DIGRAM DEVELOPMENTS OAKVILLE INC.

3380 SIXTH LINE, OAKVILLE, ONTARIO

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

JANUARY 22, 2020

3380 SIXTH LINE, OAKVILLE, ONTARIO

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

DIGRAM DEVELOPMENTS OAKVILLE INC.

PROJECT NO.: 191-15687-00
CLIENT REF:
DATE: JANUARY 22, 2020

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January 22, 2020

DIGRAM DEVELOPMENTS OAKVILLE INC.
327 Renfrew Drive, Suite 201
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Attention: Wajeeha Shahrukh MCIP, RPP, OACA

Dear Madam/Sir:

Subject: Phase One Environmental Site Assessment, 3380 Sixth Line, Oakville, Ontario
Client ref.:

WSP Canada is pleased to provide the following Phase One Environmental Site Assessment (ESA) report for 3380 Sixth Line, Oakville, Ontario.

The Phase One ESA was carried out in general conformance with the requirements of O. Reg. 153/04, as amended and in conformance with the Canadian Standards Association (CSA) Standard Z768-01 Phase I Environmental Site Assessment (R2016). The Phase One ESA report describes the interpreted environmental conditions at the property based on available information and observations. It provides conclusions for your consideration.

We trust that this information is sufficient for your current needs. If you have any questions or require further information, please contact us.

Yours sincerely,

Anne Pattison, B.Sc., G.I.T.
Environmental Scientist

Elizabeth Tsui, M.Env.Sc., P.Eng., EP.
Project Engineer, Environment

WSP ref.: 191-15687-00

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REVISION HISTORY

FIRST ISSUE

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January 22, 2020

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January 22, 2020

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The report is intended to be used in its entirety. No excerpts may be taken to be representative of the findings in the assessment.

The conclusions presented in this report are based on work performed by trained, professional and technical staff, in accordance with their reasonable interpretation of current and accepted engineering and scientific practices at the time the work was performed.

The content and opinions contained in the present report are based on the observations and/or information available to WSP at the time of preparation, using investigation techniques and engineering analysis methods consistent with those ordinarily exercised by WSP and other engineering/scientific practitioners working under similar conditions, and subject to the same time, financial and physical constraints applicable to this project.

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WSP makes no other representations whatsoever concerning the legal significance of its findings.

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Design recommendations given in this report are applicable only to the project and areas as described in the text and then only if constructed in accordance with the details stated in this report. The comments made in this report on potential construction issues and possible methods are intended only for the guidance of the designer. The number of testing and/or sampling locations may not be sufficient to determine all the factors that may affect construction methods and costs. We accept no responsibility for any decisions made or actions taken as a result of this report unless we are specifically advised of and participate in such action, in which case our responsibility will be as agreed to at that time.

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This limitations statement is considered an integral part of this report.

TABLE OF CONTENTS

TABLES

FIGURES

APPENDICES

EXECUTIVE SUMMARY

WSP Canada Inc. (WSP), was retained by the Digram Developments Oakville Inc. (the Client) to conduct a Phase One Environmental Site Assessment (ESA) for the property located at 3380 Sixth Line, in the Town of Oakville, Ontario (the "Phase One Property"). The Phase One Property is currently used as residential and agricultural land and developed with a house, chicken coop and a barn. The total area of the Phase One Property is approximately 20 acres (8 hectares). Digram Developments Oakville Inc. has maintained ownership of the Phase One Property since 2013.

The redevelopment of the Phase One Property is anticipated to involve subdivision into multiple properties for construction of residential dwellings. This Phase One ESA has been completed as part of due diligence in support of Development application guidelines. The Phase One ESA was conducted in accordance with the Ontario Regulation 153/04, however, as the Phase One Property is not changing to a more stringent land use, a Record of Site Condition is not required in accordance to O.Reg.153.

The primary objective of the Phase One ESA was to assess the Phase One Property and the surrounding lands partly or wholly within a 250 metre (m) radius (i.e., Phase One Study Area) for potentially contaminating activities (PCAs) to identify areas of potential environmental concern (APECs) at the Phase One Property. Possible environmental concerns were identified through a site reconnaissance, interviews, and a records review consisting of a review of aerial photographs, a chain of title search, geological mapping, and an Environmental Risk Information Services (ERIS) database search.

Based on a review of readily available historical records, topographic and geographic mapping and observations from the site reconnaissance, no potentially contaminating activities (PCAs) were identified on the Phase One Property, or on properties within a 250 m buffer surrounding the Phase One Property, referred to as the Phase One Study Area. Other noted PCAs previously assessed and housekeeping issues include:

- Previous Phase One and Two ESA by Golder in 2013 investigated and confirmed the fill material used in the berm located to the north of the house along the north property line of the Phase One Property met the applicable criteria. Therefore, it is not considered as a PCA onsite.
- The 2013 Phase One ESA reported a fuel oil aboveground tank with a secondary containment was reportedly removed from the property prior to the Site visit by Golder due to perforations on the belly of the tank. The Phase Two ESA by Golder in 2013 assessed the soil and groundwater condition down-gradient of the southern portion of the garage where the tank was previously located. The soil and groundwater samples were submitted for analysis of petroleum hydrocarbons and benzene, toluene, ethylbenzene and xylenes and the results met the applicable criteria.
- Based on review of historical aerial photographs a 1,200 L propane tank was located outside on the north side of the house. The tank reportedly provided fuel for the propane furnace heating system. At the time of Golder's Phase One ESA in 2013 and Phase One ESA Update in 2016 the condition of the tank was observed to be good, and no suspected leaks were observed. At the time of WSP's site reconnaissance the tank had been removed from the Phase One Property, however the former location of the propane tank did not appear to have any visual signs of contamination. Any impact from the propane tank would be released to air. It is not considered as a PCA onsite.
- Various discarded household items and tires were observed to be stored outside during WSP's site reconnaissance. The waste items were contained in a makeshift storage area separated from the ground by plywood. No concern is identified related to the stored items.
- Two approximately 20-litre jerry cans were observed east of the driveway parking area at the north end of the Phase One Property. As the cans were empty, no visual evidence of leaked or spilled fuel and no stressed vegetation was observed in the surrounding, the discarded cans are not considered as a PCA onsite.
- The Phase One Study Area, including the Phase One Property, has been used for agricultural purposes for many years. In WSP's experience, pesticides are generally found in orchards and reside in closed proximity of the plants. As no bulk storage of pesticides were observed onsite and review of RSC records found in the Phase One Study shows no contaminants of concern were identified exceeding the Ministry of the Environment,

Conservation and Parks (MECP) Table 1 Full Depth Background Site Condition Standards, large scale application of pesticides is not considered a concern at the Phase One Property.

Based on the findings of this Phase One ESA, the potential for contamination at the Phase One Property is interpreted to be low. A Phase Two ESA is not recommended at this time. WSP recommends any existing monitoring wells on the Phase One Property which are damaged and / or no longer in use should be decommissioned as per Regulation (Reg.) 903: Wells under the *Ontario Water Resources Act* (R.R.O. 1990, amended January 2014).

1 INTRODUCTION

1.1 BACKGROUND

WSP Canada Inc. (WSP) was retained by the Digram Developments Oakville Inc. (the Client) to conduct a Phase One Environmental Site Assessment (ESA) for the property at 3380 Sixth Line in the Town of Oakville, Ontario (the "Phase One Property"). The location of the Phase One Property is shown in **Figure 1.**

The Phase One ESA was conducted in general accordance with the Ontario Regulation 153/04, however a current legal plan of survey was not obtained and an updated Parcel Register was requested in lieu of a full Chain of Title as per the project terms of reference. Because the Phase One Property is not changing to a more stringent land use, a Record of Site Condition (RSC) will not be completed.

In 2013, a Phase One and Phase Two ESA were completed by Golder Associates (Golder) for the Phase One Property and a Phase One ESA Update was completed in 2016. The Phase Two ESA did not identify any actual contaminants of concern (COC) exceeding the applicable Ministry of the Environment, Conservation and Parks (MECP) Ontario Regulation 153/04 (O. Reg. 153/04) Records of Site Condition: Soil, Groundwater and Sediment Standards under Part XV.1 of the *Environmental Protection Act*, as amended, Table 2 Full Depth Site Condition Standards in a potable water condition (Table 2 SCS) on the Phase One Property in relation to the Areas of Potential Environmental Concern (APECs). The Phase One Update from 2016 did not identify any new Potentially Contaminating Activities (PCAs) since the Phase Two ESA was completed in 2013. These reports are discussed further in Section 3.2.2.

1.2 SITE OVERVIEW

The Phase One Property is an agricultural property with a residence, approximately 8 hectares (20 acres) in size, and is surrounded by agricultural and residential land use. The Phase One Property is bordered by Sixth Line to the northeast followed by residential development under construction, and agricultural property to the southeast, southwest and northwest. The NAD 83 Zone 17 UTM coordinates of the centroid of the Phase One Property are approximately 601637 m E, 4815662 m N.

Digram Developments Oakville Inc. has maintained ownership of the Phase One Property since 2013. The legal description of the property is:

- PT LT 16, CON 1 TRAFALGAR, NORTH OF DUNDAS STREET, AS IN 831081; OAKVILLE/TRAFALGAR

The Phase One Property is primarily covered by soybean field and scrub vegetation. A residential house, approximately 140 m^2 in footprint area, is located towards the northeast portion of the property. A chicken coop is located approximately 15 m southeast of the house, and a barn approximately 370 m^2 in size is located approximately 30 m southeast of the house. Within the Phase One Study Area (i.e., surrounding lands within a 250 m radius) municipal servicing for water, sewer and gas was observed along Sixth Line for the residential developments to the northeast and southeast, and the entire study area was observed to be serviced with municipal hydro electricity (overhead hydro lines). The properties within the Phase One Study area, with the exception of the residential development northeast of Sixth Line are inferred to rely on private septic systems and water wells, although such infrastructure was not visible from publicly accessible areas. The properties lying within the Phase One Study Area are shown on **Figure 1**.

Authorization to proceed with the work was granted by Ms. Wajeeha Shahrukh of Digram Developments Oakville Inc. Ms. Shahrukh can be contacted at wshahrukh@digram.ca.

2 SCOPE OF WORK

2.1 GENERAL OBJECTIVES

The Phase One ESA was conducted in accordance with the general and specific objectives outlined in O. Reg. 153/04 except provisions for a current legal plan of survey and Chain of Title are not required at this time. The general objectives of a Phase One ESA are:

- To develop a preliminary determination of the likelihood of contamination in soil or groundwater at the Phase One Property; and
- To determine the need for a Phase Two ESA and if necessary, provide the basis for conducting a Phase Two ESA or risk assessment.

The general objectives were met through the evaluation of the information gathered from a records review, interviews, and a site reconnaissance. Specific objectives for these components and the tasks completed to achieve these objectives are described below.

2.2 SCOPE OF INVESTIGATION

The scope of work for the Phase One ESA included the following tasks:

- Review of historical aerial photographs available for the Phase One Property from the National Air Photo Library (NAPL) and the Town of Oakville online mapping service (Town of Oakville, 2019). Aerial photographs can provide information with respect to land use over time, on-site buildings and structures, and aboveground storage tanks;
- Review of topographic and geologic maps for the Phase One Property. These sources provide information regarding the stratigraphy of the overburden underlying the Phase One Property, as well as the potential for the migration of subsurface contaminants;
- Requested information available from the MECP and from other provincial regulatory agencies (i.e., Technical Standards and Safety Authority), through the Freedom of Information and Protection of Privacy Act;
- Review of database information from EcoLog Environmental Risk Information Services (ERIS) Ltd. The comprehensive databases provide information with respect to aboveground and underground storage tanks, waste disposal sites, polychlorinated biphenyl (PCB) storage, compliance, convictions and spills;
- Review of city directories as presented in the 2013 Golder's Phase One ESA, to confirm the past uses of the Phase One Property and neighbouring properties. This information was used to assess the historical ownership/occupants at the Phase One Property and adjacent sites, industrial activities and development at the Phase One Property;
- Review of land title information as presented in the 2013 Golder's Phase One ESA and the current Parcel Register. This information was used to assist in the determination of the first developed use and assess the first historical ownership/occupants at the Phase One Property, the historical presence of underground storage tanks, potential industrial activities and site development.
- Review of fire insurance plans (FIPs), if available, through ERIS to confirm the Phase One Property development history. This information was used to assess historical presence of underground storage tanks, potential industrial activities and site development;
- Conducted interviews with persons knowledgeable of the Phase One Property conditions;

- Visually inspected the Phase One Property to assess current conditions and evaluate the potential for impacts to soil and groundwater. Neighbouring properties and those within the Phase One Study Area were assessed from publicly accessible boundaries to evaluate the potential for environmental impacts to the Phase One Property. Photographs were taken to support pertinent observations;
- Complete an assessment of the information gathered for the Phase One ESA and identify the presence of potentially contaminating activities (PCAs) within the limits of the Phase One Property and surrounding Phase One Study Area, and subsequent classification of Areas of Potential Environmental Concern (APECs);
- Prepared a Phase One ESA report documenting the findings, conclusions and recommendations for the Phase One Property.

3 RECORDS REVIEW

3.1 GENERAL

3.1.1 PHASE ONE STUDY AREA DETERMINATION

The Phase One Study Area was determined to include the Phase One Property and properties located in whole or in part within a 250 m radius of the Phase One Property. The records review did not identify any properties beyond the 250 m radius that would be dissimilar to those that were captured in this radius. Therefore, it was concluded that the nature and extent of APECs would not change through the consideration of properties beyond this distance.

3.1.2 FIRST DEVELOPED USE DETERMINATION

In O. Reg. 153/04, "first developed use" means the earlier of:

- The first use of the Phase One Property in or after 1875 that resulted in the development of a building or structure on the property, and
- The first potentially contaminating use or activity on the Phase One Property.

Review of the Chain of Title as presented in the 2013 Phase One ESA, indicated the Phase One Property was owned by private individuals between 1808 and 1969, then owned by corporations between 1969 and 1983. The Phase One Property was subsequently owned privately between 1983-2013, during which time the residential dwelling and the barn was built. The current owners, Digram Development Okaville Inc. purchased the property in 2013, and the Phase One Property has not been redeveloped under their ownership. Based on our review of available records and review of aerial photography, the first use of the Phase One Property is inferred to be agricultural land from at least 1934.

3.1.3 FIRE INSURANCE PLANS

Based on review of Golder Phase One ESA from 2013, no Fire Insurance Plans (FIPs) are available for the Phase One Property and adjacent lands.

3.1.4 CITY DIRECTORIES

WSP reviewed the 2013 Phase One ESA report from Golder which included a review of city directories from LGI Copy Services for the Phase One Property from and Study Area properties for the years 1962, 1967, 1973, 1978, 1984, 1989, 1999 and 2000. The results of the search are as follows:

- The Phase One Property did not appear in the directories until the year 2000, at which time the Property was listed as residential; and
- Other listings within the Study Area were listed as residential dwellings, located along Burnhamthorpe Road West, Burnhamthorpe Road East, and Sixth Line, as early as 1973.

3.1.5 CHAIN OF TITLE

The historical title search for the Phase One Property was completed by Golder in 2013. The current ownership information as presented in the Parcel Register from the land registry office was obtained via ERIS. The details of the search are summarized in Table 1**.** The Parcel Register is included in **Appendix A.**

Table 1 Chain of Title Summary

YEAR	DESCRIPTION OF PROPERTY USE	OWNERSHIP	OTHER OBSERVATIONS
1808 to 1934	Undeveloped or Agricultural	Crown or Private Owners	No aerial photographs available from this time period.
1934 to 1994	Agricultural	Various Private and Corporate Owners	Aerial photography shows the Phase One Property is developed as agricultural land during this time period.
1994 to Present	Agricultural and Residential	1194-2013 Privately owned by Sykiotis family 2013 – Present Digram Developments Oakville Inc.	House built in 1994, and barn built in 1996. Various outdoor waste piles observed beginning around 2015 until present.

3.1.6 MPAC REPORT

A farm property report from the Municipal Property Assessment Corporation (MPAC) was obtained for the Phase One Property. The report indicated that the two-story family detached home was built in 1994. It was not connected to municipal hydro, with unspecified water and sewer, as well as a forced air furnace, and no air conditioning system. The report indicated the barn was of prefabricated metal construction and was built in 1996.

A copy of the MPAC report is provided in **Appendix A**.

3.2 ENVIRONMENTAL SOURCE INFORMATION

ENVIRONMENTAL DATABASES

The Environmental Risk Information Services (ERIS) report provides information dating from the mid-1980s from federal, provincial and private source databases within a 250-metre radius of the Phase One Property. The complete ERIS report is included in **Appendix B**. **Table 2** provides a summary of the results for the Phase One Property and properties within the Phase One Study Area.

Table 2 ERIS Search Results

DATABASE	NAME	ON-SITE	WITHIN 250 M
EHS	Historical ERIS Searches	2	1
RSC	Records of Site Condition	0	1
WWIS	Water Well Information System	0	18
	TOTAL	2	20

A search of the ERIS databases identified two records for the Phase One Property. The records for the Phase One Property are Historical ERIS Searches completed in 2013, inferred to be part of the 2013 Phase One ESA investigation by Golder in facilitation of the purchase of the Phase One Property by the current owner. The ERIS report identified 20 records within the Phase One Study Area, which included the following information:

- One record of historical ERIS search for the property abutting the Phase One Property to the southeast in 2017.
- One record of a RSC filed in 2015 for 3369 Sixth Line, Oakville, which is located approximately 25 m north-northeast of the Phase One Property. Publicly available records indicate a Phase One and Phase Two ESA were completed by SPL Consultants Limited. Soil and groundwater sampling were completed as part of the Phase Two ESA, and no contaminants of concern were identified exceeding the MECP Table 1 Full Depth Background Site Condition Standards.
- Eighteen water well records were identified within 250 m of the Phase One Property including seven wells classified as abandoned / other, eight wells classified as monitoring wells / test holes, one private supply well (which is inferred to be the supply well for the Phase One Property due to margin of error of GPS coordinates), and two wells with an unrecorded purpose.

3.2.1 REGULATORY INFORMATION

A request was made to the Freedom of Information (FOI) Office of the MECP for any records on the Phase One Property. FOI requests consists of data from the Spills Action Centre, Investigations and Enforcement Branch, Environmental Assessment and Approvals Branch and the Environmental Monitoring and Reporting Branch, as well as records from local municipalities.

A response from the MECP indicated no records were found for the Site. A copy of the FOI response is provided in **Appendix A**.

Additionally, a search request was made to the Technical Standards and Safety Authority (TSSA) for any records relating to fuel storage tanks. The results found no records of fuel storage tanks at the Phase One Property. A copy of this request is included in **Appendix A**.

3.2.2 PREVIOUS ENVIRONMENTAL REPORTS

Three reports were available for review as part of this Phase One ESA. The relevant information from these reports is as follows:

i) Golder Associates. Phase One Environmental Site Assessment 3380 Sixth Line, Oakville, Ontario. July 2013. Prepared for Digram Developments Oakville Inc. Report Number: 13-1186-0208.

The Phase One ESA was completed to facilitate residential development of the Property. The report included a review of available records and visual assessment of site conditions. The report indicated the Property was used for agricultural purposes from 1934 to 1988 and the house was constructed in 1994. The Phase One ESA identified a propane tank was used for the house heating system, a fuel oil AST formerly located in the house garage, and private septic wastewater system is located to the southeast of the house. In additional to general living space, the tenant reportedly carried out personal vehicle repair in the garage of the dwelling. Two APECs were identified on the Phase One Property, which related to a former fuel oil AST inside the garage attached to the house, and the presence of a soil berm interpreted to contain fill of unknown quality. A Phase Two ESA was recommended.

ii) Golder Associates. Phase Two Environmental Site Assessment 3380 Sith Line, Oakville, Ontario. November, 2013. Prepared for Digram Developments Oakville Inc. Report Number 13-1186-0208(1185).

The Phase Two ESA involved the investigation of subsurface soil and groundwater at the Phase One Property. Golder which included collection of three surficial soil samples, one subsurface soil sample, and one groundwater sample as part of the combined geotechnical and environmental field investigations. The surface soil samples were taken from the soil berm at the north end of the property and analyzed for metals and inorganics parameters. One soil sample was collected from a borehole (BH13-8) in closed proximity of the AST in the garage and analyzed for petroleum hydrocarbons (PHCs) fractions 1 – 4 (F1-F4) and benzene, toluene, ethylbenzene, and xylene parameters (BTEX). The groundwater sample was obtained from BH13-8 and analyzed for PHC F1-F4 and BTEX. All soil and groundwater samples were compared against the MECP Table 2 SCS. All soil and groundwater samples met the Table 2 SCS for the parameters analyzed as part of the Phase Two ESA.

It was noted that the water level was above the well screen at the time of the groundwater sampling (but within the sand pack).

It should be noted that Golder did not identify Morrison Creek as the water body on the Phase One Property, , the results should have been compared against the Table 8 Generic Site Condition Standards for Use within 30 m of a Water Body in a Potable Groundwater Condition. The analytical results also met the applicable standard when compared to the Table 8 SCS.

iii) Golder Associates. Phase One Environmental Site Assessment Update Property Located at 3380 Sixth Line Oakville, Ontario. March 22, 2016. Prepared for Digram Developments Inc. Project Number 13-1186-0208 (1000)

The Phase One Update included a review of previous reports completed by Golder, and findings from a recent site visit. Golder identified a new waste storage area at the Phase One Property, but did not consider the waste pile a PCA. The report also indicated the garage attached to the house was no longer utilized for personal vehicle repairs. No APECs outside of those investigated as part of Golder's Phase Two ESA in 2013 were identified in the Phase One ESA Update in 2016. Further investigations were not recommended as part of the Phase One ESA Update.

3.3 PHYSICAL SETTING SOURCES

3.3.1 AERIAL PHOTOGRAPHS

Aerial photographs obtained from NAPL and the Town of Oakville Online Mapping Service (Town of Oakville, 2019) were reviewed for the years 1934, 1965, 1979, 1995, 2006, and 2015. A summary is provided in **Table 3** and copies of the aerial photographs are included in **Appendix C**.

Table 3 Aerial Photograph Interpretation

YEAR	ACTIVITIES ON PHASE ONE PROPERTY	ACTIVITIES ON NEIGHBOURING PROPERTIES
1934	The Phase One Property appears to be agricultural land and is not developed with any structures.	The neighbouring property to the northeast appears to be developed with a residential dwelling. All other surrounding properties appear to be agricultural land.
1965	The Phase One Property appears to be similar to what is shown the 1934 aerial photograph.	The neighbouring properties within the Study Area appear to be developed similarly to what is shown in the 1934 aerial photograph.
1979	Similar to 1965.	Similar to 1965.
1995	The north corner of the property is developed with a residential dwelling, and surrounded by an area cleared of vegetation.	Similar to 1979.
2006	A pile of what appears to be used tires is located south of the septic bed area, as well as located southwest of the barn. The propane AST appears to be located along the north side of the house.	Similar to 1995.
2015	Waste tire area southwest of the barn appears to have additional refuse added to the pile.	The residential dwelling on the property to the northeast is demolished.

3.3.2 TOPOGRAPHY, HYDROLOGY, GEOLOGY

Topography and Hydrology

Topographic mapping provided in the ERIS report by ESRI World Topographic Map indicates the topography of the Phase One Property is relatively flat, and has an elevation of approximately 175 metres above sea level (masl). Adjacent properties are of a similar elevation and range between 175 and 180 masl. The principle direction of shallow groundwater flow beneath the site is interpreted to be towards the northeast. Regionally, groundwater and surface water is anticipated to drain east towards Lake Ontario. It should be noted that shallow groundwater flow may be influenced by underground utilities (i.e. service trenches) and building structures.

Physiography

The Phase One Study Area is situated within the South Slope Physiographic region consisting of clayey till characterized by drumlinized till plains. The South Slope is the southern slope of the Oak Ridges Moraine. It extends from the Niagara Escarpment to the Trent River and is bounded on either side by the Peel Plain and Iroquois Plain (Chapman and Putnam, 2007).

Surficial Geology

Based on publicly available water well records and borehole logs from Golder's 2013 Phase Two ESA the surficial soils under the Phase One Property and Study Area consist of silty clay to clayey silt till extending from ground surface to approximately 5 metres below ground surface (mbgs). Approximately 0.9 m of sand and gravel fill was found in the borehole adjacent to the residence onsite (BH13-8).

Bedrock Geology

Bedrock within the Phase One Study Area consists of Upper Ordovician shale, limestone and dolostone of the Queenston Formation (OGS, 2011). Based on publicly available well records, the top of bedrock within the study area is inferred to be found approximately at 5 to 7 mbgs. Bedrock was found at approximately 1.88 to 3.96 mbgs during the 2013 Phase Two ESA.

3.3.3 WATER BODIES AND AREAS OF NATURAL SIGNIFICANCE

Based on a review of Natural Heritage Information Centre mapping from the Ontario Ministry of Natural Resources and Forestry (MNRF) (2019), Morrison Creek crosses the northern portion of the Phase One Property. Morrison Creek generally flows east before connecting to Sixteen Mile Creek which ultimately drains into Lake Ontario.

To determine whether the Phase One Property is within an environmentally sensitive area as defined in O.Reg.153/04, it must be determined if the Property is within, adjacent to, contains part of or is located within 30 m of an area of natural significance.

An area of natural significance is identified by having any of the following criteria summarized in **Table 4**. These criteria were assessed for the Phase One Property, and the results are provided below.

Table 4 Areas of Natural and Scientific Interest (ANSI) Criteria

CRITERIA	FINDINGS
An area reserved or set apart as a provincial park or conservation reserve under the Provincial Parks and Conservation Reserves Act, 2006.	No
An area of natural and scientific interest (life science or earth science) identified by the Ministry of Natural Resources as having provincial significance.	No
A wetland identified by the Ministry of Natural Resources as having provincial significance.	No
An area designated by a municipality in its official plan as environmentally significant, however expressed, including designations of areas as environmentally sensitive, as being of environmental concern and as being ecologically significant.	No

CRITERIA	FINDINGS
An area designated as an escarpment natural area or an escarpment protection area by the Niagara Escarpment Plan under the Niagara Escarpment Planning and Development Act.	No
An area identified by the Ministry of Natural Resources as significant habitat of a threatened or endangered species.	No
An area which is habitat of a species that is classified under section 7 of the Endangered Species Act, 2007 as a threatened or endangered species.	No
Property within an area designated as a natural core area or natural linkage area within the area to which the Oak Ridges Moraine Conservation Plan under the Oak Ridges Moraine Conservation Act, 2001 applies.	No
An area set apart as a wilderness area under the Wilderness Areas Act.	No

According to Golder's 2013 Phase One ESA, two ANSI were identified, namely, the Oakville-Milton Wetlands and Uplands, located approximately 215 m northwest and 260 m south of the Phase One Property. No ANSI is shown within the Phase One Study area when the MNRF map was accessed as part of this Phase One ESA. A copy of the MNRF map is included in **Appendix A**.

It should be noted that upon review of the Ministry of Natural Resources and Fisheries (MNRF) database Natural Heritage Information Centre (NHIC), one endangered species, the Northern Bobwhite, was identified within a 1 km radius of the Phase One Property. The last observation date listed is 1904, and as such it is inferred that the Phase One Property is not habitat for the Northern Bobwhite. For due diligence purposes, a request was sent to the Ministry of Natural Resources and Forestry (MNRF) on December 10, 2019 to inquire as to the presence or absence of any threatened or endangered species on, adjacent to, or within 30 m of the Phase One Property. At the time of reporting, a response from the MNRF had not been received. Should the MNRF respond indicating the Phase One Property is, or is adjacent to or within 30 m of, habitat of any threatened or endangered species, this report will be updated as required. At the time of reporting, the Phase One Property is not considered to be within an ANSI.

3.3.4 WELL RECORDS

Water well records were obtained from the MECP for the Phase One Property and properties within a 250 m radius. A total of eighteen water well records were identified within 250 m of the Phase One Boundary. A summary of the well records for the Phase One Property and surrounding Study Area is below.

- Eight monitoring wells are located west, north and east of the Phase One Property;
- One private supply well (which is inferred to be the supply well for the Phase One Property due to plotting margin of error);
- Seven wells classified as abandoned / other; and
- Two wells with unrecorded use details.

WSP is also aware of six monitoring wells installed on the Phase One Property during the Phase Two ESA investigations by Golder in 2013 which were not including in the records provided from the WWIS in the ERIS report. WSP reviewed the borehole logs from the Phase Two ESA as part of the records review process. At the time of site reconnaissance, two of the wells installed by Golder were visible on the Phase One Property, and the

remaining four Golder monitoring wells are assumed to be destroyed or abandoned. The well records are included in the ERIS report in **Appendix B.**

3.3.5 SITE OPERATING RECORDS

Based on the current and historical use of the Phase One Property as residential and agricultural land, the Phase One Property is not considered to be an Enhanced Investigation Property under O. Reg. 153/04. Therefore, site operating records were not requested for this investigation.

4 INTERVIEWS

Mr. Jim Yan of Digram was interviewed on December 17, 2019 regarding use and condition of the Phase One Property. Mr. Yan indicated the house on the Phase One Property had not been renovated since it was built in 1994. He confirmed the house furnace was fueled by propane, and the propane tank has been removed. The only environmental investigations he was aware of were those completed by Golder (referenced in this report), and was not aware of any leaks or spills at the Phase One Property. Mr. Yan was not aware of any fill material brought to the Phase One Property from an outside source, and was not aware of the year the house or barn were last occupied / in use.

5 SITE RECONNAISSANCE

5.1 GENERAL INFORMATION

WSP visited the Phase One Property on December 13, 2019, by Ms. Anne Pattison, G.I.T. of WSP, between the hours of 9:00 AM and 10:30 AM, accompanied by Mr. Patrick Jorden from Digram. The Phase One Property was assessed in a systematic manner by walking around the site and recording visual and olfactory observations. The weather at the time of the site visit was clear and approximately 0°C.

5.2 SPECIFIC OBSERVATIONS AT PHASE ONE PROPERTY

The Phase One Property was observed to consist of an agricultural field of soybeans (Photograph 1), scrub vegetation and grass (Photograph 2), as well as developed with a house (Photographs 3 and 4), barn (Photographs 5 and 6) and chicken coop (Photograph 7). The structures on the Phase One Property represent approximately 1% of the total area. The Phase One Property is approximately 20 acres in size and fronts onto Sixth Line.

A raised mound was observed southeast of the house which is inferred to be the location of the septic system based on previous environmental reports (Photograph 8). A pile of household waste and refuse including tires, wood pallets, and scrap plastic and metal was observed along the north property boundary (Photograph 15).

Morrison Creek was observed traversing between Sixth Line and the house onsite and was frozen at the time (Photograph 16).

Photographs were taken from the Phase One Property and publicly accessible lands to document current site conditions. The photographs, along with their description and compass orientation, are included in **Appendix E.**

5.3 OBSERVATIONS WITHIN THE PHASE ONE STUDY AREA

Neighbouring properties were viewed from the Phase One Property and publicly accessible boundaries to assess the potential for uses to adversely affect the Phase One Property. The following adjacent properties were observed:

North: Sixth Line; residential developments beyond;

East: Agricultural land; residential development beyond;

South: Agricultural land; and

West: Agricultural land and woodland.

On the neighbouring properties to the north and northeast, across Sixth Line, piles of fill material were visible as residential housing development is under various stages of construction (Photograph 9). To the southeast, a monitoring well was observed on the agricultural property adjacent to the Phase One Property. The adjacent properties to the south and west are agricultural properties.

5.4 SPECIFIC OBSERVATIONS AT PHASE ONE PROPERTY

5.4.1 STRUCTURES

The Phase One Property is developed with three structures including a residential dwelling with attached garage, a chicken coop, and a barn which formerly housed chickens according to the 2013 Phase One ESA. The house and barn were previously connected to municipal hydro service via overhead power lines. The house was formerly heated by a propane-fueled furnace system, and connected to private drinking water well and septic system.

The house is two storeys tall, and is built with an one-level basement and concrete block foundation. Entrances to the house are located on the northeast and southwest side on the main floor. At the time of site reconnaissance, the house was observed to be in disrepair due to vandalism by trespassers who had removed the boarded-up windows and doors. WSP observed all three levels of the house during site reconnaissance, however a thorough walk through could not be completed due to concerns with debris on the floor and from the ceiling. Rooms within the house were observed from hallway areas. As electricity to the house had been disconnected, observations of materials and contents was restricted due to lack of lighting.

The attached garage was observed to be filled with various household items including a window air conditioning unit, a photocopier, used paint cans, and several tarps. The barn, to the southwest of the house, is a one-storey structure made of prefabricated metal. The barn was observed to be empty at the time of site reconnaissance. The chicken coop appears to be made of particle board and covered with asphalt shingles. No materials were stored inside the chicken coop at the time of site reconnaissance.

5.4.2 HAZARDOUS MATERIALS

WSP made note of any potentially hazardous materials located at the Phase One Property in visually accessible areas. WSP did not complete an intrusive assessment of any structures or take any samples for analysis. The findings below do not constitute a Hazardous Materials Survey or Designated Substances Survey.

5.4.2.1 *POLYCHLORINATED BIPHENYLS*

Polychlorinated biphenyls (PCBs) were first manufactured in 1929 and used until the late 1970s in dielectric fluid transformers, motor capacitors, and lighting ballasts. In the late 1970s, the use of PCBs was banned, and replacement of PCB-containing equipment was phased in over the following decades. Ballast manufacturers stopped using PCBs in their products by 1980. PCB-containing equipment must now be taken out of service prior to regulator deadlines.

Suspected PCB – containing transformers, capacitors, and ballasts were not observed at the time of the site reconnaissance.

5.4.2.2 *ASBESTOS*

Asbestos has been added to many materials, as fire proofing materials applied to steel beams, in joint compound, gypsum board filling, acoustic tiles, roofing shingles, blown-in insulation, soundproofing material sprayed onto ceiling and walls to produce a soft-textured look, and insulating material usually applied manually or by trowel to fit surfaces such as pipes, boilers, or other mechanical equipment for their insulation and condensation control. Under

the Ontario Occupational Health and Safety Act, damaged asbestos must be repaired. Asbestos was commonly used in building construction materials until the early 1990s.

Due to the fact that the house was constructed in 1994 and barn in 1996, asbestos containing materials are not anticipated to be located at the Phase One Property. During the site reconnaissance, rooms were visually examined to assess the potential for piping materials, textural coating, and ceiling and floor tiles to be asbestos containing. WSP did not observe suspect asbestos-containing materials in the accessible areas during the site reconnaissance.

5.4.2.3 *MOULD*

A comprehensive inspection for mould growth, which requires intrusive examination, was not completed as part of the Phase One ESA. WSP did observe what appeared to be water damage in the ceilings of the interior of the house which is attributed to leaking due to the poor condition of the roof shingles. Conditions such as a roof leak are conducive to mould growth and mould may be present within the house in areas affected by water damage.

5.4.2.4 *MERCURY*

Mercury is inferred to be present in all wall-mounted thermostats and as mercury vapour in fluorescent light tubes. In addition, mercury may be found in pain films and caulking. Elemental mercury, which is present in thermostats, may be disposed through metal recyclers. Contained mercury should be disposed of according to waste disposal regulations. WSP did not observe any suspected mercury – containing materials at the time of the site reconnaissance.

5.4.2.5 *LEAD CONTAINING MATERIALS*

Lead may be present in various building components including paint films, as solders in drinking water pipes, flashings, mortar, glazing and lead glass, waste water pipes, and in electronic equipment. The presence and continued use of lead in buildings does not present a hazard to building occupants, providing the material remains in good condition. However, lead-containing materials will require appropriate environmental controls at the time of decommissioning or building demolition.

Although the barn was constructed in the 1990s, the interior wall materials in the north portion of the barn appeared to be finished with old doors which may be much older than the age of construction of the barn. Paint on the doors lining the walls was observed to be peeling and generally in poor condition (Photograph 10). These painted surfaces may be coated with lead-containing paint.

5.4.3 BELOW GROUND STRUCTURES

The Phase One Property is developed with a house which is built with below-ground basement with concrete block foundation. In addition, WSP is aware that the house utilized a septic wastewater system when occupied, with a septic tank located southeast of the house. WSP did not observe any other below-ground structures at the Phase One Property.

5.4.4 STORAGE TANKS (ABOVEGROUND AND UNDERGROUND)

No above or underground storage tanks were observed during site reconnaissance. According to the Golder Phase One ESA in 2013, a fuel-oil AST was formerly located in the garage attached to the house. At the time of site reconnaissance, no staining was observed on the garage floor and the floor appeared to be in good condition.

A borehole completed as monitoring well was used by Golder during the 2013 Phase Two ESA to investigate an AST reportedly removed prior to the 2013 Phase One site visit, the AST was reported to have equipped with a secondary containment system but the tank was removed due to perforations observed in the belly of the tank.

Based on the Phase One ESA completed by Golder in 2013, and confirmed through interview with the Phase One Property representative, a 1,200 L aboveground propane tank was used to fuel the furnace heating system of the house. The propane tank was formerly located outside the northwest exterior wall of the house. This propane tank had been removed prior to the site reconnaissance. Staining was not observed in the location of the former propane tank, and the Phase One Property representative was not aware of any leaks or spills related to the propane tank.

5.4.5 SPILLS, STAINS AND ODOURS

During the site reconnaissance, two approximately 20-litre capacity portable diesel carrying containers ("jerry cans") were observed east of the driveway parking area at the north end of the Phase One Property (Photograph 12). These containers were observed to be laying on their sides, however it is unknown if it contained any fuel prior to its placement and if any fuel had leaked onto the ground. There were no obvious signs of leaked diesel fuel, however inspection of the ground surface was limited due to partial snow and ice cover and thick vegetation. No evidence of leaks or spills was observed at the Phase One Property during the site visit.

Rust stains were observed in the basement of the house (Photograph 13) in the northeast quadrant of the basement footprint. These stains are inferred to be related to flooding of the basement which had occurred in the weeks prior to the site visit. At the time of site reconnaissance, no standing water was observed in the house basement. The concrete floor of the basement was observed to be in good condition. No other stains or odours were observed at the Phase One Property during the site reconnaissance.

5.4.6 FILL MATERIALS

Fill material was observed in a berm located to the north of the house along the north property line of the Phase One Property (Photograph 14). This material appeared to be the same as the fill identified in a previous Phase One ESA by Golder in 2013, and appeared to be in a similar configuration as to the photographs included in the report. The fill material was sampled by Golder in a Phase Two ESA completed in 2013. Three soil samples were collected by Golder from the fill material and analyzed for metals and inorganics parameters. Samples were found not to contain concentrations of metals and inorganics parameters exceeding the MECP Table 2 SCS.

Gravel material was observed within the driveway and parking area north of the house. The gravel appeared to be a thin layer of granular material and is not suspected to be a source of contamination.

5.4.7 WATER SUPPLY AND WELLS

Properties within the Phase One Study Area line are municipally serviced for water. A private water supply well is located on the Phase One Property South of the house. According the publicly available well records in the Water Well Information System (WWIS), the well is 18.3 metres deep (60 feet) and was installed in 1993. The records indicate the private water supply is derived from the shale bedrock, and water was found at a depth of approximately 17 mbgs (56 feet). No other records for wells on the Phase One Property were found in the WWIS.

During the reconnaissance of the Phase One Property, two monitoring wells were observed. These monitoring wells are inferred to have been installed as part of the Phase Two ESA completed by Golder in 2013. One well was

located south of the barn (Golder well BH13-7) and the other was located near the southeast property boundary in the northeast corner of the Phase One Property (Golder well BH13-9). BH13-7 was accessible, and observed to no longer contain a riser pipe inside the steel monument casing. BH13-9 was not accessible for inspection during the reconnaissance. According to the 2013 Phase Two ESA report, four additional monitoring wells were installed at the same time as BH13-7 and BH13-9. These four other monitoring wells were not observed during the site reconnaissance and are inferred to either be destroyed or abandoned.

5.4.8 STRESSED VEGETATION

Stressed vegetation was observed at the north portion of the Phase One Property in the driveway and parking area. This area of stressed vegetation is inferred to be a result of vehicle traffic across the ground surface. No other areas of stressed vegetation were observed during the site reconnaissance; however, it should be noted that the ground was partially covered with snow and ice.

5.4.9 WASTEWATER AND SEWAGE DISPOSAL

The Phase One Property utilized a septic tank system while the residential dwelling was occupied. The septic tank is located to the southeast of the house, at the northeast portion of the Phase One Property. During the Site Visit the location of the cleanout ports for the septic system were not identified as the ground cover was heavily vegetated and partially covered in snow. According to the Golder Phase One ESA in 2013, the septic system was installed in 1994, and cleaned biennially. No suspected seeps or leaks were observed in the area of the septic system. The residential developments across Sixth Line were observed to be serviced with municipal sanitary services.

5.5 WRITTEN DESCRIPTION OF INVESTIGATION

The written description of the investigation and reconnaissance is documented throughout Section 5 with PCAs and APECs identified and discussed in Section 6 below.

6 REVIEW AND EVALUATION OF INFORMATION

6.1 CURRENT AND PAST USES

A summary of the current and past uses of the Phase One Property is included in **Table 5**. This information is based on the aerial photography gathered between the years of 1934 and 2016 and the chain of title.

Table 5 Summary of Current and Past Uses

YEAR	DESCRIPTION OF PROPERTY USE	OWNERSHIP	OTHER OBSERVATIONS
1808 to 1934	Undeveloped or Agricultural	Crown or Private Owners	No aerial photographs available from this time period.
1934 to 1994	Agricultural	Various Private and Corporate Owners	Aerial photography shows the Phase One Property is developed as agricultural land during this time period.
1994 to Present	Agricultural and Residential	1194-2013 Privately owned by Sykiotis family 2013 – Present Digram Developments Oakville Inc.	House built in 1994, and barn built in 1996. Various outdoor waste piles observed beginning around 2015 until present.

The first developed use of the Phase One Property appears to be agricultural as early as 1934 with the construction of residential dwelling completed in 1994.

A table of current and past uses of the Phase One Property in accordance to O. Reg. 153 is not included as RSC is not required at this time.

6.2 POTENTIALLY CONTAMINATING ACTIVITIES

Based on the findings of the Phase One ESA, potentially contaminating activities (PCAs) were not observed on the Phase One Property or within the Study Area. A summary of the previously identified PCAs and housekeeping issues is provided below.

Previous Phase One and Two ESA by Golder in 2013 investigated and confirmed the fill material used in the berm located to the north of the house along the north property line of the Phase One Property met the Table 2/8 SCS. Therefore, it is not considered as a PCA onsite.

The 2013 Phase One ESA reported a fuel oil with a secondary containment was reportedly removed from the property prior to the Site visit by Golder due to perforations on the belly of the tank. The Two ESA by Golder in 2013 assessed the soil and groundwater condition down-gradient of the southern portion of the garage where the tank was previously located. The soil and groundwater samples were submitted for analysis of petroleum hydrocarbons and benzene, toluene, ethylbenzene and xylenes and the results met the Table 2/8 SCS. Additionally, the interior garage floor was observed to be in good condition during WSP's site reconnaissance. As such, the former tank is no longer considered a PCA onsite.

Based on review of historical aerial photographs a 1,200 L propane tank was located outside on the north side of the house. The tank reportedly provided fuel for the propane furnace heating system. At the time of Golder's Phase One ESA in 2013 and Phase One ESA Update in 2016 the condition of the tank was observed to be good, and no suspected leaks were observed. At the time of WSP's site reconnaissance the tank had been removed from the Phase One Property, however the former location of the propane tank did not appear to have any visual signs of contamination. Any impact from the propane tank would be released to air. It is not considered as a PCA onsite.

Various discarded household items and tires were observed to be stored outside during site reconnaissance. The waste items appeared to be contained in a makeshift storage area separated from the ground by plywood. No concern is identified related to the stored items.

Two approximately 20-litre jerry cans were observed east of the driveway parking area at the north end of the Phase One Property. As the cans were empty, no visual evidence of leaked or spilled fuel and no stressed vegetation was observed in the surrounding, the discarded cans are not considered as a PCA onsite.

The Phase One Study Area, including the Phase One Property, has been used for agricultural purposes for many years. It is WSP's experience that pesticides generally found in orchards and reside in closed proximity of the plants. As no bulk storage of pesticides were observed onsite and review of RSC records found in the Phase One Study shows no contaminants of concern were identified exceeding the MECP Table 1 Full Depth Background Site Condition Standards, large scale application of pesticides is not considered a concern at the Phase One Property.

6.3 AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

No Areas of Potential Environmental Concern (APECs) are identified on the Phase One Property.

6.4 PHASE ONE CONCEPTUAL SITE MODEL

A Conceptual Site Model (CSM) is utilized to provide an overview of findings from records review, interviews, and site reconnaissance. Information presented in this report that contributes to the development of the CSM is presented in **Figure 1**, and summarized as follows:

- A tributary of Morrison Creek runs approximately west-east across the north end of the Phase One Property;
- No areas of natural significance were identified in the Phase One Study Area;
- One drinking water well is located on the Phase One Property. All other well records for the Phase One Study Area include monitoring wells, abandoned, or unidentified (other) use wells;
- Surrounding properties are used for residential and agricultural purposes;
- Road names in the Phase One Study Area are shown on **Figure 1**;
- There are three buildings on the Phase One Property: a house with attached garage, a chicken coop, and a barn. The locations of the building are outlined on **Figure 1**. The house was constructed in 1994, the barn was built in

1996, and the date of construction of the chicken coop is unknown. The barn was formerly used to raise chickens;

- The Phase One Property is relatively flat, and has an elevation of approximately 175 masl. Groundwater is inferred to flow to the northeast;
- Review of well records indicates surficial geology is composed of silty clay to clayey silt till deposits to a depth of approximately 5 mbgs. Based on this the surficial soil is likely to have low to moderate permeability;
- Bedrock is inferred to be shale of the Queenston Formation, and encountered at approximately 5 – 7 mbgs in Phase One Study Area (as shallow as 1.88 mbgs onsite as found during the 2013 Phase Two ESA investigation);
- Based on the findings of the records review and site reconnaissance completed as part of the Phase One ESA, PCAs were not identified on the Phase One Property or within the Study Area, and therefore, no APECs are carried forward.

6.4.1 POTENTIALLY CONTAMINATING ACTIVITIES

No PCAs were identified on the Phase One Property or within the Study Area. The rationale as to why previous PCAs and housekeeping issues are not considered PCAs is discussed in Section 6.2.

6.4.2 POTENTIAL ENVIRONMENTAL CONCERNS AND POTENTIAL CONTAMINANTS OF CONCERN

As no PCAs have been identified, APECs and associated contaminants of concern are not carried forward on the Phase One Property.

6.4.3 IMPACT OF UNDERGROUND UTILITIES

Underground utility trenches, typically backfilled with permeable granular materials, have the potential to affect contaminant distribution and transport. The Phase One Property is not serviced with underground gas, cable, or hydroelectricity. Although utility drawings were not provided for the Phase One Property, WSP is aware that underground servicing at the Phase One Property consists of a domestic supply well for water, and a septic system for wastewater. Both of these systems appeared to enter the house on the east side as evidenced by the utility hookups in the basement and general configuration of the well and septic system in relation to the house. These utilities may affect shallow groundwater flow at the north end of the property. As a ditch was observed at the north end of the property along Sixth line, it is inferred that site stormwater drainage is generally towards the north / northeast.

6.4.4 GEOLOGICAL AND HYDROGEOLOGICAL INFORMATION

The Phase One Property is at approximately 175 masl and is generally flat.

The principle direction of shallow groundwater flow beneath the site is interpreted to be towards the northeast. Regionally, groundwater and surface water is anticipated to drain east towards Lake Ontario. The depth to the groundwater table was reported to range from 1.62 to 3.24 mbgs in September 2013 and 0.4 to 2.02 mbgs in November 2013.

The surficial soils under the Phase One Property and Study Area consist of silty clay to clayey silt till extending from ground surface to up to approximately 5 mbgs.

6.4.5 UNCERTAINTY AND ABSENCE OF INFORMATION

During the records review, WSP relied on information obtained from municipal, provincial, and independent sources as referenced in this report. Although the information was assessed for consistency, verification of the accuracy or the completeness of this third-party information was not completed. The use of reports from multiple sources of information contributes to the reduction in uncertainty in the evaluation of possible environmental concerns at the Phase One Property. Additionally, due to the timeline of reporting, some information requested from public agencies had not yet been received. Should information become available as a result of these requests, this report will be updated as applicable.

With the exception of a full chain of title search and a legal survey, WSP made all reasonable inquiries to obtain reasonably accessible information for this assessment as required by O. Reg. 153/04 Schedule D Table 1: Mandatory Requirements for Phase One ESA Reports. The evaluation provided in this report reflects our best judgment considering the information available at the time of report preparation and as required by the Digram Developments Oakville Inc.

7 CONCLUSIONS AND RECOMMENDATIONS

PCAs were not identified on the Phase One Property and surrounding Phase One Study Area as a result of the review of readily available historical records, topographic and geographic mapping and observations from the site reconnaissance. Observations were made related to historical PCAs previously assessed and household issues onsite. The historical PCAs and observed housekeeping issues are not considered PCAs and do not result in APECs onsite.

Based on the findings of this Phase One ESA, a Phase Two ESA is not recommended at the Phase One Property. However, any monitoring wells located on the property which are damaged and / or no longer in use should be decommissioned as per Regulation 903: Wells under the *Ontario Water Resources Act* (R.R.O. 1990, as amended January 2014).

7.1 QUALIFIER

This assignment is limited to a data assessment, site inspection, and preliminary analysis of potential areas of contamination. During this assessment, WSP has relied on information obtained from sources as referenced in this report. Verification of the accuracy or completeness of this third-party information was not completed.

Site characterization was limited to the direct observation of visible and accessible locations. Subsurface investigations, sampling, and laboratory analyses were not completed as part of this assessment.

This Phase One ESA is prepared for the Digram Developments Oakville Inc. solely for their exclusive use in the evaluation of the proposed property acquisition. It is understood that site conditions, environmental or otherwise, are not static and that this report documents site conditions at the time of the assessment.

The conclusions provided in this report reflect our best judgment in light of the information available at the time of report preparation. Any use, which a third party makes of this report, or any reliance on or any decisions to be made based on it, is the responsibility of such third parties. WSP accepts no responsibility for damages, if any, suffered by any third party because of decisions made or actions based on this report. If site conditions are observed to be different from those reported, please contact us.

7.2 ASSESSOR QUALIFICATIONS

Ms. Elizabeth Tsui, M.Env.Sc., P.Eng., EP is a Project Engineer in the Thornhill, Ontario office of WSP. Elizabeth has 12 years of experience in environmental engineering. She has extensive project management, coordination, technical and field experience in a variety of environmental services including: Phase One and Two Environmental Site Assessments, soil and groundwater remediation programs, underground storage tank removals, drinking water sampling and regulatory compliances, health and safety as it relates to contaminated sites, baseline environmental studies and environmental approvals process. She is responsible for external peer review and internal QA/QC of environmental reports and review of construction specifications as they relate to compliance with the various environmental regulations/standards.

Site reconnaissance and reporting was completed by Anne Pattison, B.Sc., G.I.T. Ms. Pattison is an Environmental Scientist in the Oakville, Ontario office of WSP, and has four years of experience in environmental science and geotechnical investigations. She completes field work, research, and report writing for Environmental Site Assessments, hydrogeological assessments, and construction environmental due diligence programs. In addition, Ms. Pattison assists in contract administration and coordination of environmental investigations of soil and groundwater quality for design-build infrastructure construction projects and excess materials management.

7.3 SIGNATURES

This Phase One ESA was conducted under the undersigned QP_{ESA}, in accordance with the requirements of O. Reg. 153/04.

WSP CANADA Inc.

Report prepared by

Anne Pattison, B.Sc., GIT.
Environmental Scientist

Reviewed by

Elizabeth Tsui, M.Env.Sc., P.Eng., EP, QP_{ESA}
Project Engineer, Environment

8 REFERENCES

Chapman, L.J. and Putman, D.F. 2007. *Physiography of southern Ontario*. Ontario Geological Survey, Miscellaneous Release – Data 228.

Golder Associates. 2013. *Phase One Environmental Site Assessment 3380 Sixth Line, Oakville, Ontario*. Prepared for Digram Developments Oakville Inc.

Golder Associates. 2013. *Phase Two Environmental Site Assessment 3380 Sixth Line, Oakville, Ontario*. Prepared for Digram Developments Oakville Inc.

Golder Associates, 2016. *Phase One Environmental Site Assessment Update 3380 Sixth Line, Oakville, Ontario*. Prepared for Digram Developments Oakville Inc.

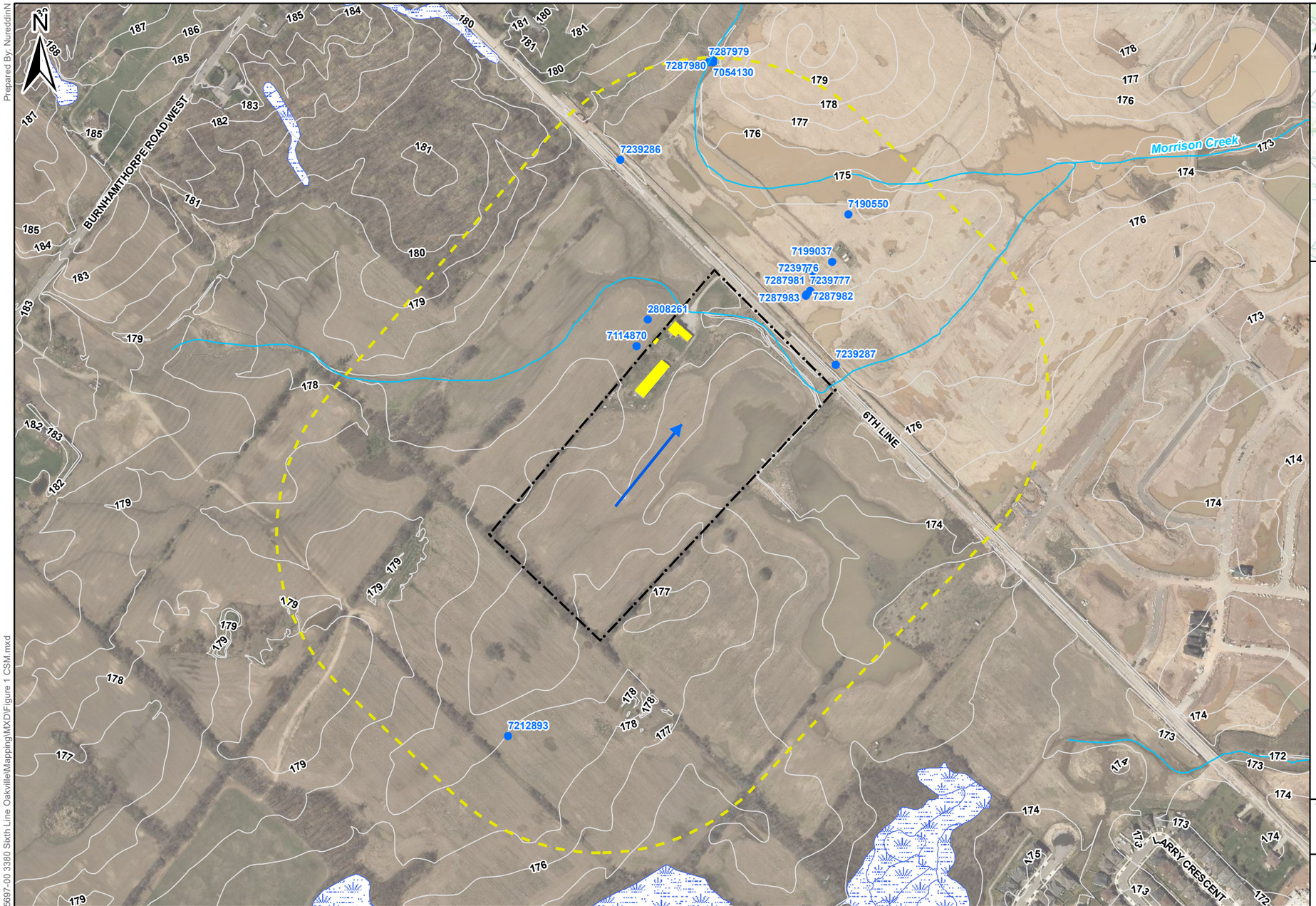
Ontario Geological Survey. 2011. Map 2556 *1:250 000 scale bedrock geology of Ontario.* Ontario Geological Survey, Miscellaneous Release – Data 126 – Revision 1.

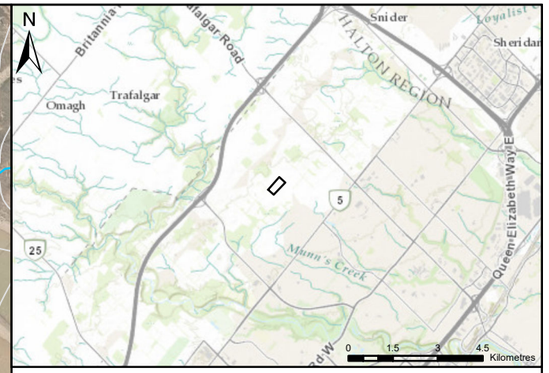
Ontario Geological Survey. 2010. *Surficial geology of southern Ontario.* Ontario Geological Survey, Miscellaneous Release – Data 128 – Revised.

Ontario Ministry of Natural Resources and Forestry. *Make a Natural Heritage Map*. Retrieved online December 10, 2019 at https://www.gisapplication.lrc.gov.on.ca/mamnh/Index.html?site=MNR_NHLUPS_NaturalHeritage&viewer=NaturalHeritage&locale=en-US

Ontario Regulation 153/04: *Records of Site Condition – Part XV.1 of the Act under Environmental Protection Act,* R.S.O. 1990, c.E.19.

FIGURE





DATA SOURCE: ESRI

LEGEND:

- SITE BOUNDARY
- 250 m STUDY AREA
- MECP WATER WELL
- 1 m TOPOGRAPHIC CONTOUR
- INFERRED GROUNDWATER FLOW DIRECTION
- WATERCOURSE
- PROVINCIALLY SIGNIFICANT WETLAND
- RAILWAY
- ON-SITE STRUCTURES

TITLE:
PHASE ONE CONCEPTUAL SITE MODEL

PROJECT:
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
3380 SIXTH LINE OAKVILLE
OAKVILLE, ONTARIO

CLIENT:
DIGRAM DEVELOPMENTS OAKVILLE INC.

PROJECT NO.:	REVIEWED BY:
191-15697-00	ET
DATE: JANUARY 2020	FIGURE: 1

Prepared By: NureddinN

J:\1442 Projects by Job Number\2019\191-15697-00 3380 Sixth Line Oakville\Mapping\MXD\Figure 1 CSM.mxd

APPENDIX

A SUPPORTING DOCUMENTATION

APPENDIX

A-1 PARCEL REGISTER

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

PROPERTY DESCRIPTION: PT LT 16, CON 1 TRAFALGAR, NORTH OF DUNDAS STREET , AS IN 831081 ; OAKVILLE/TRAFALGAR

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
FIRST CONVERSION FROM BOOK

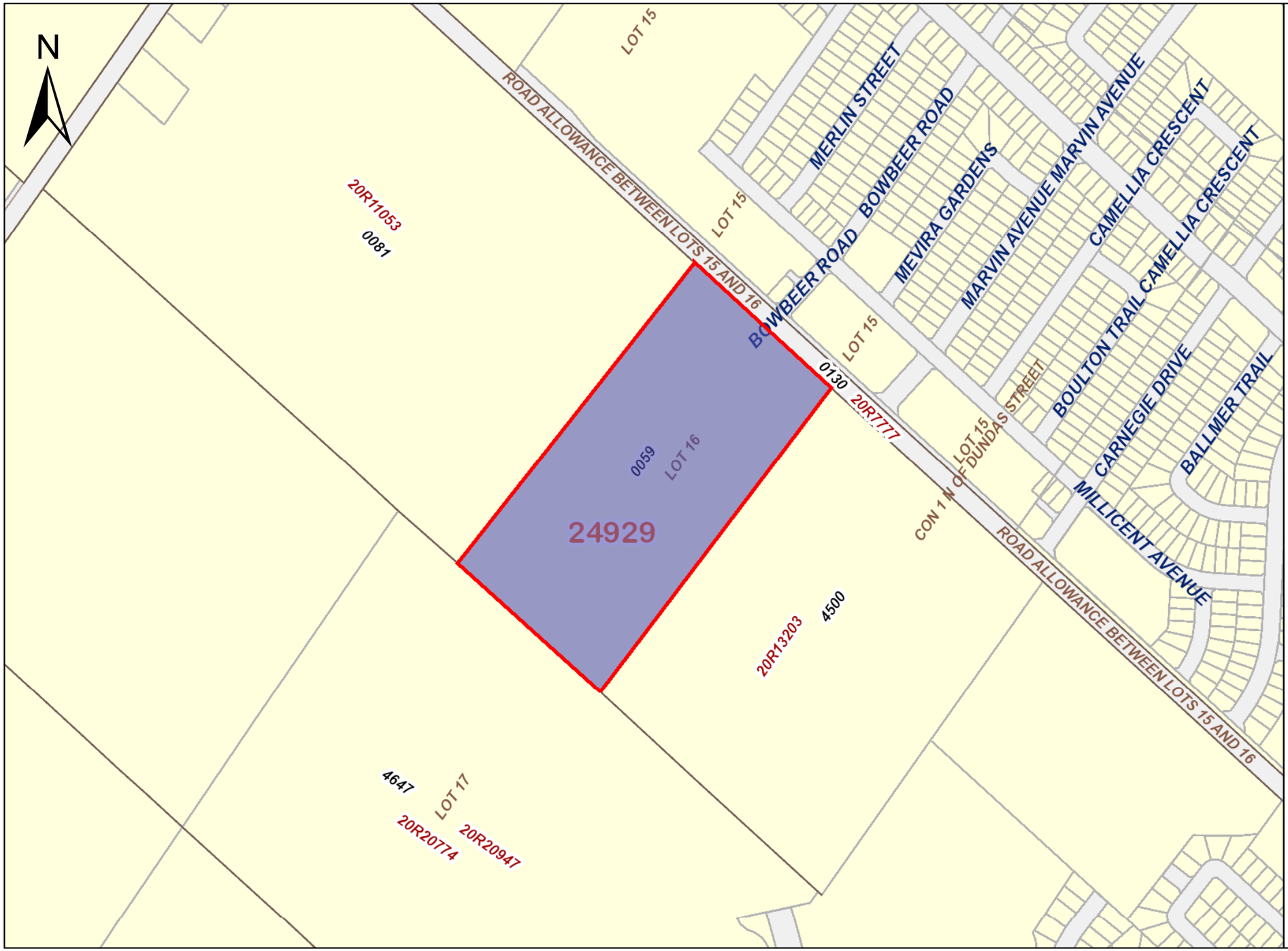
PIN CREATION DATE:
1996/03/25

OWNERS' NAMES
DIGRAM DEVELOPMENTS OAKVILLE INC.

CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1996/03/25 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 1996/03/25						
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) ***						
***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: 1996/03/25 ***						
HR1151692	2013/12/03	TRANSFER	$11,500,000	SYKIOTIS, ALEXANDRA SYKIOTIS, EFSTATHIOS SYKIOTIS, EVAGELIA SYKIOTIS, GEORGE SYKIOTIS, IRENE SYKIOTIS, JANET SYKIOTIS, JOHN EFSTATHIOS SYKIOTIS, MATINA SYKIOTIS, METAXIA	DIGRAM DEVELOPMENTS OAKVILLE INC.	C
	REMARKS: PLANNING ACT STATEMENTS.					
HR1513696	2017/12/19	CHARGE	$24,500,000	DIGRAM DEVELOPMENTS OAKVILLE INC.	FIRM CAPITAL MORTGAGE FUND INC.	C
HR1513697	2017/12/19	NO ASSGN RENT GEN		DIGRAM DEVELOPMENTS OAKVILLE INC.	FIRM CAPITAL MORTGAGE FUND INC.	C
	REMARKS: HR1513696.					

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.



ServiceOntario

PRINTED ON 12 DEC, 2019 AT 10:26:39
FOR EEGOOLAB

SCALE

0 30 60 90 120 150
meters

PROPERTY INDEX MAP

HALTON(No. 20)

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	*0449*
BLOCK NUMBER	**08050**
GEOGRAPHIC FABRIC	
EASEMENT	

THIS IS NOT A PLAN OF SURVEY

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario

APPENDIX

A-2 MPAC REPORT

Farm Property Report

Purchased Date: 13-12-2019

Property Address: 3380 SIXTH LINE

Municipality: OAKVILLE

Roll Number: 2401010030145010000

Assessed Value*: $790,000

Property Code & Description 211 - Farm with residence - with or without secondary structures; with farm outbuildings

Legal Description: CON 1 NDS PT LOT 16

Last Valid Sale Date (yyyy/mm/dd) 2013-12-03

Last Valid Sale Amount $11,500,000

Services:

Hydro	Water	Sanitary	Heating	Air Conditioning
N - No Hydro available	A - Unspecified Service	A - Unspecified Service	FA - Forced Air	No

Lot Details:

Frontage (ft)	Depth (ft)	Site Area
660	-	20.00 A

Building Permit Information:

Currently, MPAC's records indicate that there are no building permits for this property.

Primary Structures:

Structure Code & Description	301 - SINGLE FAMILY DETACHED
Year Built	1994
Total Floor Area(Above Grade)(sq ft)	3,037
First Floor Area (sq ft)	1,510
Second Floor Area (sq ft)	1,527
Third Floor Area (sq ft)	-
Basement Total Area(sq ft)	1,597
Basement Finished Area(sq ft)	-
Full Storeys	2
Partial Storeys	-
Bedrooms	3
Full Bathrooms	3

Half Bathrooms	-
Renovation Year	-
Addition Year	-

Garage Structures:

Structure Code & Description	116 - ATTACHED GARAGE
Year Built	1994
Total Area (sq ft)	720
Garage Spaces	3

Garage Structures:

Structure Code & Description	116 - ATTACHED GARAGE
Year Built	1994
Total Area (sq ft)	252
Garage Spaces	1

Other Structures:

Structure Code & Description	266 - PREFAB. METAL (STRAIGHT)
Year Built	1996
Total Area (sq ft)	1,600

Other Structures:

Structure Code & Description	266 - PREFAB. METAL (STRAIGHT)
Year Built	1996
Total Area (sq ft)	4,000

NOTE: Under the Assessment Act a number of changes have been made to the property assessment system, which became effective in the 2009 property tax year. These changes include the introduction of a four -year assessment update and a phase-in of assessment increases. For more information regarding Assessment Updates visit www.mpac.ca

*Assessed Value is based on a January 1, 2016 Valuation Date.

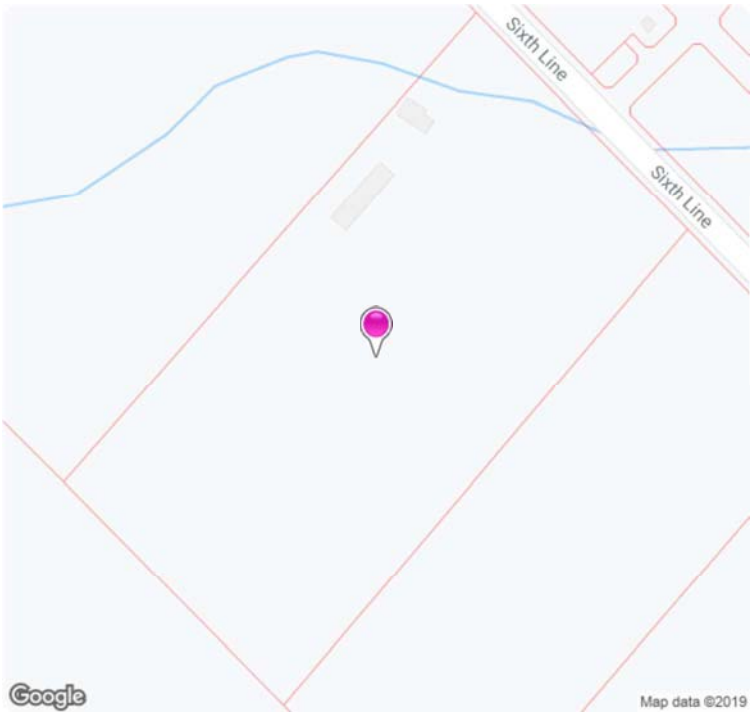
**Phased-In Assessment reflects the phased-in portion of the Assessed Value returned to the municipality/local taxing authority on the 2019 Assessment Roll for the 2020 taxation year.

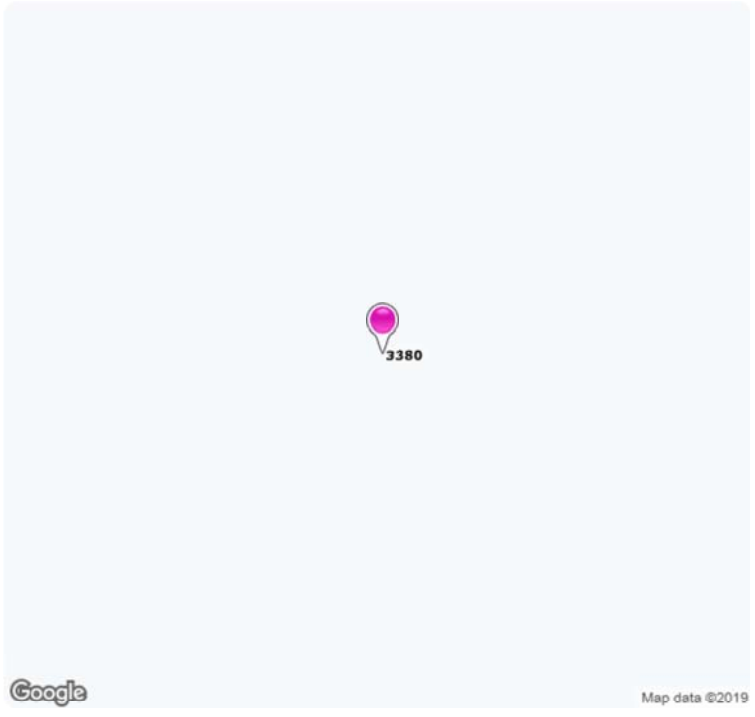
Map and Photo Report

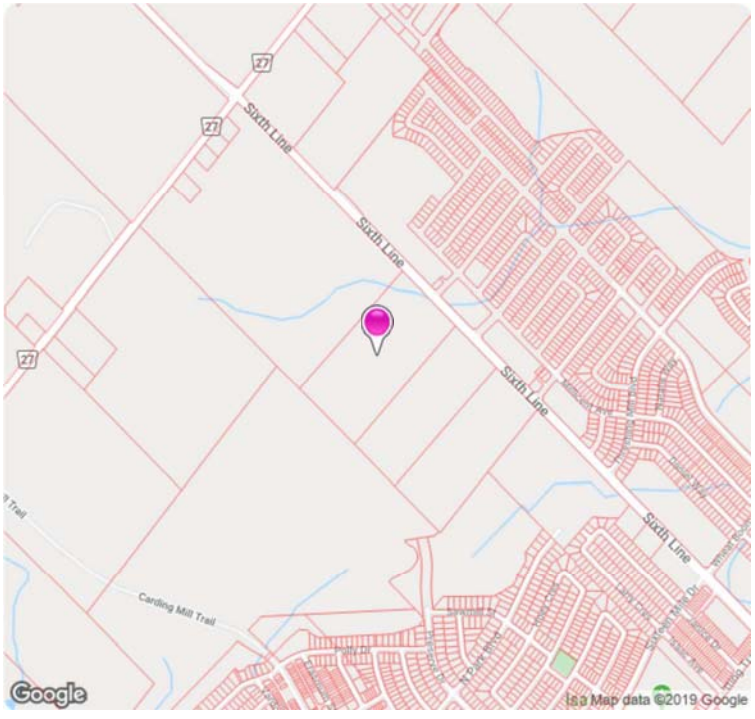
Purchased Date: 13-12-2019

Report Details

Address:	3380 SIXTH LINE	**Province:**	ON
Municipality:	OAKVILLE TOWN	**Postal Code:**	L6M 4K1







APPENDIX

A-3 FOI RESPONSE

Ministry of the Environment, Conservation and Parks

Access and Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement, de la Protection de la nature et des Parcs

Bureau de l'accès à l'information et de la protection de la vie privée

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075

Ontario

December 18, 2019

Najla Nureddin
WSP
582 Lancaster Street West
Kitchener, ON N2K 1M3

RECEIVED
DEC 23 2019

Dear Najla Nureddin:

RE: ***Freedom of Information and Protection of Privacy Act*** **Request**
Our File # A-2019-08622, Your Reference 191-05697-00

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 3380 6th Line, Oakville.

After a thorough search through the files of the Ministry's Halton Peel District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is $30.00 for 1 hour of search time @ $30.00 per hour. **We have applied the $30.00 for this request from your initial payment. This file is now closed.**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Dany Briollais at 416-314-4075 or dany.briollais@ontario.ca.

Yours truly,

Dalia Bouganim
Manager (A), Access and Privacy

APPENDIX

A-4 TSSA RESPONSE

Tsui, Elizabeth

From: Public Information Services <publicinformationservices@tssa.org>
Sent: December-12-19 11:32 AM
To: Nureddin, Najla
Subject: RE: Information request

Thank you for your inquiry.

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

For a further search in our fuels archives please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392 and email the completed form to publicinformationservices@tssa.org or through mail along with a fee of $56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

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

Thank you and have a great day,

Roxana

Public Information Agent
Facilities and Business Services
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: publicinformationservices@tssa.org
www.tssa.org

From: Nureddin, Najla <Najla.Nureddin@wsp.com>
Sent: December 12, 2019 10:04 AM
To: Public Information Services <publicinformationservices@tssa.org>
Cc: Tsui, Elizabeth <Elizabeth.Tsui@wsp.com>; Pattison, Anne <anne.pattison@wsp.com>
Subject: Information request

Hello

I would like to know if there are any aboveground or underground fuel storage tanks located at the following address:

3380 Sixth Line, Oakville, ON.

Thank you

Najla Nureddin
GIS Technician
Environment
WSP

582 Lancaster Street West
Kitchener, Ontario N2K 1M3

M+ 1 416-721-5414
najla.nureddin@wsp.com

APPENDIX

A-5 MNRF MAP

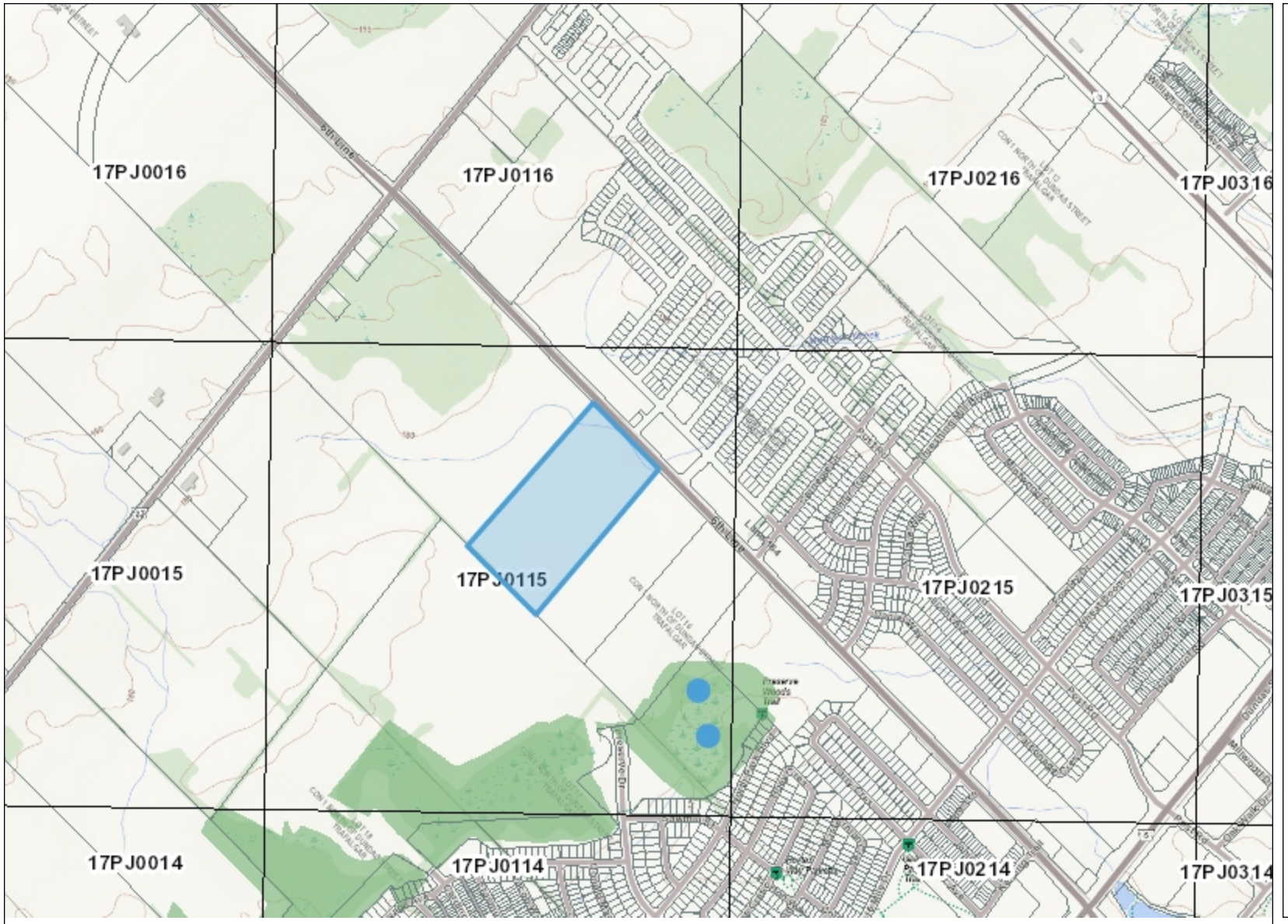
Ontario

Ministry of Natural Resources and Forestry

Make-a-Map: Natural Heritage Areas

3360 Sixth Line, Oakville

Notes: MNRF Mapping for ANSI



Legend

- Assessment Parcel
- Woodland
- Conservation Reserve
- Provincial Park
- Natural Heritage System
- Ecoregion

Wetland
- Provincially Significant Wetland Evaluated
- Non - Provincially Significant Wetland Evaluated
- Unevaluated Wetland

Area of Natural Heritage & Scientific Interest (ANSI)
- Provincially Significant Life Science ANSI
- Provincially Significant Earth Science ANSI

Greenbelt Plan
- Boundary
- River Valley Connections

Land Use Designations
- Protected Countryside
- Towns and Villages
- Hamlets
- Urban River Valley
- Specialty Crop Area

Niagara Escarpment Plan (NEP)
- Boundary
- Parks and Open Space System

Land Use Designations
- Escarpment Natural Area
- Escarpment Protection Area
- Escarpment Rural Area
- Mineral Resource Extraction Area
- Escarpment Recreation Area
- Urban Area
- Minor Urban Centre

Oak Ridges Moraine Conservation Plan (ORM)
- Boundary

Land Use Designations
- Natural Core Area
- Natural Linkage Area
- Countryside Area
- Rural Settlement
- Palgrave Estates Residential Community
- Settlement Area

0.6 0 0.32 0.6 Kilometers

This map should not be relied on as a precise indicator of routes or locations, nor as a guide to navigation. The Ontario Ministry of Natural Resources and Forestry(OMNRF) shall not be liable in any way for the use of, or reliance upon, this map or any information on this map.

APPENDIX

B ERIS REPORT

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*Digram Phase I ESA* *3380 Sixth Line* *Oakville ON L6M 4K1*
Project No:	*Opp 1971116*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*20191210016*
Requested by:	*WSP Canada Inc.*
Date Completed:	*December 13, 2019*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

Executive Summary

Property Information:

Project Property:	*Digram Phase I ESA* *3380 Sixth Line Oakville ON L6M 4K1*
Project No:	*Opp 1971116*

Order Information:

Order No:	*20191210016*
Date Requested:	*December 10, 2019*
Requested by:	*WSP Canada Inc.*
Report Type:	*Quote - Custom-Build Your Own Report*

Historical/Products:

Land Title Search	*Current Land Title Search*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	0	0
CA	Certificates of Approval	Y	0	0	0
CDRY	Dry Cleaning Facilities	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
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	2	1	3
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FED TANKS	Federal Identification Registry for Storage Tank Systems (FIRSTS)	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	Fuel Oil Spills and Leaks	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	1	1
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	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	18	18
	Total:		2	20	22

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	EHS		3380 6 Line Oakville ON L6M4K1	-/0.0	0.00	15
2	EHS		3380 Sixth Line Oakville ON L6M 4K1	-/0.0	-1.00	15

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
3	WWIS		OAKVILLE ON **Well ID:** 7114870	NNW/7.2	-0.09	15
4	WWIS		lot 16 con 1 ON **Well ID:** 2808261	N/16.6	-1.08	18
5	WWIS		Oakville ON **Well ID:** 7239287	ENE/19.5	-2.00	21
6	RSC		3369 SIXTH LINE, OAKVILLE, ON L6H 7C5 Oakville ON	NNE/23.7	-1.00	23
7	WWIS		lot 15 con 1 Oakville ON **Well ID:** 7287982	NE/53.9	-1.00	24
8	WWIS		lot 15 con 1 Oakville ON **Well ID:** 7287983	NE/56.0	-1.00	26
9	WWIS		ON **Well ID:** 7239777	NE/61.7	-1.00	27
10	WWIS		lot 15 con 1 Oakville ON **Well ID:** 7287981	NE/76.3	-1.00	30
11	WWIS		Oakville ON **Well ID:** 7239776	NE/78.7	-1.00	31
12	WWIS		Oakville ON **Well ID:** 7239775	NE/80.4	-1.00	34
13	WWIS		lot 15 con 1 OAKVILLE ON **Well ID:** 7199037	NE/104.2	-1.00	36
14	WWIS		ON	SSW/143.5	1.00	38

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 7212893			
15	WWIS		ON ***Well ID:*** 7305411	ESE/152.5	-2.00	39
16	WWIS		lot 15 con 1 ON ***Well ID:*** 7190550	NE/157.8	-1.00	39
17	EHS		Burnhamthorpe Rd W6 Line Oakville ON	SE/160.4	-2.00	41
18	WWIS		Oakville ON ***Well ID:*** 7239286	N/163.4	0.99	41
19	WWIS		lot 15 con 1 Oakville ON ***Well ID:*** 7287979	N/240.8	0.89	43
20	WWIS		lot 15 con 1 Oakville ON ***Well ID:*** 7287980	N/240.8	0.88	45
21	WWIS		OAKVILLE ON ***Well ID:*** 7054130	N/242.8	0.88	46
22	WWIS		OAKVILLE ON ***Well ID:*** 7238402	WSW/249.8	1.98	49

Executive Summary: Summary By Data Source

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Oct 31, 2019 has found that there are 3 EHS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	3380 6 Line Oakville ON L6M4K1	0.0	1
	3380 Sixth Line Oakville ON L6M 4K1	0.0	2
	Burnhamthorpe Rd W6 Line Oakville ON	160.4	17

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Nov 2019 has found that there are 1 RSC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	3369 SIXTH LINE, OAKVILLE, ON L6H 7C5 Oakville ON	23.7	6

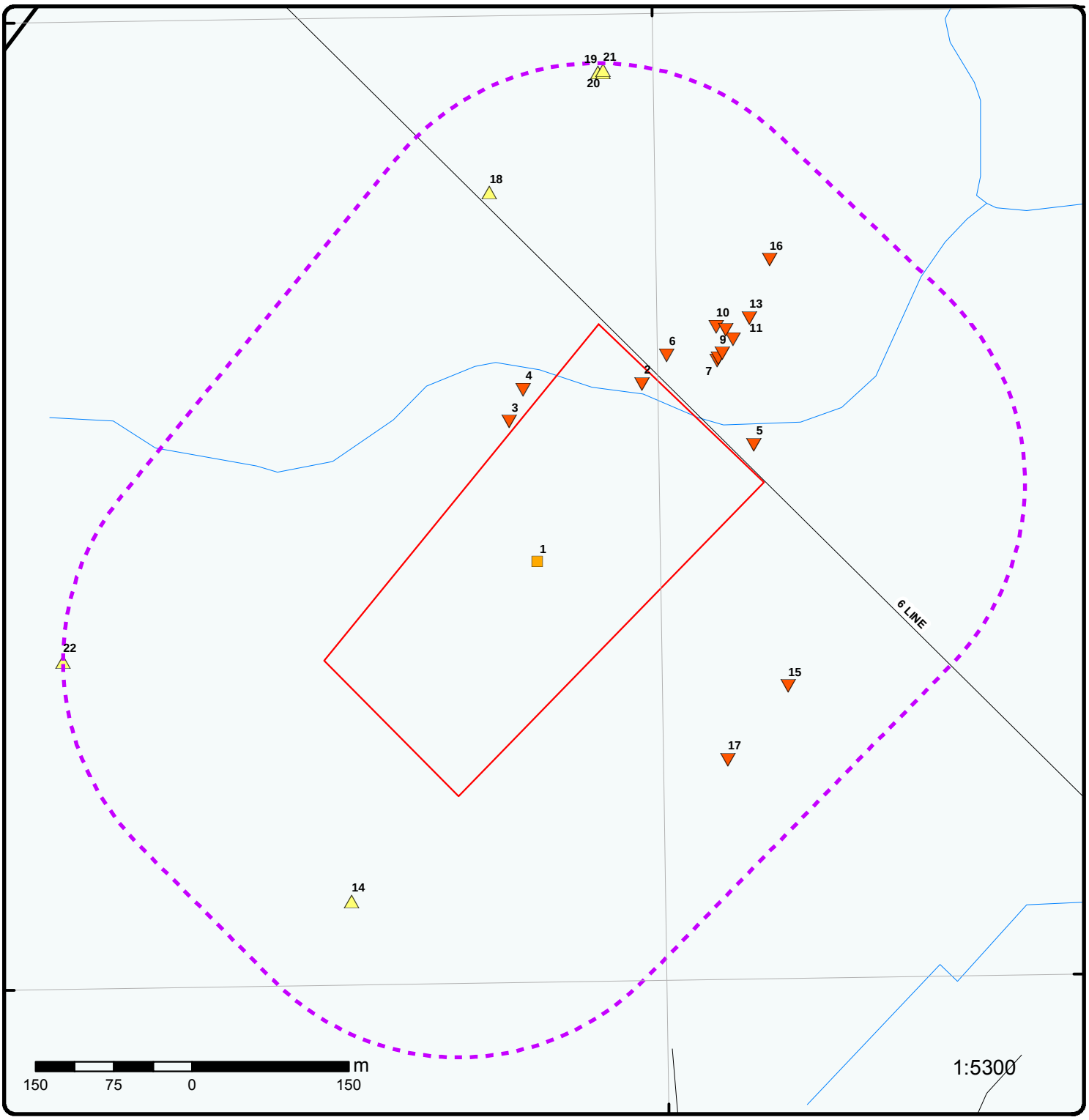
WWIS - Water Well Information System

A search of the WWIS database, dated Feb 28, 2019 has found that there are 18 WWIS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	OAKVILLE ON ***Well ID:*** 7114870	7.2	3
	lot 16 con 1 ON	16.6	4

Site	Address	Distance (m)	Map Key
	Well ID: 2808261		
	Oakville ON ***Well ID:*** 7239287	19.5	5
	lot 15 con 1 Oakville ON ***Well ID:*** 7287982	53.9	7
	lot 15 con 1 Oakville ON ***Well ID:*** 7287983	56.0	8
	ON ***Well ID:*** 7239777	61.7	9
	lot 15 con 1 Oakville ON ***Well ID:*** 7287981	76.3	10
	Oakville ON ***Well ID:*** 7239776	78.7	11
	Oakville ON ***Well ID:*** 7239775	80.4	12
	lot 15 con 1 OAKVILLE ON ***Well ID:*** 7199037	104.2	13
	ON ***Well ID:*** 7212893	143.5	14
	ON ***Well ID:*** 7305411	152.5	15
	lot 15 con 1 ON ***Well ID:*** 7190550	157.8	16

Site	Address	Distance (m)	Map Key
	Oakville ON ***Well ID:*** 7239286	163.4	18
	lot 15 con 1 Oakville ON ***Well ID:*** 7287979	240.8	19
	lot 15 con 1 Oakville ON ***Well ID:*** 7287980	240.8	20
	OAKVILLE ON ***Well ID:*** 7054130	242.8	21
	OAKVILLE ON ***Well ID:*** 7238402	249.8	22



Map : 0.25 Kilometer Radius

Order No: 20191210016
Address: 3380 Sixth Line, Oakville, ON, L6M 4K1

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

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

Source: © 2015 DMTI Spatial Inc.

79°45'W

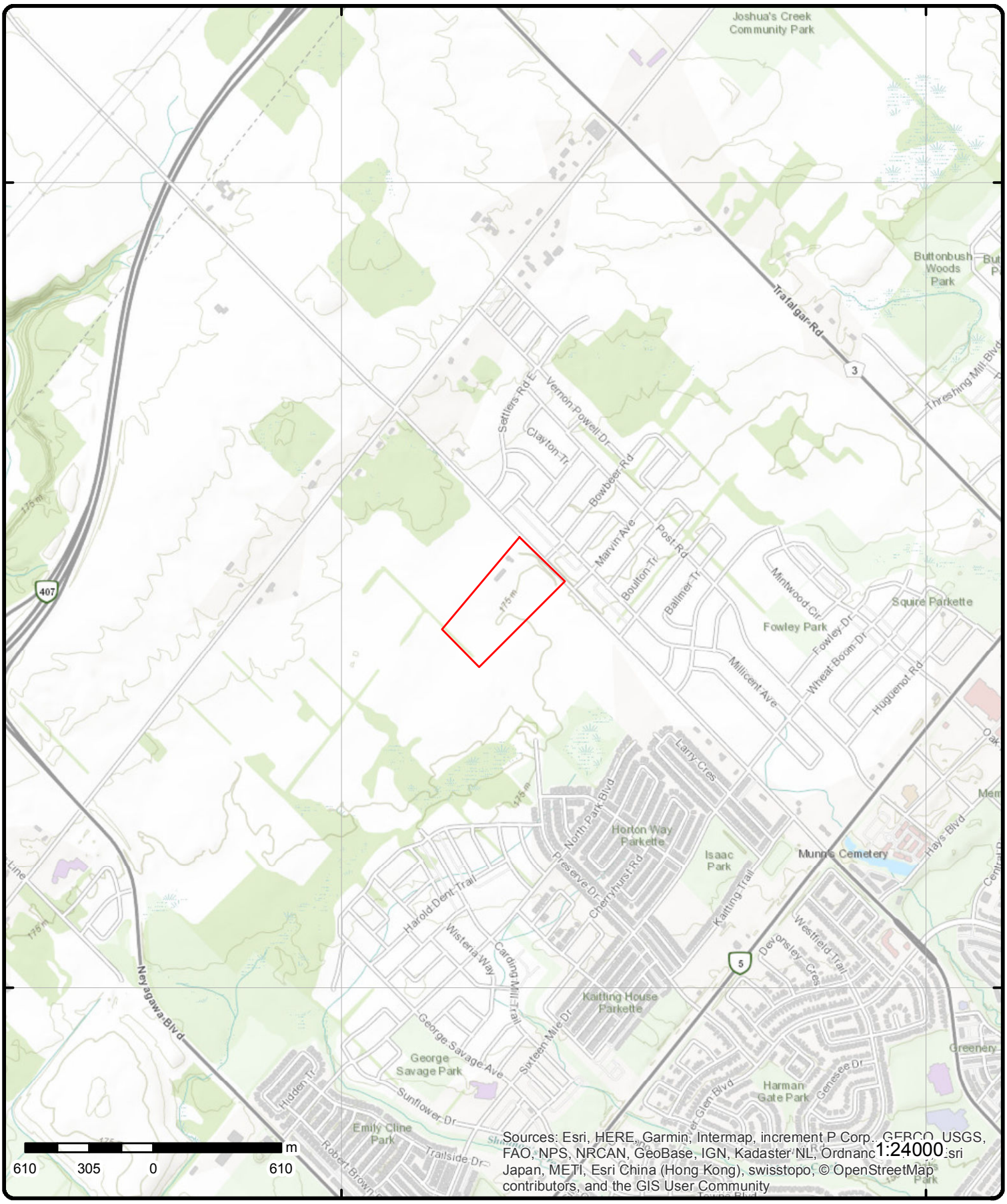
Aerial (2017)

Address: 3380 Sixth Line, Oakville, ON, L6M 4K1

Source: ESRI World Imagery

Order No: 20191210016

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



Topographic Map

Order No: 20191210016

Address: 3380 Sixth Line, Oakville, ON, L6M 4K1

Source: ESRI World Topographic Map

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	-/0.0	177.8 / 0.00	3380 6 Line Oakville ON L6M4K1	EHS

Order No:	20130617042	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	26-JUN-13	**Search Radius (km):**	.3
Date Received:	17-JUN-13	**X:**	-79.743159
Previous Site Name:		**Y:**	43.486964
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	-/0.0	176.8 / -1.00	3380 Sixth Line Oakville ON L6M 4K1	EHS

Order No:	20130220042	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	RSC Report (Rural)	**Client Prov/State:**	ON
Report Date:	27-FEB-13	**Search Radius (km):**	.3
Date Received:	20-FEB-13	**X:**	0
Previous Site Name:		**Y:**	0
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	1 of 1	NNW/7.2	177.8 / -0.09	OAKVILLE ON	WWIS

Well ID:	7114870	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring and Test Hole	**Date Received:**	11/12/2008
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Monitoring and Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	6809
Casing Material:		**Form Version:**	7
Audit No:	Z82815	**Owner:**	
Tag:	A073764	**Street Name:**	6 LINE SOUTH OF BURNHAMTHORPE
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	OAKVILLE TOWN
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1001881363	**Elevation:**	176.282562

DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	601604
Code OB Desc:		**North83:**	4815794
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	9/16/2008	**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:			

Overburden and Bedrock Materials Interval

Formation ID:	1001960304
Layer:	3
Color:	7
General Color:	RED
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	17
Formation End Depth:	22
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1001960303
Layer:	2
Color:	7
General Color:	RED
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Other Materials:	SILT
Mat3:	34
Other Materials:	TILL
Formation Top Depth:	1
Formation End Depth:	17
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1001960302
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0

Formation End Depth:	1
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1001960307
Layer:	2
Plug From:	15
Plug To:	22
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1001960306
Layer:	1
Plug From:	0
Plug To:	15
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	
Method Construction Code:	B
Method Construction:	Other Method
Other Method Construction:	AUGER

Pipe Information

Pipe ID:	1001960301
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1001960309
Layer:	
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1001960310
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

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

Hole Diameter

Hole ID:	1001960305
Diameter:	8
Depth From:	0
Depth To:	22
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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4 | ***1 of 1*** | ***N/16.6*** | ***176.8 / -1.08*** | ***lot 16 con 1 ON*** | ***WWIS***

Well ID:	2808261	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	8/24/1994
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1660
Casing Material:		***Form Version:***	1
Audit No:	74890	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	HALTON
Elevation (m):		***Municipality:***	OAKVILLE TOWN
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	016
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	DS N
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:	10154518	***Elevation:***	176.083847
DP2BR:	17	***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	r	***East83:***	601617.2
Code OB Desc:	Bedrock	***North83:***	4815825
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	3
Date Completed:	9/29/1993	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	gps
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931450881
Layer:	2
Color:	7
General Color:	RED
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	

Other Materials:
Formation Top Depth: 14
Formation End Depth: 17
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931450880
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 14
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931450882
Layer: 3
Color: 7
General Color: RED
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 17
Formation End Depth: 60
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10703088
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930262897
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 60

Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930262896
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 992808261
Pump Set At:
Static Level: 16
Final Level After Pumping: 49
Recommended Pump Depth: 52
Pumping Rate: 10
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: 934975196
Test Type: Draw Down
Test Duration: 60
Test Level: 49
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934446426
Test Type: Draw Down
Test Duration: 30
Test Level: 49
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934713900
Test Type: Draw Down
Test Duration: 45
Test Level: 49
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934181263
Test Type:	Draw Down
Test Duration:	15
Test Level:	31
Test Level UOM:	ft

Water Details

Water ID:	933611992
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	56
Water Found Depth UOM:	ft

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5 | ***1 of 1*** | ***ENE/19.5*** | ***175.8 / -2.00*** | ***Oakville ON*** | ***WWIS***

Well ID:	7239287	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	4/6/2015
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7472
Casing Material:		**Form Version:**	7
Audit No:	Z208547	**Owner:**	
Tag:	A179683	**Street Name:**	6 LINE & BURNHAMTHORPE
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	OAKVILLE TOWN
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1005319254	**Elevation:**	175.948333
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	601838
Code OB Desc:		**North83:**	4815772
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	3/14/2015	**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:			

Overburden and Bedrock Materials Interval

Formation ID:	1005519254
Layer:	2

Color:	6
General Color:	BROWN
Mat1:	10
Most Common Material:	COARSE SAND
Mat2:	06
Other Materials:	SILT
Mat3:	66
Other Materials:	DENSE
Formation Top Depth:	0.9
Formation End Depth:	3.6
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005519253
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	01
Other Materials:	FILL
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	0
Formation End Depth:	0.9
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005519261
Layer:	1
Plug From:	0
Plug To:	2.5
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005519262
Layer:	2
Plug From:	2.5
Plug To:	3.6
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	1005519252
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1005519257
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	2.5
Casing Diameter:	1.9
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1005519258
Layer:	1
Slot:	10
Screen Top Depth:	2.5
Screen End Depth:	3.6
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	2.3

Hole Diameter

Hole ID:	1005519255
Diameter:	21
Depth From:	0
Depth To:	3.6
Hole Depth UOM:	m
Hole Diameter UOM:	cm

6	***1 of 1***	***NNE/23.7***	***176.8 / -1.00***	***3369 SIXTH LINE, OAKVILLE, ON L6H 7C5 Oakville ON***	***RSC***

RSC ID:	218828	***Cert Date:***	
RA No:		***Cert Prop Use No:***	
RSC Type:	Phase 1 and 2 RSC	***Intended Prop Use:***	Residential
Curr Property Use:	Agricultural/Other	***Qual Person Name:***	PHILIP ROMERIL
Ministry District:	Halton-Peel District Office	***Stratified (Y/N):***	
Filing Date:	2015/09/03	***Audit (Y/N):***	
Date Ack:		***Entire Leg Prop. (Y/N):***	
Date Returned:		***Accuracy Estimate:***	
Restoration Type:		***Telephone:***	
Soil Type:		***Fax:***	
Criteria:		***Email:***	
CPU Issued Sect 1686:			

Asmt Roll No:	2401-010-030-14302-0000, 2401-010-030-14504-0000, 2401-010-030-14500-0000, 2401-010-030-14503-0000, 2401-010-030-14303-0000
Prop ID No (PIN):	24929-0259 (LT)
Property Municipal Address:	3369 SIXTH LINE, OAKVILLE, ON L6H 7C5
Mailing Address:	
Latitude & Latitude:	
UTM Coordinates:	
Consultant:	
Filing Owner:	EMGO (NORTH OAKVILLE I) LTD.
Legal Desc:	
Measurement Method:	

Applicable Standards:
RSC PDF: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=53087&fileName=BROWNFIELDS-E.pdf

Document(s) Detail

Document Heading: Supporting Documents
Document Name: Survey.pdf
Document Type: A Current plan of Survey
Document Link: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=53084&fileName=Survey.pdf

Document Heading: Supporting Documents
Document Name: Certificate of Status of Emgo.pdf
Document Type: Certificate of Status
Document Link: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=53093&fileName=Certificate+of+Status+of+Emgo.pdf

Document Heading: Supporting Documents
Document Name: Table of APEC.pdf
Document Type: Area(s) of Potential Environmental Concern
Document Link: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=53085&fileName=Table+of+APEC.pdf

Document Heading: Supporting Documents
Document Name: phase2.pdf
Document Type: Phase 2 Conceptual Site Model
Document Link: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=54628&fileName=phase2.pdf

Document Heading: Supporting Documents
Document Name: CPTable.pdf
Document Type: Table of Current and Past Property Use
Document Link: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=54629&fileName=CPTable.pdf

Document Heading: Supporting Documents
Document Name: transfer.pdf
Document Type: Copy of any deed(s), transfer(s) or other document(s)
Document Link: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=54642&fileName=transfer.pdf

Document Heading: Supporting Documents
Document Name: Lawyers Letter.pdf
Document Type: Lawyer's letter consisting of a legal description of the property
Document Link: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=53090&fileName=Lawyers+Letter.pdf

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7 | ***1 of 1*** | ***NE/53.9*** | ***176.8 / -1.00*** | ***lot 15 con 1 Oakville ON*** | ***WWIS***

Well ID:	7287982	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:		***Date Received:***	6/12/2017
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Abandoned-Other	***Abandonment Rec:***	Yes
Water Type:		***Contractor:***	7523
Casing Material:		***Form Version:***	7
Audit No:	Z254644	***Owner:***	
Tag:	A179489	***Street Name:***	3369 6TH LINE
Construction Method:		***County:***	HALTON
Elevation (m):		***Municipality:***	OAKVILLE TOWN
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	015
Well Depth:		***Concession:***	01

Overburden/Bedrock:		***Concession Name:***	DS N
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:	1006524880	***Elevation:***	176.603012
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	601803
Code OB Desc:		***North83:***	4815853
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	5/22/2017	***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:			

Annular Space/Abandonment Sealing Record

Plug ID:	1006720724
Layer:	1
Plug From:	0
Plug To:	6.1
Plug Depth UOM:	ft

Pipe Information

Pipe ID:	1006720717
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006720721
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	6.1
Casing Diameter:	5.08
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006720722
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft

Screen Diameter UOM: inch
Screen Diameter:

Hole Diameter

Hole ID: 1006720719
Diameter:
Depth From:
Depth To:
Hole Depth UOM: ft
Hole Diameter UOM: inch

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8 | **1 of 1** | **NE/56.0** | **176.8 / -1.00** | **lot 15 con 1 Oakville ON** | **WWIS**

Well ID: 7287983
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z254643
Tag: A179490
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: 6/12/2017
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 7523
Form Version: 7
Owner:
Street Name: 3369 6TH LINE
County: HALTON
Municipality: OAKVILLE TOWN
Site Info:
Lot: 015
Concession: 01
Concession Name: DS N
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1006524920
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 5/22/2017
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 176.668807
Elevrc:
Zone: 17
East83: 601804
North83: 4815855
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1006720732
Layer: 1
Plug From: 0
Plug To: 6.1
Plug Depth UOM: m

Pipe Information

Pipe ID:	1006720725
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006720729
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	6.1
Casing Diameter:	5.08
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1006720730
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Hole Diameter

Hole ID:	1006720727
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	m
Hole Diameter UOM:	cm

9 ***1 of 1*** ***NE/61.7*** ***176.8 / -1.00*** ***ON*** ***WWIS***

Well ID:	7239777	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Monitoring	***Date Received:***	4/9/2015
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	0	***Abandonment Rec:***	
Water Type:		***Contractor:***	7241
Casing Material:		***Form Version:***	7
Audit No:	Z182980	***Owner:***	
Tag:	A179491	***Street Name:***	
Construction Method:		***County:***	HALTON
Elevation (m):		***Municipality:***	OAKVILLE TOWN
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	

Flow Rate: ***UTM Reliability:***
Clear/Cloudy:

Bore Hole Information

Bore Hole ID:	1005322432	***Elevation:***	176.777191
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	601808
Code OB Desc:		***North83:***	4815859
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	2/17/2015	***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:			

Overburden and Bedrock Materials Interval

Formation ID:	1005575696
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	05
Other Materials:	CLAY
Mat3:	66
Other Materials:	DENSE
Formation Top Depth:	0
Formation End Depth:	13
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1005575697
Layer:	2
Color:	7
General Color:	RED
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	13
Formation End Depth:	20
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005575707
Layer:	3
Plug From:	12
Plug To:	20

Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005575706
Layer: 2
Plug From: 1
Plug To: 12
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005575705
Layer: 1
Plug From: 0
Plug To: 1
Plug Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 1005575695
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005575701
Layer: 2
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1005575700
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 13
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID:	1005575702
Layer:	1
Slot:	10
Screen Top Depth:	13
Screen End Depth:	20
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.25

Hole Diameter

Hole ID:	1005575698
Diameter:	6.25
Depth From:	0
Depth To:	20
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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10 | ***1 of 1*** | ***NE/76.3*** | ***176.8 / -1.00*** | ***lot 15 con 1 Oakville ON*** | ***WWIS***

Well ID:	7287981	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	6/12/2017
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	7523
Casing Material:		**Form Version:**	7
Audit No:	Z254646	**Owner:**	
Tag:	A179491	**Street Name:**	3369 6TH LINE
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	OAKVILLE TOWN
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	015
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	DS N
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:	1006524877	**Elevation:**	177.945785
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	601802
Code OB Desc:		**North83:**	4815885
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	5/22/2017	**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:			

Annular Space/Abandonment Sealing Record

Plug ID:	1006720716
Layer:	1
Plug From:	0
Plug To:	6.1
Plug Depth UOM:	m

Pipe Information

Pipe ID:	1006720709
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006720713
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	6.1
Casing Diameter:	5.08
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1006720714
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Hole Diameter

Hole ID:	1006720711
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	m
Hole Diameter UOM:	cm

11 ***1 of 1*** ***NE/78.7*** ***176.8 / -1.00*** ***Oakville ON*** ***WWIS***

Well ID:	7239776	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Monitoring	***Date Received:***	4/9/2015
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	0	***Abandonment Rec:***	
Water Type:		***Contractor:***	7241
Casing Material:		***Form Version:***	7
Audit No:	Z206201	***Owner:***	
Tag:	A179490	***Street Name:***	3369 6TH LINE
Construction Method:		***County:***	HALTON

Elevation (m):		***Municipality:***	OAKVILLE TOWN
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1005322429	***Elevation:***	177.237838
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	601818
Code OB Desc:		***North83:***	4815873
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	2/17/2015	***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:			

Overburden and Bedrock Materials Interval

Formation ID:	1005574589
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	05
Other Materials:	CLAY
Mat3:	66
Other Materials:	DENSE
Formation Top Depth:	0
Formation End Depth:	13
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1005574590
Layer:	2
Color:	7
General Color:	RED
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	13
Formation End Depth:	20
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005574598
Layer:	2
Plug From:	1
Plug To:	12
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005574599
Layer:	3
Plug From:	12
Plug To:	20
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005574597
Layer:	1
Plug From:	0
Plug To:	1
Plug Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	1005574588
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1005574593
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	13
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1005574594
Layer:	1
Slot:	10
Screen Top Depth:	13

Screen End Depth:	20
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.25

Hole Diameter

Hole ID:	1005574591
Diameter:	6.25
Depth From:	0
Depth To:	20
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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12 | ***1 of 1*** | ***NE/80.4*** | ***176.8 / -1.00*** | ***Oakville ON*** | ***WWIS***

Well ID:	7239775	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	4/9/2015
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	0	**Abandonment Rec:**	
Water Type:		**Contractor:**	7241
Casing Material:		**Form Version:**	7
Audit No:	Z206202	**Owner:**	
Tag:	A179489	**Street Name:**	3369 6TH LINE
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	OAKVILLE TOWN
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1005322426	**Elevation:**	177.701828
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	601811
Code OB Desc:		**North83:**	4815882
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	2/17/2015	**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:			

Overburden and Bedrock Materials Interval

Formation ID:	1005574461
Layer:	2

Color:	7
General Color:	RED
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	91
Other Materials:	WATER-BEARING
Formation Top Depth:	13
Formation End Depth:	20
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1005574460
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	05
Other Materials:	CLAY
Mat3:	66
Other Materials:	DENSE
Formation Top Depth:	0
Formation End Depth:	13
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005574470
Layer:	3
Plug From:	11
Plug To:	20
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005574469
Layer:	2
Plug From:	1
Plug To:	11
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005574468
Layer:	1
Plug From:	0
Plug To:	1
Plug Depth UOM:	ft

Method of Construction & Well Use

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

Other Method Construction:

Pipe Information

Pipe ID: 1005574459
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005574464
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 12
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1005574465
Layer: 1
Slot: 10
Screen Top Depth: 12
Screen End Depth: 20
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.25

Hole Diameter

Hole ID: 1005574462
Diameter: 6.25
Depth From: 0
Depth To: 20
Hole Depth UOM: ft
Hole Diameter UOM: inch

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13 | ***1 of 1*** | ***NE/104.2*** | ***176.8 / -1.00*** | ***lot 15 con 1 OAKVILLE ON*** | ***WWIS***

Well ID: 7199037
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z143857
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:

Data Entry Status:
Data Src:
Date Received: 3/21/2013
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 3349
Form Version: 7
Owner:
Street Name: 3369 6TH LINE
County: HALTON
Municipality: OAKVILLE TOWN
Site Info:
Lot: 015
Concession: 01
Concession Name: DS N
Easting NAD83:
Northing NAD83:

Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1004266233
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation: 177.622024
Elevrc:
Zone: 17
East83: 601834
North83: 4815893
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1004923552
Layer: 1
Plug From: 7
Plug To: 6
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004923553
Layer: 2
Plug From: 6
Plug To: 4
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004923554
Layer: 3
Plug From: 4
Plug To: 0
Plug Depth UOM: m

Pipe Information

Pipe ID: 1004923545
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004923549
Layer: 1
Material:

Open Hole or Material:	
Depth From:	7
Depth To:	0
Casing Diameter:	152.4
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1004923550
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Hole Diameter

Hole ID:	1004923547
Diameter:	160.02
Depth From:	0
Depth To:	7
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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14 **1 of 1** **SSW/143.5** **178.8 / 1.00** **ON** **WWIS**

Well ID:	7212893	**Data Entry Status:**	Yes
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	12/11/2013
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:		**Abandonment Rec:**	
Water Type:		**Contractor:**	6607
Casing Material:		**Form Version:**	8
Audit No:	C22132	**Owner:**	
Tag:	A146815	**Street Name:**	
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	OAKVILLE TOWN
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1004665586	**Elevation:**	177.948608
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	601453
Code OB Desc:		**North83:**	4815335
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	9/4/2013	**UTMRC Desc:**	margin of error : 30 m - 100 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: wwr

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15 **1 of 1** **ESE/152.5** **175.8 / -2.00** **ON** **WWIS**

Well ID: 7305411
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status:
Water Type:
Casing Material:
Audit No: C39254
Tag: A218372
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: Yes
Data Src:
Date Received: 2/12/2018
Selected Flag: Yes
Abandonment Rec:
Contractor: 6946
Form Version: 8
Owner:
Street Name:
County: HALTON
Municipality: OAKVILLE TOWN
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1006983842
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83: 601871
North83: 4815541
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

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16 **1 of 1** **NE/157.8** **176.8 / -1.00** **lot 15 con 1 ON** **WWIS**

Well ID: 7190550
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z157305
Tag: A127161

Data Entry Status:
Data Src:
Date Received: 10/30/2012
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 7219
Form Version: 7
Owner:
Street Name: S/W CORNER OF DIXIE AND COUNTRYSIDE DR

Construction Method:		***County:***	HALTON
Elevation (m):		***Municipality:***	OAKVILLE TOWN
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	015
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	DS N
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:	1004190249	***Elevation:***	176.810928
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	601853
Code OB Desc:		***North83:***	4815949
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	9
Date Completed:	7/25/2012	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1004528454
Layer:	2
Plug From:	13
Plug To:	15
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1004528453
Layer:	1
Plug From:	0
Plug To:	13
Plug Depth UOM:	ft

Pipe Information

Pipe ID:	1004528445
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004528449
Layer:	1
Material:	
Open Hole or Material:	
Depth From:	0

Depth To: 15
Casing Diameter: 48
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1004528450
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Hole Diameter

Hole ID: 1004528447
Diameter: 48
Depth From: 0
Depth To: 15
Hole Depth UOM: ft
Hole Diameter UOM: inch

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17 | **1 of 1** | **SE/160.4** | **175.8 / -2.00** | **Burnhamthorpe Rd W6 Line, Oakville ON** | **EHS**

Order No: 20170216013
Status: C
Report Type: Custom Report
Report Date: 17-FEB-17
Date Received: 16-FEB-17
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -79.74094
Y: 43.485224

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18 | **1 of 1** | **N/163.4** | **178.8 / 0.99** | **Oakville ON** | **WWIS**

Well ID: 7239286
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z208546
Tag: A179682
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: 4/6/2015
Selected Flag: Yes
Abandonment Rec:
Contractor: 7472
Form Version: 7
Owner:
Street Name: 6 LINE & BURNHAMTHORPE
County: HALTON
Municipality: OAKVILLE TOWN
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	1005319251	***Elevation:***	177.224807
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	601585
Code OB Desc:		***North83:***	4816013
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	3/14/2015	***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:			

Overburden and Bedrock Materials Interval

Formation ID:	1005518003
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	01
Most Common Material:	FILL
Mat2:	09
Other Materials:	MEDIUM SAND
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	0
Formation End Depth:	0.09
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005518004
Layer:	2
Color:	2
General Color:	GREY
Mat1:	06
Most Common Material:	SILT
Mat2:	05
Other Materials:	CLAY
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	0.09
Formation End Depth:	7.6
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005518011
Layer:	1
Plug From:	0
Plug To:	5.8
Plug Depth UOM:	m

Annular Space/Abandonment

Sealing Record

Plug ID:	1005518012
Layer:	2
Plug From:	5.8
Plug To:	7.6
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	1005518002
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1005518007
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	6.1
Casing Diameter:	1.9
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1005518008
Layer:	1
Slot:	10
Screen Top Depth:	6.1
Screen End Depth:	7.6
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	2.3

Hole Diameter

Hole ID:	1005518005
Diameter:	21
Depth From:	0
Depth To:	7.6
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	1 of 1	N/240.8	178.7 / 0.89	lot 15 con 1 Oakville ON	WWIS

Well ID:	7287979	***Data Entry Status:***	
Construction Date:		***Data Src:***	

Primary Water Use:		**Date Received:**	6/12/2017
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	7523
Casing Material:		**Form Version:**	7
Audit No:	Z254645	**Owner:**	
Tag:		**Street Name:**	3369 SIXTY LINE
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	OAKVILLE TOWN
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	015
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	DS N
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:	1006524828	**Elevation:**	177.466995
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	601689
Code OB Desc:		**North83:**	4816128
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	5/22/2017	**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:			

Annular Space/Abandonment Sealing Record

Plug ID:	1006720700
Layer:	1
Plug From:	0
Plug To:	6.1
Plug Depth UOM:	m

Pipe Information

Pipe ID:	1006720693
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006720697
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	6.1
Casing Diameter:	5.08

Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1006720698
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Hole Diameter

Hole ID: 1006720695
Diameter:
Depth From:
Depth To:
Hole Depth UOM: m
Hole Diameter UOM: cm

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20 | ***1 of 1*** | ***N/240.8*** | ***178.7 / 0.88*** | ***lot 15 con 1 Oakville ON*** | ***WWIS***

Well ID: 7287980
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z254655
Tag: A062231
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: 6/12/2017
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 7523
Form Version: 7
Owner:
Street Name: 3369 SIXTY LINE
County: HALTON
Municipality: OAKVILLE TOWN
Site Info:
Lot: 015
Concession: 01
Concession Name: DS N
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1006524831
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 5/22/2017
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:

Elevation: 177.482681
Elevrc:
Zone: 17
East83: 601694
North83: 4816128
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Annular Space/Abandonment Sealing Record

Plug ID:	1006720708
Layer:	1
Plug From:	0
Plug To:	9.144
Plug Depth UOM:	m

Pipe Information

Pipe ID:	1006720701
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006720705
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	9.144
Casing Diameter:	5.08
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1006720706
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Hole Diameter

Hole ID:	1006720703
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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21 ***1 of 1*** ***N/242.8*** ***178.7 / 0.88*** ***OAKVILLE ON*** ***WWIS***

Well ID:	7054130	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Monitoring	***Date Received:***	12/24/2007
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Observation Wells	***Abandonment Rec:***	

Water Type:		***Contractor:***	6809
Casing Material:		***Form Version:***	4
Audit No:	Z69295	***Owner:***	
Tag:	A062231	***Street Name:***	BURNHAMTROPE ROAD & 6TH LINE
Construction Method:		***County:***	HALTON
Elevation (m):		***Municipality:***	OAKVILLE TOWN
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	23054130	***Elevation:***	177.487915
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	601694
Code OB Desc:		***North83:***	4816130
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	3
Date Completed:	11/2/2007	***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:			

Overburden and Bedrock Materials Interval

Formation ID:	1001496680
Layer:	2
Color:	7
General Color:	RED
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	11
Formation End Depth:	35
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1001496679
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	34
Other Materials:	TILL
Mat3:	73

Other Materials: HARD
Formation Top Depth: 0
Formation End Depth: 11
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1001496682
Layer: 1
Plug From: 0
Plug To: 28
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1001496683
Layer: 2
Plug From: 28
Plug To: 35
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction: BORING

Pipe Information

Pipe ID: 1001496677
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1001496685
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To: 30
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1001496686
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM:
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID:	1001496678
Pump Set At:	
Static Level:	
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:	0
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	

Hole Diameter

Hole ID:	1001496681
Diameter:	11
Depth From:	
Depth To:	35
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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22 ***1 of 1*** ***WSW/249.8*** ***179.8 / 1.98*** ***OAKVILLE ON*** ***WWIS***

Well ID:	7238402	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Monitoring and Test Hole	***Date Received:***	3/17/2015
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Observation Wells	***Abandonment Rec:***	
Water Type:		***Contractor:***	7247
Casing Material:		***Form Version:***	7
Audit No:	Z198514	***Owner:***	
Tag:	A161591	***Street Name:***	382 BURNHAMTHORPE RD. W
Construction Method:		***County:***	HALTON
Elevation (m):		***Municipality:***	OAKVILLE TOWN
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1005313323	***Elevation:***	178.214431
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	601177
Code OB Desc:		***North83:***	4815564
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4

Date Completed: 6/30/2014
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1005560596
Layer: 3
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 84
Other Materials: SILTY
Mat3: 28
Other Materials: SAND
Formation Top Depth: 0.9
Formation End Depth: 5
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1005560594
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3: 77
Other Materials: LOOSE
Formation Top Depth: 0
Formation End Depth: 0.15
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1005560595
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 84
Other Materials: SILTY
Mat3: 11
Other Materials: GRAVEL
Formation Top Depth: 0.15
Formation End Depth: 0.9
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005560604
Layer: 1
Plug From: 0
Plug To: 9
Plug Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 1005560593
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005560599
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 10
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1005560600
Layer: 1
Slot: 10
Screen Top Depth: 10
Screen End Depth: 15
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.125

Hole Diameter

Hole ID: 1005560597
Diameter: 8.25
Depth From: 0
Depth To: 15
Hole Depth UOM: ft
Hole Diameter UOM: inch

Unplottable Summary

Total: 14 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	Uptown Core Lands	Lot 14, 15, Concession 1	Oakville ON	
ECA	EMGO (North Oakville I) Ltd.	Part of Lot 15, Concession 1	Oakville ON	L7M 4P8
EHS		Part of Lot 15, Concession 1, North of Dundas Street, Geographic Township of Oakville, Regional	Oakville ON	
SPL	Terratec Environmental Ltd.	Lot 15 Con 1 NDS	Oakville ON	
WWIS		con 1	ON	
WWIS		con 1	ON	
WWIS		con 1	ON	
WWIS		con 1	ON	
WWIS		con 1	ON	
WWIS		con 1	ON	
WWIS		con 1	ON	
WWIS		con 1	ON	
WWIS		con 1	ON	
WWIS		con 1	ON	

Unplottable Report

Site: ***Uptown Core Lands***
Lot 14, 15, Concession 1 Oakville ON

Database: ***CA***

Certificate #:	4266-4M6KV7
Application Year:	00
Issue Date:	7/13/00
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Silwell Developments Limited
Client Address:	1 Yorkdale Road, Suite 510
Client City:	Toronto
Client Postal Code:	M6A 3A1
Project Description:	Construction of storm sewers, sanitary sewers on Roxton Road, Littlewood Drive, and Georgian Drive. Construction of foundation drain collector sewers on Georgian Drive, Littlewood Drive.
Contaminants:	
Emission Control:	

Site: ***EMGO (North Oakville I) Ltd.***
Part of Lot 15, Concession 1 Oakville ON L7M 4P8

Database: ***ECA***

Approval No:	3267-AZJN9A	***MOE District:***	
Approval Date:	2018-06-15	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:	Part of Lot 15, Concession 1
Full Address:	
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/5094-AZHNMK-14.pdf

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Site:
Part of Lot 15, Concession 1, North of Dundas Street, Geographic Township of Oakville, Regional Oakville ON

Database: ***EHS***

Order No:	20110506032	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Custom Report	***Client Prov/State:***	ON
Report Date:	5/17/2011	***Search Radius (km):***	0.25
Date Received:	5/6/2011 4:52:57 PM	***X:***	-79.732713
Previous Site Name:		***Y:***	1
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans		

Site: ***Terratec Environmental Ltd.***
Lot 15 Con 1 NDS Oakville ON

Database: ***SPL***

Ref No:	1073-5S4PFZ	***Discharger Report:***	
Site No:		***Material Group:***	Waste
Incident Dt:	10/7/2003	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Process Upset	***Sector Type:***	Other
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	

Contaminant Name:	Liquid Sewage	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	Halton-Peel
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	Central
Environment Impact:	Possible	***Site Municipality:***	Oakville
Nature of Impact:	Soil Contamination; Surface Water Pollution	***Site Lot:***	
Receiving Medium:	Land & Water	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	10/7/2003	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Spills
Incident Reason:	Equipment Failure	***Source Type:***	
Site Name:	FARM FIELD AT NE CORNER OF 6TH LINE AND DUNDAS STREET<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Terratec Env: <50 Gal biosolids spill		
Contaminant Qty:	227.5 L		

Site: ***Database:*** ***WWIS***

con 1 ON

Well ID:	2809817	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Not Used	***Date Received:***	11/10/2003
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Abandoned-Other	***Abandonment Rec:***	
Water Type:		***Contractor:***	7215
Casing Material:		***Form Version:***	2
Audit No:	259729	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	HALTON
Elevation (m):		***Municipality:***	OAKVILLE TOWN
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	DS S
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:	11098120	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	_	***East83:***	
Code OB Desc:	No formation data	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	10/18/2003	***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:

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

Pipe Information

Pipe ID: 11101835
Casing No: 1
Comment:
Alt Name:

Site:
con 1 ON

Database: ***WWIS***

Well ID: 2809497
Construction Date:
Primary Water Use: Commerical
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 234052
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: 12/14/2001
Selected Flag: Yes
Abandonment Rec:
Contractor: 1660
Form Version: 1
Owner:
Street Name:
County: HALTON
Municipality: OAKVILLE TOWN
Site Info:
Lot:
Concession: 01
Concession Name: DS N
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10518551
DP2BR: 46
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 1/5/2001
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 932838881
Layer: 5
Color: 7
General Color: RED
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:

Formation Top Depth: 46
Formation End Depth: 80
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932838877
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: 22
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932838878
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 81
Other Materials: SANDY
Mat3:
Other Materials:
Formation Top Depth: 22
Formation End Depth: 30
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932838879
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 84
Other Materials: SILTY
Mat3:
Other Materials:
Formation Top Depth: 30
Formation End Depth: 41
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932838880
Layer: 4
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2:

Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 41
Formation End Depth: 46
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933221257
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 11067121
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930264892
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To:
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930264891
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 992809497
Pump Set At:
Static Level: 32
Final Level After Pumping: 68
Recommended Pump Depth: 70
Pumping Rate: 5
Flowing Rate:

Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 30
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934458203
Test Type: Draw Down
Test Duration: 30
Test Level: 51
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934175812
Test Type: Draw Down
Test Duration: 15
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934978482
Test Type: Draw Down
Test Duration: 60
Test Level: 68
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934716703
Test Type: Draw Down
Test Duration: 45
Test Level: 62
Test Level UOM: ft

Water Details

Water ID: 934010628
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 70
Water Found Depth UOM: ft

Site:
con 1 ON

Database: ***WWIS***

Well ID: 2809498
Construction Date:
Primary Water Use: Commerical
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 234053
Tag:
Construction Method:

Data Entry Status:
Data Src: 1
Date Received: 12/14/2001
Selected Flag: Yes
Abandonment Rec:
Contractor: 1660
Form Version: 1
Owner:
Street Name:
County: HALTON

Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Municipality: OAKVILLE TOWN
Site Info:
Lot:
Concession: 01
Concession Name: DS N
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10518552
DP2BR: 48
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 1/10/2001
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 932838887
Layer: 6
Color: 7
General Color: RED
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 48
Formation End Depth: 80
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932838883
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 81
Other Materials: SANDY
Mat3:
Other Materials:
Formation Top Depth: 19
Formation End Depth: 28
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932838885
Layer: 4
Color: 2
General Color: GREY
Mat1: 06
Most Common Material: SILT
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 33
Formation End Depth: 42
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932838886
Layer: 5
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 42
Formation End Depth: 48
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932838884
Layer: 3
Color: 2
General Color: GREY
Mat1: 29
Most Common Material: FINE GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 28
Formation End Depth: 33
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932838882
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 77
Other Materials: LOOSE
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 19
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID:	933221258
Layer:	1
Plug From:	0
Plug To:	20
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	11067122
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930264894
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930264893
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	992809498
Pump Set At:	
Static Level:	27
Final Level After Pumping:	65
Recommended Pump Depth:	70
Pumping Rate:	5
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1

Pumping Duration MIN: 30
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934175813
Test Type: Draw Down
Test Duration: 15
Test Level: 36
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934458204
Test Type: Draw Down
Test Duration: 30
Test Level: 48
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934716704
Test Type: Draw Down
Test Duration: 45
Test Level: 57
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934978483
Test Type: Draw Down
Test Duration: 60
Test Level: 65
Test Level UOM: ft

Water Details

Water ID: 934010629
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 68
Water Found Depth UOM: ft

Site:
con 1 ON

Database:
WWIS

Well ID: 2808555
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 181752
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:

Data Entry Status:
Data Src: 1
Date Received: 8/14/1997
Selected Flag: Yes
Abandonment Rec:
Contractor: 4005
Form Version: 1
Owner:
Street Name:
County: HALTON
Municipality: OAKVILLE TOWN
Site Info:
Lot:
Concession: 01
Concession Name: DS N
Easting NAD83:
Northing NAD83:

Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10154812	***Elevation:***	
DP2BR:	18	***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	7/29/1997	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931452087
Layer:	6
Color:	7
General Color:	RED
Mat1:	17
Most Common Material:	SHALE
Mat2:	73
Other Materials:	HARD
Mat3:	
Other Materials:	
Formation Top Depth:	97
Formation End Depth:	100
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931452082
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Other Materials:	SAND
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	12
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931452085
Layer:	4
Color:	7
General Color:	RED
Mat1:	17
Most Common Material:	SHALE

Mat2: 73
Other Materials: HARD
Mat3:
Other Materials:
Formation Top Depth: 27
Formation End Depth: 60
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931452086
Layer: 5
Color: 2
General Color: GREY
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 60
Formation End Depth: 97
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931452083
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 12
Formation End Depth: 18
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931452084
Layer: 3
Color: 7
General Color: RED
Mat1: 17
Most Common Material: SHALE
Mat2: 77
Other Materials: LOOSE
Mat3:
Other Materials:
Formation Top Depth: 18
Formation End Depth: 27
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 1
Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10703382
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930263412
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 27
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930263413
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 100
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 992808555
Pump Set At:
Static Level:
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: 2
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: N

Site:
con 1 ON

Database: ***WWIS***

Well ID: 2809819
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: 259727
Tag:
Construction Method:

Data Entry Status:
Data Src: 1
Date Received: 11/10/2003
Selected Flag: Yes
Abandonment Rec:
Contractor: 7215
Form Version: 2
Owner:
Street Name:
County: HALTON

Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Municipality: OAKVILLE TOWN
Site Info:
Lot:
Concession: 01
Concession Name: DS S
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11098122
DP2BR:
Spatial Status:
Code OB: _
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 10/18/2003
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 11101837
Casing No: 1
Comment:
Alt Name:

Site:
con 1 ON

Database: ***WWIS***

Well ID: 2809816
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Not A Well
Water Type:
Casing Material:
Audit No: 259730
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:

Data Entry Status:
Data Src: 1
Date Received: 11/10/2003
Selected Flag: Yes
Abandonment Rec:
Contractor: 7215
Form Version: 2
Owner:
Street Name:
County: HALTON
Municipality: OAKVILLE TOWN
Site Info:
Lot:
Concession: 01
Concession Name: DS S
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Clear/Cloudy:

Bore Hole Information

Bore Hole ID: 11098119
DP2BR:
Spatial Status:
Code OB: _
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 10/18/2003
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 11101834
Casing No: 1
Comment:
Alt Name:

Site:
con 1 ON

Database: ***WWIS***

Well ID: 2809820
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Not A Well
Water Type:
Casing Material:
Audit No: 259726
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: 11/10/2003
Selected Flag: Yes
Abandonment Rec:
Contractor: 7215
Form Version: 2
Owner:
Street Name:
County: HALTON
Municipality: OAKVILLE TOWN
Site Info:
Lot:
Concession: 01
Concession Name: DS S
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11098123
DP2BR:
Spatial Status:
Code OB: _

Elevation:
Elevrc:
Zone: 17
East83:

Code OB Desc:	No formation data	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	10/18/2003	***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:	
Method Construction Code:	0
Method Construction:	Not Known
Other Method Construction:	

Pipe Information

Pipe ID:	11101838
Casing No:	1
Comment:	
Alt Name:	

Site:
con 1 ON

Database: ***WWIS***

Well ID:	2809579	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	5/22/2002
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3349
Casing Material:		***Form Version:***	1
Audit No:	228758	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	HALTON
Elevation (m):		***Municipality:***	OAKVILLE TOWN
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	DS S
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:	10525254	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	x	***East83:***	
Code OB Desc:	Unknown type in the lower layers(s)	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	5/22/2002	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			

Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 932862503
Layer: 2
Color: 2
General Color: GREY
Mat1: 00
Most Common Material: UNKNOWN TYPE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 2
Formation End Depth: 46
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932862502
Layer: 1
Color: 8
General Color: BLACK
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933226412
Layer: 1
Plug From: 1
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 11073824
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930264967

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

Construction Record - Casing

Casing ID: 930264966
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 992809579
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate: 5
Flowing Rate:
Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 4
Pumping Duration MIN: 0
Flowing: N

Water Details

Water ID: 934017948
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 6
Water Found Depth UOM: ft

Site:
con 1 ON

Database: ***WWIS***

Well ID: 2809815
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: 257909
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:

Data Entry Status:
Data Src: 1
Date Received: 11/10/2003
Selected Flag: Yes
Abandonment Rec:
Contractor: 7215
Form Version: 2
Owner:
Street Name:
County: HALTON
Municipality: OAKVILLE TOWN
Site Info:
Lot:
Concession: 01

Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Concession Name: DS S
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11098118
DP2BR:
Spatial Status:
Code OB: _
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 10/18/2003
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 11101833
Casing No: 1
Comment:
Alt Name:

Site:
con 1 ON

Database: ***WWIS***

Well ID: 2809818
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Not A Well
Water Type:
Casing Material:
Audit No: 259728
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: 11/10/2003
Selected Flag: Yes
Abandonment Rec:
Contractor: 7215
Form Version: 2
Owner:
Street Name:
County: HALTON
Municipality: OAKVILLE TOWN
Site Info:
Lot:
Concession: 01
Concession Name: DS S
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11098121
DP2BR:
Spatial Status:
Code OB: _
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 10/18/2003
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 11101836
Casing No: 1
Comment:
Alt Name:

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory: Provincial AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

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

Government Publication Date: Up to Sep 2019

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 1999-Jul 31, 2019

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

Government Publication Date: Jan 2004-Dec 2017

Commercial Fuel Oil Tanks: Provincial CFOT

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

Government Publication Date: 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-Jul 31, 2019

Compressed Natural Gas Stations: Private CNG

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

Government Publication Date: Dec 2012 - Nov 2019

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-Sep 2019

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994-Nov 30, 2019

Drill Hole Database: Provincial DRL

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Sep 2019

Environmental Activity and Sector Registry: Provincial EASR

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

Government Publication Date: Oct 2011-Nov 30, 2019

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-Nov 30, 2019

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-Nov 30, 2019

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-Oct 31, 2019

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report: Provincial EPAR

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2018

List of Expired Fuels Safety Facilities: Provincial EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: 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-Aug 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS): Federal FED TANKS

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

Government Publication Date: May 31, 2018

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 2018

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: 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-Jul 31, 2019

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2017

TSSA Historic Incidents: Provincial HINC

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

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

Government Publication Date: 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: Feb 28, 2019

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Jan 2019

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, 2017

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Jun 30, 2019

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-Aug 31, 2019

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Jun 2019

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-Nov 30, 2019

Canadian Pulp and Paper: Private PAP

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

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks: Federal PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

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

Government Publication Date: 1988-Nov 2019

Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

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-Nov 30, 2019

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 2019

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-Jul 31, 2019

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

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

Government Publication Date: 1988-Jun 2019

Wastewater Discharger Registration Database: Provincial SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-Dec 31, 2017

Anderson's Storage Tanks: Private TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970-Aug 2018

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.
Records are not verified for accuracy or completeness.

Government Publication Date: 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-Nov 30, 2019

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: Feb 28, 2019

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

C AERIAL PHOTOGRPAHS

DATA SOURCE: NATIONAL AIR PHOTO LIBRARY VIA GOLDER PHASE I ESA REPORT, 2016

0 50 100 200 300 Metres

LEGEND:

SITE BOUNDARY

250 m STUDY AREA

TITLE:	1934 AERIAL PHOTOGRAPH	PROJECT NO.:	191-15697-00
PROJECT:	PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 3380 SIXTH LINE OAKVILLE, ONTARIO	REVIEWED BY:	ET
		DATE:	DECEMBER 2019
CLIENT:	DIGRAM DEVELOPMENTS OAKVILLE INC.	APPENDIX:	C-1

Prepared By: NuredinN

\\thfiler1.mmm.ca\ENV\DATAS\1442 Projects by Job Number\2019\191-15697-00 3380 Sixth Line Oakville\Mapping\MXD\Appendix B-1 Historical Aerials.mxd

DATA SOURCE: NATIONAL AIR PHOTO LIBRARY VIA GOLDER PHASE I ESA REPORT, 2016

0 50 100 200 300 Metres

LEGEND:

SITE BOUNDARY

250 m STUDY AREA

TITLE:	1965 AERIAL PHOTOGRAPH	PROJECT NO.:	191-15697-00
PROJECT:	PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 3380 SIXTH LINE OAKVILLE, ONTARIO	REVIEWED BY:	ET
		DATE:	DECEMBER 2019
CLIENT:	DIGRAM DEVELOPMENTS OAKVILLE INC.	APPENDIX:	C-2

DATA SOURCE: NATIONAL AIR PHOTO LIBRARY VIA GOLDER PHASE I ESA REPORT, 2016

0 50 100 200 300 Metres

LEGEND:

SITE BOUNDARY

250 m STUDY AREA

TITLE:	1979 AERIAL PHOTOGRAPH	PROJECT NO.:	191-15697-00
PROJECT:	PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 3380 SIXTH LINE OAKVILLE, ONTARIO	REVIEWED BY:	ET
		DATE:	DECEMBER 2019
CLIENT:	DIGRAM DEVELOPMENTS OAKVILLE INC.	APPENDIX:	C-3

Prepared By: NureddinN

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DATA SOURCE: NATIONAL AIR PHOTO LIBRARY VIA GOLDER PHASE I ESA REPORT, 2016

LEGEND:

SITE BOUNDARY

250 m STUDY AREA

TITLE:	1995 AERIAL PHOTOGRAPH	PROJECT NO.:	191-15697-00
PROJECT:	PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 3380 SIXTH LINE OAKVILLE, ONTARIO	REVIEWED BY:	ET
		DATE:	DECEMBER 2019
CLIENT:	DIGRAM DEVELOPMENTS OAKVILLE INC.	APPENDIX:	C-4

DATA SOURCE: NATIONAL AIR PHOTO LIBRARY VIA GOLDER PHASE I ESA REPORT, 2016

0 50 100 200 300 Metres

LEGEND:

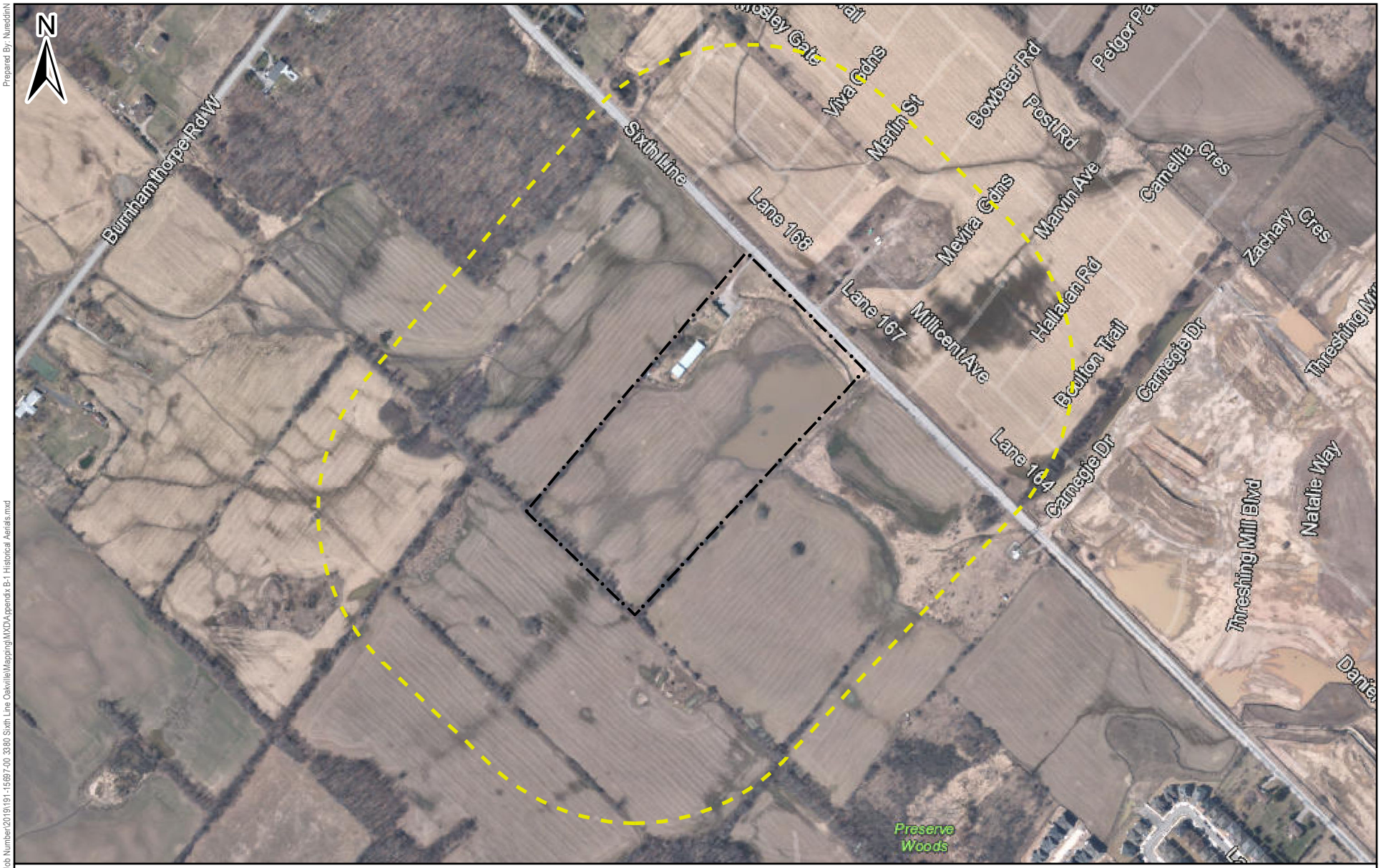
SITE BOUNDARY

250 m STUDY AREA

TITLE:	2006 AERIAL PHOTOGRAPH	PROJECT NO.:	191-15697-00
PROJECT:	PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 3380 SIXTH LINE OAKVILLE, ONTARIO	REVIEWED BY:	ET
		DATE:	DECEMBER 2019
CLIENT:	DIGRAM DEVELOPMENTS OAKVILLE INC.	APPENDIX:	C-5

Prepared By: NuredinN

\\thfiler1.mmm.ca\ENV\DATAS\11442 Projects by Job Number\2019\191-15697-00 3380 Sixth Line Oakville\Mapping\MXD\Appendix B-1 Historical Aerials.mxd



DATA SOURCE: NATIONAL AIR PHOTO LIBRARY VIA GOLDER PHASE I ESA REPORT, 2016

0 50 100 200 300 Metres

LEGEND:

SITE BOUNDARY

250 m STUDY AREA

TITLE:	2015 AERIAL PHOTOGRAPH	PROJECT NO.:	191-15697-00
PROJECT:	PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 3380 SIXTH LINE OAKVILLE, ONTARIO	REVIEWED BY:	ET
		DATE:	DECEMBER 2019
CLIENT:	DIGRAM DEVELOPMENTS OAKVILLE INC.	APPENDIX:	C-6

Prepared By: NuredinN

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APPENDIX

D INTERVIEW QUESTIONS

MEMO

SUBJECT: **191-15697-00 Interview for Phase I ESA – 3380 Sixth Line, Oakville**

DATE: **December 17, 2019**

TIME: _____

INTERVIEWEE: **Jim Yan, Digram Development**

1. How long have you been familiar with the Site?
2. What is the current use of the Site?
3. When was the resident/barn last occupied?
4. What is the age of the building? Has there been any renovation/addition done on the property? if so where?
5. Are you aware of any tanks removed from the Site?
6. Were there fill material brought onto the property, if so, do you know its source?
7. Is the property connected to municipal services (ie. hydro, municipal water, sewer)?
8. What is the previous/current heating and cooling system onsite since the building was constructed?
9. Are you aware of any spills on your property/neighbouring property?
10. Area you aware of any well on the property?
11. Has there been any environmental investigation/assessment/other activities carried out onsite?
12. Do you have any concern with any current/past tenants or neighbours?

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APPENDIX

E SITE PHOTOGRAPHS

Photograph 1: Looking west at soybean field on Phase One Property.

Photograph 2: View looking west at back yard of house. Grass ground cover and drinking supply well visible.

Photograph 3: Looking west at front of house.

Photograph 4: Looking northeast at main floor interior of house kitchen area.

Photograph 5: View of barn looking east-northeast.

Photograph 6: Barn interior, looking northeast.

Photograph 7: View of chicken coop looking southwest.

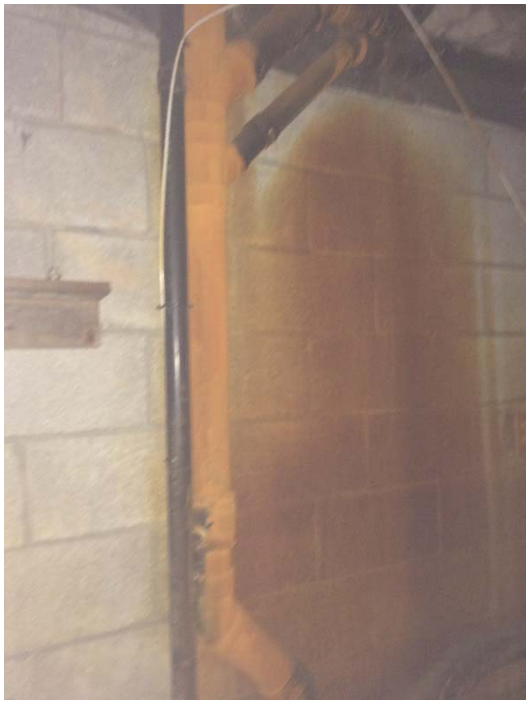
Photograph 8: Below ground septic system, looking north.

Photograph 9: Looking north, construction of new housing along Sixth Line.

Photograph 10: Peeling paint on interior barn wall, looking west.

Photograph 11: Looking southeast, compressor inside garage attached to house.

Photograph 12: Looking east, discarded diesel potable container.



Photograph 13: Looking south, rust stains along southeast wall of house.

Photograph 14: Grass covered fill berm on northwest side of house, looking southwest.

Photograph 15: Household waste and tires southwest of the barn, looking west.

Photograph 16: Frozen creek observed adjacent to driveway leading to the residence, looking southeast.