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**Phase One Environmental Site
Assessment
Proposed Development
2800 Moodie Drive
Ottawa, Ontario**

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Submitted to:

Novatech Engineering Consultants Limited
240 Michael Cowpland Drive, Suite 200
Ottawa, Ontario
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**Phase One Environmental Site
Assessment
Proposed Development
2800 Moodie Drive
Ottawa, Ontario**

September 28, 2018
Project: 64153.89

GEMTEC Consulting Engineers and Scientists Limited
32 Steacie Drive
Ottawa, ON, Canada
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September 28, 2018

File: 64153.89

Novatech Engineering Consultants Limited
240 Michael Cowpland Drive, Suite 200
Ottawa, Ontario
K2M 1P6

Attention: Adam Thompson, MCIP, RPP, Senior Project Manager

Re: Phase One Environmental Site Assessment
Address/ Site Location
Ottawa, Ontario

Enclosed is our Phase One ESA report for the above-noted project based on the scope of work presented in our proposal dated May 22, 2018. This report was prepared by Nicole Soucy M.A.Sc., with senior review performed by Katherine Rispoli M.A.Sc, P.Eng, ing.



Nicole Soucy, B.A.Sc., M.A.Sc.



Katherine Rispoli, M.A.Sc., P.Eng., ing.

NS/KR

Enclosures

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EXECUTIVE SUMMARY

GEMTEC Consulting Engineers and Scientists Limited (GEMTEC) was retained by Novatech Engineering Consultants Limited to carry out a Phase One Environmental Site Assessment (ESA) for Proposed Development located at 2800 Moodie Drive in Ottawa, Ontario (hereafter referred to as “the subject property”). The subject property is not an enhanced investigation property as defined by Ontario Regulation 153/04.

The primary objective of this Phase One ESA was to identify any former or current potentially contaminating activities at the subject property and its vicinity to determine if they create any Areas of Potential Environmental Concern (APECs) on the subject property. This Phase One ESA was carried out in general accordance with Ontario Regulation 153/04 made under the Environmental Protection Act and meets the requirements of Part VII (Sections 23 to 31) and Schedule D of the regulation.

Section 1.0 of this report provides a brief description of the site and Section 2.0 provides the scope of investigation. Section 3.0 presents the findings of the records review. Section 4.0 presents the results of the interviews conducted. Section 5.0 presents the findings of the site reconnaissance. Section 6.0 provides a review and evaluation of information gathered. Section 7.0 presents the conclusions and recommendations of the study. Section 8.0 outlines the limitation of liability and Section 9.0 lists the references used.

No APECs were determined through the Phase One ESA to exist for the subject property. Based on this information, it is our opinion that a Phase Two Environmental Site Assessment is not required for the subject property. Based on historical agricultural practices on the subject property, it is recommended that excess soil be analyzed for possible contaminants of concern prior to off-site disposal.

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1.0 INTRODUCTION

GEMTEC Consulting Engineers and Scientists Limited (GEMTEC) was retained by Novatech Engineering Consultants Limited to carry out a Phase One Environmental Site Assessment (ESA) for Proposed Development located at 2800 Moodie Drive in Ottawa, Ontario (hereafter referred to as “the subject property”). The legal description for 2800 Moodie Drive is Part of Lot 19, Concession 5, Rideau Front, being Parts 1 and 2 on Plan 4R-16177, Formerly City of Nepean, City of Ottawa; PIN 04594-0186. The subject property is not an enhanced investigation property as defined by Ontario Regulation 153/04. The location of the subject property is illustrated on the Key Plan, Figure 1.

The subject property is presently owned by Philip DeKemp and Martha Jayne DeKemp. The contact person for the subject property is Mr. Adam Thompson, at 613-254-9643 extension 270.

2.0 SCOPE OF THE INVESTIGATION

The primary objective of this Phase One ESA was to identify any former or current potentially contaminating activities at the subject property and its vicinity to determine if they create any areas of potential environmental concern on the subject property.

This Phase One ESA was carried out in general accordance with Ontario Regulation 153/04 made under the Ontario Environmental Protection Act and meets the requirements of Part VII (Sections 23 to 31) and Schedule D of the regulation. The scope of the investigation includes a records review, interviews, a site reconnaissance, an evaluation of the information gathered and reporting. The Phase One ESA report will document and demonstrate how the objectives of the Phase One ESA were achieved and whether further investigation is required.

3.0 RECORDS REVIEW

3.1 General

3.1.1 Phase One Study Area Determination

The subject property has an area of 2.1 hectares (5.2 acres) and is located at 2800 Moodie Drive in Ottawa, Ontario. The subject property has been used for agriculture since the earliest available aerial photograph from 1945. The Township of Nepean was amalgamated into the City of Ottawa in the 1950s. No structures have been identified to have ever existed on the subject site.

Historical land use in the study area was predominantly agricultural with a few commercial developments along what is presently known as Fallowfield Drive. Based on this information, a Phase One ESA study area of 250 metres surrounding the subject property is deemed sufficient for the purpose of this Phase One ESA. The location of the subject property and the extent of the Phase One ESA study area are provided on the Study Area Plan, Figure 2. A Detailed Site Plan is provided on Figure 3.

No land use outside the 250 metres study area has been identified as a considerable environmental concern to warrant inclusion in the study area.

3.1.2 First Developed Use Determination

Based on a review of the historical information, the subject property has never been developed and has been used for agricultural purposes since the earliest available aerial photograph in 1945. Aerial photographs indicate that no structures have been identified to have ever existed on the subject site. Aerials also identify an outcrop of trees in the northwest section of the property.

3.1.3 Fire Insurance Plans / Insurance Reports

A search of available fire insurance plans was conducted for the subject property and the adjacent properties. The search indicated that no fire insurance plans were available within the study area. A copy of the request and response is provided in Appendix A.

3.1.4 Chain of Title

A chain of title search for the subject property was provided by Wentzell Titles of Kemptville, Ontario and is included in Appendix B. The legal description for 2800 Moodie Drive is Part of Lot 19, Concession 5, Rideau Front, being Parts 1+2 on Plan 4R-16177, Formerly City of Nepean, City of Ottawa; PIN 04594-0186. The highlights of the chain of title search are described below:

- The subject property was first purchased from the Crown by Lucy McLean in 1810;
- The property has been owned by different owners until the land was acquired by the Agriculture Development Board in 1931; and,

- The property was purchased again by private owners in 1939 and has been owned privately ever since. The current owners of the property are Philip DeKemp and Martha Jayne DeKemp.

3.1.5 Environmental Reports

No previous environmental reports were available for review as part of this Phase One ESA.

3.2 Environmental Source Information

3.2.1 Ecolog ERIS Database Report

GEMTEC contacted Ecolog Environmental Risk Information Services Ltd. (Ecolog Eris) to conduct a search of over fifty (50) public and private information databases for the subject property and the area within 250 metres of the subject property. The complete Ecolog Eris report, including a list of databases searched, is provided in Appendix C. All listings were reviewed and the following entries were identified as relevant:

Address / Location	Distance from Subject Site	Company / Name	Database	Description
2736 Moodie Drive	140 metres northeast (approximate location)	J.C.'s Orchard & Nursery	Pesticide Register	Listed as a pesticide vendor.
2775 Moodie Drive	135 metres north	-	Eris Historical Search	An ERIS historical search was completed by Houle Chevrier Engineering Limited in 2008
Part of lot 19/20, concession 4	25 metres east (approximate location – very large area)	City of Ottawa	Certificate of Approval	Certificate of approval for municipal and private sewage works was revoked and/or replaced in 2003.
Lot 19, concession 4	25 metres east (approximate location – very large area)	Findlay Creek Properties	Certificate of Approval	Certificate of approval for municipal and private sewage works was approved in 2004.
Lots 19/20, concession 4, and lot 20, concession 5	25 metres east (approximate location – very large area)	Findlay Creek Properties	Permit to take Water	Permit to take water was approved in 2006 with final instrument decision.

3.2.2 City Directories

A review of the city directories from 1961 to 2011 was completed for the subject property (2800 Moodie Drive), and several adjacent properties including 2760, 2809, 2831, 2775, 2726, 2782, 2857, and 2885 Moodie Drive; 4564 Fallowfield Drive; and, 2739 Steeple Hill Crescent in Ottawa, Ontario. A copy of the City Directory records is provided in Appendix D. All records were reviewed and the relevant highlights are provided in the following table:

Address	Distance from Subject Site	Description
2800 Moodie Drive	-	1961 to 2011 – Not listed
		2011 – Residential, and site preparation
		2006/2007 – Residential, site preparation, and HER excavating & Grading Inc.
2760 Moodie Drive	Adjacent north	2001/2002 – Residential, and site preparation
		1996/1997 – Residential, and set construction
		1961 to 1992 – Not listed
		2011 – MacEwen Petroleum Inc., and Teloip Inc.
4564 Fallowfield Drive	245 metres north	1961 to 2006/07 – Not listed

3.2.3 Technical Standards and Safety Authority

The Technical Standards and Safety Authority (TSSA) was contacted on June 4, 2018, to request available records regarding the subject property (2800 Moodie Drive), and for the adjacent properties located at 2800, 2760, 2809, 2831, 2775, 2726, 2782, 2857, and 2885 Moodie Drive; 4564 Fallowfield Drive; and, 2739 Steeple Hill Crescent in Ottawa, Ontario. The response from the TSSA indicated that they have records of tanks at 4564 Fallowfield Road, and 2809 Moodie Drive. Detailed reports were ordered and have not been received at the time this report was written, upon receipt of the documents they will be reviewed and if any of the conclusions of this report are affected, Novatech will be contacted.

A copy of the search request and the response from the TSSA are provided in Appendix E.

3.2.4 City of Ottawa – Freedom of Information Request

Records from the City of Ottawa Historical Land Use Inventory (HLUI) were provided to us as part of this study. Based on a review of the HLUI information, the selected activities identified as being associated with potential environmental concerns are listed in the following table:

Company Name	Location	Distance from Subject Property	Facility Type	Approximate Years of Operation
Site Preparations Limited, 888342 Ontario Inc., and HER Excavating & Grading	2760 Moodie Drive	Adjacent	Site Works, and Non-Residential Building and Development	2001, and 2005

A copy of the information provided by the City of Ottawa is provided in Appendix F.

3.2.5 Mapping and Assessment of Former Industrial Sites

A report entitled “Mapping and Assessment of Former Industrial Sites, City of Ottawa” dated July 1988 and prepared by Intera Technologies Ltd. was reviewed. The report provides an inventory and assessment of former industrial sites in the City of Ottawa from 1850 to 1984 that would have likely produced or handled hazardous waste and materials. No former industrial sites were identified on the subject property or within the study area as the results from the report does not extend to the subject property.

3.2.6 Mapping of Federally Contaminated Sites

A Government of Canada, Treasury Board of Canada Secretariat, interactive map of contaminated sites was reviewed. The database provides an inventory of over four thousand (4000) federally contaminated sites across the country. The database did not identify any federally contaminated site within the study area.

3.2.7 Ontario Inventory of PCB Storage Sites

The Waste Management Branch of the Ontario Ministry of the Environment published an Ontario Inventory of poly chlorinated biphenyl (PCB) Storage Sites in October 1991. The publication includes information of PCB storage sites collected under O.Reg 11/82 through MOECC district and regional offices. The database did not identify any PCB storage sites within the study area.

3.3 Physical Setting Sources

3.3.1 Aerial Photographs

Selected aerial photographs were examined as part of this Phase One ESA. Copies of the aerial photographs are provided in Appendix G.

Aerial photographs were obtained at approximately fifteen (15) year intervals and were selected based on suitable scales for analysis and coverage area. The earliest aerial photograph obtained was from 1945. Observations made with respect to the selected aerial photographs are discussed below:

Plate Number	Date	Photograph Number	Observations
G1	1945	A9558_33	<ul style="list-style-type: none"> The subject site is not yet developed and is being used as agricultural land; One small treed area is visible in the northwest portion of the subject site; and, Adjacent properties are used agriculturally and a few residential (likely farming related) houses are visible in the study area.
G2	1958	A169-39	<ul style="list-style-type: none"> No significant changes compared to the 1945 aerial photograph.
G3	1968	R60142-46	<ul style="list-style-type: none"> A structure can be seen where the current MacEwen Gas Station exists, it is not clear what the structure is being used for.
G4	1978	A31198-172	<ul style="list-style-type: none"> No significant changes from the 1968 aerial photograph
G5	1991	geoOttawa	<ul style="list-style-type: none"> A gasoline service station can be seen north of the subject site; Other commercial development has occurred north of the subject site; and, Possible greenhouses can be seen north of the subject site;
G6	2002	geoOttawa	<ul style="list-style-type: none"> Additional greenhouses have been identified north of the subject site.
G7	2008	geoOttawa	<ul style="list-style-type: none"> Construction on the land adjacent to the north has occurred.
G8	2017	geoOttawa	<ul style="list-style-type: none"> Commercial development has occurred north of the subject site.

Based on the review of selected historical aerial photographs, the subject property has never been developed. Historical land use in the study area was predominantly agricultural with a few commercial developments along what is presently known as Fallowfield Drive.

3.3.2 Topography, Hydrology and Geology

A topographic map based on Ontario Basic Mapping is provided on the Topographic Map, Figure 3. The subject property has a relatively flat topography and is at an elevation of approximately 116 metres above sea level. Surrounding topography generally slopes gradually south towards an outlet of the Rideau River, which is located to the east of the subject property.

Surficial and bedrock geology maps of the Ottawa area indicate that the overburden in the vicinity of the subject property generally consists of coarse textured glaciomarine deposits and/or till with a thickness ranging from 3 to 13 metres. The bedrock is mapped as interbedded limestone and dolomite of the Gull River Formation.

Groundwater flow often reflects topographic features and typically flows toward nearby lakes, rivers and wetland areas. Based on the topography of the area, it is expected that the local shallow groundwater flow is towards the south.

3.3.3 Fill Materials

No fill materials were observed on the subject properties during the site reconnaissance.

3.3.4 Water Bodies and Areas of Natural Significance

No provincially significant wetlands (PSWs) or areas of natural and scientific interest (ANSIs) were identified on the subject property or within the study area. An inlet to the Rideau River is located to the south of the subject property approximately 2 kilometres away.

3.3.5 Well Records

A copy of the Ministry of Environment (MOE) Well Records for a 350-metre radius from the centre of the subject property is provided in Appendix I. Five (5) wells were identified within this search radius. The locations of the adjacent water wells, based on the UTM coordinates provided in the water well records, have been plotted on Figure 3 following the text of this report. The average depth to the water table based on the static water levels available from the MOECC well records is 6.9 metres below ground surface.

The MOECC well records indicate that the stratigraphy of the overburden in the area generally consists of a layer of hardpan over bedrock. Limestone bedrock was encountered at an average depth of 6.2 metres below ground surface.

3.3.6 Site Operating Records

The subject property is not an enhanced investigation property as defined by Ontario Regulation 153/04.

4.0 INTERVIEWS

An interview was carried out with a person familiar with the subject property. Details of the interview are summarized in the following sections.

4.1 Interview with Site Manager

An interview was carried out over the phone with Mr. Philip DeKemp, owner of 2800 Moodie Drive, on June 15, 2018. Mr. DeKemp was identified as an interview candidate because he indicated he has owned the subject property since 2000/01. The following relevant information concerning potentially contaminating activities and areas of potential environmental concern were noted:

- Mr. DeKemp indicated that the property has always been used for agricultural purposes;
- To his knowledge, no fuel storage tanks or structures have ever existed on the subject site;
- Dr. DeKemp did indicate that pesticides and/or herbicides were used on site for corn and soybean production, but not for the last 5-7 years, he was unable to indicate what type of products may have been used on the property;
- He indicated that no fill material has ever been brought to site and the grade as seen at the time of site reconnaissance appeared natural;
- Mr. DeKemp said that no tile draining was installed on the site, and there is one low spot in the northeast corner of the site that gets puddled during yearly snow melt for a few weeks;
- He indicated that most adjacent properties in the area are on private wells, septic systems and fuel sources. While natural gas is available to some of the properties along and north of Fallowfield Road; and,
- Mr. DeKemp indicated he recalls excavation in the area of the MacEwen service station to the north when the property was purchased and tanks replaced– he was not aware of any report or testing completed.

4.2 Assessment and Evaluation of Interview

The information provided in the interview is consistent with other information sources in that the subject property has been used for agricultural purposes, and there are no available records regarding fuel storage or structures on the subject property.

5.0 SITE RECONNAISSANCE

5.1 General Requirements

A site reconnaissance was carried out on June 13, 2018 from 4:15 pm to 5:30 pm. The weather at the time of the site reconnaissance was overcast with a temperature of approximately 20 degrees Celsius.

The primary assessor for this Phase One Environmental Site Assessment is Ms. Nicole Soucy. She possesses a formal education, which includes a Bachelor of Applied Science with a major in Civil Engineering, and a Master of Applied Science in Civil Engineering specializing in Environmental Engineering. This formal education has provided her with the knowledge and expertise with which to identify sources of environmental concern and evaluate their potential to cause environmental contamination. In addition, Ms. Soucy has successfully completed Workplace Hazardous Materials Information System (WHMIS) and Associated Environmental Site Assessors of Canada Inc. (AESAC) training.

The Phase One ESA was carried out under the supervision of Ms. Katherine Rispoli, M.A.Sc., P.Eng., ing., a Professional Engineer in the Province of Ontario to ensure that the Phase One ESA has been carried out to meet the objectives and requirements of Ontario Regulation 153/04. Ms. Rispoli is a Qualified Person to conduct environmental site assessments and file Record of Site Condition applications.

5.1.1 Site Photographs

Photographs of the subject property were taken during the course of the site reconnaissance to document the general condition of the subject property and any areas of potential environmental concern. The relevant photographs are presented in Appendix H. A discussion of the photographs is provided in the following table:

Plate Number	Compass Orientation	Description
H1	Northwest	Overview of the subject property at 2800 Moodie Drive
H2	Southwest, and Northeast	Barbed wire fence on the west and east site of the subject property
H3	East and North	Municipal services within the study area, including a electrical transformer and fire hydrants

Plate Number	Compass Orientation	Description
H4	East and East	Potentially contaminating business in the study area - MacEwen Petroleum

5.2 Specific Observations at Phase One Property

5.2.1 Onsite Structures

No buildings were observed on the subject property.

5.2.2 Observations

The following observations were made for the subject property:

- The subject site was not currently being used agriculturally, and was overgrown with vegetation;
- No services were currently at the subject site as it has not been previously developed;
- An outcrop of trees was identified on the northwest corner of the subject property;
- No heating, cooling, drains, sumps, pits or unidentified substances were identified on the subject property; and,
- Groundcover at the subject site was vegetation.

5.2.3 Site Services

The site is not serviced.

5.3 Specific Observations within the Study Area

5.3.1 Services

Buildings in the study area are serviced with domestic wells, septic systems and overhead hydro. Some building in the service area use private fuel sources (mainly propane) while some of the properties along Fallowfield Road are serviced with natural gas. Roadside ditches were observed in the streets adjacent to the subject property. Pole mounted transformers were identified along Moodie Drive east of the subject property.

5.3.2 Water Bodies and Areas of Natural Significance

No water bodies or areas of natural significance were observed in the study area.

5.3.3 Surrounding Properties

The following general observations were made for the properties surrounding the subject property:

- Agricultural lands, residential farm houses and commercial businesses (service station, storage and greenhouses) are located to the north of the site;
- A barbed wire fence was identified along the edge of the subject property on the west and east sides; and,
- Agriculture and residential farm houses are located to the east, west and south of the subject property.

5.4 Enhanced Investigation Property

The Phase One ESA properties are not enhanced investigation properties, since the available information indicates that the subject properties have never been used as a commercial garage, gasoline outlet, dry cleaning facility or for other industrial purposes.

5.5 Written Description of Investigation

The site reconnaissance was carried out on June 13, 2018, by Ms. Nicole Soucy, B.A.Sc., M.A.Sc. of GEMTEC. The site reconnaissance was carried out to determine if there were environmental concerns with the subject properties and/or surrounding property uses.

A detailed written description of the investigation and the results of the site reconnaissance investigation are provided in Sections 5.1 to 5.4.

No potentially contaminating activities were identified on the subject property during the site reconnaissance:

The following potentially contaminating activity was identified in the study area during the site reconnaissance:

- MacEwen Service Station at 4567 Fallowfield Road.

6.0 REVIEW AND EVALUATION OF INFORMATION

6.1 Current and Past Uses

Current and past uses of the subject property are documented in the following table:

Year	Owner	Description of Property Use	Observations
1810 to 2000	Lucy McLean and others (private and commercial)	Unknown (Likely Agricultural)	No aerial photographs prior to 1945 were available for review. Aerial photographs from 1945 show the property being used for agricultural purposes.
2000 to 2007	Bluebird Cheese Factory	Agricultural (Vacant)	Aerial photographs indicate that there are no structures on the subject property. The property looks as though it is being used agriculturally.
2007 to present	Philip DeKemp and Martha Jayne DeKemp (current owner)	Agricultural (Vacant)	Aerial photographs indicate that there are no structures on the subject property. The property looks as though it is being used agriculturally.

6.2 Potentially Contaminating Activities

Potentially contaminating activities within the Phase One ESA study area and the likelihood for creating an area of potential environmental concern (APEC) on the subject property are as follows:

PCA and Location	Description	Likelihood of Creating APEC	Rationale
Pesticide/ Herbicide use on the subject property	Based on typical agricultural practices and site interview, it was confirmed that pesticides and herbicides were used on the subject site during the production of soybean and corn, 5 to 7 years ago.	Low	Based on confirmation that pesticides and herbicides were used on the subject property.
Aboveground Storage Tanks at 2809 Moodie Drive	TSSA search identified a highway gas/ diesel tank at 2809 Moodie Drive, a report has been ordered	Low	Based on uncertainty of the tank and anticipated

PCA and Location	Description	Likelihood of Creating APEC	Rationale
	for the site, and has not yet been received.		groundwater flow direction.
Underground Storage Tanks and Retail Service Station at 4564 Fallowfield Drive	TSSA search, ERIS report and site reconnaissance indicated a retail service station with underground fuel storage tanks.	Low	Based on the distance to the subject site and historical excavation prior to instillation of fiberglass tanks at the location.
Historical excavating and grading company at 2760 Moodie Drive	The City Directory indicated HER excavating & Grading Inc. was present on site between 2001 and 2006/07.	Low	Based on the type of activity.
Environmental Compliance Approvals at Part of lot 19/20, concession 4, and Lot 19, concession 4.	ERIS report identified two (2) Certificates of approval for municipal and private sewage works. One (1) was revoked and/or replaced in 2003 and one (1) was approved in 2004.	Low	Based on the type of activity, uncertainty of location and distance from subject site.
PTTW at Lots 19/20, concession 4, and lot 20, concession 5	ERIS report identified a Permit to take water that was approved in 2006 with final instrument decision.	Low	Based on the type of activity, uncertainty of location and distance from subject site.

6.3 Areas of Potential Environmental Concern

No areas of potential environmental concern (APECs) were identified on the subject property.

The available information was reviewed in a comprehensive manner starting with available historical information, followed by the results of the site reconnaissance and finally the results of the interviews. These three components were evaluated using our professional experience, judgment and available documentation including guidelines to determine potentially contaminating activities. Available historical records were cross-referenced with other records to verify their accuracy. The observations from the site reconnaissance and information provided through the interview validated the available historical records for the subject property, and vice versa. The potentially contaminating activities were then reassessed using our professional experience and judgment in order to identify the areas of potential environmental concern on the

subject property. In combination, the factual review of available historical records and application of professional judgment have led to a thorough analysis that is sufficient for the purposes of the Phase One ESA.

6.3.1 Discussion of Uncertainty

There is uncertainty associated with the location of the aboveground fuel storage tank at 2809 Moodie Drive, and what is contaminated, and whether it has ever been removed. The exact locations of the Certificates of Analysis and the PTTW are also uncertain as they are listed as covering multiple concessions.

6.4 Phase One Conceptual Site Model

The required details of the Phase One Conceptual Site Model are presented on Figure 2 and 3, as noted in the following table:

Conceptual Model Detail	Figure
Existing Buildings and Structures	Study Area Plan, Figure 2
Water Bodies	Topographic Map, Figure 3
Areas of Natural Significance	Not Present within the Phase One Study Area
Drinking Water Wells	Topographic Map, Figure 3
Roads	Study Area Plan, Figure 2
Adjacent Property Use	Study Area Plan, Figure 2
Potentially Contaminating Activities	Study Area Plan, Figure 2
Areas of Potential Environmental Concern	Study Area Plan, Figure 2

A description and assessment of the areas where potentially contaminating activities have occurred and the factors that could affect contaminants of concern, if any, are provided in the following sections.

6.4.1 Underground Utilities

There is potential for underground utilities to affect contaminant transport on or to the subject property, if contaminants are present.

6.4.2 Geological and Hydrogeological Information

Surficial and bedrock geology maps of the Ottawa area indicate that the overburden in the vicinity of the subject property generally consists of coarse textured glaciomarine deposits and/or till with a thickness ranging from 3 to 13 metres. The bedrock is mapped as interbedded limestone and dolomite of the Gull River Formation.

Groundwater flow often reflects topographic features and typically flows toward nearby lakes, rivers and wetland areas. Based on the topography of the area, it is expected that the local shallow groundwater flow is towards the south. However, speaking with the property owner and considering observations during the site reconnaissance, localized groundwater flow may not follow the topography as the low point on the subject site is the northeast corner.

6.4.3 Discussion of Uncertainty

There is uncertainty with the Phase One Conceptual Site Model associated with using well record data, topographic and geology maps from external sources. Information based on these sources may have changed since publishing due to construction, seasonal variations, or other factors.

7.0 CONCLUSIONS AND RECOMMENDATIONS

GEMTEC Consulting Engineers and Scientists Limited (GEMTEC) was retained by Novatech Engineering Consultants Limited to carry out a Phase One Environmental Site Assessment (ESA) for the subject property located at 2800 Moodie Drive in Ottawa, Ontario.

The available information was reviewed in a comprehensive manner starting with available historical information, followed by the results of the site reconnaissance and interviews. These three components were evaluated using our professional experience, judgment and available documentation including guidelines to determine potentially contaminating activities. Using site-specific geological and hydrogeological information, we determined the likelihood of contamination on the subject property due to the potentially contaminating activities in order to establish areas of potential environmental concern. The identification of areas of potential environmental concern was guided by our professional experience and judgment. This analysis constitutes a comprehensive review of the available information and factual data that is sufficient for the purposes of the Phase One ESA.

No APECs were determined through the Phase One ESA to exist for the subject property. Based on this information, it is our opinion that a Phase Two Environmental Site Assessment is not required for the subject property. Based on historical agricultural practices on the subject property, it is recommended that excess soil be analyzed for possible contaminants of concern prior to off-site disposal.

The Phase One Environmental Site Assessment has been carried out by the qualified personnel and reviewed by the undersigned. This Phase One ESA was carried out in general accordance with Ontario Regulation 153/04 made under the Environmental Protection Act and meets the requirements of Part VII (Sections 23 to 31) and Schedule D of the regulation.

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



Nicole Soucy, B.A.Sc., M.A.Sc.
Environmental Scientist



Katherine Rispoli, M.A.Sc., P.Eng., ing.
Environmental Engineer



8.0 LIMITATION OF LIABILITY

This report and the work referred to within it have been undertaken by GEMTEC Consulting Engineers and Scientists Ltd (GEMTEC), and prepared for the Novatech Engineering Consultants Limited, and Philip and Martha Jayne DeKemp, and is intended for the exclusive use of the Novatech Engineering Consultants Limited, and Philip and Martha Jayne DeKemp. This report may not be relied upon by any other person or entity without the express written consent of GEMTEC and Novatech Engineering Consultants Limited, and Philip and Martha Jayne DeKemp. Nothing in this report is intended to provide a legal opinion.

The investigation undertaken by GEMTEC with respect to this report and any conclusions or recommendations made in this report reflect the best judgements of GEMTEC based on the site conditions observed during the investigations undertaken at the date(s) identified in the report and on the information available at the time the report was prepared.

This report has been prepared for the application noted and it is based, in part, on visual observations made at the site, subsurface investigations at discrete locations and depths and laboratory analyses of specific chemical parameters and material during a specific time interval, all as described in the report. Unless otherwise stated, the findings contained in this report cannot be extrapolated or extended to previous or future site conditions, portions of the site that were unavailable for direct investigation, subsurface locations on the site that were not investigated directly, or chemical parameters, materials or analysis which were not addressed. Chemical parameters other than those addressed by the investigation described in this report may exist in soil and groundwater elsewhere on the site, the chemical parameters addressed in the report may exist in soil and groundwater at other locations at the site that were not investigated and concentrations of the chemical parameters addressed which are different than those reported may exist at other locations on the site than those from where the samples were taken.

Should new information become available during future work, including excavations, borings or other studies, GEMTEC should be requested to review the information and, if necessary, re-assess the conclusions presented herein.

9.0 REFERENCES

Geography Network Canada. Ontario Basic Mapping (<http://www.geographynetwork.ca/website/obm/viewer.htm>). October 2004.

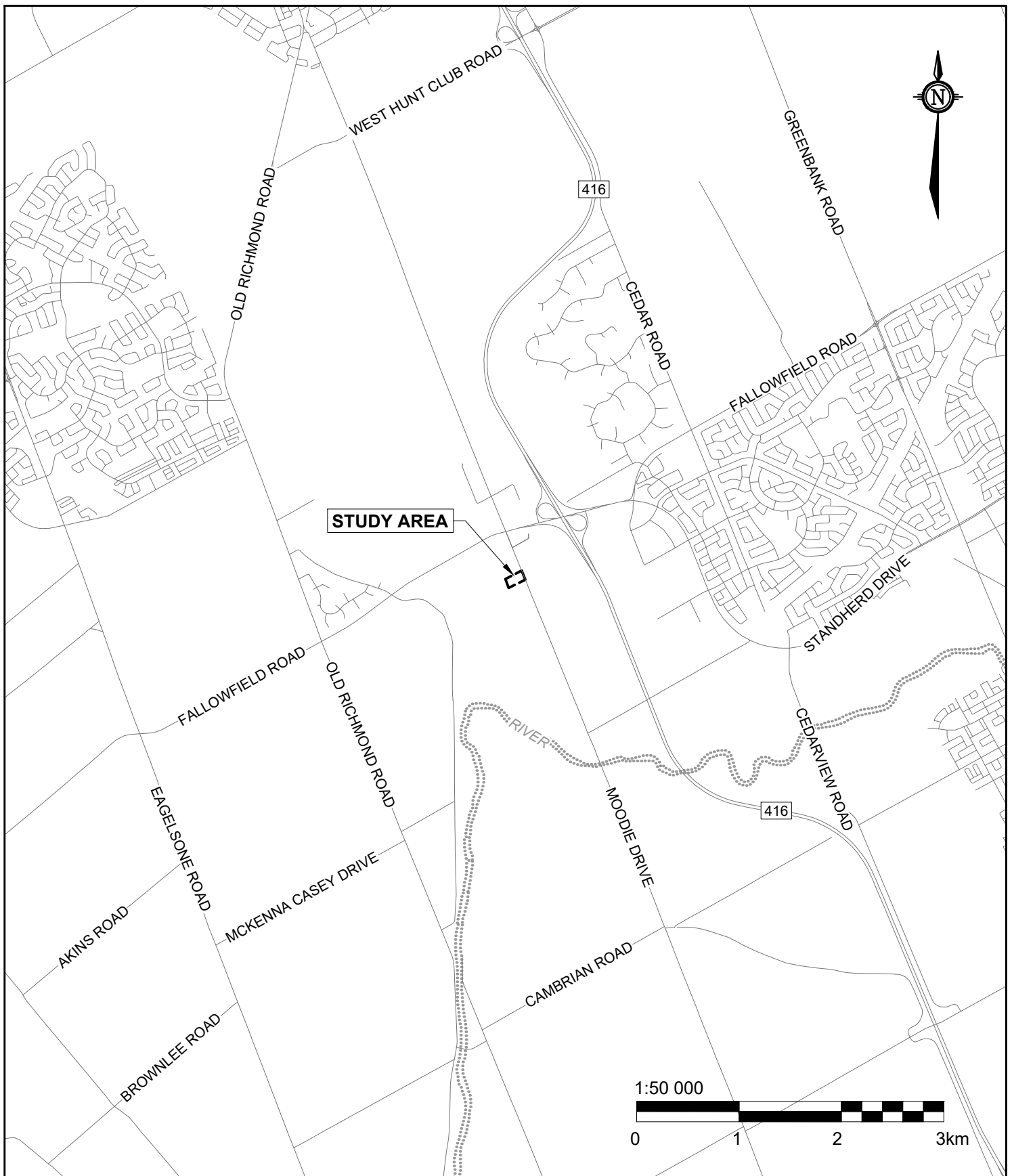
Geological Survey of Canada. Urban Geology of the National Capital Region (http://gsc.nrcan.gc.ca/urbgeo/natcap/index_e.php). November 5, 2007.

Intera Technologies Ltd. Mapping and Assessment of Former Industrial Sites, City of Ottawa, Volume 1. July 1988. Project Reference H87-053.

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Ontario Ministry of the Environment. Ontario Regulation 153/04, Made under the Environmental Protection Act, Part XV.1 – Records of Site Condition. January 1, 2014.



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AND SCIENTISTS

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T: (613) 836-1422 | www.gemtec.ca | ottawa@gemtec.ca

Project

PHASE ONE ESA
2800 MOODIE DRIVE
OTTAWA, ONTARIO

Drawing

KEY PLAN

Drwn By

S.L.

Chkd By

N.S.

Date

SEPTEMBER 2018

Project No.

64153.89

Revision No.

0

FIGURE 1



LEGEND

----- SUBJECT SITE

----- 250 METRE BUFFER SHOWING EXTENT OF STUDY AREA

ON-SITE POTENTIALLY CONTAMINATING ACTIVITIES

- 1 PESTICIDE AND HERBICIDE USE

OFF-SITE POTENTIALLY CONTAMINATING ACTIVITIES

- 2 ABOVE GROUND STORAGE TANK / UNDERGROUND STORAGE TANK
- 3 SERVICE STATION
- 4 EXCAVATING & GRADING
- 5 CERTIFICATE OF APPROVAL
- 6 PERMIT TO TAKE WATER

Scale 1:3000

0 100 200m

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Ottawa, ON K2K 2A9
Tel: (613) 836-1422
www.gemtec.ca
ottawa@gemtec.ca

Drawing

STUDY AREA PLAN

Client

NOVATECH

Project	64153.89	PHASE ONE ESA 2800 MOODIE DRIVE OTTAWA, ONTARIO
Drwn by	P.C.	
Chkd by	N.S.	

Date	SEPTEMBER 2018	Rev.	0	FIGURE 2



LEGEND

SUBJECT SITE

250 METRE BUFFER SHOWING EXTENT OF STUDY AREA

110

CONTOUR LINE, ELEVATION IN METRES

WATER BODIES

WELL LOCATION

Scale

1:5000

0100200300m

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ottawa@gemtec.ca

Drawing

TOPOGRAPHIC MAP

Client

NOVATECH

Project

64153.89

Drwn by

P.C.

Chkd by

N.S.

PHASE ONE ESA
2800 MOODIE DRIVE
OTTAWA, ONTARIO

Date

SEPTEMBER 2018

Rev.

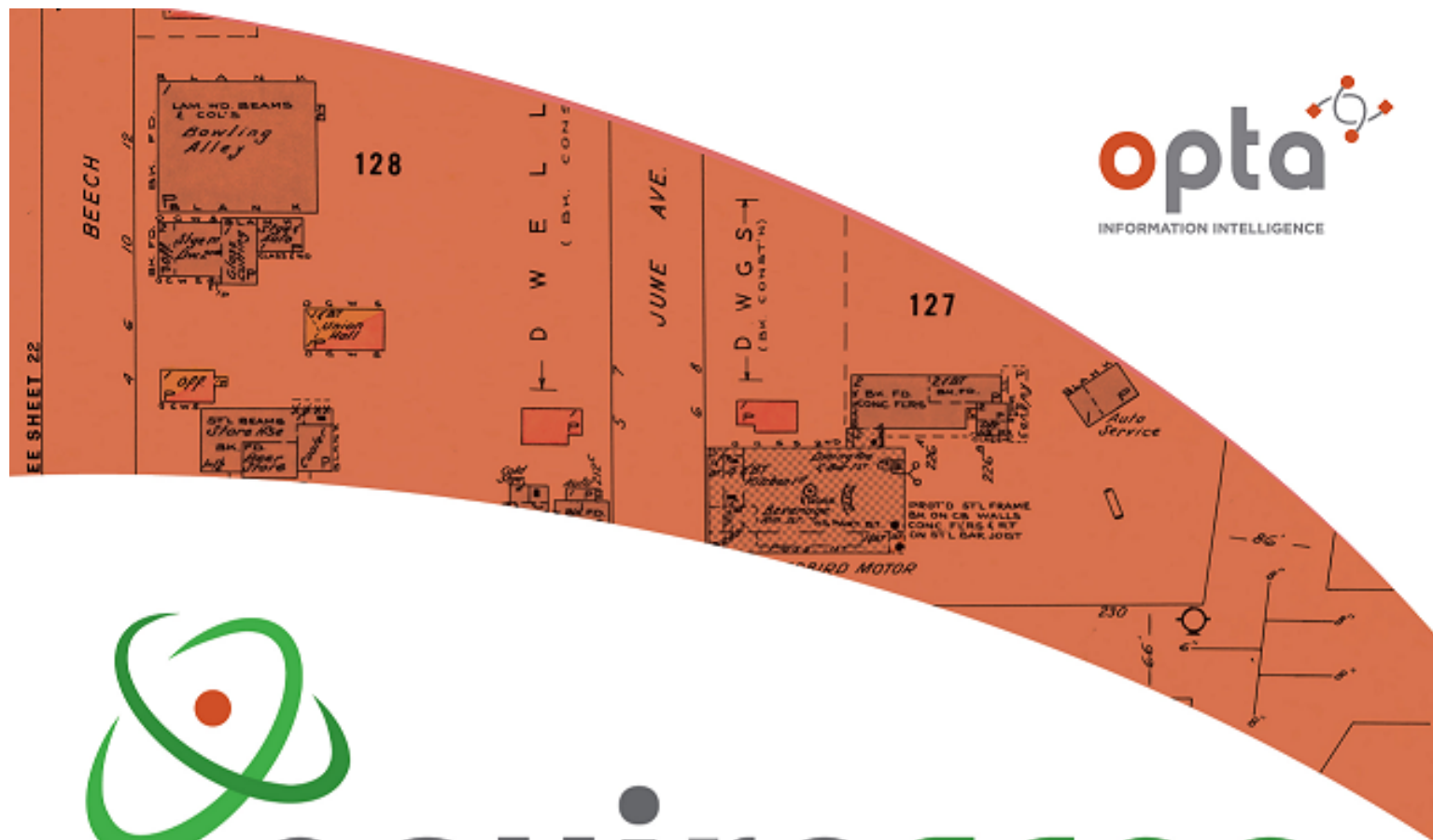
0

FIGURE 3



APPENDIX A

Fire Insurance Plans



enviroscan



An SCM Company

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 905-882-6300
W: www.optaintel.ca

Report Completed By:

Sunita

Site Address:

2800 Moodie Drive Nepean Ont
Project No:

20180604043
Opta Order ID:

49741

Requested by:
Eleanor Goolab
ERIS

Date Completed:
6/8/2018 5:28:10 AM

Page: 2

Project Name: 2800 Moodie
Drive 64153.89

Project #: 20180604043

ENVIROSCAN Report

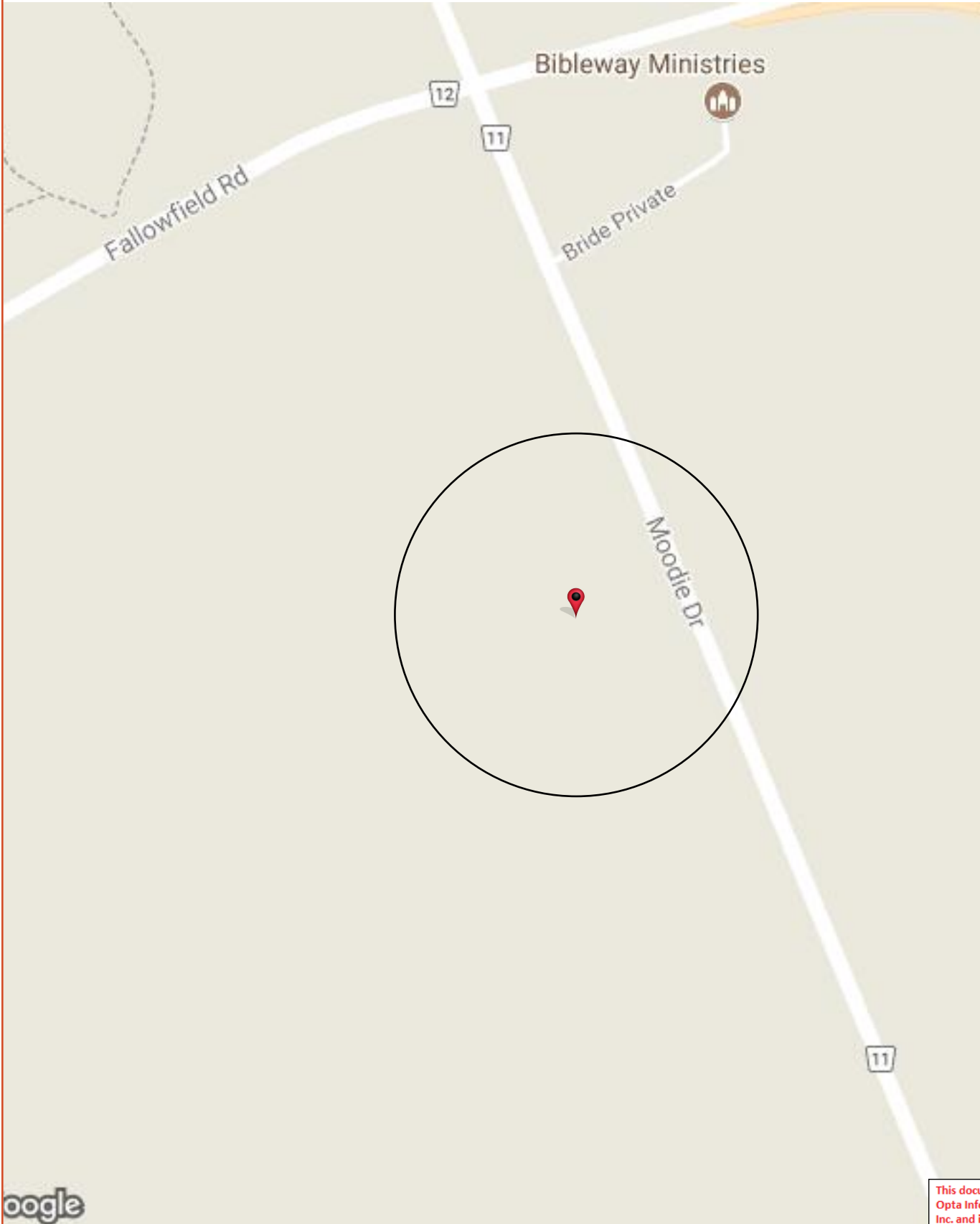
Search Area: 2800 Moodie Drive Nepean Ont

Requested by:
Eleanor Goolab

Date Completed: 06/08/2018 05:28:10



OPTA INFORMATION INTELLIGENCE



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Opta Historical Environmental Services EnviroscanTM Terms and Conditions

Report

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

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Entire Agreement

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

Governing Document

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

Law

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

No Records Found

Requested by:

Eleanor Goolab

Date Completed: 06/08/2018 05:28:10



OPTA INFORMATION INTELLIGENCE

No Records Found





APPENDIX B

Chain of Title



ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

PAGE 1 OF 1

PREPARED FOR DAVE
ON 2018/06/08 AT 08:32:49

LAND
REGISTRY
OFFICE #4

04594-0186 (LT)

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PART OF LOT 19, CONCESSION 5, R.F., BEING PARTS 1 AND 2 ON 4R16177, NEPEAN.

PROPERTY REMARKS:

ESTATE/QUALIFIER:

FEE SIMPLE

LT CONVERSION QUALIFIED

RECENTLY:

DIVISION FROM 04594-0068

PIN CREATION DATE:

2001/07/27

OWNERS' NAMES

DE KEMP, PHILIP
DE KEMP, MARTHA JAYNE

CAPACITY SHARE

JTEN
JTEN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT	INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2001/07/27 **					
**SUBJECT,	ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:					
**	SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *					
**	AND ESCHEATS OR FORFEITURE TO THE CROWN.					
**	THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF					
**	IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY					
**	CONVENTION.					
**	ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.					
**DATE OF CONVERSION TO	LAND TITLES: 1993/01/25 **					
4R16177	2000/11/06	PLAN REFERENCE	*** COMPLETELY DELETED *** CRESCENT VIEW FARMS LTD.			C
LT1344450	2000/11/30	TRANSFER	*** COMPLETELY DELETED ***			
REMARKS: PTS 1 & 2 PL 4R16177, CONSENT RE: PLANNING ACT			BLUEBIRD CHEESE FACTORY INC			
OC740855	2007/07/06	TRANSFER	*** COMPLETELY DELETED *** BLUEBIRD CHEESE FACTORY INC.			
OC1135995	2010/07/16	NOTICE	HER MAJESTY THE QUEEN IN RIGHT OF CANADA			C
REMARKS: AIRPORT ZONING REGULATION						
OC1984271	2018/04/06	TRANSFER	DE KEMP, PHILIP DE KEMP, MARTHA JAYNE			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.

Attn: Nicole Lowrey

ENVIRONMENTAL SEARCH

Co: 2800 Noodie Drive

INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER
* Part of the records for this lot are missing (before 1931). I have ordered the original from the city. It takes 1 to 2 weeks & I will update the record at the change then.				
NP42140	Quarter	May 12 1931	Michael Clarke Julius Clarke	The Agricultural Development Bond
NP47083	Power of Sale	Mar 17 1939	Commissioner of Agricultural Loans	Frederick J. Wilson William R. A. Wilson
CR393204	deed	Aug 21 1959	William R. A. Wilson	Alfred R. Mowat
CR491806	deed	Apr 12 1965	Estate of Alfred R. Mowat	Ronald A. Mowat
NS218200	deed	Mar 14 1983	Ronald A. Mowat	Leasant Greer Thoma 1st.
LT1344450	deed	Mar 30 2000	Leasant Greer Thoma 1st.	Bluebird Cheese Factory Inc.
OC740855	deed	July 6 2007	Bluebird Cheese Factory Inc.	Philip De Rango

2

INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER
OC1984271	Good	Apr 6 2018	Philip de Rompe	Philip de Rompe Ornette Lynne de Rompe (Trustee)
Legal Description: for this property is: Part of Lot 19, Concession 5, Ridgeway Trust, being Parts 1 & 2 on Plan 418 - 16/177, formerly City of Napanee, City of Ottawa. PIN 04594-0186.				
June 8/18.				

ENVIRONMENTAL SEARCH

Re: Back title to original search

INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER - missing records
	Patent	May 10 1810	Loun	Jucy McLean
No number	Seed	Oct 29 1811	Jucy McLean John Griffin	Rice Honeywell
R067	Seed	Oct 31 1826	Rice Honeywell	Amherst Eastman
R0809	Seed	Feb 6 1835	Amherst Eastman	Alexander Campbell
R01206	Seed	Sept 19 1837	Alexander Campbell	Henry Buchanan
R01207	Seed	Sept 19 1837	Henry Buchanan	Murtagh Quinn
R013331	Will	Dec 23 1858	Murtagh Quinn	Julia Tierney
R024384	Seed	Sept 3 1864	Julia Tierney	Murtagh Tierney

2

[illegible]



APPENDIX C

Ecolog ERIS Database Report



DATABASE REPORT

Project Property: 2800 Moodie Drive 64153.89
2800 Moodie Drive
Nepean ON K2J 4S7

Project No:

Report Type: Quote - Custom-Build Your Own Report

Order No: 20180604043

Requested by: GEMTEC Consulting Engineers and
Scientists Limited (Ontario)

Date Completed: June 11, 2018

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

www.erisinfo.com

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

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Executive Summary

Property Information:

Project Property: 2800 Moodie Drive 64153.89
2800 Moodie Drive Nepean ON K2J 4S7

Project No:

Order Information:

Order No: 20180604043
Date Requested: June 4, 2018
Requested by: GEMTEC Consulting Engineers and Scientists Limited (Ontario)
Report Type: Quote - Custom-Build Your Own Report

Historical/Products:

Aerial Photographs Aerials - National Collection - .tiff files
City Directory Search CD - Subject Site plus 10 Adjacent Properties
Insurance Products Fire Insurance Maps/Inspection Reports/Site Plans

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
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	3	3
CA	Certificates of Approval	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	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
DRL	Drill Hole Database	Y	0	0	0
DRYCLEANERS	Dry Cleaning Facilities	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	1	1
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EXP	List of TSSA Expired Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	0	0
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MISA PENALTY	Environmental Penalty Annual Report	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
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
NEBW	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	1	1
PINC	TSSA Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	0	0
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	5	5
Total:			0	10	10

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
--------------------	-----------	--------------------------	----------------	---------------------	--------------------------	------------------------

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>1</u>	BORE		ON	ENE/33.6	0.99	<u>13</u>
<u>2</u>	WWIS		lot 20 con 4 ON	NE/34.6	1.00	<u>13</u>
<u>3</u>	EHS		2775 Moodie Drive Ottawa ON	ENE/137.8	1.67	<u>15</u>
<u>4</u>	BORE		ON	NNE/149.2	3.01	<u>16</u>
<u>5</u>	WWIS		lot 19 con 4 NEPEAN ON	E/162.6	0.68	<u>16</u>
<u>6</u>	PES	J.C.'S ORCHARD & NURSERY	2736 MOODIE DRIVE NEPEAN ON K2J 4S7	NNW/171.3	2.31	<u>21</u>
<u>7</u>	WWIS		lot 20 con 4 NEPEAN ON	N/182.1	3.00	<u>21</u>
<u>8</u>	WWIS		lot 20 con 5 ON	N/188.7	3.00	<u>27</u>
<u>9</u>	BORE		ON	SE/215.7	-2.08	<u>30</u>
<u>9</u>	WWIS		lot 19 con 4 ON	SE/215.7	-2.08	<u>30</u>

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2014 has found that there are 3 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	33.6	<u>1</u>
	ON	149.2	<u>4</u>
	ON	215.7	<u>9</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Feb 28, 2018 has found that there are 1 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>
	2775 Moodie Drive Ottawa ON	137.8	<u>3</u>

PES - Pesticide Register

A search of the PES database, dated 1988-Mar 2018 has found that there are 1 PES site(s) within approximately 0.25 kilometers of the project property.

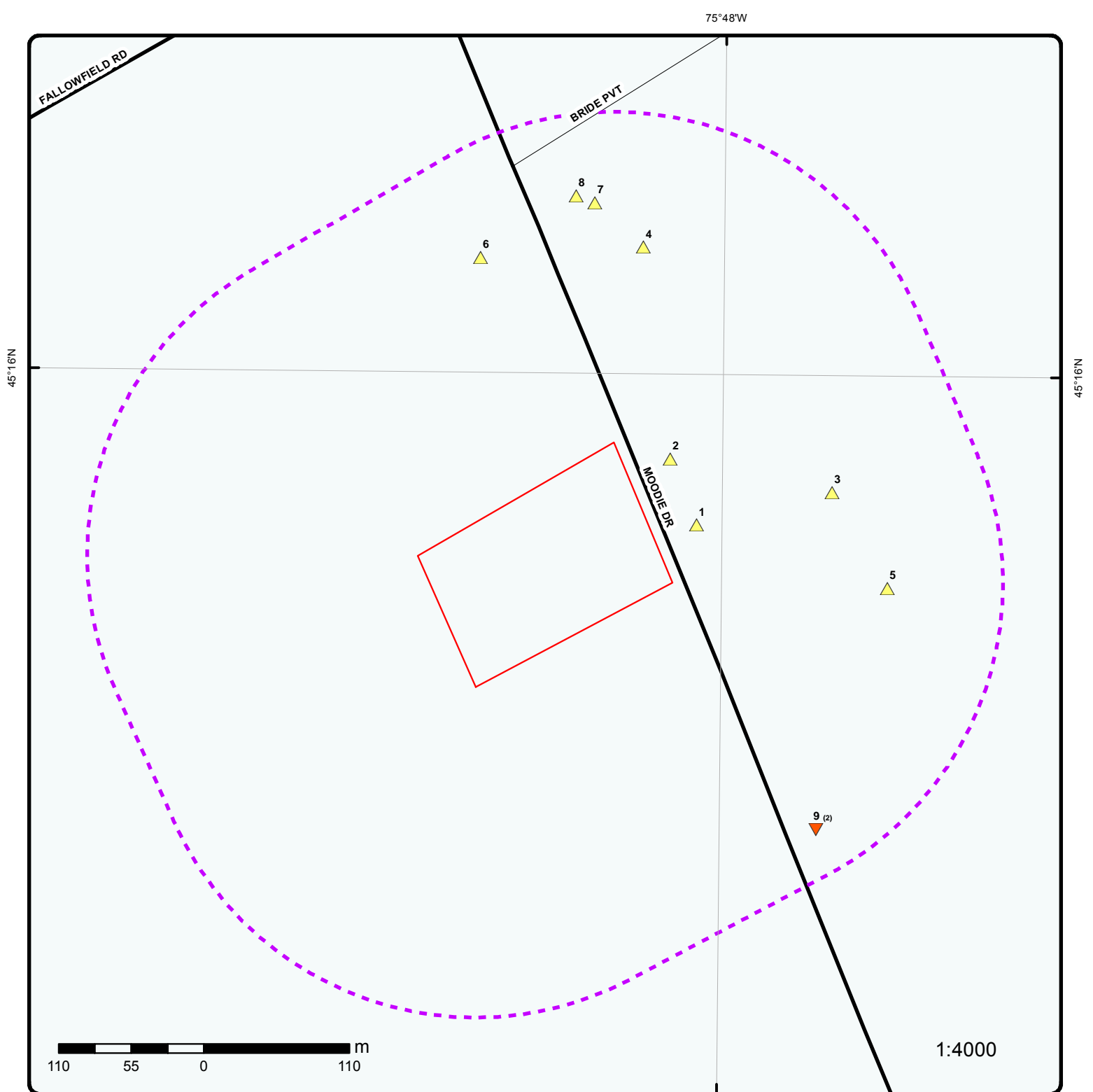
<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
J.C.'S ORCHARD & NURSERY	2736 MOODIE DRIVE NEPEAN ON K2J 4S7	171.3	<u>6</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31, 2017 has found that there are 5 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 20 con 4 ON	34.6	<u>2</u>
	lot 19 con 4 NEPEAN ON	162.6	<u>5</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 20 con 4 NEPEAN ON	182.1	<u>7</u>
	lot 20 con 5 ON	188.7	<u>8</u>
	lot 19 con 4 ON	215.7	<u>9</u>



Map : 0.25 Kilometer Radius

Order No: 20180604043

Address: 2800 Moodie Drive, Nepean, ON, K2J 4S7



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

75°48'W

45°16'30"N

45°16'30"N



Aerial (2017)

Address: 2800 Moodie Drive, Nepean, ON, K2J 4S7

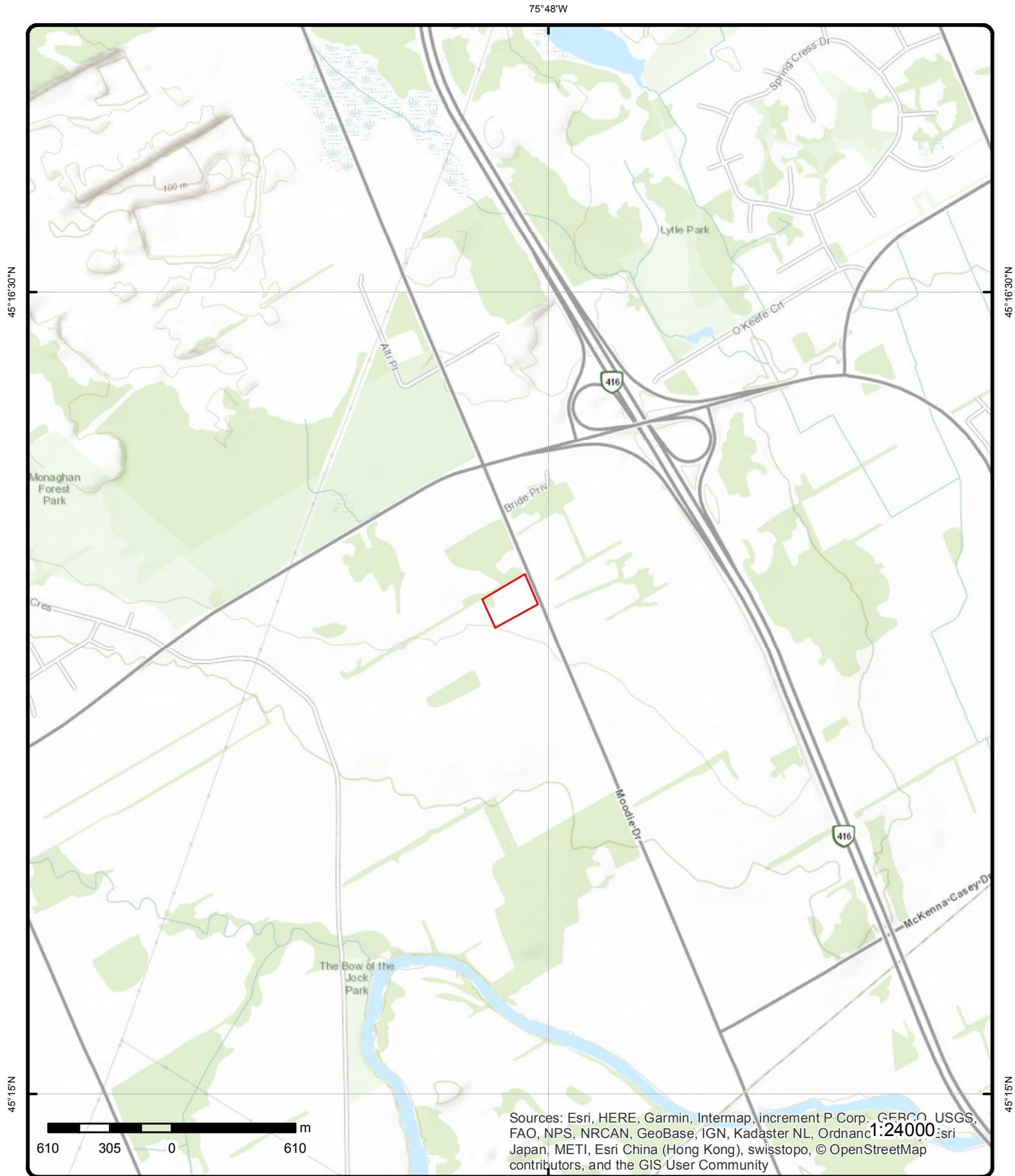
Source: ESRI World Imagery

Order No: 20180604043

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ENVIRONMENTAL RISK INFORMATION SERVICES



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Topographic Map

Address: 2800 Moodie Drive, Nepean, ON, K2J 4S7

Source: ESRI World Topographic Map

Order No: 20180604043



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	ENE/33.6	112.9 / 0.99	ON	BORE
<div> <div> Borehole ID: 610502 Use: Drill Method:: Easting:: 437221 Location Accuracy:: Elev. Reliability Note:: Total Depth m:: -999 Township:: Lot:: Completion Date:: Primary Water Use:: </div> <div> Type: Borehole Status:: UTM Zone:: 18 Northing:: 5012772 Orig. Ground Elev m:: 115 DEM Ground Elev m:: 115 Primary Name:: Concession:: Municipality: Static Water Level:: 9.8 Sec. Water Use:: </div> </div>					
<div> --Details-- </div>					
<div> <div> Stratum ID: 218385758 Bottom Depth(m): 13.7 </div> <div> Top Depth(m): 0.0 Stratum Desc: TILL. </div> </div>					
<div> <div> Stratum ID: 218385759 Bottom Depth(m): </div> <div> Top Depth(m): 13.7 Stratum Desc: BEDROCK,LIMESTONE. WATER STABLE AT 348.0 FEET.ET.BEDROCK,LIMESTONE. LIMESTONE. GREY. 001 </div> </div>					
2	1 of 1	NE/34.6	112.9 / 1.00	lot 20 con 4 ON	WWIS
<div> <div> Well ID: 1506091 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: Clear/Cloudy: </div> <div> Data Entry Status: Data Src: 1 Date Received: 5/20/1958 Selected Flag: Yes Abandonment Rec: Contractor: 4825 Form Version: 1 Owner: Street Name: County: OTTAWA-CARLETON Municipality: NEPEAN TOWNSHIP Site Info: Lot: 020 Concession: 04 Concession Name: RF Easting NAD83: Northing NAD83: Zone: UTM Reliability: </div> </div>					
Bore Hole Information					
<div> <div> Bore Hole ID: 10028134 DP2BR: 8 Spatial Status: </div> <div> Elevation: 115.76 Elevrc: Zone: 18 </div> </div>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Code OB:	r			East83:	437200.8
Code OB Desc:	Bedrock			Org CS:	
Open Hole:				North83:	5012822
Cluster Kind:				UTMRC:	5
Date Completed:	27-MAR-58			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:		931003774			
Layer:		2			
Color:					
General Color:					
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		8			
Formation End Depth:		128			
Formation End Depth UOM:		ft			
Formation ID:		931003773			
Layer:		1			
Color:					
General Color:					
Mat1:		14			
Most Common Material:		HARDPAN			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		8			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961506091			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10576704			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930049015			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		128			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
Casing ID:		930049014			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		25			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Results of Well Yield Testing</u>					
Pump Test ID:		991506091			
Pump Set At:					
Static Level:		20			
Final Level After Pumping:		32			
Recommended Pump Depth:					
Pumping Rate:		5			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		0			
Pumping Duration MIN:		20			
Flowing:		N			
 <u>Water Details</u>					
Water ID:		933460169			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		120			
Water Found Depth UOM:		ft			
Water ID:		933460168			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		64			
Water Found Depth UOM:		ft			

<u>3</u>	1 of 1	ENE/137.8	113.5 / 1.67	2775 Moodie Drive Ottawa ON	EHS
<hr/>					
Order ID:	138488			Date Received:	5/21/2008
Order No:	20080521014			Lot/Building Size:	13.67 acres
Customer ID:	55688			Municipality:	Ottawa
Company ID:	38525			Client Prov/State:	ON
Status:	C			Search Radius (km):	0.25
Report Code:	4CAN			Large Radius:	0.25

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Report Type: Custom Report Report Date: 5/29/2008 Report Requested by: Houle Chevrier Engineering Nearest Intersection: Moodie Drive and Fallowfield Road Previous Site Name: Additional Info Ordered:					
4	1 of 1	NNE/149.2	114.9 / 3.01	ON	BORE
Borehole ID: 610510 Use: Drill Method:: Easting:: 437181 Location Accuracy:: Elev. Reliability Note:: Total Depth m:: -999 Township:: Lot:: Completion Date:: Primary Water Use::					
Type: Borehole Status:: UTM Zone:: 18 Northing:: 5012982 Orig. Ground Elev m:: 115 DEM Ground Elev m:: 115 Primary Name:: Concession:: Municipality: Static Water Level:: -999.9 Sec. Water Use::					
--Details--					
Stratum ID: 218385778 Bottom Depth(m): 2.4 Stratum ID: 218385779 Bottom Depth(m):					
Top Depth(m): 0.0 Stratum Desc: TILL. Top Depth(m): 2.4 Stratum Desc: BEDROCK,LIMESTONE. 1500. BEDROCK. SEISMIC VELOCITY = 16000. BEDROCK. SEISMIC VELOCITY =					
5	1 of 1	E/162.6	112.6 / 0.68	lot 19 con 4 NEPEAN ON	WWIS
Well ID: 1535533 Construction Date: Primary Water Use: Domestic Sec. Water Use: Final Well Status: Water Supply Water Type: Casing Material: Audit No: Z23223 Tag: A018972 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: Date Received: 6/6/2005 Selected Flag: Yes Abandonment Rec: Contractor: 1119 Form Version: 3 Owner: Street Name: 2831 MOODIE DRIVE County: OTTAWA-CARLETON Municipality: NEPEAN TOWNSHIP Site Info: Lot: 019 Concession: 04 Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
<u>Bore Hole Information</u>					
Bore Hole ID: 11316072 DP2BR: 31 Spatial Status: Code OB: r					
Elevation: 115.38 Elevrc: Zone: 18 East83: 437365					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Code OB Desc:	Bedrock			Org CS:	UTM83
Open Hole:				North83:	5012724
Cluster Kind:				UTMRC:	4
Date Completed:	09-MAY-05			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>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932996553			
Layer:		2			
Color:					
General Color:					
Mat1:		17			
Most Common Material:		SHALE			
Mat2:		15			
Other Materials:		LIMESTONE			
Mat3:					
Other Materials:					
Formation Top Depth:		9.44			
Formation End Depth:		19.2			
Formation End Depth UOM:		m			
Formation ID:		932996552			
Layer:		1			
Color:					
General Color:					
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Other Materials:		GRAVEL			
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		9.44			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		933269783			
Layer:		1			
Plug From:		10.36			
Plug To:		0			
Plug Depth UOM:		m			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961535533			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pipe ID:		11330927			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930855352			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:		10.36			
Depth To:		19.2			
Casing Diameter:					
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
Casing ID:		930855351			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		0			
Depth To:		10.97			
Casing Diameter:		15.88			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		11345479			
Pump Set At:		15.23			
Static Level:		8.33			
Final Level After Pumping:		8.5			
Recommended Pump Depth:		15.23			
Pumping Rate:		91			
Flowing Rate:					
Recommended Pump Rate:		91			
Levels UOM:		m			
Rate UOM:		LPM			
Water State After Test Code:		2			
Water State After Test:		CLOUDY			
Pumping Test Method:		1			
Pumping Duration HR:		1			
Pumping Duration MIN:					
Flowing:					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11392736			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		8.49			
Test Level UOM:		m			
Pump Test Detail ID:		11392739			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		8.49			
Test Level UOM:		m			
Pump Test Detail ID:		11392746			
Test Type:		Recovery			
Test Duration:		60			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:		8.33			
Test Level UOM:		m			
Pump Test Detail ID:		11392747			
Test Type:		Recovery			
Test Duration:		10			
Test Level:		8.33			
Test Level UOM:		m			
Pump Test Detail ID:		11392725			
Test Type:		Draw Down			
Test Duration:		2			
Test Level:		8.48			
Test Level UOM:		m			
Pump Test Detail ID:		11392734			
Test Type:		Draw Down			
Test Duration:		1			
Test Level:		8.48			
Test Level UOM:		m			
Pump Test Detail ID:		11392724			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		8.38			
Test Level UOM:		m			
Pump Test Detail ID:		11392726			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		8.36			
Test Level UOM:		m			
Pump Test Detail ID:		11392735			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		8.33			
Test Level UOM:		m			
Pump Test Detail ID:		11392738			
Test Type:		Recovery			
Test Duration:		25			
Test Level:		8.33			
Test Level UOM:		m			
Pump Test Detail ID:		11392743			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		8.49			
Test Level UOM:		m			
Pump Test Detail ID:		11392723			
Test Type:		Recovery			
Test Duration:		20			
Test Level:		8.33			
Test Level UOM:		m			
Pump Test Detail ID:		11392727			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		8.48			
Test Level UOM:		m			
Pump Test Detail ID:		11392732			
Test Type:		Recovery			
Test Duration:		5			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:		8.34			
Test Level UOM:		m			
Pump Test Detail ID:		11392744			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		8.33			
Test Level UOM:		m			
Pump Test Detail ID:		11392730			
Test Type:		Recovery			
Test Duration:		4			
Test Level:		8.34			
Test Level UOM:		m			
Pump Test Detail ID:		11392737			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		8.49			
Test Level UOM:		m			
Pump Test Detail ID:		11392740			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		8.33			
Test Level UOM:		m			
Pump Test Detail ID:		11392748			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		8.49			
Test Level UOM:		m			
Pump Test Detail ID:		11392729			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		8.49			
Test Level UOM:		m			
Pump Test Detail ID:		11392728			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		8.35			
Test Level UOM:		m			
Pump Test Detail ID:		11392731			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		8.49			
Test Level UOM:		m			
Pump Test Detail ID:		11392741			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		8.49			
Test Level UOM:		m			
Pump Test Detail ID:		11392733			
Test Type:		Draw Down			
Test Duration:		10			
Test Level:		8.49			
Test Level UOM:		m			
Pump Test Detail ID:		11392742			
Test Type:		Recovery			
Test Duration:		40			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Test Level:		8.33			
Test Level UOM:		m			
Pump Test Detail ID:		11392745			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		8.5			
Test Level UOM:		m			
 <u>Water Details</u>					
Water ID:		934060552			
Layer:		2			
Kind Code:					
Kind:					
Water Found Depth:		15.23			
Water Found Depth UOM:		m			
Water ID:		934060553			
Layer:		1			
Kind Code:					
Kind:					
Water Found Depth:		12.19			
Water Found Depth UOM:		m			
 <u>Hole Diameter</u>					
Hole ID:		11533568			
Diameter:		15.23			
Depth From:		0			
Depth To:		19.2			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<hr/>					
6	1 of 1	NNW/171.3	114.2 / 2.31	J.C.'S ORCHARD & NURSERY 2736 MOODIE DRIVE NEPEAN ON K2J 4S7	PES
Licence No:				Operator Box:	
Detail Licence No:				Operator Class:	
Licence Type Code:				Operator No:	
Licence Type:	Vendor			Operator Type:	
Licence Class:				Operator Lot:	
Licence Control:				Oper Concession:	
Trade Name:				Operator Region:	
Post Office Box:				Operator District:	
Lot:				Operator County:	
Concession:				Oper Phone Area Cd:	
Region:				Ext:	
District:				Oper Phone No:	
County:				Proponent Ext:	
<hr/>					
7	1 of 1	N/182.1	114.9 / 3.00	lot 20 con 4 NEPEAN ON	WWIS
Well ID:	7127119			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Domestic			Date Received:	8/10/2009
Sec. Water Use:	Commerical			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	1558
Casing Material:				Form Version:	7

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Audit No:	Z095255			Owner:	
Tag:	A076827			Street Name:	2775 MOODIE DRIVE
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	NEPEAN TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	020
Well Depth:				Concession:	04
Overburden/Bedrock:				Concession Name:	RF
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
 <u>Bore Hole Information</u>					
Bore Hole ID:	1002632037			Elevation:	115.35
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	437144
Code OB Desc:				Org CS:	UTM83
Open Hole:				North83:	5013016
Cluster Kind:				UTMRC:	3
Date Completed:	25-JUN-09			UTMRC Desc:	margin of error : 10 - 30 m
Remarks:				Location Method:	wwr
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:	1002653879				
Layer:	2				
Color:	2				
General Color:	GREY				
Mat1:	15				
Most Common Material:	LIMESTONE				
Mat2:					
Other Materials:					
Mat3:	74				
Other Materials:	LAYERED				
Formation Top Depth:	2.43				
Formation End Depth:	3.65				
Formation End Depth UOM:	m				
Formation ID:	1002653878				
Layer:	1				
Color:	6				
General Color:	BROWN				
Mat1:	02				
Most Common Material:	TOPSOIL				
Mat2:	12				
Other Materials:	STONES				
Mat3:					
Other Materials:					
Formation Top Depth:	0				
Formation End Depth:	2.43				
Formation End Depth UOM:	m				
Formation ID:	1002653880				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Other Materials:					
Mat3:		74			
Other Materials:		LAYERED			
Formation Top Depth:		3.65			
Formation End Depth:		86.86			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1002653884			
Layer:		1			
Plug From:		6.4			
Plug To:		0			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1002653915			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:		AIR PERCUSSION			
<u>Pipe Information</u>					
Pipe ID:		1002653876			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1002653886			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		-.45			
Depth To:		6.4			
Casing Diameter:		15.86			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1002653887			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1002653877			
Pump Set At:		79.24			
Static Level:		7.49			
Final Level After Pumping:		32.73			
Recommended Pump Depth:		38.09			
Pumping Rate:		14.78			
Flowing Rate:					
Recommended Pump Rate:		13.65			
Levels UOM:		m			
Rate UOM:		LPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		0			
Pumping Duration HR:		6			
Pumping Duration MIN:		0			
Flowing:					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002653892			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		9.31			
Test Level UOM:		m			
Pump Test Detail ID:		1002653897			
Test Type:		Draw Down			
Test Duration:		10			
Test Level:		13.07			
Test Level UOM:		m			
Pump Test Detail ID:		1002653905			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		20.87			
Test Level UOM:		m			
Pump Test Detail ID:		1002653910			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		12.42			
Test Level UOM:		m			
Pump Test Detail ID:		1002653902			
Test Type:		Recovery			
Test Duration:		20			
Test Level:		21.05			
Test Level UOM:		m			
Pump Test Detail ID:		1002653891			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		30.5			
Test Level UOM:		m			
Pump Test Detail ID:		1002653895			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		10.53			
Test Level UOM:		m			
Pump Test Detail ID:		1002653906			
Test Type:		Recovery			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Duration:		30			
Test Level:		17.27			
Test Level UOM:		m			
Pump Test Detail ID:		1002653907			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		21.98			
Test Level UOM:		m			
Pump Test Detail ID:		1002653909			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		22.93			
Test Level UOM:		m			
Pump Test Detail ID:		1002653903			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		17.14			
Test Level UOM:		m			
Pump Test Detail ID:		1002653889			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		31.19			
Test Level UOM:		m			
Pump Test Detail ID:		1002653894			
Test Type:		Recovery			
Test Duration:		4			
Test Level:		29.24			
Test Level UOM:		m			
Pump Test Detail ID:		1002653896			
Test Type:		Recovery			
Test Duration:		5			
Test Level:		28.64			
Test Level UOM:		m			
Pump Test Detail ID:		1002653904			
Test Type:		Recovery			
Test Duration:		25			
Test Level:		19.04			
Test Level UOM:		m			
Pump Test Detail ID:		1002653912			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		10.93			
Test Level UOM:		m			
Pump Test Detail ID:		1002653890			
Test Type:		Draw Down			
Test Duration:		2			
Test Level:		8.59			
Test Level UOM:		m			
Pump Test Detail ID:		1002653893			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		29.9			
Test Level UOM:		m			
Pump Test Detail ID:		1002653908			
Test Type:		Recovery			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Duration:		40			
Test Level:		14.42			
Test Level UOM:		m			
Pump Test Detail ID:		1002653900			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		23.28			
Test Level UOM:		m			
Pump Test Detail ID:		1002653911			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		25.25			
Test Level UOM:		m			
Pump Test Detail ID:		1002653888			
Test Type:		Draw Down			
Test Duration:		1			
Test Level:		7.89			
Test Level UOM:		m			
Pump Test Detail ID:		1002653898			
Test Type:		Recovery			
Test Duration:		10			
Test Level:		25.79			
Test Level UOM:		m			
Pump Test Detail ID:		1002653899			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		15.16			
Test Level UOM:		m			
Pump Test Detail ID:		1002653901			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		16.88			
Test Level UOM:		m			
<u>Water Details</u>					
Water ID:		1002653885			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1002653881			
Diameter:		15.86			
Depth From:		0			
Depth To:		6.4			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
Hole ID:		1002653882			
Diameter:		15.25			
Depth From:		6.4			
Depth To:		83.2			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Hole ID: 1002653883 Diameter: 14.75 Depth From: 83.2 Depth To: 86.86 Hole Depth UOM: m Hole Diameter UOM: cm					
8	1 of 1	N/188.7	114.9 / 3.00	lot 20 con 5 ON	WWIS
Well ID: 1515403 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: Clear/Cloudy:					
Data Entry Status: Data Src: 1 Date Received: 7/8/1976 Selected Flag: Yes Abandonment Rec: Contractor: 1558 Form Version: 1 Owner: Street Name: County: OTTAWA-CARLETON Municipality: NEPEAN TOWNSHIP Site Info: Lot: 020 Concession: 05 Concession Name: RF Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
<u>Bore Hole Information</u>					
Bore Hole ID: 10037351 DP2BR: 10 Spatial Status: Code OB: r Code OB Desc: Bedrock Open Hole: Cluster Kind: Date Completed: 24-JUN-76 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:					
Elevation: 115.45 Elevrc: Zone: 18 East83: 437129.7 Org CS: North83: 5013021 UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: p4					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID: 931029082 Layer: 2 Color: 2 General Color: GREY Mat1: 14 Most Common Material: HARDPAN Mat2: 79 Other Materials: PACKED Mat3: Other Materials:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:	5				
Formation End Depth:	10				
Formation End Depth UOM:	ft				
Formation ID:	931029081				
Layer:	1				
Color:	6				
General Color:	BROWN				
Mat1:	05				
Most Common Material:	CLAY				
Mat2:	12				
Other Materials:	STONES				
Mat3:					
Other Materials:					
Formation Top Depth:	0				
Formation End Depth:	5				
Formation End Depth UOM:	ft				
Formation ID:	931029083				
Layer:	3				
Color:	2				
General Color:	GREY				
Mat1:	15				
Most Common Material:	LIMESTONE				
Mat2:	85				
Other Materials:	SOFT				
Mat3:					
Other Materials:					
Formation Top Depth:	10				
Formation End Depth:	148				
Formation End Depth UOM:	ft				
<u>Method of Construction & Well Use</u>					
Method Construction ID:	961515403				
Method Construction Code:	5				
Method Construction:	Air Percussion				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	10585921				
Casing No:	1				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	930065931				
Layer:	1				
Material:	1				
Open Hole or Material:	STEEL				
Depth From:					
Depth To:	25				
Casing Diameter:	6				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
Casing ID:	930065932				
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:		148			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991515403			
Pump Set At:					
Static Level:		25			
Final Level After Pumping:		75			
Recommended Pump Depth:		85			
Pumping Rate:		6			
Flowing Rate:					
Recommended Pump Rate:		5			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		N			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934100884			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		75			
Test Level UOM:		ft			
Pump Test Detail ID:		934646823			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		75			
Test Level UOM:		ft			
Pump Test Detail ID:		934376529			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		75			
Test Level UOM:		ft			
Pump Test Detail ID:		934895531			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		75			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933471487			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		135			
Water Found Depth UOM:		ft			
Water ID:		933471486			
Layer:		1			
Kind Code:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Kind:		FRESH			
Water Found Depth:		40			
Water Found Depth UOM:		ft			
9	1 of 2	SE/215.7	109.8 / -2.08	ON	BORE
Borehole ID:		610494		Type:	Borehole
Use:				Status::	
Drill Method::				UTM Zone::	18
Easting::		437311		Northing::	5012542
Location Accuracy::				Orig. Ground Elev m::	112
Elev. Reliability Note::				DEM Ground Elev m::	111
Total Depth m::		42.7		Primary Name::	
Township::				Concession::	
Lot::				Municipality:	
Completion Date::		JAN-1960		Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:		218385737		Top Depth(m):	0.0
Bottom Depth(m):		13.7		Stratum Desc:	HARDPAN, GRAVEL.
Stratum ID:		218385738		Top Depth(m):	13.7
Bottom Depth(m):		42.7		Stratum Desc:	LIMESTONE. 00135Y, STONES. BROWN. HARDPAN, BOULDERS. GREY. LIMESTONE. GREY. 00156000.
9	2 of 2	SE/215.7	109.8 / -2.08	lot 19 con 4 ON	WWIS
Well ID:		1506089		Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:		Domestic		Date Received:	4/6/1960
Sec. Water Use:		0		Selected Flag:	Yes
Final Well Status:		Water Supply		Abandonment Rec:	
Water Type:				Contractor:	4825
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	NEPEAN TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	019
Well Depth:				Concession:	04
Overburden/Bedrock:				Concession Name:	RF
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID:		10028132		Elevation:	111.78
DP2BR:		45		Elevrc:	
Spatial Status:				Zone:	18
Code OB:		r		East83:	437310.8
Code OB Desc:		Bedrock		Org CS:	
Open Hole:				North83:	5012542
Cluster Kind:				UTMRC:	5
Date Completed:		11-JAN-60		UTMRC Desc:	margin of error : 100 m - 300 m

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:				Location Method:	p5
<u>Overburden and Bedrock</u> <u>Materials Interval</u>					
Formation ID:		931003769			
Layer:		1			
Color:					
General Color:					
Mat1:		14			
Most Common Material:		HARDPAN			
Mat2:		11			
Other Materials:		GRAVEL			
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		45			
Formation End Depth UOM:		ft			
Formation ID:		931003770			
Layer:		2			
Color:					
General Color:					
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		45			
Formation End Depth:		140			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u> <u>Use</u>					
Method Construction ID:		961506089			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10576702			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930049011			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		140			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
Casing ID:		930049010			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		48			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991506089			
Pump Set At:					
Static Level:		16			
Final Level After Pumping:		18			
Recommended Pump Depth:		80			
Pumping Rate:		10			
Flowing Rate:					
Recommended Pump Rate:		5			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		0			
Pumping Duration MIN:		30			
Flowing:		N			
<u>Water Details</u>					
Water ID:		933460166			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		135			
Water Found Depth UOM:		ft			

Unplottable Summary

Total: **36** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	TERRACE INVESTMENTS LTD.	MOODIE DR. MALLORN PAVILLION	NEPEAN CITY ON	
CA	City of Ottawa	Part of Lot 19/20, Concession 4 (RF)	Ottawa ON	
CA	R.M. OF OTTAWA-CARLETON-PT.LOTS 8-10/C-4	MOODIE DR./LANDFILL S.W.M.POND	NEPEAN CITY ON	
CA	Findlay Creek Properties Ltd. and 1374537 Ontario Limited	Lot 19, Concession 4 (RF)	Ottawa ON	
CA	Alottawata Inc.	Moodie Drive	Ottawa ON	
EBR	R.W. Tomlinson Limited	Moodie Drive Quarry Ottawa Ontario Lots 24 and 25, Concession V, Geographic City of Nepean Ottawa	ON	
FST	ALVIN DELL WELDING LTD	MOODIE DR S	NEPEAN ON	K2H 7V2
FSTH	ALVIN DELL WELDING LTD	MOODIE DR S	NEPEAN ON	
FSTH	ALVIN DELL WELDING LTD	MOODIE DR S	NEPEAN ON	
GEN	SET CONSTRUCTION LIMITED	R.R. #7 MOODIE DRIVE	NEPEAN ON	K2H 7V2
GEN	SET CONSTRUCTION LIMITED 34-517	R.R. #7 MOODIE DRIVE	NEPEAN ON	K2H 7V2
GEN	BURNSIDE SAND AND GRAVEL LIMITED	MOODIE DRIVE LOTS 12 & 13, CONCESSION 5	NEPEAN ON	
GEN	BURNSIDE SAND AND GRAVEL LIMITED	MOODIE DRIVE LOTS 12 & 13, CONCESSION 5	NEPEAN ON	
GEN	BURNSIDE SAND AND GRAVEL LIMITED	MOODIE DRIVE LOTS 12 & 13, CONCESSION 5	NEPEAN ON	
GEN	R.W. TOMLINSON LTD.	MOODIE DRIVE QUARRY, NEPEAN C/O 5597 POWER RD., RR#6	GLOUCESTER ON	K1G 3N4
GEN	BURNSIDE SAND AND GRAVEL LIMITED	MOODIE DRIVE LOTS 12 & 13, CONCESSION 5	NEPEAN ON	

GEN	BURNSIDE SAND AND GRAVEL LIMITED	MOODIE DRIVE LOTS 12 & 13, CONCESSION 5	NEPEAN ON	
PRT	ALVIN DELL WELDING LTD	MOODIE DR S	NEPEAN ON	K2H 9R4
PTTW	Findlay Creek Properties Ltd. and 1374537 Ontario Ltd.	Lots 19, 20, Concession 4 and Lot 20, Concession 5, Ottawa	ON	
PTTW	R.W. Tomlinson Limited	Moodie Drive Quarry Ottawa Ontario CITY OF OTTAWA	ON	
PTTW	R. W. Tomlinson	Lots 24 and 25, Concession V, Moodie Drive, Dewater quarry, Surface run-off. NEPEAN	ON	
SPL	OTTAWA-CARLETON TRANSIT	MOODIE BETWEEN QUEENSWAY AND CARLING AVE, CARLING E AND W TO CORKSTOWN ROAD	OTTAWA CITY ON	
SPL	Belanger Construction (1981) Inc.	on Hwy 11, 15 km West of Hwy 11 and Hwy 579, 15 km West of Cochrane	Ottaway ON	
SPL	SET CONSTRUCTION LTD.	RR #1 MOODIE DR.	NEPEAN	NEPEAN CITY ON
WWIS		lot 20 con 5	ON	
WWIS		lot 19 con 4	ON	
WWIS			OTTAWA ON	
WWIS		lot 20 con 4	ON	
WWIS		lot 20 con 5	ON	
WWIS		lot 20 con 4	ON	
WWIS		lot 19	ON	
WWIS		lot 20 con 5	ON	
WWIS		lot 20 con 5	ON	
WWIS		lot 20 con 5	ON	
WWIS		lot 20 con 5	ON	
WWIS		lot 20	ON	

Unplottable Report

Site: *TERRACE INVESTMENTS LTD.
MOODIE DR. MALLORN PAVILLION NEPEAN CITY ON*

Database:
CA

Certificate #: 3-2345-88-
Application Year: 88
Issue Date: 12/20/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: *City of Ottawa
Part of Lot 19/20, Concession 4 (RF) Ottawa ON*

Database:
CA

Certificate #: 0669-5RFN7J
Application Year: 2003
Issue Date: 11/10/2003
Approval Type: Municipal and Private Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: *R.M. OF OTTAWA-CARLETON-PT.LOTS 8-10/C-4
MOODIE DR./LANDFILL S.W.M.POND NEPEAN CITY ON*

Database:
CA

Certificate #: 3-0989-92-
Application Year: 92
Issue Date: 9/18/1992
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: *Findlay Creek Properties Ltd. and 1374537 Ontario Limited
Lot 19, Concession 4 (RF) Ottawa ON*

Database:
CA

Certificate #: 7588-664KZR

Application Year: 2004
Issue Date: 10/27/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: **Alottawata Inc.**
Moodie Drive Ottawa ON

Database:
CA

Certificate #: 9406-7GKKDQ
Application Year: 2008
Issue Date: 8/18/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: **R.W. Tomlinson Limited**
Moodie Drive Quarry Ottawa Ontario Lots 24 and 25, Concession V, Geographic City of Nepean Ottawa ON

Database:
EBR

EBR Registry No.: IA03E1356
Ministry Ref. No.: 2064-5QRKTB
Company Name: R.W. Tomlinson Limited
Notice Type: Instrument Decision
Notice Date: May 05, 2004
Proposal Date: September 18, 2003
Year: 2003
Proponent Address: 5597 Power Road, RR #6, Ottawa Ontario, K1G 3N4
Instrument Type: (OWRA s. 53(1)) - Approval for sewage works
Location Other:

Location:

Moodie Drive Quarry Ottawa Ontario Lots 24 and 25, Concession V, Geographic City of Nepean Ottawa

Site: **ALVIN DELL WELDING LTD**
MOODIE DR S NEPEAN ON K2H 7V2

Database:
FST

Instance No: 10870197
Cont Name:
Instance Type: FS Liquid Fuel Tank
Fuel Type: Gasoline
Status: Active
Capacity: 4546
Tank Material: Steel
Corrosion Protection: Impressed Current
Tank Type: Single Wall UST
Install Year: 1986
Parent Facility Type: Fuels Safety Private Fuel Outlet - Self Serve
Facility Type: FS Liquid Fuel Tank

Site: ALVIN DELL WELDING LTD
MOODIE DR S NEPEAN ON

Database:
FSTH

License Issue Date: 6/4/1990
Tank Status: Licensed
Tank Status As Of: December 2008
Operation Type: Private Fuel Outlet
Facility Type: Gasoline Station - Self Serve

--Details--

Status: Active
Year of Installation: 1986
Corrosion Protection:
Capacity: 4546
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Site: ALVIN DELL WELDING LTD
MOODIE DR S NEPEAN ON

Database:
FSTH

License Issue Date: 6/4/1990
Tank Status: Licensed
Tank Status As Of: August 2007
Operation Type: Private Fuel Outlet
Facility Type: Gasoline Station - Self Serve

--Details--

Status: Active
Year of Installation: 1986
Corrosion Protection:
Capacity: 4546
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Site: SET CONSTRUCTION LIMITED 34-517
R.R. #7 MOODIE DRIVE NEPEAN ON K2H 7V2

Database:
GEN

Generator No.:	ON1123200	PO Box No.:
Status:		Country:
Approval Years:	88,89	Choice of Contact:
Contam. Facility:		Co Admin:
MHSW Facility:		Phone No. Admin:
SIC Code:	0000	
SIC Description:	*** NOT DEFINED ***	

--Details--

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Site: SET CONSTRUCTION LIMITED 34-517
R.R. #7 MOODIE DRIVE NEPEAN ON K2H 7V2

Database:
GEN

Generator No.:	ON1123200	PO Box No.:
Status:		Country:
Approval Years:	92,93,94,95,96,97,98	Choice of Contact:
Contam. Facility:		Co Admin:
MHSW Facility:		Phone No. Admin:
SIC Code:	4122	
SIC Description:	WATERWORKS & SEWAGE	

--Details--

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Site: **BURNSIDE SAND AND GRAVEL LIMITED**
MOODIE DRIVE LOTS 12 & 13, CONCESSION 5 NEPEAN ON

Database:
GEN

Generator No.: ON0996300
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 232990
SIC Description:

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Site: **BURNSIDE SAND AND GRAVEL LIMITED**
MOODIE DRIVE LOTS 12 & 13, CONCESSION 5 NEPEAN ON

Database:
GEN

Generator No.: ON0996300
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 232990
SIC Description:

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Site: **BURNSIDE SAND AND GRAVEL LIMITED**
MOODIE DRIVE LOTS 12 & 13, CONCESSION 5 NEPEAN ON

Database:
GEN

Generator No.: ON0996300
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 232990
SIC Description:

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Site: **R.W. TOMLINSON LTD.**
MOODIE DRIVE QUARRY, NEPEAN C/O 5597 POWER RD., RR#6 GLOUCESTER ON K1G 3N4

Database:
GEN

Generator No.: ON0027601
Status:
Approval Years: 89,90
Contam. Facility:
MHSW Facility:
SIC Code: 4589
SIC Description: OTHER TRANS. IND.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Site: BURNSIDE SAND AND GRAVEL LIMITED
MOODIE DRIVE LOTS 12 & 13, CONCESSION 5 NEPEAN ON

Database:
GEN

Generator No.: ON0996300
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 232990
SIC Description:

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Site: BURNSIDE SAND AND GRAVEL LIMITED
MOODIE DRIVE LOTS 12 & 13, CONCESSION 5 NEPEAN ON

Database:
GEN

Generator No.: ON0996300
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 232990
SIC Description: ALL OTHER SPECIAL TRADE CONTRACTING

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

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

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Site: ALVIN DELL WELDING LTD
MOODIE DR S NEPEAN ON K2H 9R4

Database:
PRT

Location ID: 9633
Type: private
Expiry Date:
Capacity (L): 4546.00

Site: Findlay Creek Properties Ltd. and 1374537 Ontario Ltd.
Lots 19, 20, Concession 4 and Lot 20, Concession 5, Ottawa ON

Database:
[PTTW](#)

EBR Registry No.: IA06E1038
Ministry Ref. No.: 6114-6SQHA7
Notice Type: Instrument Final Decision
Notice Date: November 30, 2006
Proposal Date: August 17, 2006
Year: 2006
Proponent Address:
Instrument Type: (OWRA s. 34) - Permit to Take Water
Location: Lots 19, 20, Concession 4 and Lot 20, Concession 5, Ottawa
Location Other:

Site: R.W. Tomlinson Limited
Moodie Drive Quarry Ottawa Ontario CITY OF OTTAWA ON

Database:
[PTTW](#)

EBR Registry No.: IA05E1834
Ministry Ref. No.: 7167-6JMTPF
Notice Type: Instrument Decision
Notice Date: February 15, 2006
Proposal Date: December 01, 2005
Year: 2005
Proponent Address: 5597 Power Road, RR #6, Ottawa Ontario, K1G 3N4
Instrument Type: (OWRA s. 34) - Permit to Take Water
Location: Moodie Drive Quarry Ottawa Ontario CITY OF OTTAWA
Location Other:

Site: R. W. Tomlinson
Lots 24 and 25, Concession V, Moodie Drive, Dewater quarry, Surface run-off. NEPEAN ON

Database:
[PTTW](#)

EBR Registry No.: IA6E1412
Ministry Ref. No.: 27750
Notice Type: Instrument Decision
Notice Date: January 17, 2002
Proposal Date: September 17, 1996
Year: 1996
Proponent Address: 5597 Power Road, Gloucester Ontario, K1G 3N4
Instrument Type: (OWRA s. 34) - Permit to Take Water
Location: Lots 24 and 25, Concession V, Moodie Drive, Dewater quarry, Surface run-off. NEPEAN
Location Other:

Site: OTTAWA-CARLETON TRANSIT
MOODIE BETWEEN QUEENSWAY AND CARLING AVE, CARLING E AND W TO CORKSTOWN ROAD OTTAWA CITY ON

Database:
[SPL](#)

Ref No:	223236	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	3/13/2002	Client Type:	
Year:		Sector Type:	
Incident Cause:	PIPE/HOSE LEAK	Source Type:	
Incident Event:		Nearest Watercourse:	
Contaminant Code:		Site Name:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site County/District:	
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:		Site Region:	
Environment Impact:	POSSIBLE	Site Municipality:	20107
Nature of Impact:	Soil contamination	Site Lot:	

Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
Health/Env Conseq:		Easting:	
MOE Response:		Site Geo Ref Accu:	
Dt MOE Arvl on Scn:		Site Geo Ref Meth:	
MOE Reported Dt:	3/13/2002	Site Map Datum:	
Dt Document Closed:			
SAC Action Class:			
Incident Reason:	UNKNOWN		
Incident Summary:	O/C TRANSIT BUS: LOST COOLENT ONTO ROADS. SEWER-MATIC CLEANING UP.		

Site: **Belanger Construction (1981) Inc.**
on Hwy 11, 15 km West of Hwy 11 and Hwy 579, 15 km West of Cochrane Ottawa ON

Database:
SPL

Ref No:	0118-AA3H7U	Discharger Report:	
Site No:	NA	Material Group:	
Incident Dt:	2016/05/18	Client Type:	
Year:		Sector Type:	Miscellaneous Industrial
Incident Cause:		Source Type:	
Incident Event:	Leak/Break	Nearest Watercourse:	
Contaminant Code:	15	Site Name:	MTO Job Site # 39E-234<UNOFFICIAL>
Contaminant Name:	HYDRAULIC OIL	Site Address:	on Hwy 11, 15 km West of Hwy 11 and Hwy 579, 15 km West of Cochrane
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site County/District:	
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:	1 L	Site Region:	
Environment Impact:		Site Municipality:	Ottawa
Nature of Impact:		Site Lot:	
Receiving Medium:		Site Conc:	
Receiving Env:	Land	Northing:	
Health/Env Conseq:		Easting:	
MOE Response:	No	Site Geo Ref Accu:	
Dt MOE Arvl on Scn:		Site Geo Ref Meth:	
MOE Reported Dt:	2016/05/18	Site Map Datum:	
Dt Document Closed:	2016/06/27		
SAC Action Class:	Land Spills		
Incident Reason:	Equipment Failure		
Incident Summary:	Belanger Const: ~ 1L hydraulic oil to asphalt, clnd		

Site: **SET CONSTRUCTION LTD.**
RR #1 MOODIE DR. **NEPEAN NEPEAN CITY ON**

Database:
SPL

Ref No:	16524	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	3/30/1989	Client Type:	
Year:		Sector Type:	
Incident Cause:	UNKNOWN	Source Type:	
Incident Event:		Nearest Watercourse:	
Contaminant Code:		Site Name:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site County/District:	
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:		Site Region:	
Environment Impact:		Site Municipality:	20104
Nature of Impact:		Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
Health/Env Conseq:		Easting:	
MOE Response:		Site Geo Ref Accu:	
Dt MOE Arvl on Scn:		Site Geo Ref Meth:	
MOE Reported Dt:	3/30/1989	Site Map Datum:	
Dt Document Closed:			
SAC Action Class:			
Incident Reason:	UNKNOWN		

Incident Summary:

SET CONSTRUCTION- OIL SPILLED TO GROUND.

Site:

lot 20 con 5 ON

Database:
WWIS

Well ID: 1534312
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: 267010
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: 11/13/2003
Selected Flag: Yes
Abandonment Rec:
Contractor: 1558
Form Version: 2
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 020
Concession: 05
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11097362
DP2BR:
Spatial Status:
Code OB: _
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 07-OCT-03
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
Org CS:
North83:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Method of Construction & Well Use

Method Construction ID: 961534312
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 11101077
Casing No: 1
Comment:
Alt Name:

Site:

lot 19 con 4 ON

Database:
WWIS

Well ID: 1521009
Construction Date:

Data Entry Status:
Data Src: 1

Primary Water Use: Livestock
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: NA
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:

Date Received: 11/25/1986
Selected Flag: Yes
Abandonment Rec:
Contractor: 4875
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 019
Concession: 04
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10042850
DP2BR: 33
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 27-OCT-86
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
Org CS:
North83:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931046558
Layer: 1
Color: 2
General Color: GREY
Mat1: 34
Most Common Material: TILL
Mat2: 13
Other Materials: BOULDERS
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 33
Formation End Depth UOM: ft

Formation ID: 931046559
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 33
Formation End Depth: 93
Formation End Depth UOM: ft

Formation ID: 931046560
Layer: 3
Color: 1
General Color: WHITE
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 93
Formation End Depth: 125
Formation End Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933109302
Layer: 1
Plug From: 0
Plug To: 35
Plug Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961521009
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 10591420
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930074797
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 125
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Casing ID: 930074796
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 35
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991521009
Pump Set At:

Static Level: 5
Final Level After Pumping: 115
Recommended Pump Depth: 115
Pumping Rate: 12
Flowing Rate:
Recommended Pump Rate: 12
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934650563
Test Type: Draw Down
Test Duration: 45
Test Level: 115
Test Level UOM: ft

Pump Test Detail ID: 934389550
Test Type: Draw Down
Test Duration: 30
Test Level: 115
Test Level UOM: ft

Pump Test Detail ID: 934105311
Test Type: Draw Down
Test Duration: 15
Test Level: 115
Test Level UOM: ft

Pump Test Detail ID: 934907790
Test Type: Draw Down
Test Duration: 60
Test Level: 115
Test Level UOM: ft

Water Details

Water ID: 933478444
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 96
Water Found Depth UOM: ft

Water ID: 933478445
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 118
Water Found Depth UOM: ft

Site:
 OTTAWA ON

Database:
 WWIS

Well ID: 1536346
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status:
Water Type:

Data Entry Status:
Data Src:
Date Received: 5/9/2006
Selected Flag: Yes
Abandonment Rec:
Contractor: 6894

Casing Material:
Audit No: Z33673
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:

Form Version: 3
Owner:
Street Name: MOODIE DRIVE
County: RUSSELL
Municipality: RUSSELL TOWNSHIP
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11550412
DP2BR:
Spatial Status:
Code OB: —
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 25-JAN-06
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone:
East83:
Org CS:
North83:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933296944
Layer: 1
Plug From: 0
Plug To: 12.19
Plug Depth UOM: m

**Method of Construction & Well
Use**

Method Construction ID: 961536346
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 11560019
Casing No: 1
Comment:
Alt Name:

Hole Diameter

Hole ID: 11681114
Diameter: .24
Depth From: 0
Depth To: 15.24
Hole Depth UOM: m
Hole Diameter UOM: cm

Site:

lot 20 con 4 ON

Database:
WWIS

Well ID: 1536188
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status:
Water Type:
Casing Material:
Audit No: Z17661
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:
Date Received: 1/17/2006
Selected Flag: Yes
Abandonment Rec:
Contractor: 6907
Form Version: 3
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 020
Concession: 04
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11550254
DP2BR:
Spatial Status:
Code OB: u
Code OB Desc: all layers are unknown type
Open Hole:
Cluster Kind:
Date Completed: 22-DEC-05
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone:
East83:
Org CS:
North83:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock
Materials Interval

Formation ID: 933043020
Layer: 1
Color:
General Color:
Mat1:
Most Common Material:
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 80
Formation End Depth UOM: ft

Method of Construction & Well
Use

Method Construction ID: 961536188
Method Construction Code: B
Method Construction: Other Method

Other Method Construction:

Pipe Information

Pipe ID: 11559861
Casing No: 1
Comment:
Alt Name:

Results of Well Yield Testing

Pump Test ID: 11569337
Pump Set At: 75
Static Level: 12
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Site: lot 20 con 5 ON **Database:** WWIS

Well ID:	1536068	Data Entry Status:	
Construction Date:		Data Src:	
Primary Water Use:		Date Received:	12/1/2005
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:		Abandonment Rec:	
Water Type:		Contractor:	6907
Casing Material:		Form Version:	3
Audit No:	Z17657	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA-CARLETON
Elevation (m):		Municipality:	NEPEAN TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	020
Well Depth:		Concession:	05
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	11316607	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	
Code OB:	—	East83:	
Code OB Desc:	No formation data	Org CS:	
Open Hole:		North83:	
Cluster Kind:		UTMRC:	
Date Completed:	01-NOV-05	UTMRC Desc:	
Remarks:		Location Method:	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			

Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Method of Construction & Well Use

Method Construction ID: 961536068
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 11331462
Casing No: 1
Comment:
Alt Name:

Results of Well Yield Testing

Pump Test ID: 11345875
Pump Set At: 100
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: LPM
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Site:
lot 20 con 4 ON

Database:
WWIS

Well ID: 1534313
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Abandoned-Quality
Water Type:
Casing Material:
Audit No: 267002
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: 11/13/2003
Selected Flag: Yes
Abandonment Rec:
Contractor: 1558
Form Version: 2
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 020
Concession: 04
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11097363
Elevation:

DP2BR:
Spatial Status:
Code OB: —
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 18-SEP-03
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevrc:
Zone: 18
East83:
Org CS:
North83:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Method of Construction & Well Use

Method Construction ID: 961534313
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 11101078
Casing No: 1
Comment:
Alt Name:

Site:

lot 19 ON

Database:
WWIS

Well ID: 1525426
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status:
Water Type:
Casing Material:
Audit No: 100036
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: 6/18/1991
Selected Flag: Yes
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 019
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047164
DP2BR:
Spatial Status:
Code OB: —
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 10-APR-91
Remarks:
Elevrc Desc:

Elevation:
Elevrc:
Zone: 18
East83:
Org CS:
North83:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933111195
Layer: 1
Plug From: 0
Plug To: 100
Plug Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961525426
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 10595734
Casing No: 1
Comment:
Alt Name:

Site:
lot 20 con 5 ON

Database:
WWIS

Well ID: 1534311
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: 267008
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: 11/13/2003
Selected Flag: Yes
Abandonment Rec:
Contractor: 1558
Form Version: 2
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 020
Concession: 05
Concession Name: NI
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11097361
DP2BR:
Spatial Status:
Code OB: —
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 17-OCT-03
Remarks:

Elevation:
Elevrc:
Zone: 18
East83:
Org CS:
North83:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Method of Construction & Well Use

Method Construction ID: 961534311
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 11101076
Casing No: 1
Comment:
Alt Name:

Site:
lot 20 con 5 ON

Database:
WWIS

Well ID: 1534310
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Abandoned-Quality
Water Type:
Casing Material:
Audit No: 267003
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: 11/13/2003
Selected Flag: Yes
Abandonment Rec:
Contractor: 1558
Form Version: 2
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 020
Concession: 05
Concession Name: NI
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11097360
DP2BR:
Spatial Status:
Code OB: —
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 19-SEP-03
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
Org CS:
North83:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Method of Construction & Well

Use

Method Construction ID: 961534310
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 11101075
Casing No: 1
Comment:
Alt Name:

Site: lot 20 con 5 ON **Database:** WWIS

Well ID:	1534309	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Not Used	Date Received:	11/13/2003
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Abandoned-Other	Abandonment Rec:	
Water Type:		Contractor:	1558
Casing Material:		Form Version:	2
Audit No:	267011	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA-CARLETON
Elevation (m):		Municipality:	NEPEAN TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	020
Well Depth:		Concession:	05
Overburden/Bedrock:		Concession Name:	NI
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	11097359	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:	—	East83:	
Code OB Desc:	No formation data	Org CS:	
Open Hole:		North83:	
Cluster Kind:		UTMRC:	9
Date Completed:	07-OCT-03	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Method of Construction & Well

Use

Method Construction ID: 961534309
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 11101074
Casing No: 1
Comment:
Alt Name:

Site:
lot 20 con 5 ON

Database:
WWIS

Well ID: 1534308
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: 267009
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: 11/13/2003
Selected Flag: Yes
Abandonment Rec:
Contractor: 1558
Form Version: 2
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 020
Concession: 05
Concession Name: NI
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11097358
DP2BR:
Spatial Status:
Code OB: -
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 07-OCT-03
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
Org CS:
North83:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Method of Construction & Well Use

Method Construction ID: 961534308
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 11101073
Casing No: 1
Comment:
Alt Name:

Site:
lot 20 ON

Database:
WWIS

Well ID: 1527942
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status:
Water Type:
Casing Material:
Audit No: 139317
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: 6/9/1994
Selected Flag: Yes
Abandonment Rec:
Contractor: 3142
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 020
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049484
DP2BR: 16
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 03-JUN-94
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
Org CS:
North83:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock **Materials Interval**

Formation ID: 931068041
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 16
Formation End Depth: 70
Formation End Depth UOM: ft

Formation ID: 931068040
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 13
Other Materials: BOULDERS
Mat3: 79
Other Materials: PACKED

Formation Top Depth: 0
Formation End Depth: 16
Formation End Depth UOM: ft

Formation ID: 931068042
Layer: 3
Color: 8
General Color: BLACK
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 70
Formation End Depth: 97
Formation End Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933112804
Layer: 1
Plug From: 0
Plug To: 21
Plug Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961527942
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 10598054
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930086442
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

Casing ID: 930086443
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 97
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991527942
Pump Set At:
Static Level: 4
Final Level After Pumping: 60
Recommended Pump Depth: 80
Pumping Rate: 25
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: N

Draw Down & Recovery

Pump Test Detail ID: 934111811
Test Type:
Test Duration: 15
Test Level: 60
Test Level UOM: ft

Pump Test Detail ID: 934386620
Test Type:
Test Duration: 30
Test Level: 60
Test Level UOM: ft

Pump Test Detail ID: 934904319
Test Type:
Test Duration: 60
Test Level: 60
Test Level UOM: ft

Pump Test Detail ID: 934655949
Test Type:
Test Duration: 45
Test Level: 60
Test Level UOM: ft

Water Details

Water ID: 933487483
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 93
Water Found Depth UOM: ft

Water ID: 933487482
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 84
Water Found Depth UOM: ft

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 2017

Abandoned Mine Information System:

Provincial [AMIS](#)

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

Government Publication Date: 1800-Nov 2016

Anderson's Waste Disposal Sites:

Private [ANDR](#)

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Automobile Wrecking & Supplies:

Private [AUWR](#)

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Government Publication Date: 1999-Jan 31, 2018

Borehole:

Provincial [BORE](#)

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

Government Publication Date: 1875-Jul 2014

Certificates of Approval:

Provincial [CA](#)

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

Government Publication Date: 1985-Oct 30, 2011*

Commercial Fuel Oil Tanks:

Provincial

CFOT

Since May 2002, Ontario developed a new act where it became mandatory for fuel oil tanks to be registered with Technical Standards & Safety Authority (TSSA). This data would include all commercial underground fuel oil tanks in Ontario with fields such as location, registration number, tank material, age of tank and tank size.

Government Publication Date: Feb 28, 2017

Chemical Register:

Private

CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: 1999-Jan 31, 2018

Compressed Natural Gas Stations:

Private

CNG

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

Government Publication Date: Dec 31, 2012

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial

COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial

CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Nov 2017

Certificates of Property Use:

Provincial

CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

Government Publication Date: 1994-Feb 28, 2018

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-Nov 30, 2017

Dry Cleaning Facilities:

Federal

DRYCLEANERS

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.

Government Publication Date: Jan 2004-Dec 2016

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-Apr 30, 2018

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-Feb 28, 2018

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-Apr 30, 2018

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-Feb 28, 2018

Environmental Issues Inventory System:

Federal

[EIIS](#)

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial

[EMHE](#)

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

Government Publication Date: Dec 31, 2016

List of TSSA Expired Facilities:

Provincial

[EXP](#)

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

Government Publication Date: Feb 28, 2017

Federal Convictions:

Federal

[FCON](#)

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal

[FCS](#)

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

Government Publication Date: Jun 2000-Mar 2018

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 2017

Fuel Storage Tank:

Provincial

[FST](#)

The Technical Standards & Safety Authority (TSSA), under the Technical Standards & Safety Act of 2000 maintains a database of registered private and retail fuel storage tanks in Ontario with fields such as location, tank status, license date, tank type, tank capacity, fuel type, installation year and facility type.

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic:

Provincial

[FSTH](#)

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

[GEN](#)

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

Government Publication Date: 1986-December 31, 2017

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 2016

TSSA Historic Incidents:

Provincial

[HINC](#)

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

[IAFT](#)

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

Government Publication Date: 1950-Aug 2003*

TSSA Incidents:

Provincial

INC

TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario:

Provincial

LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills will include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Dec 31, 2013

Canadian Mine Locations:

Private

MINE

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

Government Publication Date: 1998-2009*

Environmental Penalty Annual Report:

Provincial

MISA PENALTY

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, 2017

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 2018

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, 2016

National Defense & Canadian Forces Fuel Tanks:

Federal

NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

NDSP

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

Government Publication Date: Mar 1999-Aug 2010

National Defence & Canadian Forces Waste Disposal Sites:

Federal

NDWD

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal

NEBI

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

Government Publication Date: 2008-Mar 31, 2018

National Energy Board Wells:

Federal

NEBW

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

Government Publication Date: 1974-2003*

National PCB Inventory:

Federal

NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal

NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

Private

OGW

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-December 31, 2017

Ontario Oil and Gas Wells:

Provincial

OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSRL Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Oct 2017

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-Feb 28, 2018

Canadian Pulp and Paper:

Private

PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009

Parks Canada Fuel Storage Tanks:

Federal

PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial

PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: 1988-Mar 2018

TSSA Pipeline Incidents:

Provincial

PINC

TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks:

Provincial

PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial

PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994-Feb 28, 2018

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-Nov 2017

Retail Fuel Storage Tanks:

Private

[RST](#)

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

Government Publication Date: 1999-Jan 31, 2018

Scott's Manufacturing Directory:

Private

[SCT](#)

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial

[SPL](#)

This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Government Publication Date: 1988-Feb 2018

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, 2016

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 2017

TSSA Variances for Abandonment of Underground Storage Tanks:

Provincial

[VAR](#)

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

Government Publication Date: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory:

Provincial

[WDS](#)

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Oct 2011-Apr 30, 2018

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: Dec 31, 2017

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

City Directory

City Directory Information Source

Vernon's Ottawa & Area, Ontario City Directory

PROJECT NUMBER: 20180604043	
Site Address:	2800 Moodie Drive, Ottawa (Nepean), Ontario
Year: 2011	
Site Listing:	-Address Not Listed
Adjacent Properties:	
2726 Moodie Drive	-Address Not Listed
2760 Moodie Drive	-Res (1 Tenant) -Site Preparation
2775 Moodie Drive	-Address Not Listed
2782 Moodie Drive	-Res (1 Tenant)

2809 Moodie Drive	-Res (1 Tenant)
2831 Moodie Drive	-Res (1 Tenant)
2857 Moodie Drive	-Address Not Listed
2885 Moodie Drive	-Address Not Listed
2739 Steeple Hill Crescent	-Address Not Listed
4564 Fallowfield Drive	-MacEwan Petroleum Inc. -Teloip Inc.

PROJECT NUMBER: 20180604043	
Site Address:	2800 Moodie Drive, Ottawa (Nepean), Ontario
Year: 2006-07	
Site Listing:	-Address Not Listed
Adjacent Properties:	
2726 Moodie Drive	-Address Not Listed
2760 Moodie Drive	-Res (1 Tenant) -Site Preparation

	-HER Excavating & Grading Inc.
2775 Moodie Drive	-Address Not Listed
2782 Moodie Drive	-Res (1 Tenant)
2809 Moodie Drive	-Res (1 Tenant)
2831 Moodie Drive	-Res (1 Tenant)
2857 Moodie Drive	-Address Not Listed
2885 Moodie Drive	-Address Not Listed
2739 Steeple Hill Crescent	-Res (1 Tenant)
4564 Fallowfield Drive	-Address Not Listed

PROJECT NUMBER: 20180604043	
Site Address:	2800 Moodie Drive, Ottawa (Nepean), Ontario
Year: 2001-02	
Site Listing:	-Address Not Listed
Adjacent Properties:	

2726 Moodie Drive	-Address Not Listed
2760 Moodie Drive	-Res (1 Tenant) -Site Preparation
2775 Moodie Drive	-Address Not Listed
2782 Moodie Drive	-Res (1 Tenant)
2809 Moodie Drive	-Res (1 Tenant)
2831 Moodie Drive	-Res (1 Tenant)
2857 Moodie Drive	-Address Not Listed
2885 Moodie Drive	-Address Not Listed
2739 Steeple Hill Crescent	-Address Not Listed
4564 Fallowfield Drive	-Address Not Listed

PROJECT NUMBER: 20180604043	
Site Address:	2800 Moodie Drive, Ottawa (Nepean), Ontario
Year: 1996-97	

Site Listing:	-Address Not Listed
Adjacent Properties:	
2726 Moodie Drive	-Address Not Listed
2760 Moodie Drive	-Res (1 Tenant) -Set Construction
2775 Moodie Drive	-Address Not Listed
2782 Moodie Drive	-Address Not Listed
2809 Moodie Drive	-Res (1 Tenant)
2831 Moodie Drive	-Res (1 Tenant)
2857 Moodie Drive	-Address Not Listed
2885 Moodie Drive	-Address Not Listed
2739 Steeple Hill Crescent	-Address Not Listed
4564 Fallowfield Drive	-Address Not Listed

PROJECT NUMBER: 20180604043	
Site Address:	2800 Moodie Drive, Ottawa (Nepean), Ontario
Year: 1992	
Site Listing:	-Address Not Listed
Adjacent Properties:	
2726 Moodie Drive	-Address Not Listed
2760 Moodie Drive	-Address Not Listed
2775 Moodie Drive	-Address Not Listed
2782 Moodie Drive	-Address Not Listed
2809 Moodie Drive	-Address Not Listed
2831 Moodie Drive	-Res (1 Tenant)
2857 Moodie Drive	-Address Not Listed
2885 Moodie Drive	-Address Not Listed
2739 Steeple Hill Crescent	-Address Not Listed

4564 Fallowfield Drive	-Address Not Listed
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PROJECT NUMBER: 20180604043	
Site Address:	2800 Moodie Drive, Ottawa (Nepean), Ontario
Year: 1987	
Site Listing:	-Address Not Listed
Adjacent Properties:	
2726 Moodie Drive	-Address Not Listed
2760 Moodie Drive	-Address Not Listed
2775 Moodie Drive	-Address Not Listed
2782 Moodie Drive	-Address Not Listed
2809 Moodie Drive	-Address Not Listed
2831 Moodie Drive	-Address Not Listed
2857 Moodie Drive	-Address Not Listed
2885 Moodie Drive	-Address Not Listed

2739 Steeple Hill Crescent	-Address Not Listed
4564 Fallowfield Drive	-Address Not Listed

PROJECT NUMBER: 20180604043	
Site Address:	2800 Moodie Drive, Ottawa (Nepean), Ontario
Year: 1981-82	
Site Listing:	-Address Not Listed
Adjacent Properties:	
2726 Moodie Drive	-Address Not Listed
2760 Moodie Drive	-Address Not Listed
2775 Moodie Drive	-Address Not Listed
2782 Moodie Drive	-Address Not Listed
2809 Moodie Drive	-Address Not Listed
2831 Moodie Drive	-Address Not Listed

2857 Moodie Drive	-Address Not Listed
2885 Moodie Drive	-Address Not Listed
2739 Steeple Hill Crescent	-Address Not Listed
4564 Fallowfield Drive	-Address Not Listed

PROJECT NUMBER: 20180604043	
Site Address:	2800 Moodie Drive, Ottawa (Nepean), Ontario
Year: 1976	
Site Listing:	-Address Not Listed
Adjacent Properties:	
2726 Moodie Drive	-Address Not Listed
2760 Moodie Drive	-Address Not Listed
2775 Moodie Drive	-Address Not Listed
2782 Moodie Drive	-Address Not Listed
2809 Moodie Drive	-Address Not Listed

2831 Moodie Drive	-Address Not Listed
2857 Moodie Drive	-Address Not Listed
2885 Moodie Drive	-Address Not Listed
2739 Steeple Hill Crescent	-Address Not Listed
4564 Fallowfield Drive	-Address Not Listed

PROJECT NUMBER: 20180604043	
Site Address:	2800 Moodie Drive, Ottawa (Nepean), Ontario
Year: 1971	
Site Listing:	-Address Not Listed
Adjacent Properties:	
2726 Moodie Drive	-Address Not Listed
2760 Moodie Drive	-Address Not Listed
2775 Moodie Drive	-Address Not Listed

2782 Moodie Drive	-Address Not Listed
2809 Moodie Drive	-Address Not Listed
2831 Moodie Drive	-Address Not Listed
2857 Moodie Drive	-Address Not Listed
2885 Moodie Drive	-Address Not Listed
2739 Steeple Hill Crescent	-Address Not Listed
4564 Fallowfield Drive	-Address Not Listed

PROJECT NUMBER: 20180604043	
Site Address:	2800 Moodie Drive, Ottawa (Nepean), Ontario
Year: 1966	
Site Listing:	-Address Not Listed
Adjacent Properties:	
2726 Moodie Drive	-Address Not Listed
2760 Moodie Drive	-Address Not Listed

2775 Moodie Drive	-Address Not Listed
2782 Moodie Drive	-Address Not Listed
2809 Moodie Drive	-Address Not Listed
2831 Moodie Drive	-Address Not Listed
2857 Moodie Drive	-Address Not Listed
2885 Moodie Drive	-Address Not Listed
2739 Steeple Hill Crescent	-Address Not Listed
4564 Fallowfield Drive	-Address Not Listed

PROJECT NUMBER: 20180604043	
Site Address:	2800 Moodie Drive, Ottawa (Nepean), Ontario
Year: 1961	
Site Listing:	-Address Not Listed
Adjacent Properties:	

2726 Moodie Drive	-Address Not Listed
2760 Moodie Drive	-Address Not Listed
2775 Moodie Drive	-Address Not Listed
2782 Moodie Drive	-Address Not Listed
2809 Moodie Drive	-Address Not Listed
2831 Moodie Drive	-Address Not Listed
2857 Moodie Drive	-Address Not Listed
2885 Moodie Drive	-Address Not Listed
2739 Steeple Hill Crescent	-Address Not Listed
4564 Fallowfield Drive	-Address Not Listed

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

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



APPENDIX E

Technical Standards and Safety Authority

Nicole Soucy

From: Public Information Services <publicinformationsservices@tssa.org>
Sent: Monday, June 4, 2018 6:25 PM
To: Nicole Soucy
Subject: RE: Tank and Record search for 64153.89 - Records Found

Records Found

Hello,

Thank you for your request for confirmation of public information.

- We confirm that there are **fuel storage tanks records** in our database at the subject address(es).

Inst Number	Context	Address	City	Province	Postal Code	Status
10474843	FS Highway Tank - Gas/Diesel	2809 MOODIE DR	NEPEAN	ON	K2J 4S6	EXPIRED

Inst Number	Context	Address	City	Province	Postal Code	Status
41311756	FS CYLINDER EXCHANGE	4564 FALLOWFIELD RD	OTTAWA	ON	K2J 4S2	Active
10370438	FS GASOLINE STATION - CARD/KEYLOCK	4564 FALLOWFIELD RD	OTTAWA	ON	K2J 4S2	Active
64476357	FS Liquid Fuel Tank	4564 FALLOWFIELD RD	OTTAWA	ON	K2J 4S2	Active
64713721	FS Liquid Fuel Tank	4564 FALLOWFIELD RD	OTTAWA	ON	K2J 4S2	Active
64713724	FS Liquid Fuel Tank	4564 FALLOWFIELD RD	OTTAWA	ON	K2J 4S2	Active
64713722	FS Liquid Fuel Tank	4564 FALLOWFIELD RD	OTTAWA	ON	K2J 4S2	Active
64713723	FS Liquid Fuel Tank	4564 FALLOWFIELD RD	OTTAWA	ON	K2J 4S2	Active
9693799	FS GASOLINE STATION - FULL SERVE	4564 FALLOWFIELD RD	OTTAWA	ON	K2J 4S2	EXPIRED
10195183	FS GASOLINE STATION - SELF SERVE	4564 FALLOWFIELD RD	OTTAWA	ON	K2J 4S2	EXPIRED
11504608	FS Liquid Fuel Tank	4564 FALLOWFIELD RD	OTTAWA	ON	K2J 4S2	EXPIRED
11525391	FS Liquid Fuel Tank	4564 FALLOWFIELD RD	OTTAWA	ON	K2J 4S2	EXPIRED
11525411	FS Liquid Fuel Tank	4564 FALLOWFIELD RD	OTTAWA	ON	K2J 4S2	EXPIRED
9621288	FS PROPANE REFILL CNTR - CYLR FILL	4564 FALLOWFIELD RD	OTTAWA	ON	K2J 4S2	EXPIRED
11490707	FS Propane Tank	4564 FALLOWFIELD RD	OTTAWA	ON	K2J 4S2	EXPIRED
11578043	FS Propane Tank	4564 FALLOWFIELD RD	OTTAWA	ON	K2J 4S2	EXPIRED
64476356	FS Liquid Fuel Tank	4564 FALLOWFIELD RD	OTTAWA	ON	K2J 4S2	Inactive
11525433	FS Liquid Fuel Tank	4564 FALLOWFIELD RD	OTTAWA	ON	K2J 4S2	Inactive
10869127	FS Liquid Fuel Tank	4564 FALLOWFIELD RD	OTTAWA	ON	K2J 4S2	Inactive
10869150	FS Liquid Fuel Tank	4564 FALLOWFIELD RD	OTTAWA	ON	K2J 4S2	Inactive

10869169	FS Liquid Fuel Tank	4564 FALLOWFIELD RD	OTTAWA	ON	K2J 4S2	Inactive
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For copies of documents, please complete the Release of Public Information form, found at <https://www.tssa.org/en/about-tssa/resources/Release-of-Records-form--Jan-2018Final.pdf> and email the completed form to publicinformationsservices@tssa.org or through mail along with the appropriate fee. TSSA's fee schedule can be found at: https://www.tssa.org/en/about-tssa/resources/Documents/Public-Information-Fee-Schedule_Jan_2018.pdf. Fees are payable with a credit card (Visa or MasterCard) or by a cheque made payable to TSSA.

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

Kind regards,

Connie

From: Nicole Soucy <nicole.soucy@gemtec.ca>
Sent: June 4, 2018 10:47 AM
To: Public Information Services <publicinformationsservices@tssa.org>
Subject: Tank and Record search for 64153.89

Hello,

Can you please complete a search for the following addresses in Ottawa, Ontario (Formerly Nepean):

- 2800, 2760, 2809, 2831, 2775, 2726, 2782, 2857, and 2885 Moodie Drive;
- 4564 Fallowfield Drive; and,
- 2739 Steeple Hill Crescent.

Thanks,

Nicole



GEMTEC
CONSULTING ENGINEERS
AND SCIENTISTS

Nicole Soucy, B.A.Sc., M.A.Sc.
Environmental Scientist
Ottawa, ON
tel: 613.836.1422 x265 / toll-free: 1.877.243.6832
mobile: 613.929.5630 / fax: 613.836.9731

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APPENDIX F

City of Ottawa HLUI



File Number: D06-03-18-0017

July 5, 2018

Nicole Soucy
32 Steacie Drive
Ottawa, Ontario

Sent via email [nicole.soucy@gemtec.ca]

Dear Ms. Soucy,

**Re: Information Request
2800 Moodie Drive Ottawa, Ontario (“Subject Property”)**

Internal Department Circulation

The Planning, Infrastructure and Economic Development Department has the following information in response to your request for information regarding the Subject Property:

- Environmental screening identified historic land uses on and/or within 250 metres of the subject parcel that may have the potential for environmental contamination issues.

Search of Historical Land Use Inventory

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

A search of the HLUI database revealed the following information:

- There are no activities associated with the Subject Property.

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

- There is one activity associated with properties located within 50m of the Subject Property: Activity Numbers 12906, 432 and 6716.

*Shaping our future together
Ensemble, formons notre avenir*

City of Ottawa
Planning, Infrastructure and Economic
Development Department

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

Ville d'Ottawa
Services de la planification, de l'infrastructure et
du développement économique

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

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

Additional information may be obtained by contacting:

Ontario's Environmental Registry

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

The Ontario Land Registry Office

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

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

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

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

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

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

Sincerely,

A handwritten signature in dark ink, appearing to read 'Melanie Vivian', with a stylized, cursive script.

Melanie Vivian

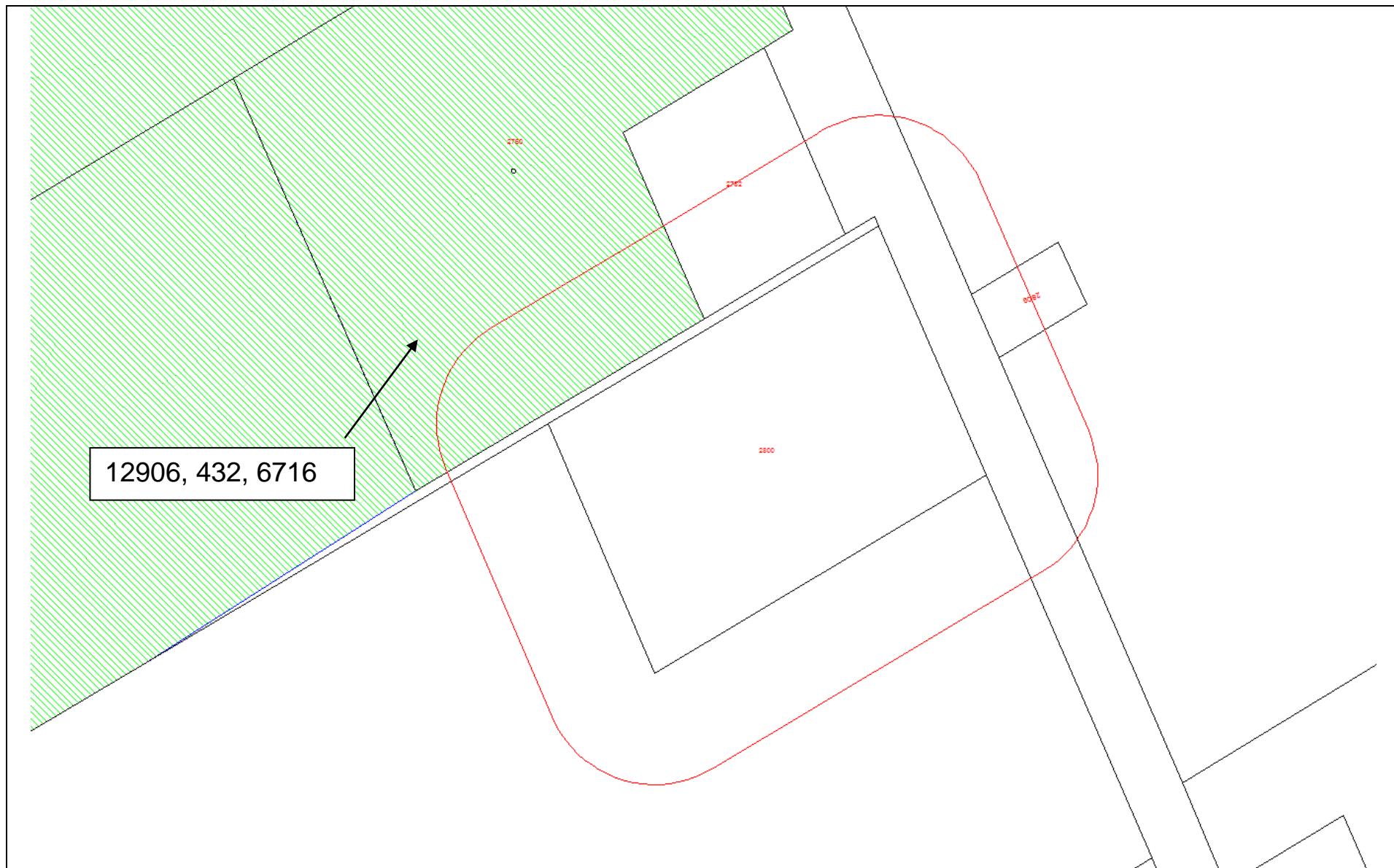
Per:



Michael Boughton, MCIP, RPP
Senior Planner
Development Review East
Planning Services
Planning, Infrastructure and Economic Development Department

MB/ MV

Attach: 2

cc: File no. D06-03-18-0017



<p>Scale 1: n/a</p>	<p>2800 Moodie Drive Ottawa, ON File # D06-03-18-0017 Melanie Vivian</p> 	<p><u>Overview</u></p> <p>ID# = Activity Identification Number</p> <p> = Subject Site</p>
---------------------	--	--



CITY OF OTTAWA

HLUI ID: __679B22

AREA (Square Metres): 40387.084

Report: RPTC_OT_DEV0122

Run On: 04 Jul 2018 at: 15:54:10

Study Year
2005

PIN
045940058

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 12906 **Multiple PINS:** N

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

Related PINS: 045940058

Name: SITE PREPARATION LIMITED

Address: 2760 MOODIE DRIVE, NEPEAN

Facility Type: Site Work

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
238910	0
238990	0

Company Name

SITE PREPARATION LIMITED

Year of Operation

c. 2001



CITY OF OTTAWA
HLUI ID: __679B22
AREA (Square Metres): 40387.084

Report: RPTC_OT_DEV0122

Run On: 04 Jul 2018 at: 15:54:10

Study Year
2005

PIN
045940058

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 432 **Multiple PINS:** N

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

Related PINS: 045940058

Name: 888342 ONTARIO INC.

Address: 2760 MOODIE DRIVE, RICHMOND

Facility Type: Site Work

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
238910	0
238990	0

Company Name

888342 ONTARIO INC.

Year of Operation

c. 2001



CITY OF OTTAWA
HLUI ID: __679B22
AREA (Square Metres): 40387.084

Report: RPTC_OT_DEV0122

Run On: 04 Jul 2018 at: 15:54:10

Study Year
2005

PIN
045940058

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 6716 **Multiple PINS:** N

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

Related PINS: 045940058

Name: HER EXCAVATING & GRADING INC.

Address: 2760 MOODIE DRIVE,

Facility Type: Non Residential Building and Development

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
237990	0

Company Name

HER EXCAVATING & GRADING INC.

Year of Operation

c. 2005



APPENDIX G

Aerial Photographs



GEMTEC

CONSULTING ENGINEERS
AND SCIENTISTS

32 Steacie Drive, Ottawa, ON K2K 2A9
T: (613) 836-1422 | www.gemtec.ca | ottawa@gemtec.ca

AERIAL PHOTOGRAPH
1945

Project

PHASE ONE ESA
2800 MOODIE DRIVE, OTTAWA, ONTARIO

Project No.

64153.89

FIGURE G1



GEMTEC

CONSULTING ENGINEERS
AND SCIENTISTS

32 Steacie Drive, Ottawa, ON K2K 2A9
T: (613) 836-1422 | www.gemtec.ca | ottawa@gemtec.ca

AERIAL PHOTOGRAPH
1958

Project

PHASE ONE ESA
2800 MOODIE DRIVE, OTTAWA, ONTARIO

Project No.

64153.89

FIGURE G2



GEMTEC

CONSULTING ENGINEERS
AND SCIENTISTS

32 Steacie Drive, Ottawa, ON K2K 2A9
T: (613) 836-1422 | www.gemtec.ca | ottawa@gemtec.ca

AERIAL PHOTOGRAPH
1968

Project

PHASE ONE ESA
2800 MOODIE DRIVE, OTTAWA, ONTARIO

Project No.

64153.89

FIGURE G3



GEMTEC

CONSULTING ENGINEERS
AND SCIENTISTS

32 Steacie Drive, Ottawa, ON K2K 2A9
T: (613) 836-1422 | www.gemtec.ca | ottawa@gemtec.ca

AERIAL PHOTOGRAPH
1978

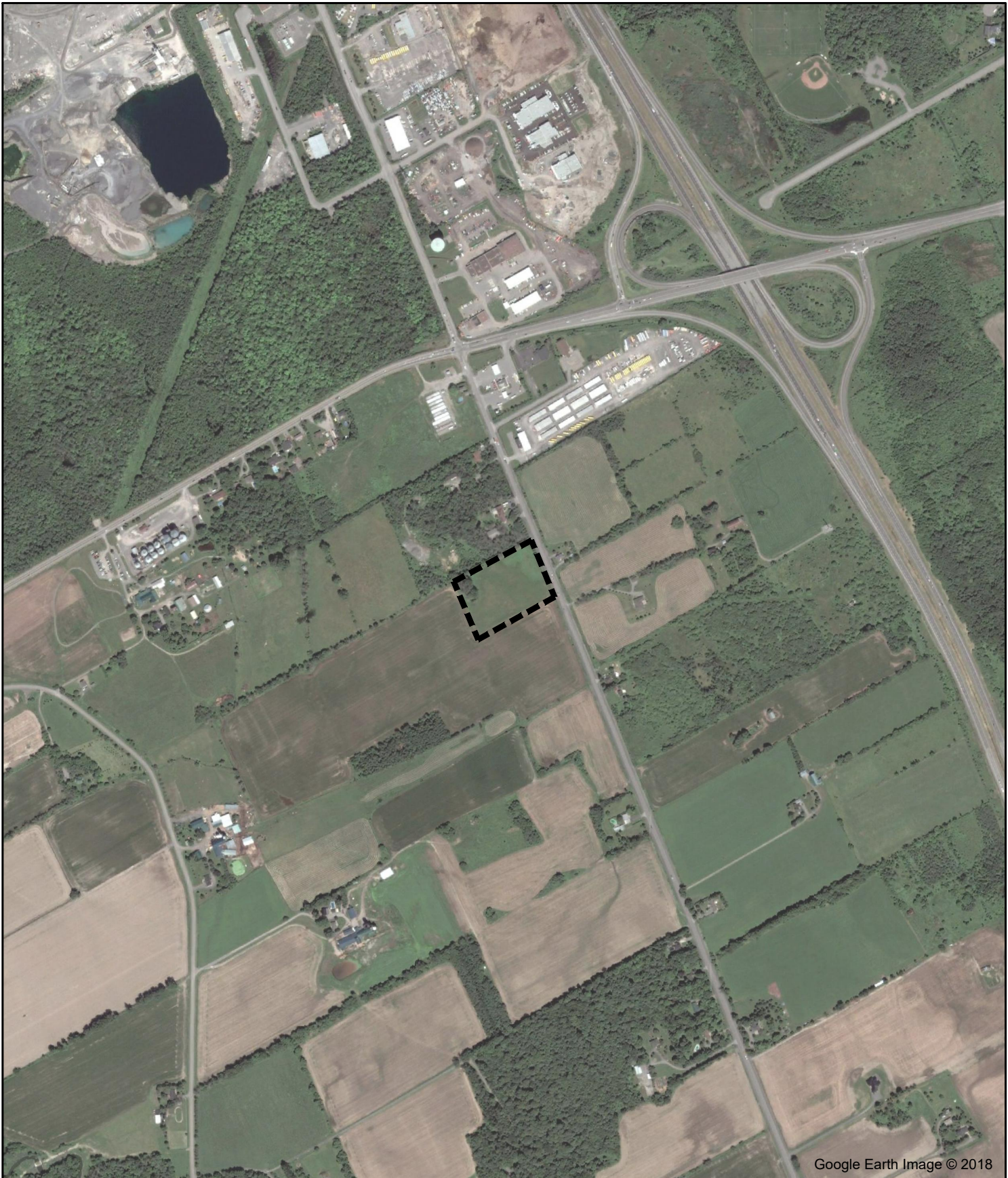
Project

PHASE ONE ESA
2800 MOODIE DRIVE, OTTAWA, ONTARIO

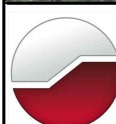
Project No.

64153.89

FIGURE G4



Google Earth Image © 2018

 <div>GEMTEC CONSULTING ENGINEERS AND SCIENTISTS 32 Steacie Drive, Ottawa, ON K2K 2A9 T: (613) 836-1422 www.gemtec.ca ottawa@gemtec.ca</div>	AERIAL PHOTOGRAPH 2017		
Project		PHASE ONE ESA 2800 MOODIE DRIVE, OTTAWA, ONTARIO	Project No. 64153.89
			FIGURE G5



APPENDIX H

Well Records

Well Records

Appendix H

Well ID	Date of Completion	Well Depth (m)	Water Level (m)	Depth to bedrock (m)	Type	Overburden Statigraphy	Bedrock
1506089	1/11/1960	42.7	4.9	13.7	Domestic	Hardpan and Gravel	Limestone
1506091	3/27/1958	39.0	6.1	2.4	Domestic	Hardpan	Limestone
1515403	6/24/1976	45.1	7.6	3.0	Domestic	Clay and Hardpan	Limestone
1535533	5/9/2005	19.2	8.3	9.4	Domestic	Sand, gravel	Shale Limestone
7127119	6/25/2009	86.9	7.5	2.4	Domestic	Soil	Limestone



APPENDIX I

Site Photographs



GEMTEC

CONSULTING ENGINEERS
AND SCIENTISTS

32 Steacie Drive, Ottawa, ON K2K 2A9
T: (613) 836-1422 | www.gemtec.ca | ottawa@gemtec.ca

OVERVIEW OF THE SUBJECT PROPERTY AT 2800 MOODIE DRIVE

Project	PHASE ONE ESA 2800 MOODIE DRIVE, OTTAWA, ONTARIO	Project No. 64153.89	FIGURE I1
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GEMTEC

CONSULTING ENGINEERS
AND SCIENTISTS

32 Steacie Drive, Ottawa, ON K2K 2A9
T: (613) 836-1422 | www.gemtec.ca | ottawa@gemtec.ca

BARBED WIRE FENCE ON THE WEST AND EAST
SIDE OF THE SUBJECT PROPERTY

Project

PHASE ONE ESA
2800 MOODIE DRIVE, OTTAWA, ONTARIO

Project No.

64153.89

FIGURE I2



GEMTEC

CONSULTING ENGINEERS
AND SCIENTISTS

32 Steacie Drive, Ottawa, ON K2K 2A9
T: (613) 836-1422 | www.gemtec.ca | ottawa@gemtec.ca

MUNICIPAL SERVICES WITHIN THE STUDY AREA

Project

PHASE ONE ESA
2800 MOODIE DRIVE, OTTAWA, ONTARIO

Project No.

64153.89

FIGURE I3



GEMTEC

CONSULTING ENGINEERS
AND SCIENTISTS

32 Steacie Drive, Ottawa, ON K2K 2A9
T: (613) 836-1422 | www.gemtec.ca | ottawa@gemtec.ca

POTENTIALLY CONTAMINATING BUSINESS IN THE STUDY AREA
(MACEWAN PETROLEUM)

Project

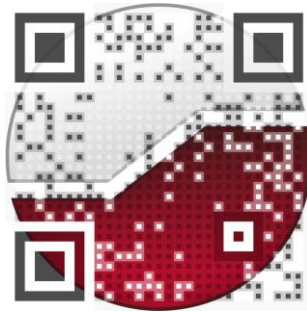
PHASE ONE ESA
2800 MOODIE DRIVE, OTTAWA, ONTARIO

Project No.

64153.89

FIGURE I4

experience • knowledge • integrity



civil
geotechnical
environmental
field services
materials testing

civil
géotechnique
environnementale
surveillance de chantier
service de laboratoire des matériaux

expérience • connaissance • intégrité

