3644					
Form Version: 1					
Owner:					
Street Name:					
County: OTTAWA					
Municipality: STITTSTVILLE VILLAGE					
Site Info:					
Lot:					
Concession:					
Concession Name:					
Easting NAD83:					
Northing NAD83:					
Zone:					
UTM Reliability:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Clear/Cloudy:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1514881.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:	10036849		Elevation:	119.398971	
DP2BR:	18		Elevrc:		
Spatial Status:			Zone:	18	
Code OB:	r		East83:	426789.6	
Code OB Desc:	Bedrock		North83:	5013214	
Open Hole:			Org CS:		
Cluster Kind:			UTMRC:	4	
Date Completed:	4/28/1975		UTMRC Desc:	margin of error : 30 m - 100 m	
Remarks:			Location Method:	p4	
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931027578				
Layer:	2				
Color:	2				
General Color:	GREY				
Mat1:	15				
Most Common Material:	LIMESTONE				
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:	18				
Formation End Depth:	35				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931027577				
Layer:	1				
Color:	2				
General Color:	GREY				
Mat1:	05				
Most Common Material:	CLAY				
Mat2:	12				
Mat2 Desc:	STONES				
Mat3:					
Mat3 Desc:					
Formation Top Depth:	0				
Formation End Depth:	18				
Formation End Depth UOM:	ft				
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:	961514881				
Method Construction Code:	5				
Method Construction:	Air Percussion				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10585419			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930065137			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		22			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991514881			
Pump Set At:					
Static Level:		8			
Final Level After Pumping:		25			
Recommended Pump Depth:		25			
Pumping Rate:		5			
Flowing Rate:					
Recommended Pump Rate:		4			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		2			
Water State After Test:		CLOUDY			
Pumping Test Method:		1			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934384122			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		25			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934100689			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		25			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934645107			
Test Type:		Draw Down			
Test Duration:		45			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:		25			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934893814			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		25			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933470856			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		34			
Water Found Depth UOM:		ft			

26	1 of 1	ESE/247.1	116.9 / 0.00	lot 24 con 11 ON	WWIS
Well ID:	1502901			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	12/19/1958
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	3114
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA
Elevation (m):				Municipality:	STITTSVILLE VILLAGE (GOULBOURN)
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	024
Well Depth:				Concession:	11
Overburden/Bedrock:				Concession Name:	CON
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502901.pdf

Bore Hole Information

Bore Hole ID:	10024944	Elevation:	117.831001
DP2BR:	14	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	427070.6
Code OB Desc:	Bedrock	North83:	5013422
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	10/17/1958	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	gis
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930995541			
Layer:		1			
Color:		8			
General Color:		BLACK			
Mat1:		03			
Most Common Material:		MUCK			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		14			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930995542			
Layer:		2			
Color:					
General Color:					
Mat1:		26			
Most Common Material:		ROCK			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		14			
Formation End Depth:		50			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961502901			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10573514			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930042669			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		18			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Construction Record - Casing</u>					
Casing ID:		930042670			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		50			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991502901			
Pump Set At:					
Static Level:		3			
Final Level After Pumping:		5			
Recommended Pump Depth:					
Pumping Rate:		10			
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:		No			
<u>Water Details</u>					
Water ID:		933455713			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		50			
Water Found Depth UOM:		ft			

Unplottable Summary

Total: **19** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA		Lot 24, Concession 11, Stittsville	Goulbourn ON	
CA		Lot 24, Concession 11, Amberlakes	Goulbourn ON	
CA	Amberlakes	Lot 24, Concession 11	Goulbourn ON	
CA	Loblaws	Lot 24, Conc. 11, Block 32, Plan 4M- 1103	Ottawa ON	
CA		Part of Lot 23, Concession 12	Ottawa ON	
CA	Loblaws	Lot 24, Conc. 11, Block 32, Plan 4M- 1103	Ottawa ON	
CA		Lot 24, Concession 11, Amberlakes	Goulbourn ON	
CA	511376 ONTARIO INC.	HAZELDEAN RD. S.W. RET. FAC.	GOULBOURN TWP. ON	
CA	M. HOLITZNER HOMES LTD.- MANOR HOMES DEVE	PRIVATE RD.-LOT 24, CONC. 11	GOULBOURN TWP. ON	
CA	Taggart Construction Limited	Mobile Facility	Ottawa ON	
CA	Suncor Energy Products Inc.		Ottawa ON	
CA	M. HOLITZNER HOMES LTD.- MANOR HOME DEVEL	PRIVATE RD.-LOT 24, CONC. 11	GOULBOURN TWP. ON	
CONV	Taggart Construction Limited		Ottawa ON	
EBR	Taggart Construction Limited	Mobile Facility Ottawa Ontario Ottawa	ON	
ECA	Taggart Construction Limited	Mobile Facility	Ottawa ON	K1V 8Y3
SPL	TOP OIL RESOURCES	TOP OIL RESOURCES HAZELDEAN ROAD, GOULBORN TWP. DIESEL FUEL OUTLET	OTTAWA-CARLETON R. M. ON	
SPL	Taggart Construction Limited	Findlay Creek Subdivision	Ottawa ON	

SPL	CP BULK SYSTEMS	STITTSVILLE MAIN ST. ESSO SERVICE STATION TANK TRUCK (CARGO)	GOULBOURN TWP. ON
SPL	Taggart Construction Limited		Ottawa ON

Unplottable Report

Site:	Lot 24, Concession 11, Stittsville Goulbourn ON	Database: CA
Certificate #:	8705-4NQHP3	
Application Year:	00	
Issue Date:	9/7/00	
Approval Type:	Municipal & Private sewage	
Status:	Approved	
Application Type:	New Certificate of Approval	
Client Name:	T.L. Properties Iv Ltd.	
Client Address:	104 Centrepoinde Drive, #200	
Client City:	Nepean	
Client Postal Code:	K2G 6B1	
Project Description:	This application is for the construction of a storm water management pond and outlet for quantity and quality control including a forebay, permanent pool, extended storage, outlet structure and overflow spillway to Poole Creek.	
Contaminants:		
Emission Control:		

Site:	Lot 24, Concession 11, Amberlakes Goulbourn ON	Database: CA
Certificate #:	5854-4NEJ4U	
Application Year:	00	
Issue Date:	8/22/00	
Approval Type:	Municipal & Private sewage	
Status:	Approved	
Application Type:	New Certificate of Approval	
Client Name:	T.L. Properties Iv Ltd.	
Client Address:	104 Centrepoinde Drive, #200	
Client City:	Nepean	
Client Postal Code:	K2G 6B1	
Project Description:	Construction of sanitary sewers on Amberlakes Drive, Stowgrass Crescent and the Easement from 40 m west of Stowgrass Crescent (east), and the Easement from 60 m north of Stowgrass Crescent (east)	
Contaminants:		
Emission Control:		

Site:	Amberlakes Lot 24, Concession 11 Goulbourn ON	Database: CA
Certificate #:	8052-4NQL6E	
Application Year:	00	
Issue Date:	9/1/00	
Approval Type:	Municipal & Private sewage	
Status:	Approved	
Application Type:	New Certificate of Approval	
Client Name:	T.L. Properties IV Ltd.	
Client Address:	104 Centrepoinde Drive, #200	
Client City:	Nepean	
Client Postal Code:	K2G 6B1	
Project Description:	Storm sewers to be constructed on Amberlakes Drive, Stowgrass Crescent, the Easement from Stowgrass Drive to the Storm Pond, and the Easement from Northeast of Main Street to Southeast of Hazeldean Road	
Contaminants:		
Emission Control:		

Site: **Loblaws**
Lot 24, Conc. 11, Block 32, Plan 4M- 1103 Ottawa ON

Database:
CA

Certificate #: 4714-4UUTU4
Application Year: 01
Issue Date: 3/28/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: T. L. Properties IV Ltd.
Client Address: 104 Centrepointhe Drive, Suite 200
Client City: Nepean
Client Postal Code: K2G 6B1
Project Description: Sanitary and storm sewers to be constructed on Easement, Part 23, Plan 4R-16275
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: **Loblaws**
Lot 24, Conc. 11, Block 32, Plan 4M- 1103 Ottawa ON

Database:
CA

Certificate #: 5813-4UUTBU
Application Year: 01
Issue Date: 3/28/01
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: T. L. Properties IV Ltd.
Client Address: 104 Centrepointhe Drive, Suite 200
Client City: Nepean
Client Postal Code: K2G 6B1
Project Description: Watermains to be constructed on Easement, Part 24, Plan 4R- 16275
Contaminants:
Emission Control:

Site: **Lot 24, Concession 11, Amberlakes Goulbourn ON**

Database:
CA

Certificate #: 4724-4NEJHJ
Application Year: 00
Issue Date: 8/22/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: T.L. Properties Iv Ltd.
Client Address: 104 Centrepointhe Drive, #200
Client City: Nepean
Client Postal Code: K2G 6B1

Project Description: Construction of watermain on Amberlakes Drive, Stowgrass Crescent, and the Easement from 65 m west of Stowgrass Crescent (east).

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: M. HOLITZNER HOMES LTD.-MANOR HOMES DEVE
PRIVATE RD.-LOT 24, CONC. 11 GOULBOURN TWP. ON

Database:
CA

Certificate #: 7-0909-90-
Application Year: 90
Issue Date: 6/26/1990
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Taggart Construction Limited
Mobile Facility Ottawa ON

Database:
CA

Certificate #: 0636-7KEL2F
Application Year: 2008
Issue Date: 11/19/2008
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
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: M. HOLITZNER HOMES LTD.-MANOR HOME DEVEL
PRIVATE RD.-LOT 24, CONC. 11 GOULBOURN TWP. ON

Database:
CA

Certificate #: 3-1120-90-
Application Year: 90
Issue Date: 6/26/1990
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Taggart Construction Limited
Ottawa ON

Database:
CONV

File No: 012802

Location:
Region:
Ministry District:

Crown Brief No:
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:
Description:

Taggart Construction Limited, Paterson Group Inc. and Robert Passmore have been fined \$5,000 each, totalling \$15,000 plus a victim fine surcharge, after pleading guilty on January 15, 2009 to violations under the Ontario Water Resources Act. Taggart Construction Limited and Paterson Group Inc. were convicted of failing to comply with a Provincial Officer Order by taking more than 50,000 litres of water per day, and Mr. Passmore was convicted of giving false or misleading information to the ministry. The parties were given six months to pay the fine. The Court heard that Taggart Construction Limited was contracted by a developer to install municipal services at a subdivision in Ottawa which required dewatering activities. After being issued a Provincial Officer Order to restrict water taking activities to below 50,000 litres per day until a permit had been obtained, Taggart hired Paterson Group Inc. to submit an application for the permit. Taggart then pumped over 50,000 litres of water based on information provided by Paterson Group employee, Mr. Passmore, that the go ahead to pump had been given when a permit had yet to be issued. In an interview with ministry investigators, Mr. Passmore denied giving Taggart verbal approval to pump in excess of 50,000 litres per day. Taggart Construction Limited, Paterson Group Inc. and Mr. Passmore were charged following an investigation by the Ministry of the Environment's Investigations and Enforcement Branch.

Background:
URL:

Additional Details

Publication Date:
Count: 1
Act: OWRA

Regulation:
Section:
Act/Regulation/Section: OWRA
Date of Offence:
Date of Conviction:
Date Charged: January 15, 2009
Charge Disposition: fine, victim fine surcharge
Fine: \$5,000
Synopsis:

Site: **Taggart Construction Limited**
Mobile Facility Ottawa Ontario Ottawa ON

Database:
EBR

EBR Registry No: IA07E0165
Ministry Ref No: 8556-6XWUA3
Notice Type: Instrument Decision
Notice Stage: 803008003
Notice Date: December 09, 2008
Proposal Date: January 30, 2007
Year: 2007
Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)
Off Instrument Name:
Posted By:
Company Name: Taggart Construction Limited
Site Address:
Location Other:
Proponent Name:
Proponent Address: 3187 Albion Rd S, Ottawa Ontario, K1V 8Y3
Comment Period:
URL:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

Mobile Facility Ottawa Ontario Ottawa

Site: **Taggart Construction Limited**
Mobile Facility Ottawa ON K1V 8Y3

Database:
ECA

Approval No: 0636-7KEL2F
Approval Date: 2008-11-19
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-AIR
Project Type: AIR
Address: Mobile Facility
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/8556-6XWUA3-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

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

Database:
SPL

Ref No: 25861
Site No:
Incident Dt: 9/25/1989
Year:
Incident Cause: UNDERGROUND TANK LEAK
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:

Contaminant UN No 1:		Site Region:	
Environment Impact:		Site Municipality:	20000
Nature of Impact:		Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	MCCR
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	9/28/1989	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	UNKNOWN	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	TOP OIL RESOURCES- 7000 LTR DIESEL FUEL LEAK FROM UNDERGROUND TANK		
Contaminant Qty:			

Site: Taggart Construction Limited
Findlay Creek Subdivision Ottawa ON

Database:
SPL

Ref No: 4066-82SU3T
Site No:
Incident Dt:
Year:
Incident Cause: Discharge Or Bypass To A Watercourse
Incident Event:
Contaminant Code: 43
Contaminant Name: SEDIMENT(SUSPENDED SOLIDS/ SAND/ SILT)

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:

Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Confirmed
Nature of Impact: Surface Water Pollution
Receiving Medium:
Receiving Env:
MOE Response: Planned Field Response
Dt MOE Arvl on Scn: 2/19/2010
MOE Reported Dt: 2/18/2010
Dt Document Closed:

Site District Office:
Site Postal Code:
Site Region:
Site Municipality:
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: Environment Canada - Spills at Federal Facilities & Spills of National Interest

Incident Reason: Overstress/Pressure - Any form of overloading wherein the design strength of the container was exceeded

Source Type:

Site Name: Findlay Creek<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: Taggart Construction: sediment to Findlay Creek
Contaminant Qty: 90 min (duration)

Site: CP BULK SYSTEMS
STITTSVILLE MAIN ST. ESSO SERVICE STATION TANK TRUCK (CARGO) GOULBOURN TWP. ON

Database:
SPL

Ref No: 32340
Site No:
Incident Dt: 3/20/1990
Year:
Incident Cause: CONTAINER OVERFLOW
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20604
Site Lot:
Site Conc:

Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	3/20/1990	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	ERROR	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	CP BULK SYSTEMS-MAX200 L.GASOLINE TO GROUND FROM UND-GROUND TANK, DELIVERY		
Contaminant Qty:			

Site: Taggart Construction Limited
Ottawa ON

Database:
SPL

Ref No:	7584-BB3KRQ	Discharger Report:	
Site No:	NA	Material Group:	
Incident Dt:	4/4/2019	Health/Env Conseq:	
Year:		Client Type:	Corporation
Incident Cause:		Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	Ottawa
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	Eastern
Environment Impact:		Site Municipality:	Ottawa
Nature of Impact:		Site Lot:	
Receiving Medium:		Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	4/9/2019	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:		Source Type:	
Site Name:	1896 John Quinn rd, Metcalfe<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Mobile Crusher Relocation - 2019		
Contaminant Qty:			

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 [AAGR](#)

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 2019

Abandoned Mine Information System:

Provincial [AMIS](#)

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Government Publication Date: 1800-Oct 2018

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

Aboveground Storage Tanks:

Provincial [AST](#)

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

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-Jun 30, 2020

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 2018

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*

Dry Cleaning Facilities:

Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities. Environment and Climate Change Canada cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Jan 2004-Dec 2017

Commercial Fuel Oil Tanks:

Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information. Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Chemical Manufacturers and Distributors:

Private CHEM MAN

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-Jan 31, 2020

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 2012 - Jun 2020

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-Dec 2019

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-Aug 31, 2020

Delisted Fuel Tanks:

Provincial DELISTED TANK

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: Jul 31, 2020

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 - Sep 2019

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-Sep 30, 2020

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-Aug 31, 2020

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-Sep 30, 2020

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-Jul 31, 2020

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

Environmental Penalty Annual Report:

Provincial

EPAR

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 2019

List of Expired Fuels Safety Facilities:

Provincial

EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

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. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

Government Publication Date: Jun 2000-Apr 2020

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-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal

FRST

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

Government Publication Date: May 31, 2018

Fuel Storage Tank:

Provincial

FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

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-Jul 31, 2020**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 2017**TSSA Historic Incidents:**

Provincial

HINC

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The 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, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

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***Fuel Oil Spills and Leaks:**

Provincial

INC

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing in a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020**Landfill Inventory Management Ontario:**

Provincial

LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: 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 include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Feb 28, 2019**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-Jan 2020

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, 2018

National Defense & Canadian Forces Fuel Tanks:

Federal

[NDFT](#)

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

[NDSP](#)

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

Government Publication Date: Mar 1999-Apr 2018

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 Canada Energy Regulator (CER) - previously 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-Mar 31, 2020

National Energy Board Wells:

Federal

[NEBP](#)

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-May 2017

Oil and Gas Wells:

Private

OGWE

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-Aug 31, 2020

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-Jun 2020

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-Aug 31, 2020

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, 2009-2014

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: Oct 2011-Sep 30, 2020

Pipeline Incidents:

Provincial

PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness. The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

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-Aug 31, 2020

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-Jul 2020

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-Jun 30, 2020

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](#)

List of spills and incidents made available the Ministry of the Environment, Conservation and Parks. 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.

The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: 1988-Nov 2019

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-Dec 31, 2017

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-Aug 2018

Variances for Abandonment of Underground Storage Tanks:

Provincial

VAR

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered 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.

Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

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: Oct 2011-Sep 30, 2020

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: Apr 30, 2020

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.

APPENDIX D
AERIAL PHOTOGRAPHS



LRJ

ENGINEERING | INGÉNIERIE

5430 Canotek Road | Ottawa, ON, K1J 9G2
www.lri.ca | (613) 842-3434

PROJECT

PHASE I ENVIRONMENTAL
SITE ASSESSMENT
6111 HAZELDEAN ROAD
OTTAWA, ONTARIO

DRAWING TITLE

AERIAL PHOTOGRAPH 1976
SCALE 1:4000
SOURCE: GEOOTTAWA

CLIENT

MACEWEN PETROLEUM INC.

DATE

NOVEMBER 2020

PROJECT

200100.04

AP1





LRJ

ENGINEERING | INGÉNIERIE

5430 Canotek Road | Ottawa, ON, K1J 9G2
www.lri.ca | (613) 842-3434

PROJECT

PHASE I ENVIRONMENTAL
SITE ASSESSMENT
6111 HAZELDEAN ROAD
OTTAWA, ONTARIO

DRAWING TITLE

AERIAL PHOTOGRAPH 1991
SCALE 1:4000
SOURCE: GEOOTTAWA

CLIENT

MACEWEN PETROLEUM INC.

DATE

NOVEMBER 2020

PROJECT

200100.04

AP2





LRJ

ENGINEERING | INGÉNIÉRIE

5430 Canotek Road | Ottawa, ON, K1J 9G2
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PROJECT

PHASE I ENVIRONMENTAL
SITE ASSESSMENT
6111 HAZELDEAN ROAD
OTTAWA, ONTARIO

DRAWING TITLE

AERIAL PHOTOGRAPH 2007
SCALE 1:4000
SOURCE: GEOOTTAWA

CLIENT

MACEWEN PETROLEUM INC.

DATE

NOVEMBER 2020

PROJECT

200100.04

AP3





LRJ

ENGINEERING | INGÉNIERIE

5430 Canotek Road | Ottawa, ON, K1J 9G2
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PROJECT

PHASE I ENVIRONMENTAL
SITE ASSESSMENT
6111 HAZELDEAN ROAD
OTTAWA, ONTARIO

DRAWING TITLE

AERIAL PHOTOGRAPH 2017
SCALE 1:4000
SOURCE: GEOOTTAWA

CLIENT

MACEWEN PETROLEUM INC.

DATE

NOVEMBER 2020

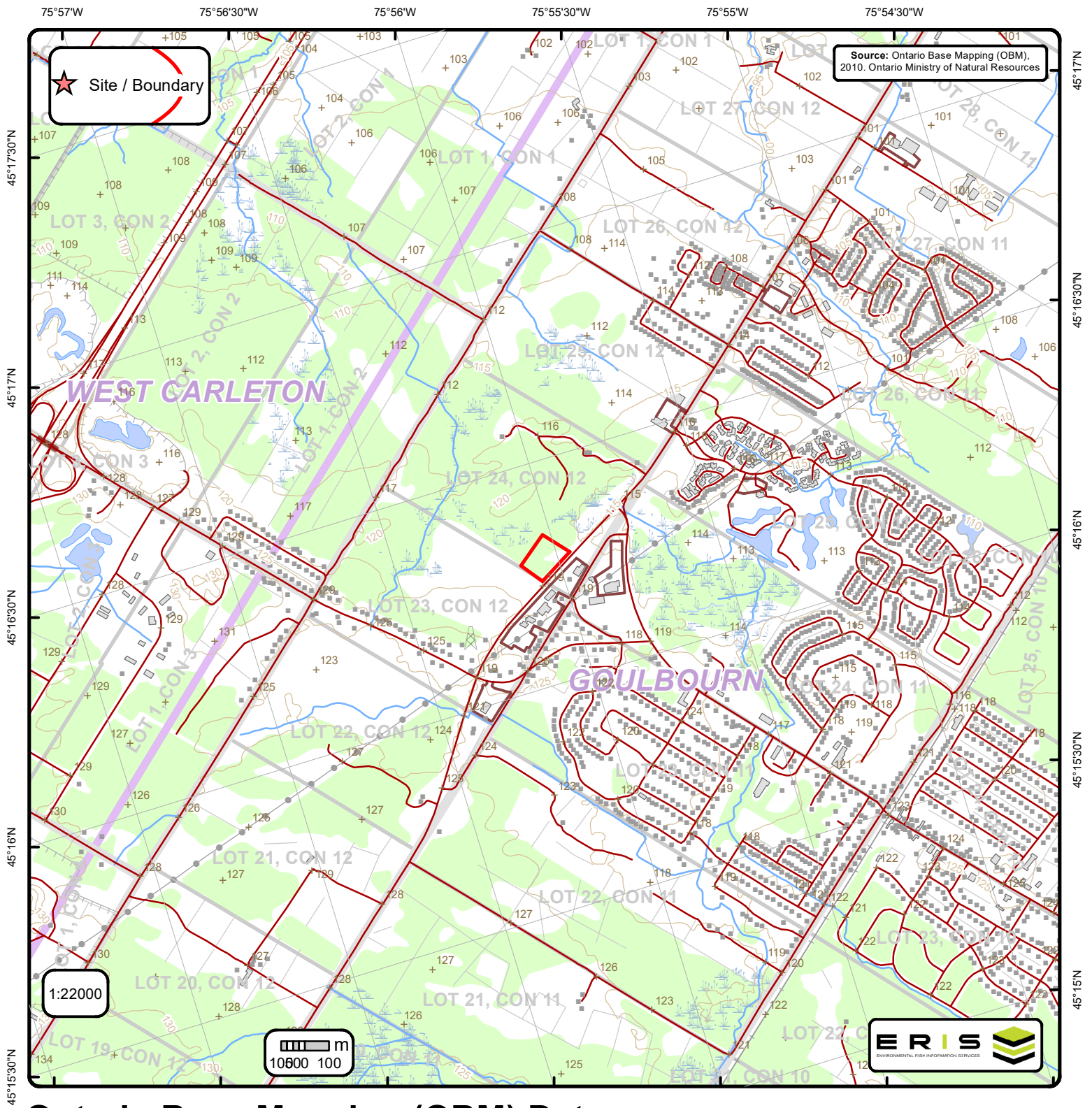
PROJECT

200100.04

AP4



APPENDIX E
ONTARIO BASE MAP



Ontario Base Mapping (OBM) Data

Order No. 20300100320

+	Spot Height (metre)	—	Transportation Structure	—	Contour Line	■	Wooded Area
■	Building Point	—●—	Utility Line	▭	Pit or Quarry	▭	Conservation Authority
⚡	Towers	—	Water Structure	■	Waterbody	■	Conservation Area
●	Utility Site Point	—	Drainage Line Feature	■	Wetlands	■	Municipal Park
—	Misc. Line	—	River or Stream	▭	Concession	■	Provincial Park
—+—	Railroads	▭	Airports	▭	Lots	■	National Park
—+—	Roads	■	Tanks	▭	Municipality	■	Nature Reserve
- - -	Trail	▭	Building to Scale	▭	Land Ownership		

APPENDIX F
SITE VISIT PHOTOGRAPHS




SITE VISIT PHOTOGRAPHS

Our File Ref.: 200100.04
Client: MacEwen Petroleum Inc.
Project: Phase I Environmental Site Assessment
Site Location: 6111 Hazeldean Road, Ottawa, Ontario

Photograph No. 1	
Date: 10/19/2020	
Description Northerly view of gravel parking on the northwest end of Site and neighbouring residential development to the north.	
Photograph No. 2	
Date: 10/19/2020	
Description View of gravel parking on the northwest end of the Site.	



Photograph No. 3	
Date: 10/19/2020	
View of central portion of Site.	

Photograph No. 4	
Date: 10/19/2020	
View of asphalted area on east end of Site.	



APPENDIX G

TABLE 2 OF SCHEDULE D OF O. REG. 153/04

Ontario Regulation 153/04 – Schedule D
Summary of Potentially Contaminating Activities & Areas of Potential Environmental Concern

Acid and Alkali Manufacturing, Processing and Bulk Storage	Explosives and Firing Range	Petroleum-derived Gas Refining, Manufacturing, Processing and Bulk Storage
Adhesives and Resins Manufacturing, Processing and Bulk Storage	Fertilizer Manufacturing, Processing and Bulk Storage	Pharmaceutical Manufacturing and Processing
Airstrips and Hangars Operation	Fire Retardant Manufacturing, Processing and Bulk Storage	Plastics (including Fibreglass) Manufacturing and Processing
Antifreeze and De-icing Manufacturing and Bulk Storage	Fire Training	Port Activities, including Operation and Maintenance of Wharves and Docks
Asphalt and Bitumen Manufacturing	Flocculants Manufacturing, Processing and Bulk Storage	Pulp, Paper and Paperboard Manufacturing and Processing
Battery Manufacturing, Recycling and Bulk Storage	Foam and Expanded Foam Manufacturing and Processing	Rail Yards, Tracks and Spurs
Boat Manufacturing	Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles	Rubber Manufacturing and Processing
Chemical Manufacturing, Processing and Bulk Storage	Gasoline and Associated Products Storage in Fixed Tanks	Salt Manufacturing, Processing and Bulk Storage
Coal Gasification	Glass Manufacturing	Salvage Yard, including automobile wrecking
Commercial Autobody Shops	Importation of Fill Material of Unknown Quality	Soap and Detergent Manufacturing, Processing and Bulk Storage
Commercial Trucking and Container Terminals	Ink Manufacturing, Processing and Bulk Storage	Solvent Manufacturing, Processing and Bulk Storage
Concrete, Cement and Lime Manufacturing	Iron and Steel Manufacturing and Processing	Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems
Cosmetics Manufacturing, Processing and Bulk Storage	Metal Treatment, Coating, Plating and Finishing	Tannery
Crude Oil Refining, Processing and Bulk Storage	Metal Fabrication	Textile Manufacturing and Processing
Discharge of Brine related to oil and gas production	Mining, Smelting and Refining; Ore Processing; Tailings Storage	Transformer Manufacturing, Processing and Use
Drum and Barrel and Tank Reconditioning and Recycling	Oil Production	Treatment of Sewage equal to or greater than 10,000 litres per day
Dye Manufacturing, Processing and Bulk Storage	Operation of Dry Cleaning Equipment (where chemicals are used)	Vehicles and Associated Parts Manufacturing
Electricity Generation, Transformation and Power Stations	Ordnance Use	Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners
Electronic and Computer Equipment Manufacturing	Paints Manufacturing, Processing and Bulk Storage	Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products
Explosives and Ammunition Manufacturing, Production and Bulk Storage	Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	