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**Phase One Environmental Site Assessment
Official Plan and Zoning By-law Amendment
Part Lots 13 and 14, Concession 3, Blocks 10
and 12, Plan 4M-1511
Ottawa, Ontario**



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Submitted to:

CannaGenetics Inc.
28 Bluemeadow Way
Ottawa, Ontario
K2M 1L6

**Phase One Environmental Site Assessment
Official Plan and Zoning By-law Amendment
Part Lots 13 and 14, Concession 3, Blocks 10
and 12, Plan 4M-1511
Ottawa, Ontario**

January 11, 2019
Project: 64853.01

GEMTEC Consulting Engineers and Scientists Limited
32 Steacie Drive
Ottawa, ON, Canada
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January 11, 2019

File: 64853.01

CannaGenetics Inc.
28 Bluemeadow Way
Ottawa, Ontario
K2M 1L6

Attention: Geoff Graham

**Re: Phase One Environmental Site Assessment
Official Plan and Zoning By-law Amendment
Part Lots 13 and 14, Concession 3, Blocks 10 and 12, Plan 4M-1511
Ottawa, Ontario**

Enclosed is our Phase One ESA report for the above-noted project based on the scope of work presented in our proposal dated October 29, 2018. This report was prepared by Nicole Soucy B.A.Sc., M.A.Sc., with senior review performed by Katherine Rispoli, M.A.Sc, P.Eng, ing.



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



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

NS/KR

Enclosures
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EXECUTIVE SUMMARY

GEMTEC Consulting Engineers and Scientists Limited (GEMTEC) was retained by CannaGenetics Inc. to carry out a Phase One Environmental Site Assessment (ESA) for the subject property located at Part Lots 13 and 14, Concession 3, Blocks 10 and 12, Plan 4M-1511 in Ottawa, Ontario (hereafter referred to as “the subject property”).

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

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

The following Area of Potential Environmental Concern (APEC) was determined through the Phase One ESA to exist for the subject property:

APEC 1: Nearby Airport Activities, Waste Generation, and Current/ Historical Fuel Storage

The records review identified former and current fuel storage tanks present adjacent to the subject property. The adjacent property has been used for years as the Carp Airport, and was listed as a waste generator of Polychlorinated Biphenyl's (PCBs) between 1992 and 1997. Storage of fuels including Avgas 100LL and JetA1 with prist are available from the fuel station at the Carp Airport. Avgas is provided during and outside of business hours so clients can have access to it anytime. The associated contaminants of concern Petroleum Hydrocarbons (PHCs), PCBs, metals and Volatile Organic Compounds (VOCs).

Based on this information, it is our opinion that a Phase Two Environmental Site Assessment is required for the subject property in order to investigate the APEC on the subject property.

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1.0 INTRODUCTION

GEMTEC Consulting Engineers and Scientists Limited (GEMTEC) was retained by CannaGenetics Inc. to carry out a Phase One Environmental Site Assessment (ESA) for the property located at Part Lots 13 and 14, Concession 3, Blocks 10 and 12, Plan 4M-1511 in Ottawa, Ontario (hereafter referred to as “the subject property”). The legal PIN is 04538-0595. The location of the subject property is illustrated on the Key Plan, Figure 1.

The subject property is presently owned by 1514947 Ontario Inc. The contact person for the subject property is Mr. Geoff Graham, at 613-222-8315.

2.0 SCOPE OF THE INVESTIGATION

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

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

3.0 RECORDS REVIEW

3.1 General

3.1.1 Phase One Study Area Determination

The subject property has an area of 4.8 hectares (12 acres) at Part Lots 13 and 14, Concession 3, Blocks 10 and 12, Plan 4M-1511 in Ottawa, Ontario. The subject property was first purchased by 1514947 Ontario Inc. in 2011. The site is still undeveloped, although it has been used for agricultural purposes.

Historical land use in the study area was predominantly undeveloped with some residential, commercial and community use. Based on this, a Phase One ESA study area of 250 metres surrounding the subject property is deemed sufficient for the purpose of this Phase One ESA. The location of the subject property and the extent of the Phase One ESA study area are provided on the Study Area Plan, Figure 2. A Detailed Site Plan is provided on Figure 3.

3.1.2 First Developed Use Determination

Based on a review of the historical information, the subject property has not been previously developed. Aerial photographs indicate agricultural fields on the subject site.

3.1.3 Fire Insurance Plans / Insurance Reports

Based on our knowledge of the area, no fire insurance products are available for the subject property, and therefore no search was completed.

3.1.4 Chain of Title

A chain of title search for the subject property was provided by Wentzell Titles of Kemptville, Ontario and is included in Appendix A. The legal description for the site is Block 10, Plan 4M-1511, subject to easement no. OC1629360, City of Ottawa; PIN 04538-0595. The highlights of the chain of title search are described below:

- The subject property was first purchased from the Crown by William Derham in 1837;
- The property was owned by many private owners until it was purchased by The Veteran's Land Act in 1957;
- The property was then owned by many private and public owners including her majesty the Queen on the right of Canada, the City of Ottawa, and the Carp Airport before being purchased by 1514947 Ontario Inc. in 2011; and,
- An easement was purchased by the City of Ottawa in 2014 in Block 10 for drainage.

3.1.5 Environmental Reports

A previous report entitled "Carp Airport, Ottawa, Ontario Annual Groundwater Monitoring Report" completed by SNC Lavalin Environment completed in 2013 was provided for review.

The report provided a summary of the six (6) areas where groundwater monitoring and sampling were conducted on the Carp Airport property. Groundwater monitoring included fifty-two (52) monitoring well locations where samples were collected for BTEX or VOCs and PHCs. Results of the sampling indicated that groundwater in some portions of the Airport was found to exceed the applicable MECP (formerly MOECC) site condition standards (SCS) for PHCs, and VOCs. It was also indicated in the SNC document that partial soil remediation was conducted at the Carp Airport. The document did not identify any contamination on the subject site, and concluded with the expectation that the properties to the east of the Airport are within the anticipated Greenfield areas.

3.2 Environmental Source Information

3.2.1 Ecolog ERIS Database Report

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

Address / Location	Distance from Subject Property	Company / Name	Database	Description
Portion of 1500 Thomas Argue Road	Adjacent	Not listed	ERIS Historical Search	ERIS historical products were requested for part of 1500 Thomas Argue Road in 2016
Carp Airport (Part of 1500 Thomas Argue Road)	Adjacent	GVT of Canada-Transport	Ontario Regulation 347 Waste Generators Summary	Listed as producing the following waste from 1992 to 1997: <ul style="list-style-type: none"> • PCBs

3.2.2 City Directories

A review of the city directories from 1962 to 2011 was completed for the subject property (1500 Thomas Argue Road) and several adjacent properties including 3232, 3248, 3296, 3314, and 3320 Carp Road; and 2739 Steeple Hill Crescent. A copy of some of the City Directory records is provided in Appendix C. All records were reviewed and the relevant highlights are provided in the following table:

Address	Distance from Subject Site	Description
1500 Thomas Argue Road	Adjacent	2011 – Touch N Go Pilot Shop 2005/06 – Burdon Gary Consulting 1960 to 2000 – Not Listed
3248 Carp Road	240 metres east	2006/07 to 2011 – Irish Hills Golf & Country
3320 Carp Road	250 metres north	1992 to 2011 – Carleton Growers
3232 Carp Road	245 metres east	2011 – Ram terra entr., Teksmmed svc, O'Connor Orville CMA, and Black ink accounting 2001/02 to 2006/07 – Applied AL syst.

3.2.3 Technical Standards and Safety Authority

The Technical Standards and Safety Authority (TSSA) has been previously contacted, and therefore no additional search was completed. Previous searches completed in this area indicated that there are records available for the subject property (1500 Thomas Argue Road) relating to a self-serve private fuel outlet and liquid fuel tanks. A review of the records indicated:

- One (1) Private Fuel Outlet – Self Serve registered to Westair Aviation that expired in 1990;
- One (1) underground single walled steel fuel (gasoline) storage tank installed in 1976 with a capacity of 22,500 litres registered to Westair Aviation that expired in 1990; and,
- One (1) underground single walled steel fuel (diesel) storage tank installed in 1984 with a capacity of 15,000 litres registered to Westair Aviation that expired in 1990.

3.2.4 City of Ottawa – Freedom of Information Request

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

Company Name	Location	Distance from Subject Property	Facility Type	Study Years
West Capital Aviation	3257 Carp Road	Adjacent	Machinery and Equipment Rental and	2005

Company Name	Location	Distance from Subject Property	Facility Type	Study Years
			Leasing Service	
Westair Aviation	1500 Thomas Argue Road	Adjacent	Air Transport Industries	2001, 2003, and 2005
Helicopter Transport Services (Can) Inc.	1 Huisson Road	Adjacent	Aircraft and Aircraft Parts Industry	1943 - 2001, 2003, and 2005
Transport Canada	1500 Thomas Argue Road	Adjacent	Service Industries Incidental to Air Transport	2001, and 2005

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

3.2.5 Mapping and Assessment of Former Industrial Sites

A report entitled “Mapping and Assessment of Former Industrial Sites, City of Ottawa” dated July 1988 and prepared by Intera Technologies Ltd. was reviewed. The report provides an inventory and assessment of former industrial sites in the City of Ottawa from 1850 to 1984 that would have likely produced or handled hazardous waste and materials. No former industrial sites were identified on the subject property or within the study area.

3.2.6 Mapping of Federally Contaminated Sites

A Government of Canada, Treasury Board of Canada Secretariat, interactive map of contaminated sites was reviewed. The database provides an inventory of over four thousand (4000) federally contaminated sites across the country. The database identified one (1) federally contaminated site within the study area. A historical review in 2001/02 was completed for an Air Navigation Facility: Storage Building site, the results indicated that no further action was required.

3.2.7 Ontario Inventory of PCB Storage Sites

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

3.3 Physical Setting Sources

3.3.1 Aerial Photographs

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

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

Plate Number	Date	Photograph Number	Observations
G1	1945	A9609_022	<ul style="list-style-type: none"> The subject site is not yet developed, it appears as though it is being used for agricultural purposes; What is currently known as the Carp Airport can be seen west of the subject site; Other adjacent properties are used agriculturally or are undeveloped; and, A few structures are visible in the study area.
G2	1960	A17264_089	<ul style="list-style-type: none"> No significant changes from the 1960 aerial photograph.
G3	1973	A23190_029	<ul style="list-style-type: none"> Some development has occurred west of the property at the Carp Airport, and east of the property at the adjacent farmhouse.
Not Plated – Publically Available	1991	geoOttawa	<ul style="list-style-type: none"> Significant additional development has occurred west of the property at the Carp Airport.
Not Plated – Publically Available	2008	geoOttawa	<ul style="list-style-type: none"> No significant changes from the 1991 aerial photograph
Not Plated – Publically Available	2017	geoOttawa	<ul style="list-style-type: none"> No significant changes from the 2008 aerial photograph

Based on the review of selected historical aerial photographs, the subject property has never been developed, however, the property may have been used for agricultural purposes from 1945 to the present. Land use in the study area was historically agricultural/ undeveloped with some residential, and the Carp Airport.

3.3.2 Topography, Hydrology and Geology

A topographic map based on Ontario Basic Mapping is provided on the Topographic Map, Figure 3. The subject property has a relatively flat topography and is at an elevation of approximately 110 metres above sea level. Surrounding topography generally slopes gradually northeast.

Subsurface and bedrock geology maps of the Ottawa area indicate that the overburden in the vicinity of the subject property generally consists of offshore marine deposits (Clay, silty clay and silt) and nearshore sediments (Fine-to medium-grained sand) with a thickness ranging from 19 to 27 metres. The bedrock is mapped as interbedded bioclastic to very-fine grained limestone and grey-green calcareous shale of the Simcoe Group.

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

3.3.3 Fill Materials

No fill materials were observed during the records review or site reconnaissance.

3.3.4 Water Bodies and Areas of Natural Significance

No provincially significant wetlands (PSWs) or areas of natural and scientific interest (ANSIs) were identified on the subject property or within the study area.

3.3.5 Well Records

Copies of the Ministry of Environment, Conservation and Parks (MECP) Well Records for a 500-metre radius from the centre of the subject property were reviewed. Thirty-two (32) wells were identified within this search radius. The locations of the adjacent water wells, based on the UTM coordinates provided in the water well records, have been plotted on Figure 3 following the text of this report. The average depth to the water table based on the static water levels available from the MECP well records is 7.5 metres below ground surface.

The MECP well records indicate that the stratigraphy of the overburden in the area generally consists of a layer of sand with some clay, gravel and silt overlaying hardpan. Limestone bedrock was encountered in most wells at an average depth of 35.7 metres below ground surface.

4.0 INTERVIEWS

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

4.1 Interview with Site Manager

An interview was carried out by e-mail with Mr. Mark Braithwaite, Carp Airport- West Capital Development Manager, on December 7 and 17, 2018. Mr. Braithwaite was identified as an interview candidate because he has been involved with the subject property for over five (5) years. The following relevant information concerning potentially contaminating activities and areas of potential environmental concern were noted:

- Mr. Braithwaite confirmed that to his knowledge, the site has never been developed;
- He identified that to the best of his knowledge, only agricultural practices have occurred on the subject site and indicated he does not know if any pesticides/herbicides were ever used as part of the farming practice;
- Mr. Braithwaite indicated that to the best of his knowledge no storage tanks have ever been present on the subject site. He did indicate three (3) fuel storage tanks located at the Carp Airport: One (1) 13000 Litre above ground Jet A1 fuel tank at the Helicopter Transport Services of Canada located on the North side of the airport, one (1) 18000 Litre Jet fuel truck located on the North West side of the airport, and one (1) 500US Gallon above ground diesel fuel storage tank at the maintenance shop on the West North West part of the airport;
- To the best of Mr. Braithwaite's knowledge there has not been a fuel release on the properties in the study area, he also provided a groundwater monitoring report of the Carp Airport completed by SNC Lavalin;
- He indicated the presence of one (1) well head, and two (2) septic beds located on the Carp Airport Property, he did not mention any services on the subject site;
- Mr. Braithwaite does not recall any drilling or excavating gas stations, garages or dry cleaners in the study area; and,
- He did not identify any other potentially contaminating activities completed on the site.

4.2 Assessment and Evaluation of Interview

The information provided in the interview is consistent with other information sources in that the subject property has not been developed and has been used for agricultural purposes. Furthermore, it was confirmed that fuel storage tanks are present on the Carp Airport.

5.0 SITE RECONNAISSANCE

5.1 General Requirements

A site reconnaissance was carried out on December 5, 2018 from 9:00 am to 11:00 am. The weather at the time of the site reconnaissance was sun and cloud with a temperature of approximately -7 degrees Celsius.

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

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

5.1.1 Site Photographs

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

Plate Number	Compass Orientation	Description
H1	South, North	Two (2) of the ditches identified on the subject site and in the study area.
H2	South	A pole mounted transformer identified within the study area.
H3	Southwest	The Carp Airport Helicopter Services identified southwest of the subject property.

5.2 Specific Observations at Phase One Property

5.2.1 Onsite Structures

There were no onsite structures observed during the site reconnaissance.

5.2.2 Observations

The following observations were made for the subject property:

- The subject property is undeveloped, and has been used for agricultural purposes;
- A tree line, and small creek passed through the southwest section of the subject property;
- Two (2) ditches were identified to run just southeast and southwest of the subject site along Russ Bradley Road and Huisson Road, a gas line was also marked out along the ditch line near Russ Bradley Road;
- A pole mounted transformer was identified, no staining or impacts were observed; and,
- Helicopter Transport Services, including but not limited to helicopter maintenance was identified southwest of the subject site.

5.2.3 Site Services

The subject site is not serviced with any of the following: municipal water, sanitary sewer, storm sewer.

5.3 Specific Observations within the Study Area

5.3.1 Services

Properties in the study area use well water and septic systems.

Ground cover within the study area was typically grass (agricultural/trees) or pavement (roadways).

5.3.2 Water Bodies and Areas of Natural Significance

A small creek was identified within the trees that cross the site along the southwest boundary.

5.3.3 Surrounding Properties

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

- A golf course was identified east of the subject site;
- The Carp Airport was identified west of the subject site – through a review of the Carp Airport webpage it can be confirmed that the airport has a state-of-the-art Fuel Station with offers Avgas 100LL and Jet A1 with prist gas. Nitrogen service is also available;
- Agricultural, residential and commercial properties were identified north and south of the subject site; and,
- Roadways were present in the study area.

5.4 Enhanced Investigation Property

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

5.5 Written Description of Investigation

The site reconnaissance was carried out on December 5, 2018, by Ms. Nicole Soucy B.A.Sc, M.A.Sc of GEMTEC. The site reconnaissance was carried out to determine if there were environmental concerns with the subject properties and/or surrounding property uses.

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

The following potentially contaminating activities were identified on the subject property and/or within the study area during the site reconnaissance:

- The Carp Airport at 1500 Thomas Argue Road.

6.0 REVIEW AND EVALUATION OF INFORMATION

6.1 Current and Past Uses

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

Year	Owner	Description of Property Use	Observations
Prior to 1837	The Crown	Unknown	No aerial photographs are available for this time.
1837 to 2011	Various private and public owners	Agricultural	Aerial photographs do not identify any environmentally concerning activities or development on the subject site.
2011 to present	1514947 Ontario Inc.	Agricultural	
2014	The City of Ottawa (easement)	Drainage	Easement was purchased in Block 10 for drainage

6.2 Potentially Contaminating Activities

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

Address/ Location	Distance from Subject Site	Activity	Description	Likelihood of Impact
1500 Thomas Argue Road (Part)	Adjacent	Historical Fuel Storage	One private fuel outlet, and two (2) underground storage tanks were present on the site historically and expired in 1990.	High Based on active historical fuel outlets with underground tanks being present on the adjacent upstream site
1500 Thomas Argue Road (Part)	Adjacent	Carp Airport	The Carp Airport is currently active on the property adjacent west of the subject site with hangars and fuel storage tanks. Fuels including Avgas 100LL and JetA1 with prist are	High Based on active fuel outlets being present on the adjacent upstream site

Address/ Location	Distance from Subject Site	Activity	Description	Likelihood of Impact
			available from the fuel station at the Carp Airport.	
1500 Thomas Argue Road (Part)	Adjacent	Waste Generator	Listed in ERIS report as producing PCB waste from 1992 to 1997.	Medium Based on potential for PCB waste being on the adjacent upstream site

6.3 Areas of Potential Environmental Concern

The areas of potential environmental concern (APECs) identified on the subject property are summarized in the following table:

APEC	Location of APEC on Phase One Property	PCA	Location of PCA	Contaminants of Potential Concern	Media Potentially Impacted
APEC 1	South and western portion of the site	Current/ Historical Fuel Storage and waste generation	Carp Airport	<ul style="list-style-type: none"> • PHCs • VOCs • Metals • PCBs 	Soil & Groundwater

- 1 PAHs – Polycyclic aromatic hydrocarbons
- 2 VOCs – Volatile organic compounds
- 3 PCBs – Polychlorinated biphenyl

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

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

A summary and description of the determined APEC and the contaminants of potential concern are provided in the following sections:

6.3.1 APEC 1: Nearby Airport Activities, Waste Generation, and Current/ Historical Fuel Storage

The records review identified former and current fuel storage tanks present adjacent to the subject property. The adjacent property has been used for years as the Carp Airport, and was listed as a waste generator of PCBs between 1992 and 1997. Storage of fuels including Avgas 100LL and JetA1 with prist are available from the fuel station at the Carp Airport. Avgas is provided during and outside of business hours so clients can have access to it anytime. The associated contaminants of concern PHCs, PCBs, metals and VOCs.

6.3.2 Discussion of Uncertainty

There is uncertainty associated with the location of the storage tanks identified in the historical review but at an unknown location within the Carp Airport property.

6.4 Phase One Conceptual Site Model

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

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

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

6.4.1 APEC 1: Nearby Airport Activities, Waste Generation, and Current/ Historical Fuel Storage

The records review identified former and current fuel storage tanks present adjacent to the subject property. The adjacent property has been used for years as the Carp Airport, and was listed as a waste generator of PCBs between 1992 and 1997. Storage of fuels including Avgas 100LL and JetA1 with prist are available from the fuel station at the Carp Airport. Avgas is provided during and outside of business hours so clients can have access to it anytime. The associated contaminants of concern PHCs, PCBs, metals and VOCs.

6.4.2 Underground Utilities

There is potential for underground utilities to affect contaminant transport on or to the subject property, if contaminants are present. The site is not serviced.

6.4.3 Geological and Hydrogeological Information

Surficial and bedrock geology maps of the Ottawa area indicate that the overburden in the vicinity of the subject property generally consists of offshore marine deposits (Clay, silty clay and silt) and nearshore sediments (Fine-to medium-grained sand) with a thickness ranging from 19 to 27 metres. The bedrock is mapped as interbedded bioclastic to very-fine grained limestone and grey-green calcareous shale of the Simcoe Group.

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

6.4.4 Discussion of Uncertainty

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

7.0 CONCLUSIONS AND RECOMMENDATIONS

GEMTEC Consulting Engineers and Scientists Limited (GEMTEC) was retained by CannaGenetics Inc. to carry out a Phase One Environmental Site Assessment (ESA) for the subject property Part of 1500 Thomas Argue Drive, identified as Part Lots 13 and 14, Concession 3, Blocks 10 and 12, Plan 4M-1511.

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

The following Area of Potential Environmental Concern (APEC) was determined through the Phase One ESA to exist for the subject property:

APEC 1: Nearby Airport Activities, Waste Generation, and Current/ Historical Fuel Storage

The records review identified former and current fuel storage tanks present adjacent to the subject property. The adjacent property has been used for years as the Carp Airport, and was listed as a waste generator of PCBs between 1992 and 1997. Storage of fuels including Avgas 100LL and JetA1 with prist are available from the fuel station at the Carp Airport. Avgas is provided during and outside of business hours so clients can have access to it anytime. The associated contaminants of concern PHCs, PCBs, metals and VOCs.

7.1 Recommendations

Based on this information, it is our opinion that a Phase Two Environmental Site Assessment is required for the subject property in order to investigate the APEC on the subject property.

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

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



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



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



8.0 LIMITATIONS OF LIABILITY

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

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

This report was prepared for the exclusive use of CannaGenetics Inc. and is based on data and information collected during the Phase One ESA of the property conducted by Gemtec Consulting Engineers and Scientists Ltd. This report may not be relied upon by any other person or entity without the express written consent of Gemtec Consulting Engineers and Scientists Ltd. and CannaGenetics Inc.. In evaluating this site, Gemtec Consulting Engineers and Scientists Ltd. has relied in good faith on information provided by others. We accept no responsibility for any deficiencies or inaccuracies in this report as a result of omissions, misinterpretations, or fraudulent acts of others.

The assessment of environmental conditions and possible site hazards presented has been made using the available historical and technical data collected and provided by others. The conclusions provided herein represent the best judgment of Gemtec Consulting Engineers and Scientists Ltd. based on current environmental standards. Due to the nature of the investigation and the limited data available, we cannot warrant against undiscovered environmental liabilities.

The scope of the Phase One ESA is sufficient to identify existing and/or potential environmental liabilities that are obvious from visual examination of surface features and from available sources of information. This level of work is a method of risk reduction, not risk elimination. No building materials, water, liquid, gas, products or chemical sampling and/or testing on or in the vicinity of the subject property was carried out as part of this assessment. The Phase One ESA does not include a program of intrusive observation/testing. These activities would be carried out as part of a Phase Two ESA. This environmental assessment included only a cursory overview of the neighbouring land uses from public right of ways and from the subject property and does not constitute a complete assessment of the adjacent sites.

9.0 REFERENCES

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

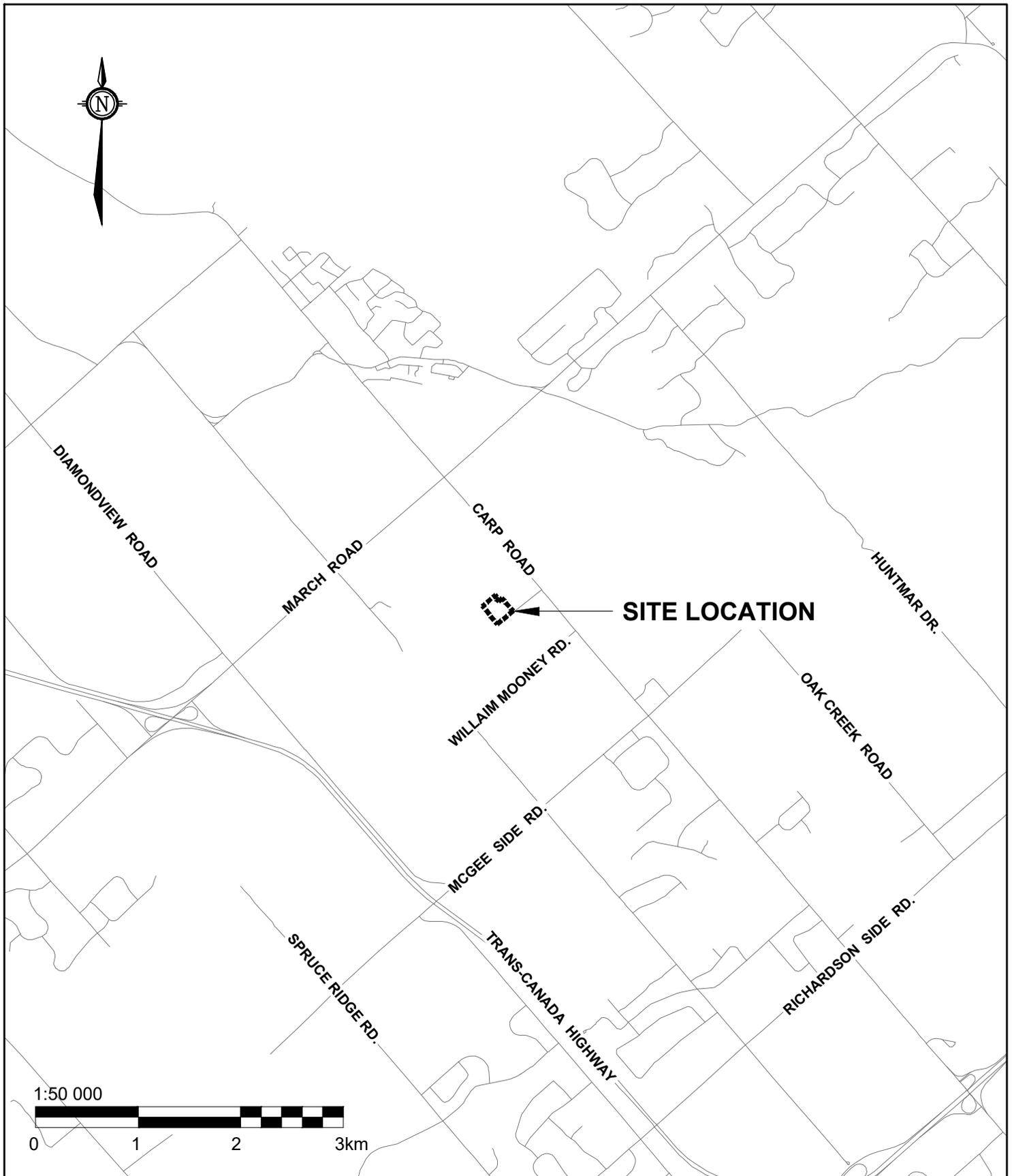
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Intera Technologies Ltd. Mapping and Assessment of Former Industrial Sites, City of Ottawa, Volume 1. July 1988. Project Reference H87-053.

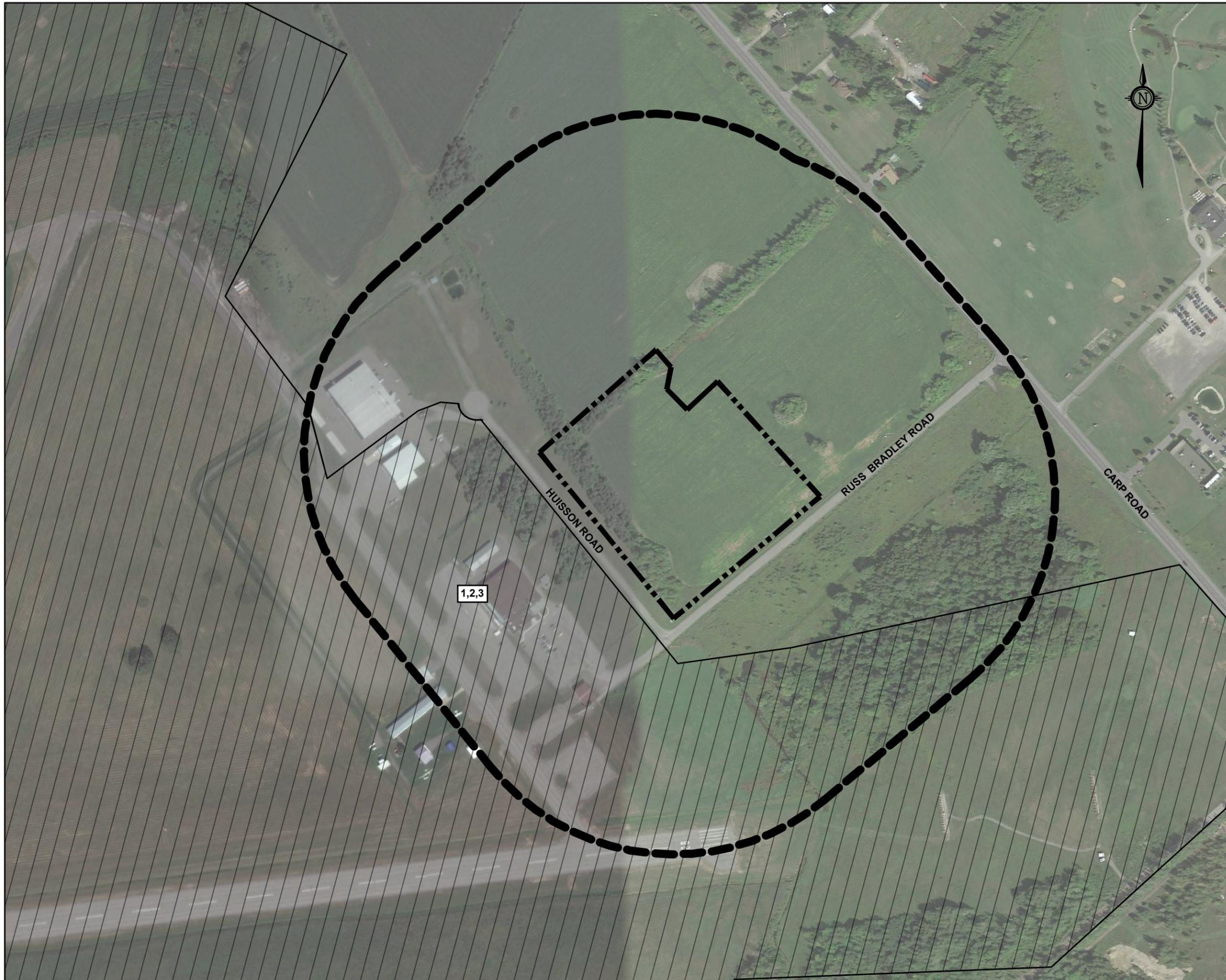
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Ontario Ministry of the Environment, Conservation and Parks. Ontario Regulation 153/04, Made under the Environmental Protection Act, Part XV.1 – Records of Site Condition. January 1, 2014.



 GEMTEC CONSULTING ENGINEERS AND SCIENTISTS <small>32 Steacie Drive, Ottawa, ON K2K 2A9 T: (613) 836-1422 www.gemtec.ca ottawa@gemtec.ca</small>	Project PHASE ONE ESA 1500 THOMAS ARGUE RD. OTTAWA, ONTARIO		Drawing KEY PLAN		
	Drwn By P.C.	Chkd By N.S.	Date JANUARY 2019	Project No. 64853.01	Revision No. 0



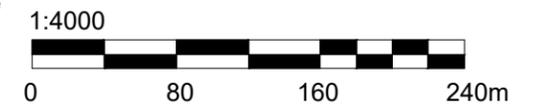
LEGEND

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

OFF-SITE POTENTIALLY CONTAMINATING ACTIVITIES

-  WASTE GENERATOR
-  CURRENT/HISTORICAL FUEL STORAGE
-  ACTIVE AIRPORT

Scale



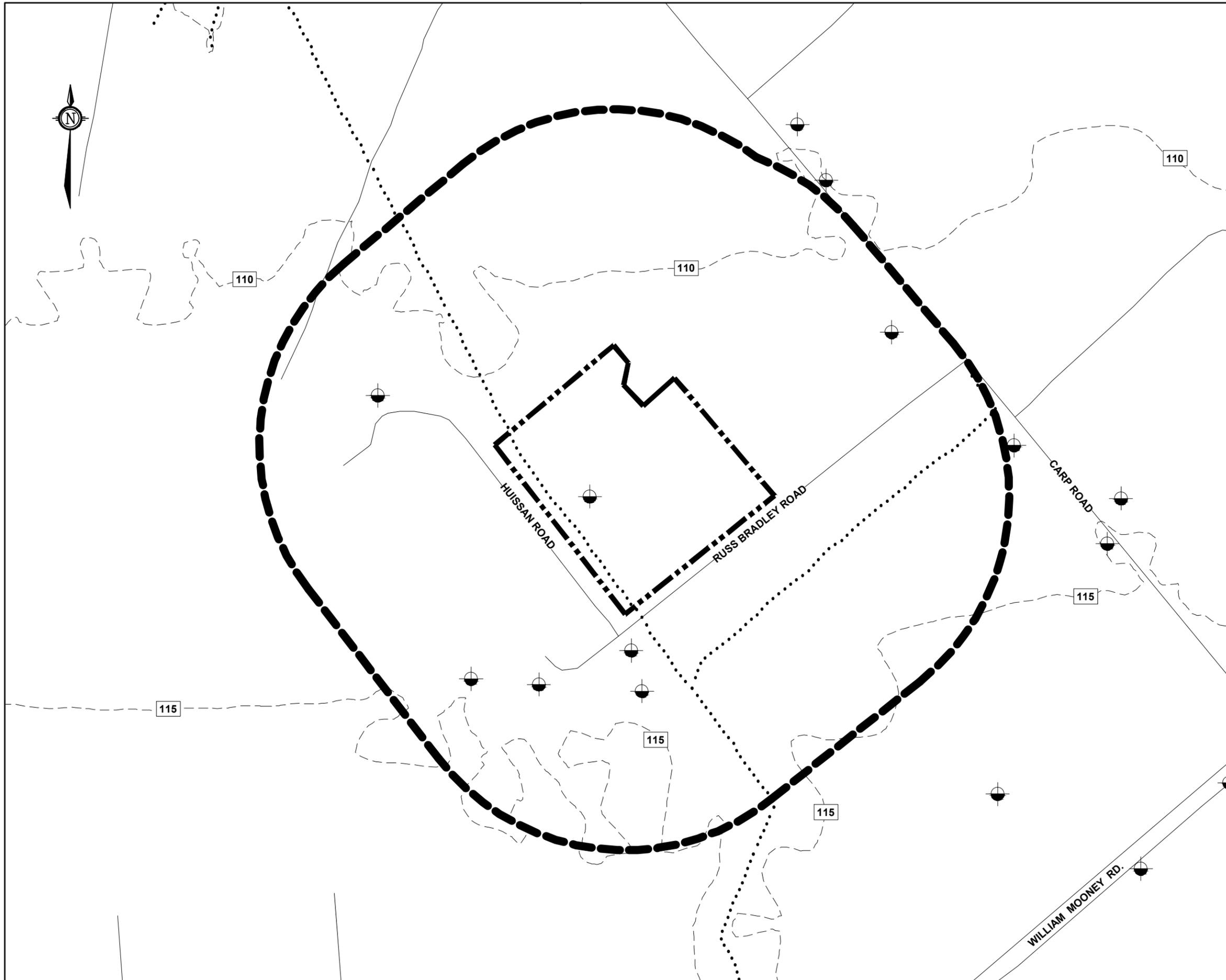
32 Steacie Drive
Ottawa, ON K2K 2A9
Tel: (613) 836-1422
www.gemtec.ca
ottawa@gemtec.ca

Drawing
STUDY AREA PLAN

Client
CannaGenetics Inc.

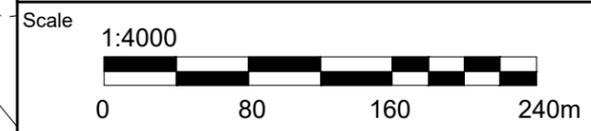
Project 64853.01	PHASE ONE ESA 1500 THOMAS ARGUE ROAD CARP, ONTARIO
Drwn by P.C.	
Chkd by N.S.	

Date JANUARY 2019	Rev. 0	FIGURE 2
----------------------	-----------	-----------------



LEGEND

- SUBJECT SITE**
- 250 METRE BUFFER SHOWING EXTENT OF STUDY AREA**
- CONTOUR INTERVAL, IN METRES**
- WATER BODIES**
- WELL LOCATION IN PLAN**



GEMTEC
CONSULTING ENGINEERS
AND SCIENTISTS

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

Drawing		TOPOGRAPHIC MAP	
Client		CannaGenetics Inc.	
Project	64853.01	PHASE ONE ESA 1500 THOMAS ARGUE RD. CARP, ONTARIO	
Drwn by	P.C.		
Chkd by	N.S.	Date	JANUARY 2019
Rev.	0	FIGURE 3	



APPENDIX A

Chain of Title

Atty. General's Office

ENVIRONMENTAL SEARCH

Re: 64853.01 - Backa 10812,

PURCHASER Dan 4/4-15/11

INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER
	Patent	Sept 5 1833	Crown	William Beham
R 010181	Deed	Oct 10 1856	William Beham	(4/13/Grant of property)
R 010182	Deed	Oct 10 1856	George McTadden	George McTadden
R 010931	Deed	April 8 1857	Joseph McTadden	William Spadina
R 019565	Deed	Aug 19 1862	William Spadina	Richard Reid
H 41229	Deed	Sept 3 1877	Richard Reid	Thomas Mooney
H 43102	Deed	Aug 6 1889 (August)	Thomas Mooney	William John Mooney
H 49175	Deed	June 7 1954	Estates of William John Mooney	William J. Carragh

ENVIRONMENTAL SEARCH

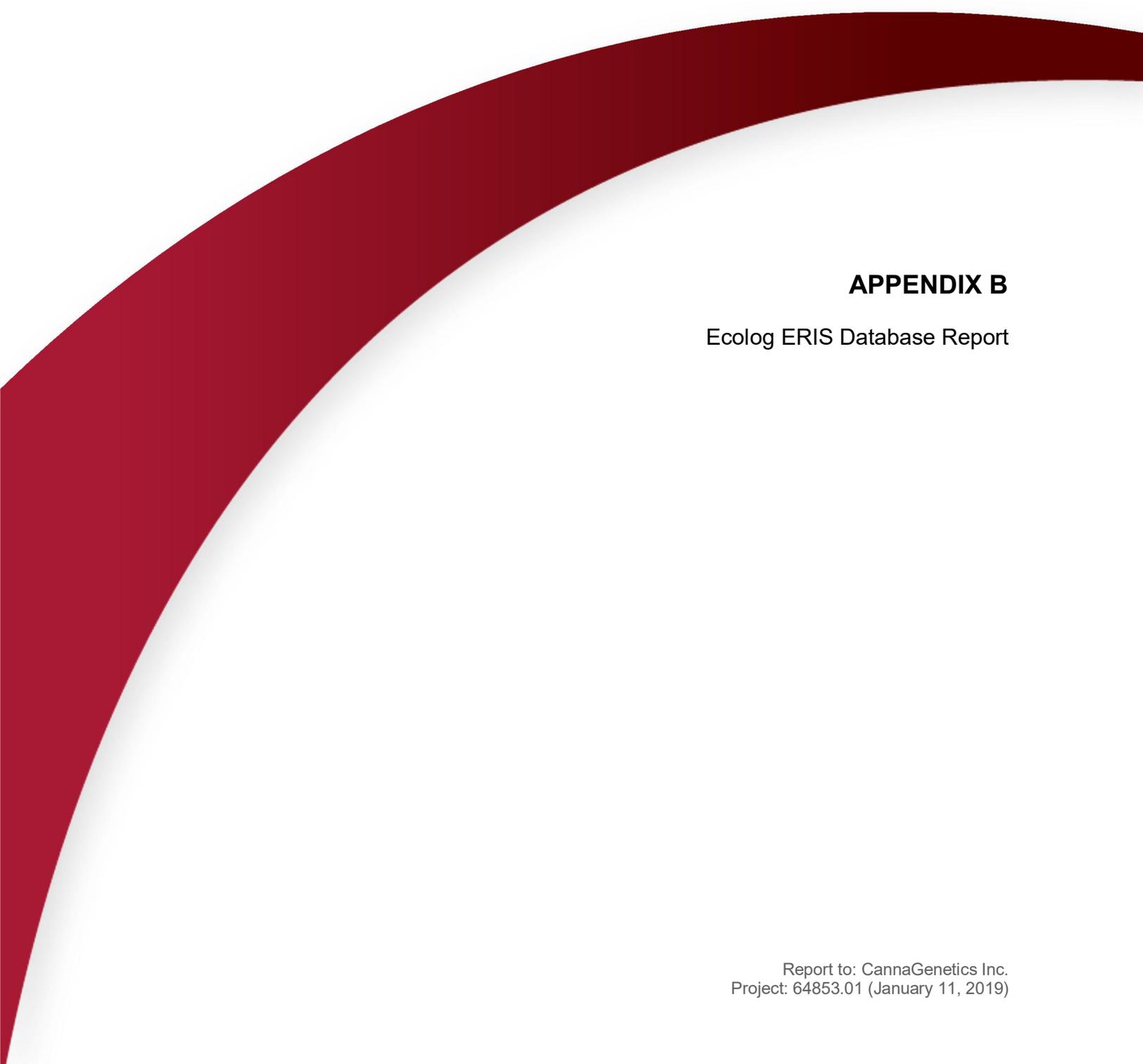
INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER
H49972	Deed	Aug 31 1946	William J. Carmichael	The Reactor The Peten's land act (see)
H411010	Deed	Mar 21 1957	The Director, The Veteran's Land Act	John C. Carmichael
C4129152	Deed	Dec 14 1970	John C. Carmichael	Paul H. Brodeur Reuben M. Brodeur
C4186446	Deed	Jan 15 1974	Paul H. Brodeur Reuben M. Brodeur	Thomas W. Westwood Arthur E. Testman Co. b. as Janelle Westwood
C4190966	Deed	Apr 17 1974	Thomas W. Westwood Arthur E. Testman Co. b. as Janelle Westwood	Rea Project the Queen by Right of Canada
N 753410	Deed	Mar 14 1997	Rea Project the Queen in Right of Canada	The Regional Municipality of Ottawa - Carleton
OC 359260	Lease	July 22 2004	City of Ottawa	Bradley A. Dennis Tenity
OC 518348	Pump Change	Oct 3 2005	The Regional Municipality of Ottawa - Carleton	City of Ottawa

ENVIRONMENTAL SEARCH

INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER
OC 518382	Deed	Oct 3 2005	City of Ottawa	Camp Airport Authority
OC 1198810	Deed	Jan 13 2011	Camp Airport Authority	City of Ottawa
OC 1218174	Deed	Mar 24 2011	City of Ottawa	1514942 Ontario Inc. (Current owner)
OC 1629360	Easement	Oct 20 2014	1514942 Ontario Inc.	City of Ottawa (Deed 10 only for driveway)
* Note another chain of title begins below for the small northern strip of land in lot 14, Con. 3.				
Patent	Oct 26 1846	Crown	Canada Company	
R012135	Deed	Mar 16 1858	Canada Company	John Cavanagh

ENVIRONMENTAL SEARCH

INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER
H4570	deed	May 14 1874	John Swannick Sr.	John Swannick Jr.
H47829	deed	June 10 1920	John Swannick (Sr.)	William J. Swannick
† Note -	See instrument no. of this chain of title.		H49972 on page 2 for the outgrowth areas	
† Legal Descriptions are on Plan 4E-27 9/9 City 4M-1511, subject to PIN 04538 - 0592			Block 12, Plan 4M-1511, care & except Part 4 of others. PIN 04538 - 0619. Block 10, Plan 4M-1511, subject to instrument no. 0C 1629360, City of Ottawa, Pin 26118.	



APPENDIX B

Ecolog ERIS Database Report

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



DATABASE REPORT

Project Property: *64853.01 CannaGenetics
Parts of Lot 13 & 14 Concession 3
Carp ON K0A 1L0*

Project No: *64853.01*

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

Order No: *20181119237*

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

Date Completed: *November 26, 2018*

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

www.erisinfo.com

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Executive Summary

Property Information:

Project Property: 64853.01 CannaGenetics
Parts of Lot 13 & 14 Concession 3 Carp ON K0A 1L0

Project No: 64853.01

Order Information:

Order No: 20181119237
Date Requested: November 19, 2018
Requested by: GEMTEC Consulting Engineers and Scientists Limited (Ontario)
Report Type: Quote - Custom-Build Your Own Report

Historical/Products:

City Directory Search CD - Subject Site plus 5 Adjacent Properties

Executive Summary: Report Summary

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

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense & Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense & Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence & Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBW	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGW	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PINC	<i>TSSA Pipeline Incidents</i>	Y	0	0	0
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	0	0	0
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>TSSA Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	1	13	14
Total:			2	13	15

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
1	WWIS		lot 15 con 3 Ottawa ON <i>Well ID:</i> 7127229	-/0.0	0.00	14
2	EHS		portion of 1500 Thomas Argue Road Ottawa ON	-/0.0	1.00	30

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>3</u>	WWIS		lot 13 con 3 CARP ON Well ID: 1535240	S/28.0	0.97	<u>30</u>
<u>4</u>	WWIS		lot 13 con 3 Ottawa ON Well ID: 7290426	WSW/46.6	0.00	<u>33</u>
<u>5</u>	WWIS		lot 13 con 3 ON Well ID: 1514573	S/72.4	1.69	<u>35</u>
<u>6</u>	WWIS		lot 13 con 3 ON Well ID: 7279017	SSW/97.6	1.00	<u>38</u>
<u>7</u>	WWIS		Ottawa ON Well ID: 7290427	SSW/99.0	1.00	<u>39</u>
<u>8</u>	WWIS		OTTAWA ON Well ID: 1536752	SSW/105.4	1.00	<u>41</u>
<u>8</u>	WWIS		lot 13 con 3 ON Well ID: 7279016	SSW/105.4	1.00	<u>43</u>
<u>9</u>	WWIS		Ottawa ON Well ID: 7290463	SSW/106.4	1.00	<u>44</u>
<u>10</u>	WWIS		lot 13 con 3 ON Well ID: 7279014	SSW/106.6	1.00	<u>46</u>
<u>11</u>	WWIS		lot 14 con 3 CARP ON Well ID: 1535239	WNW/126.6	-1.00	<u>46</u>
<u>12</u>	WWIS		Ottawa ON Well ID: 7127228	SW/160.0	1.00	<u>49</u>
<u>13</u>	WWIS		lot 13 con 3 ON	ENE/201.6	-1.12	<u>52</u>

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
			<i>Well ID:</i> 1503129			
14	WWIS		lot 13 con 3 ON <i>Well ID:</i> 1520137	SSW/239.2	2.00	55

Executive Summary: Summary By Data Source

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Oct 31, 2018 has found that there are 1 EHS site(s) within approximately 0.25 kilometers of the project property.

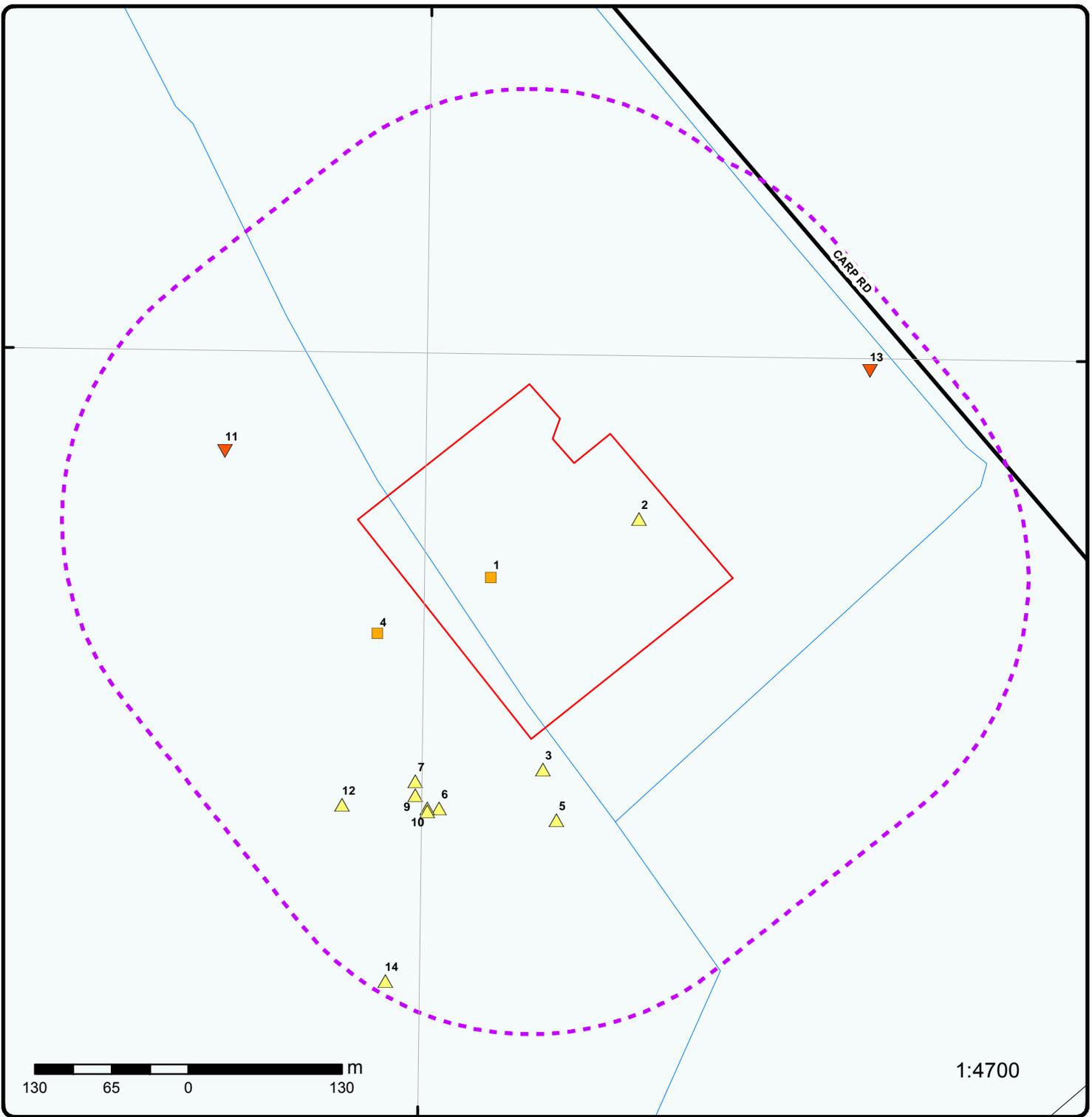
<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	portion of 1500 Thomas Argue Road Ottawa ON	0.0	<u>2</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31, 2017 has found that there are 14 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 15 con 3 Ottawa ON <i>Well ID: 7127229</i>	0.0	<u>1</u>
	lot 13 con 3 CARP ON <i>Well ID: 1535240</i>	28.0	<u>3</u>
	lot 13 con 3 Ottawa ON <i>Well ID: 7290426</i>	46.6	<u>4</u>
	lot 13 con 3 ON <i>Well ID: 1514573</i>	72.4	<u>5</u>
	lot 13 con 3 ON <i>Well ID: 7279017</i>	97.6	<u>6</u>
	Ottawa ON <i>Well ID: 7290427</i>	99.0	<u>7</u>
	lot 13 con 3 ON	105.4	<u>8</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	<i>Well ID:</i> 7279016		
	OTTAWA ON	105.4	<u>8</u>
	<i>Well ID:</i> 1536752		
	Ottawa ON	106.4	<u>9</u>
	<i>Well ID:</i> 7290463		
	lot 13 con 3 ON	106.6	<u>10</u>
	<i>Well ID:</i> 7279014		
	lot 14 con 3 CARP ON	126.6	<u>11</u>
	<i>Well ID:</i> 1535239		
	Ottawa ON	160.0	<u>12</u>
	<i>Well ID:</i> 7127228		
	lot 13 con 3 ON	201.6	<u>13</u>
	<i>Well ID:</i> 1503129		
	lot 13 con 3 ON	239.2	<u>14</u>
	<i>Well ID:</i> 1520137		



Map : 0.25 Kilometer Radius

Order No: 20181119237

Address: Parts of Lot 13 & 14 Concession 3, Carp, ON, K0A 1L0



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



Aerial (2017)

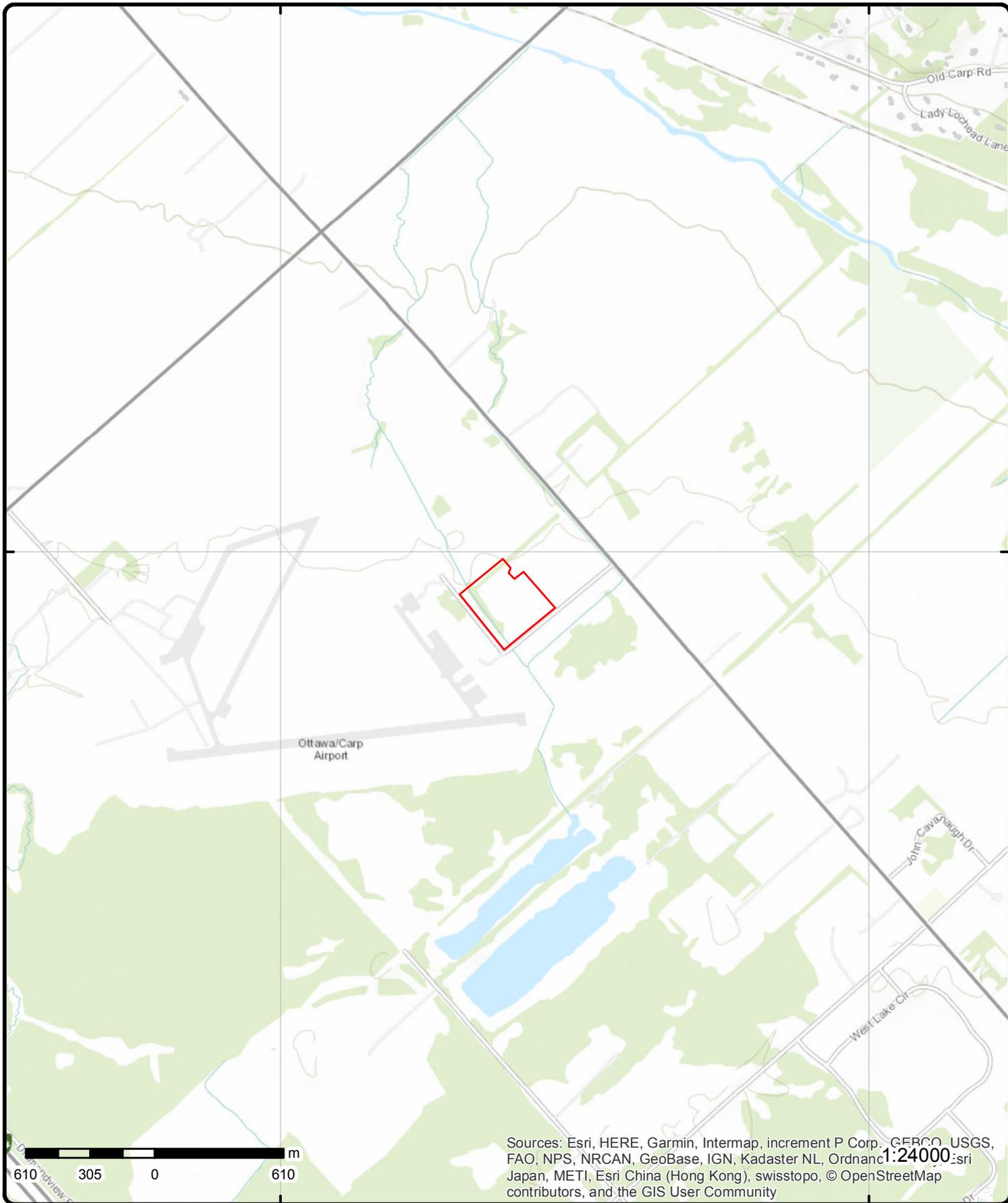
Address: Parts of Lot 13 & 14 Concession 3, Carp, ON, K0A 1L0

Source: ESRI World Imagery

Order No: 20181119237



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Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

Topographic Map

Address: Parts of Lot 13 & 14 Concession 3, Carp, ON, K0A 1L0

Source: ESRI World Topographic Map

Order No: 20181119237



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	1 of 1	-/0.0	110.9/ 0.00	lot 15 con 3 Ottawa ON	WWIS

Well ID: 7127229
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:
Final Well Status: Test Hole
Water Type:
Casing Material:
Audit No: M04486
Tag: A074638
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: 8/10/2009
Selected Flag: Yes
Abandonment Rec:
Contractor: 1844
Form Version: 5
Owner:
Street Name: CARP AIRPORT
County: OTTAWA-CARLETON
Municipality: HUNTLEY TOWNSHIP
Site Info:
Lot: 015
Concession: 03
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1002810670
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind: This is a record from cluster log sheet
Date Completed: 16-JUN-09
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 111.28
Elevrc:
Zone: 18
East83: 420305
Org CS: UTM83
North83: 5019419
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1002810674
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Use</u>					
Method Construction ID:		1002810673			
Method Construction Code:					
Method Construction:					
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:		1002810675			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1002810677			
Layer:					
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		.6			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1002810676			
Layer:					
Slot:					
Screen Top Depth:		.6			
Screen End Depth:		3.6			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1002810678			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:					
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					
Hole ID:		1002810672			
Diameter:		20			
Depth From:					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Depth To:</i>		3.6			
<i>Hole Depth UOM:</i>		m			
<i>Hole Diameter UOM:</i>		cm			
<u>Bore Hole Information</u>					
<i>Bore Hole ID:</i>	1002810634			<i>Elevation:</i>	114.2
<i>DP2BR:</i>				<i>Elevrc:</i>	
<i>Spatial Status:</i>				<i>Zone:</i>	18
<i>Code OB:</i>				<i>East83:</i>	420323
<i>Code OB Desc:</i>				<i>Org CS:</i>	UTM83
<i>Open Hole:</i>				<i>North83:</i>	5019178
<i>Cluster Kind:</i>	This is a record from cluster log sheet			<i>UTMRC:</i>	3
<i>Date Completed:</i>	15-JUN-09			<i>UTMRC Desc:</i>	margin of error : 10 - 30 m
<i>Remarks:</i>				<i>Location Method:</i>	wwr
<i>Elevrc Desc:</i>					
<i>Location Source Date:</i>					
<i>Improvement Location Source:</i>					
<i>Improvement Location Method:</i>					
<i>Source Revision Comment:</i>					
<i>Supplier Comment:</i>					
<u>Annular Space/Abandonment Sealing Record</u>					
<i>Plug ID:</i>	1002810638				
<i>Layer:</i>					
<i>Plug From:</i>					
<i>Plug To:</i>					
<i>Plug Depth UOM:</i>					
<u>Method of Construction & Well Use</u>					
<i>Method Construction ID:</i>	1002810637				
<i>Method Construction Code:</i>					
<i>Method Construction:</i>					
<i>Other Method Construction:</i>	HSA				
<u>Pipe Information</u>					
<i>Pipe ID:</i>	1002810639				
<i>Casing No:</i>	0				
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>	1002810641				
<i>Layer:</i>					
<i>Material:</i>	1				
<i>Open Hole or Material:</i>	STEEL				
<i>Depth From:</i>					
<i>Depth To:</i>	.6				
<i>Casing Diameter:</i>					
<i>Casing Diameter UOM:</i>					
<i>Casing Depth UOM:</i>	m				
<u>Construction Record - Screen</u>					
<i>Screen ID:</i>	1002810640				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:					
Slot:					
Screen Top Depth:		.6			
Screen End Depth:		3.6			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1002810642			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:					
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					
Hole ID:		1002810636			
Diameter:		20			
Depth From:					
Depth To:		3.6			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Bore Hole Information</u>					
Bore Hole ID:		1002810697		Elevation:	111.6
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	420380
Code OB Desc:				Org CS:	UTM83
Open Hole:				North83:	5019368
Cluster Kind:		This is a record from cluster log sheet		UTMRC:	3
Date Completed:		16-JUN-09		UTMRC Desc:	margin of error : 10 - 30 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1002810701			
Layer:					
Plug From:					
Plug To:					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1002810700			
Method Construction Code:					
Method Construction:					
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:		1002810702			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1002810704			
Layer:					
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		.6			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1002810703			
Layer:					
Slot:					
Screen Top Depth:		.6			
Screen End Depth:		3.6			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1002810705			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:					
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Hole ID:</i>		1002810699			
<i>Diameter:</i>		20			
<i>Depth From:</i>					
<i>Depth To:</i>		3.6			
<i>Hole Depth UOM:</i>		m			
<i>Hole Diameter UOM:</i>		cm			
<u>Bore Hole Information</u>					
<i>Bore Hole ID:</i>	1002810652			<i>Elevation:</i>	111.75
<i>DP2BR:</i>				<i>Elevrc:</i>	
<i>Spatial Status:</i>				<i>Zone:</i>	18
<i>Code OB:</i>				<i>East83:</i>	420393
<i>Code OB Desc:</i>				<i>Org CS:</i>	UTM83
<i>Open Hole:</i>				<i>North83:</i>	5019349
<i>Cluster Kind:</i>	This is a record from cluster log sheet			<i>UTMRC:</i>	3
<i>Date Completed:</i>	15-JUN-09			<i>UTMRC Desc:</i>	margin of error : 10 - 30 m
<i>Remarks:</i>				<i>Location Method:</i>	wwr
<i>Elevrc Desc:</i>					
<i>Location Source Date:</i>					
<i>Improvement Location Source:</i>					
<i>Improvement Location Method:</i>					
<i>Source Revision Comment:</i>					
<i>Supplier Comment:</i>					
<u>Annular Space/Abandonment Sealing Record</u>					
<i>Plug ID:</i>	1002810656				
<i>Layer:</i>					
<i>Plug From:</i>					
<i>Plug To:</i>					
<i>Plug Depth UOM:</i>					
<u>Method of Construction & Well Use</u>					
<i>Method Construction ID:</i>	1002810655				
<i>Method Construction Code:</i>					
<i>Method Construction:</i>					
<i>Other Method Construction:</i>	HSA				
<u>Pipe Information</u>					
<i>Pipe ID:</i>	1002810657				
<i>Casing No:</i>	0				
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>	1002810659				
<i>Layer:</i>					
<i>Material:</i>	1				
<i>Open Hole or Material:</i>	STEEL				
<i>Depth From:</i>					
<i>Depth To:</i>	.6				
<i>Casing Diameter:</i>					
<i>Casing Diameter UOM:</i>					
<i>Casing Depth UOM:</i>	m				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
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Construction Record - Screen

Screen ID: 1002810658
 Layer:
 Slot:
 Screen Top Depth: .6
 Screen End Depth: 3.6
 Screen Material:
 Screen Depth UOM: m
 Screen Diameter UOM:
 Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1002810660
 Pump Set At:
 Static Level:
 Final Level After Pumping:
 Recommended Pump Depth:
 Pumping Rate:
 Flowing Rate:
 Recommended Pump Rate:
 Levels UOM:
 Rate UOM:
 Water State After Test Code:
 Water State After Test:
 Pumping Test Method:
 Pumping Duration HR:
 Pumping Duration MIN:
 Flowing:

Hole Diameter

Hole ID: 1002810654
 Diameter: 20
 Depth From:
 Depth To: 3.6
 Hole Depth UOM: m
 Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID:	1002810643	Elevation:	111.7
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	420387
Code OB Desc:		Org CS:	UTM83
Open Hole:		North83:	5019350
Cluster Kind:	This is a record from cluster log sheet	UTMRC:	3
Date Completed:	15-JUN-09	UTMRC Desc:	margin of error : 10 - 30 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID: 1002810647

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID: 1002810646					
Method Construction Code:					
Method Construction:					
Other Method Construction: HSA					
<u>Pipe Information</u>					
Pipe ID: 1002810648					
Casing No: 0					
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID: 1002810650					
Layer:					
Material: 1					
Open Hole or Material: STEEL					
Depth From:					
Depth To: .6					
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM: m					
<u>Construction Record - Screen</u>					
Screen ID: 1002810649					
Layer:					
Slot:					
Screen Top Depth: .6					
Screen End Depth: 3.6					
Screen Material:					
Screen Depth UOM: m					
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID: 1002810651					
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:					
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
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Hole Diameter

Hole ID: 1002810645
Diameter: 20
Depth From:
Depth To: 3.6
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID:	1002810661	Elevation:	111.83
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	420400
Code OB Desc:		Org CS:	UTM83
Open Hole:		North83:	5019342
Cluster Kind:	This is a record from cluster log sheet	UTMRC:	3
Date Completed:	15-JUN-09	UTMRC Desc:	margin of error : 10 - 30 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID: 1002810665
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID: 1002810664
Method Construction Code:
Method Construction:
Other Method Construction: HSA

Pipe Information

Pipe ID: 1002810666
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002810668
Layer:
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: .6
Casing Diameter:

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
Casing Diameter UOM:					
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1002810667			
Layer:					
Slot:					
Screen Top Depth:		.6			
Screen End Depth:		3.6			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1002810669			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:					
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					
Hole ID:		1002810663			
Diameter:		20			
Depth From:					
Depth To:		3.6			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Bore Hole Information</u>					
Bore Hole ID:	1002810688		Elevation:	112.13	
DP2BR:			Elevrc:		
Spatial Status:			Zone:	18	
Code OB:			East83:	420316	
Code OB Desc:			Org CS:	UTM83	
Open Hole:			North83:	5019348	
Cluster Kind:	This is a record from cluster log sheet		UTMRC:	3	
Date Completed:	16-JUN-09		UTMRC Desc:	margin of error : 10 - 30 m	
Remarks:			Location Method:	wwr	
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Sealing Record</u>					
Plug ID:		1002810692			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1002810691			
Method Construction Code:					
Method Construction:					
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:		1002810693			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1002810695			
Layer:					
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		.6			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1002810694			
Layer:					
Slot:					
Screen Top Depth:		.6			
Screen End Depth:		3.6			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1002810696			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:					
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1002810690
Diameter: 20
Depth From:
Depth To: 3.6
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID:	1002636945	Elevation:	112.36
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	419327
Code OB Desc:		Org CS:	UTM83
Open Hole:	N	North83:	5019365
Cluster Kind:		UTMRC:	4
Date Completed:	15-JUN-09	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: 1002810709
Layer: 3
Color: 2
General Color: GREY
Mat1: 26
Most Common Material: ROCK
Mat2: 28
Other Materials: SAND
Mat3: 11
Other Materials: GRAVEL
Formation Top Depth: 1.8
Formation End Depth: 2.5
Formation End Depth UOM: m

**Overburden and Bedrock
Materials Interval**

Formation ID: 1002810708
Layer: 2
Color: 2
General Color: GREY
Mat1: 10
Most Common Material: COARSE SAND
Mat2: 11
Other Materials: GRAVEL
Mat3:
Other Materials:
Formation Top Depth: .1

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth:			1.8		
Formation End Depth UOM:			m		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			1002810711		
Layer:			5		
Color:			2		
General Color:			GREY		
Mat1:			06		
Most Common Material:			SILT		
Mat2:			05		
Other Materials:			CLAY		
Mat3:			28		
Other Materials:			SAND		
Formation Top Depth:			2.8		
Formation End Depth:			3.6		
Formation End Depth UOM:			m		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			1002810707		
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:			m		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			1002810710		
Layer:			4		
Color:			2		
General Color:			GREY		
Mat1:			28		
Most Common Material:			SAND		
Mat2:			11		
Other Materials:			GRAVEL		
Mat3:			26		
Other Materials:			ROCK		
Formation Top Depth:			2.5		
Formation End Depth:			2.8		
Formation End Depth UOM:			m		
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:			1002810713		
Layer:			1		
Plug From:			0		
Plug To:			.6		
Plug Depth UOM:			m		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Method of Construction & Well Use

Method Construction ID: 1002810716
Method Construction Code: F
Method Construction: H.S.A.
Other Method Construction:

Pipe Information

Pipe ID: 1002810706
Casing No: 0
Comment:
Alt Name:

Construction Record - Screen

Screen ID: 1002810714
Layer: 1
Slot: 10
Screen Top Depth:
Screen End Depth:
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 5.8

Hole Diameter

Hole ID: 1002810712
Diameter: 20
Depth From: 0
Depth To: 3.6
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID:	1002810625	Elevation:	114.19
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	420325
Code OB Desc:		Org CS:	UTM83
Open Hole:		North83:	5019185
Cluster Kind:	This is a record from cluster log sheet	UTMRC:	3
Date Completed:	15-JUN-09	UTMRC Desc:	margin of error : 10 - 30 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID: 1002810629
Layer:
Plug From:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1002810628			
Method Construction Code:					
Method Construction:					
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:		1002810630			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1002810632			
Layer:					
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		.6			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1002810631			
Layer:					
Slot:					
Screen Top Depth:		.6			
Screen End Depth:		3.6			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1002810633			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:					
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Hole Diameter</u>					
Hole ID:		1002810627			
Diameter:		20			
Depth From:					
Depth To:		3.6			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Bore Hole Information</u>					
Bore Hole ID:	1002810679			Elevation:	112
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	420340
Code OB Desc:				Org CS:	UTM83
Open Hole:				North83:	5019336
Cluster Kind:	This is a record from cluster log sheet			UTMRC:	3
Date Completed:	16-JUN-09			UTMRC Desc:	margin of error : 10 - 30 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1002810683			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1002810682			
Method Construction Code:					
Method Construction:					
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:		1002810684			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1002810686			
Layer:					
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		.6			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			

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

Screen ID: 1002810685
 Layer:
 Slot:
 Screen Top Depth: .6
 Screen End Depth: 3.6
 Screen Material:
 Screen Depth UOM: m
 Screen Diameter UOM:
 Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1002810687
 Pump Set At:
 Static Level:
 Final Level After Pumping:
 Recommended Pump Depth:
 Pumping Rate:
 Flowing Rate:
 Recommended Pump Rate:
 Levels UOM:
 Rate UOM:
 Water State After Test Code:
 Water State After Test:
 Pumping Test Method:
 Pumping Duration HR:
 Pumping Duration MIN:
 Flowing:

Hole Diameter

Hole ID: 1002810681
 Diameter: 20
 Depth From:
 Depth To: 3.6
 Hole Depth UOM: m
 Hole Diameter UOM: cm

2 1 of 1 -/0.0 111.9/ 1.00 **portion of 1500 Thomas Argue Road
Ottawa ON** **EHS**

Order No:	20160328048	Nearest Intersection:	
Status:	C	Municipality:	
Report Type:	Custom Report	Client Prov/State:	ON
Report Date:	12-APR-16	Search Radius (km):	.25
Date Received:	28-MAR-16	X:	-76.01435
Previous Site Name:		Y:	45.323757
Lot/Building Size:			
Additional Info Ordered:	City Directory		

3 1 of 1 **S/28.0** 111.8/ 0.97 **lot 13 con 3
CARP ON** **WWIS**

Well ID:	1535240	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Not Used	Date Received:	11/22/2004
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Observation Wells	Abandonment Rec:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Type:				Contractor:	1119
Casing Material:				Form Version:	3
Audit No:	Z19014			Owner:	
Tag:	A018872			Street Name:	3257 CARP RD.
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	HUNTLEY TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	013
Well Depth:				Concession:	03
Overburden/Bedrock:				Concession Name:	CON
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:	11172992	Elevation:	113.2
DP2BR:	127	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	420424
Code OB Desc:	Bedrock	Org CS:	UTM83
Open Hole:		North83:	5019205
Cluster Kind:		UTMRC:	3
Date Completed:	20-SEP-04	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:	932969314
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	38.7
Formation End Depth:	43.9
Formation End Depth UOM:	m

Overburden and Bedrock

Materials Interval

Formation ID:	932969313
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Other Materials:					
Formation Top Depth:			0		
Formation End Depth:			38.7		
Formation End Depth UOM:			m		
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:			933253428		
Layer:			2		
Plug From:					
Plug To:					
Plug Depth UOM:			m		
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:			933253427		
Layer:			1		
Plug From:					
Plug To:					
Plug Depth UOM:			m		
<u>Method of Construction & Well Use</u>					
Method Construction ID:			961535240		
Method Construction Code:			5		
Method Construction:			Air Percussion		
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:			11181511		
Casing No:			1		
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:			930843383		
Layer:			2		
Material:			5		
Open Hole or Material:			PLASTIC		
Depth From:			-.95		
Depth To:			40.5		
Casing Diameter:			5.1		
Casing Diameter UOM:			cm		
Casing Depth UOM:			m		
<u>Construction Record - Casing</u>					
Casing ID:			930843384		
Layer:			3		
Material:			5		
Open Hole or Material:			PLASTIC		
Depth From:			-.95		
Depth To:			.6		
Casing Diameter:			5.1		
Casing Diameter UOM:			cm		
Casing Depth UOM:			m		

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

Casing ID: 930843382
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: -1
Depth To: 38.3
Casing Diameter: 15.88
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 933409140
Layer: 2
Slot: 010
Screen Top Depth: .6
Screen End Depth: 4
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 5.1

Construction Record - Screen

Screen ID: 933409139
Layer: 1
Slot: 010
Screen Top Depth: 40.5
Screen End Depth: 43.6
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 5.1

Hole Diameter

Hole ID: 11306200
Diameter: 15.24
Depth From: 0
Depth To: 43.9
Hole Depth UOM: m
Hole Diameter UOM: cm

4	1 of 1	WSW/46.6	110.9 / 0.00	lot 13 con 3 Ottawa ON	WWIS
Well ID:	7290426			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:				Date Received:	7/12/2017
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Abandoned-Other			Abandonment Rec:	Yes
Water Type:				Contractor:	1844
Casing Material:				Form Version:	7
Audit No:	Z213723			Owner:	
Tag:	A011932			Street Name:	1500 THOMAS ARGUE RD
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	HUNTLEY TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	013

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:				Concession: 03 Concession Name: CON Easting NAD83: Northing NAD83: Zone: UTM Reliability:	
<u>Bore Hole Information</u>					
Bore Hole ID: 1006629284 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 25-MAY-17 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:				Elevation: 112.18 Elevrc: Zone: 18 East83: 420284 Org CS: UTM83 North83: 5019320 UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr	
<u>Method of Construction & Well Use</u>					
Method Construction ID: 1006691806 Method Construction Code: Method Construction: Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID: 1006691800 Casing No: 0 Comment: Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID: 1006691804 Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM: cm Casing Depth UOM: m					
<u>Construction Record - Screen</u>					
Screen ID: 1006691805 Layer: Slot: Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM: m					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Diameter UOM:		cm			
Screen Diameter:					
<u>Water Details</u>					
Water ID:		1006691803			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1006691802			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

<u>5</u>	1 of 1	S/72.4	112.6 / 1.69	lot 13 con 3 ON	WWIS
Well ID:		1514573		Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:		Domestic		Date Received:	3/11/1975
Sec. Water Use:		0		Selected Flag:	Yes
Final Well Status:		Water Supply		Abandonment Rec:	
Water Type:				Contractor:	1558
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	HUNTLEY TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	013
Well Depth:				Concession:	03
Overburden/Bedrock:				Concession Name:	CON
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:		10036546		Elevation:	114.07
DP2BR:		123		Elevrc:	
Spatial Status:				Zone:	18
Code OB:		r		East83:	420435.5
Code OB Desc:		Bedrock		Org CS:	
Open Hole:				North83:	5019162
Cluster Kind:				UTMRC:	4
Date Completed:		13-FEB-75		UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	p4
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			931026637		
Layer:			4		
Color:			8		
General Color:			BLACK		
Mat1:			15		
Most Common Material:			LIMESTONE		
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:			123		
Formation End Depth:			175		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			931026634		
Layer:			1		
Color:			6		
General Color:			BROWN		
Mat1:			28		
Most Common Material:			SAND		
Mat2:			06		
Other Materials:			SILT		
Mat3:			79		
Other Materials:			PACKED		
Formation Top Depth:			0		
Formation End Depth:			30		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			931026635		
Layer:			2		
Color:			3		
General Color:			BLUE		
Mat1:			05		
Most Common Material:			CLAY		
Mat2:			77		
Other Materials:			LOOSE		
Mat3:					
Other Materials:					
Formation Top Depth:			30		
Formation End Depth:			115		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			931026636		
Layer:			3		
Color:			2		
General Color:			GREY		
Mat1:			28		
Most Common Material:			SAND		
Mat2:			05		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Other Materials:		CLAY			
Mat3:		79			
Other Materials:		PACKED			
Formation Top Depth:		115			
Formation End Depth:		123			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961514573			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10585116			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930064588			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		175			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930064587			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		124			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991514573			
Pump Set At:					
Static Level:		18			
Final Level After Pumping:		30			
Recommended Pump Depth:		70			
Pumping Rate:		20			
Flowing Rate:					
Recommended Pump Rate:		5			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		2			
Water State After Test:		CLOUDY			
Pumping Test Method:		2			
Pumping Duration HR:		2			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pumping Duration MIN: Flowing:		0 N			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934100402			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		30			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934643991			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		30			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934383002			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		30			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934901459			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		30			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933470458			
Layer:		1			
Kind Code:		3			
Kind:		SULPHUR			
Water Found Depth:		167			
Water Found Depth UOM:		ft			

<u>6</u>	1 of 1	SSW/97.6	111.9 / 1.00	lot 13 con 3 ON	WWIS
Well ID:	7279017				
Construction Date:				Data Entry Status:	Yes
Primary Water Use:				Data Src:	
Sec. Water Use:				Date Received:	1/12/2017
Final Well Status:				Selected Flag:	Yes
Water Type:				Abandonment Rec:	
Casing Material:				Contractor:	1844
Audit No:	C23732			Form Version:	8
Tag:				Owner:	
Construction Method:				Street Name:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevation Reliability:				Municipality:	HUNTLEY TOWNSHIP
Depth to Bedrock:				Site Info:	
Well Depth:				Lot:	013
				Concession:	03

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:				Concession Name: CON Easting NAD83: Northing NAD83: Zone: UTM Reliability:	
<u>Bore Hole Information</u>					
Bore Hole ID: 1006332664 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 08-NOV-13 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:				Elevation: 114.27 Elevrc: Zone: 18 East83: 420336 Org CS: UTM83 North83: 5019172 UTMRC: 5 UTMRC Desc: margin of error : 100 m - 300 m Location Method: wwr	

7	1 of 1	SSW/99.0	111.9 / 1.00	Ottawa ON	WWIS
Well ID: 7290427 Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Abandoned-Other Water Type: Casing Material: Audit No: Z213724 Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:				Data Entry Status: Data Src: Date Received: 7/12/2017 Selected Flag: Yes Abandonment Rec: Yes Contractor: 1844 Form Version: 7 Owner: Street Name: 1500 THOMAS ARGUE RD County: OTTAWA-CARLETON Municipality: HUNTLEY TOWNSHIP Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	
<u>Bore Hole Information</u>					
Bore Hole ID: 1006629297 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 25-MAY-17 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source:				Elevation: 114.15 Elevrc: Zone: 18 East83: 420316 Org CS: UTM83 North83: 5019195 UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Method of Construction & Well Use</u>					
Method Construction ID: 1006691813					
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID: 1006691807					
Casing No: 0					
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID: 1006691811					
Layer:					
Material:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM: cm					
Casing Depth UOM: m					
<u>Construction Record - Screen</u>					
Screen ID: 1006691812					
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM: m					
Screen Diameter UOM: cm					
Screen Diameter:					
<u>Water Details</u>					
Water ID: 1006691810					
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM: m					
<u>Hole Diameter</u>					
Hole ID: 1006691809					
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM: m					
Hole Diameter UOM: cm					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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8

1 of 2

SSW/105.4

111.9 / 1.00

OTTAWA ON

WWIS

Well ID: 1536752
 Construction Date:
 Primary Water Use:
 Sec. Water Use:
 Final Well Status: Observation Wells
 Water Type:
 Casing Material:
 Audit No: Z50484
 Tag: A045182
 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: 10/17/2006
 Selected Flag: Yes
 Abandonment Rec:
 Contractor: 1844
 Form Version: 3
 Owner:
 Street Name: 3257 CARP ROAD
 County: OTTAWA-CARLETON
 Municipality: HUNTLEY TOWNSHIP
 Site Info:
 Lot:
 Concession:
 Concession Name:
 Easting NAD83:
 Northing NAD83:
 Zone:
 UTM Reliability:

Bore Hole Information

Bore Hole ID: 11691846
 DP2BR:
 Spatial Status:
 Code OB: o
 Code OB Desc: Overburden
 Open Hole:
 Cluster Kind:
 Date Completed: 10-JUL-06
 Remarks:
 Elevrc Desc:
 Location Source Date:
 Improvement Location Source:
 Improvement Location Method:
 Source Revision Comment:
 Supplier Comment:

Elevation: 114.24
 Elevrc:
 Zone: 18
 East83: 420326
 Org CS: UTM83
 North83: 5019172
 UTMRC: 3
 UTMRC Desc: margin of error : 10 - 30 m
 Location Method: wwr

Overburden and Bedrock

Materials Interval

Formation ID: 933070857
 Layer: 3
 Color: 2
 General Color: GREY
 Mat1: 28
 Most Common Material: SAND
 Mat2: 84
 Other Materials: SILTY
 Mat3: 91
 Other Materials: WATER-BEARING
 Formation Top Depth: 2.4
 Formation End Depth: 3.7
 Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID: 933070855					
Layer: 1					
Color: 6					
General Color: BROWN					
Mat1: 28					
Most Common Material: SAND					
Mat2: 01					
Other Materials: FILL					
Mat3: 69					
Other Materials: FINE-GRAINED					
Formation Top Depth: 0					
Formation End Depth: 1					
Formation End Depth UOM: m					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID: 933070856					
Layer: 2					
Color: 2					
General Color: GREY					
Mat1: 28					
Most Common Material: SAND					
Mat2: 91					
Other Materials: WATER-BEARING					
Mat3:					
Other Materials:					
Formation Top Depth: 1					
Formation End Depth: 2.4					
Formation End Depth UOM: m					
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID: 933286523					
Layer: 1					
Plug From: 0					
Plug To: .05					
Plug Depth UOM: m					
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID: 961536752					
Method Construction Code: B					
Method Construction: Other Method					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID: 11696712					
Casing No: 1					
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID: 930886902					
Layer: 1					
Material: 5					
Open Hole or Material: PLASTIC					
Depth From: 0					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth To:		.05			
Casing Diameter:		51			
Casing Diameter UOM:		mm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		933420739			
Layer:		1			
Slot:		10			
Screen Top Depth:		.05			
Screen End Depth:		3.7			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		mm			
Screen Diameter:		58			
<u>Hole Diameter</u>					
Hole ID:		11755414			
Diameter:		20			
Depth From:		0			
Depth To:		3.7			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

<u>8</u>	2 of 2	SSW/105.4	111.9 / 1.00	lot 13 con 3 ON	WWIS
Well ID:		7279016		Data Entry Status:	Yes
Construction Date:				Data Src:	
Primary Water Use:				Date Received:	1/12/2017
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:				Abandonment Rec:	
Water Type:				Contractor:	1844
Casing Material:				Form Version:	8
Audit No:		C23731		Owner:	
Tag:		A153993		Street Name:	
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	HUNTLEY TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	013
Well Depth:				Concession:	03
Overburden/Bedrock:				Concession Name:	CON
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID:		1006332655		Elevation:	114.24
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	420326
Code OB Desc:				Org CS:	UTM83
Open Hole:				North83:	5019172
Cluster Kind:				UTMRC:	5
Date Completed:		08-NOV-13		UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	wwr
Elevrc Desc:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:					

<u>9</u>	1 of 1	SSW/106.4	111.9 / 1.00	Ottawa ON	WWIS
Well ID:	7290463			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:				Date Received:	7/13/2017
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Abandoned-Other			Abandonment Rec:	Yes
Water Type:				Contractor:	1844
Casing Material:				Form Version:	7
Audit No:	Z213725			Owner:	
Tag:				Street Name:	1500 THOMAS ARGUE RD (CARP AIRPORT)
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	HUNTLEY TOWNSHIP
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:	1006626009	Elevation:	114.15
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	420316
Code OB Desc:		Org CS:	UTM83
Open Hole:		North83:	5019183
Cluster Kind:		UTMRC:	4
Date Completed:	25-MAY-17	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:	1006694089
Layer:	1
Color:	
General Color:	
Mat1:	00
Most Common Material:	UNKNOWN TYPE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	33

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1006694094			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006694088			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006694092			
Layer:					
Material:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1006694093			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
<u>Water Details</u>					
Water ID:		1006694091			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1006694090			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
10	1 of 1	SSW/106.6	111.9 / 1.00	lot 13 con 3 ON	WWIS
Well ID: 7279014 Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: C23826 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: Yes Data Src: Date Received: 1/12/2017 Selected Flag: Yes Abandonment Rec: Contractor: 1844 Form Version: 8 Owner: Street Name: County: OTTAWA-CARLETON Municipality: HUNTLEY TOWNSHIP Site Info: Lot: 013 Concession: 03 Concession Name: CON Easting NAD83: Northing NAD83: Zone: UTM Reliability:			
<u>Bore Hole Information</u>					
Bore Hole ID: 1006332325 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 08-OCT-13 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:		Elevation: 114.26 Elevrc: Zone: 18 East83: 420326 Org CS: UTM83 North83: 5019170 UTMRC: 5 UTMRC Desc: margin of error : 100 m - 300 m Location Method: wwr			
11	1 of 1	WNW/126.6	109.9 / -1.00	lot 14 con 3 CARP ON	WWIS
Well ID: 1535239 Construction Date: Primary Water Use: Not Used Sec. Water Use: Final Well Status: Observation Wells Water Type: Casing Material: Audit No: Z19016 Tag: A018880 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: 11/22/2004 Selected Flag: Yes Abandonment Rec: Contractor: 1119 Form Version: 3 Owner: Street Name: 3257 CARP RD County: OTTAWA-CARLETON Municipality: HUNTLEY TOWNSHIP Site Info: Lot: 014 Concession: 03 Concession Name: CON Easting NAD83: Northing NAD83: Zone: UTM Reliability:			

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

Bore Hole Information

Bore Hole ID:	11172991	Elevation:	111.24
DP2BR:	114	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	420155
Code OB Desc:	Bedrock	Org CS:	UTM83
Open Hole:		North83:	5019475
Cluster Kind:		UTMRC:	3
Date Completed:	21-SEP-04	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:	932969312
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	34.7
Formation End Depth:	39.3
Formation End Depth UOM:	m

Overburden and Bedrock

Materials Interval

Formation ID:	932969311
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	34.7
Formation End Depth UOM:	m

Annular Space/Abandonment

Sealing Record

Plug ID:	933253426
Layer:	2
Plug From:	
Plug To:	
Plug Depth UOM:	m

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933253425			
Layer:		1			
Plug From:					
Plug To:					
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961535239			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11181510			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930843380			
Layer:		2			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		-.95			
Depth To:		36.3			
Casing Diameter:		5.1			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Casing</u>					
Casing ID:		930843379			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		-1			
Depth To:		34.6			
Casing Diameter:		15.88			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Casing</u>					
Casing ID:		930843381			
Layer:		3			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		-.95			
Depth To:		.6			
Casing Diameter:		5.1			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			

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

Screen ID: 933409138
 Layer: 2
 Slot: 010
 Screen Top Depth: .6
 Screen End Depth: 3.35
 Screen Material: 5
 Screen Depth UOM: m
 Screen Diameter UOM: cm
 Screen Diameter: 5.1

Construction Record - Screen

Screen ID: 933409137
 Layer: 1
 Slot: 010
 Screen Top Depth: 36.3
 Screen End Depth: 39.3
 Screen Material: 5
 Screen Depth UOM: m
 Screen Diameter UOM: cm
 Screen Diameter: 5.1

Hole Diameter

Hole ID: 11306199
 Diameter: 15.24
 Depth From: 0
 Depth To: 39.3
 Hole Depth UOM: m
 Hole Diameter UOM: cm

12 1 of 1 SW/160.0 111.9 / 1.00 Ottawa ON WWIS

Well ID: 7127228
 Construction Date:
 Primary Water Use:
 Sec. Water Use:
 Final Well Status: Abandoned Monitoring and Test Hole
 Water Type:
 Casing Material:
 Audit No: M04487
 Tag:
 Construction Method:
 Elevation (m):
 Elevation Reliability:
 Depth to Bedrock:
 Well Depth:
 Overburden/Bedrock:
 Pump Rate:
 Static Water Level:
 Flowing (Y/N):
 Flow Rate:
 Clear/Cloudy:

Data Entry Status:
 Data Src:
 Date Received: 8/10/2009
 Selected Flag: Yes
 Abandonment Rec: Yes
 Contractor: 1844
 Form Version: 5
 Owner:
 Street Name: CARP AIRPORT
 County: OTTAWA-CARLETON
 Municipality: OTTAWA CITY
 Site Info:
 Lot:
 Concession:
 Concession Name:
 Easting NAD83:
 Northing NAD83:
 Zone:
 UTM Reliability:

Bore Hole Information

Bore Hole ID: 1002636942 Elevation: 113.98
 DP2BR: Elevrc:
 Spatial Status: Zone: 18

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Code OB:				East83:	420263
Code OB Desc:				Org CS:	UTM83
Open Hole:	N			North83:	5019179
Cluster Kind:				UTMRC:	4
Date Completed:	07-JUN-09			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: 1002810618
Layer: 1
Plug From: 0
Plug To: 4
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1002810619
Method Construction Code:
Method Construction:
Other Method Construction:

Hole Diameter

Hole ID: 1002810617
Diameter: 20
Depth From: 0
Depth To: 4
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID:	1002810612	Elevation:	114.25
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	420254
Code OB Desc:		Org CS:	UTM83
Open Hole:		North83:	5019175
Cluster Kind:	This is a record from cluster log sheet	UTMRC:	3
Date Completed:	17-JUN-09	UTMRC Desc:	margin of error : 10 - 30 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID: 1002810616
Layer:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug From: Plug To: Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1002810615			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Hole Diameter</u>					
Hole ID:		1002810614			
Diameter:		20			
Depth From:					
Depth To:		4			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Bore Hole Information</u>					
Bore Hole ID:		1002810607		Elevation: 113.98	
DP2BR:				Elevrc:	
Spatial Status:				Zone: 18	
Code OB:				East83: 420263	
Code OB Desc:				Org CS: UTM83	
Open Hole:				North83: 5019179	
Cluster Kind:		This is a record from cluster log sheet		UTMRC: 3	
Date Completed:		17-JUN-09		UTMRC Desc: margin of error : 10 - 30 m	
Remarks:				Location Method: wwr	
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1002810611			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1002810610			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Hole Diameter</u>					
Hole ID:		1002810609			
Diameter:		20			
Depth From:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth To:		4			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

13	1 of 1	ENE/201.6	109.8 / -1.12	lot 13 con 3 ON	WWIS
Well ID:	1503129			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	12/19/1958
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	4832
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	HUNTLEY TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	013
Well Depth:				Concession:	03
Overburden/Bedrock:				Concession Name:	CON
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:	10025172	Elevation:	111.2
DP2BR:	152	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	420700.5
Code OB Desc:	Bedrock	Org CS:	
Open Hole:		North83:	5019542
Cluster Kind:		UTMRC:	5
Date Completed:	14-JUN-58	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	930996074
Layer:	3
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	152
Formation End Depth:	187
Formation End Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930996073			
Layer:		2			
Color:					
General Color:					
Mat1:		14			
Most Common Material:		HARDPAN			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		140			
Formation End Depth:		152			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930996072			
Layer:		1			
Color:					
General Color:					
Mat1:		24			
Most Common Material:		PREV. DRILLED			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		140			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961503129			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10573742			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930043114			
Layer:		4			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		187			
Casing Diameter:		3			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Construction Record - Casing</u>					
Casing ID:			930043111		
Layer:			1		
Material:			1		
Open Hole or Material:			STEEL		
Depth From:					
Depth To:			152		
Casing Diameter:			5		
Casing Diameter UOM:			inch		
Casing Depth UOM:			ft		
<u>Construction Record - Casing</u>					
Casing ID:			930043113		
Layer:			3		
Material:			1		
Open Hole or Material:			STEEL		
Depth From:					
Depth To:			180		
Casing Diameter:			3		
Casing Diameter UOM:			inch		
Casing Depth UOM:			ft		
<u>Construction Record - Casing</u>					
Casing ID:			930043112		
Layer:			2		
Material:			1		
Open Hole or Material:			STEEL		
Depth From:					
Depth To:			162		
Casing Diameter:			4		
Casing Diameter UOM:			inch		
Casing Depth UOM:			ft		
<u>Results of Well Yield Testing</u>					
Pump Test ID:			991503129		
Pump Set At:					
Static Level:			28		
Final Level After Pumping:			45		
Recommended Pump Depth:					
Pumping Rate:			3		
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:			ft		
Rate UOM:			GPM		
Water State After Test Code:			1		
Water State After Test:			CLEAR		
Pumping Test Method:			1		
Pumping Duration HR:			3		
Pumping Duration MIN:			0		
Flowing:			N		
<u>Water Details</u>					
Water ID:			933455985		
Layer:			1		
Kind Code:			3		
Kind:			SULPHUR		
Water Found Depth:			183		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Water Found Depth UOM: ft

[14](#) 1 of 1 SSW/239.2 112.9 / 2.00 lot 13 con 3 ON [WWIS](#)

Well ID:	1520137	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	10/1/1985
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	3142
Casing Material:		Form Version:	1
Audit No:		Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA-CARLETON
Elevation (m):		Municipality:	HUNTLEY TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	013
Well Depth:		Concession:	03
Overburden/Bedrock:		Concession Name:	CON
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:	10041985	Elevation:	114.98
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:	o	East83:	420290.5
Code OB Desc:	Overburden	Org CS:	
Open Hole:		North83:	5019026
Cluster Kind:		UTMRC:	9
Date Completed:	05-SEP-85	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	lot
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock
Materials Interval**

Formation ID:	931043841
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Other Materials:	SAND
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	0
Formation End Depth:	20
Formation End Depth UOM:	ft

Overburden and Bedrock

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Materials Interval</u>					
Formation ID:		931043842			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		77			
Other Materials:		LOOSE			
Mat3:					
Other Materials:					
Formation Top Depth:		20			
Formation End Depth:		25			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961520137			
Method Construction Code:		4			
Method Construction:		Rotary (Air)			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10590555			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930073299			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		25			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991520137			
Pump Set At:					
Static Level:		6			
Final Level After Pumping:		15			
Recommended Pump Depth:		15			
Pumping Rate:		20			
Flowing Rate:					
Recommended Pump Rate:		6			
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:		0			
Flowing:		N			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934111382			
Test Type:					
Test Duration:		15			
Test Level:		15			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934376783			
Test Type:					
Test Duration:		30			
Test Level:		15			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934904923			
Test Type:					
Test Duration:		60			
Test Level:		15			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934655534			
Test Type:					
Test Duration:		45			
Test Level:		15			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933477314			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		24			
Water Found Depth UOM:		ft			

Unplottable Summary

Total: **20** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	Kinross Court	Part of Lot 13, Concession	Ottawa ON	
CA	WEST CARLETON TOWNSHIP	R.R.#5(CARP RD.),S-WATER MGT.	WEST CARLETON TWP. ON	
CA	LAURYSSEN KITCHENS LTD.	CARP RD. CON. 3 LOT 5	WEST CARLETON TWP. ON	
CA	PAVAGE YOUNG ENG.	CARP ROAD, STITTSVILLE	WEST CARLETON TWP. ON	
CA	WEST CARLETON TOWNSHIP	RR#5 (CARP RD.) S-WATER MGT.	WEST CARLETON TWP. ON	
CA	City of Ottawa	From Morgan's Grant Way to Old Carp Rd (Halton Terrace Extension)	Ottawa ON	
GEN	GVT. OF CANADA - TRANSPORT CANADA 17-722	CARP AIRPORT BUILDING TWO, CARP C/O TOWER C PLACE DE VILLE 10TH FLOOR	OTTAWA ON	K1A 0N8
NPCB	ONTARIO HYDRO	TP 2996,LOT 14,15,16 LLSGAR T.S., R.M. OTTAWA-CARLE	OTTAWA ON	
SPL		Carp Road (between Hazeldean and Stittsville Main), Stittsville	Ottawa ON	
SPL	TRANSPORT TRUCK	CARP RD. TRANSPORT TRUCK (CARGO)	WEST CARLETON TOWNSHIP ON	
SPL	UNKNOWN	VILLAGE OF CARP CARP ROAD	WEST CARLETON TOWNSHIP ON	
WWIS		lot 14	ON	
WWIS		lot 14	ON	
WWIS		lot 13	ON	
WWIS		lot 14	ON	
WWIS		lot 14	ON	
WWIS		lot 13	ON	

WWIS	lot 13	ON
WWIS	lot 13	ON
WWIS	lot 13	ON

Unplottable Report

Site: *Kinross Court*
Part of Lot 13, Concession Ottawa ON

Database:
CA

Certificate #: 0660-53CRDY
Application Year: 01
Issue Date: 10/11/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Tenth Line Development Inc.
Client Address: 210 Gladstone Avenue, Suite 2001
Client City: Ottawa
Client Postal Code: K2P 0Y6
Project Description: Storm sewer construction.
Contaminants:
Emission Control:

Site: *WEST CARLETON TOWNSHIP*
R.R.#5(CARP RD.),S-WATER MGT. WEST CARLETON TWP. ON

Database:
CA

Certificate #: 3-0439-93-
Application Year: 93
Issue Date: 7/5/1993
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *LAURYSSEN KITCHENS LTD.*
CARP RD. CON. 3 LOT 5 WEST CARLETON TWP. ON

Database:
CA

Certificate #: 8-4157-87-
Application Year: 87
Issue Date: 12/23/1987
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: SPRAY BOOTH
Contaminants:
Emission Control:

Site: *PAVAGE YOUNG ENG.*
CARP ROAD, STITTSVILLE WEST CARLETON TWP. ON

Database:
CA

Certificate #: 8-4027-96-

Application Year: 96
Issue Date: 5/3/1996
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: RELOCATE ASPHALT PLANT
Contaminants: Nitrogen Oxides, Suspended Particulate Matter, Odour/Fumes
Emission Control: No Controls, Spray Chamber, No Controls,

Site: WEST CARLETON TOWNSHIP
RR#5 (CARP RD.) S-WATER MGT. WEST CARLETON TWP. ON

Database:
CA

Certificate #: 3-0439-93-
Application Year: 93
Issue Date: 6/1/1993
Approval Type: Municipal sewage
Status: Cancelled
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: City of Ottawa
From Morgan's Grant Way to Old Carp Rd (Halton Terrace Extension) Ottawa ON

Database:
CA

Certificate #: 1426-7VSV6P
Application Year: 2009
Issue Date: 9/16/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: GVT. OF CANADA - TRANSPORT CANADA 17-722
CARP AIRPORT BUILDING TWO, CARP C/O TOWER C PLACE DE VILLE 10TH FLOOR OTTAWA ON K1A 0N8

Database:
GEN

Generator No.: ON0175142
Status:
Approval Years: 92,93,94,95,96,97
Contam. Facility:
MHSW Facility:
SIC Code: 8171
SIC Description: TRANS./COMM. ADMIN.
PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 243
Waste Description: PCB'S

Site: ONTARIO HYDRO
TP 2996, LOT 14, 15, 16 LLSGAR T.S., R.M. OTTAWA-CARLE OTTAWA ON

Database:
NPCB

Company Code: O0902
Industry: UTILITY
Site Status:
Transaction Date: 5/31/1988
Inspection Date:

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

Database:
SPL

Ref No:	4602-9PMMJY	Discharger Report:	
Site No:	NA	Material Group:	
Incident Dt:	2014/10/06	Client Type:	
Year:		Sector Type:	Sewer (Private or Municipal)
Incident Cause:	Unknown / N/A	Source Type:	
Incident Event:		Nearest Watercourse:	
Contaminant Code:	15	Site Name:	Sanitary sewer<UNOFFICIAL>
Contaminant Name:	MOTOR OIL	Site Address:	Carp Road (between Hazeldean and Stittsville Main), Stittsville
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site County/District:	
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:	0 other - see incident description	Site Region:	
Environment Impact:	Not Anticipated	Site Municipality:	Ottawa
Nature of Impact:	Other Impact(s)	Site Lot:	
Receiving Medium:		Site Conc:	
Receiving Env:		Northing:	
Health/Env Conseq:		Easting:	
MOE Response:	No Field Response	Site Geo Ref Accu:	
Dt MOE Arvl on Scn:		Site Geo Ref Meth:	
MOE Reported Dt:	2014/10/06	Site Map Datum:	
Dt Document Closed:	2014/11/03		
Agency Involved:			
SAC Action Class:	Land Spills		
Incident Reason:	Unknown / N/A		
Incident Summary:	Stittsville, motor oil in sewer, city investigating source		

Site: TRANSPORT TRUCK
CARP RD. TRANSPORT TRUCK (CARGO) WEST CARLETON TOWNSHIP ON

Database:
SPL

Ref No:	67418	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	2/26/1992	Client Type:	
Year:		Sector Type:	
Incident Cause:	OTHER TRANSPORTATION ACCIDENT	Source Type:	
Incident Event:		Nearest Watercourse:	
Contaminant Code:		Site Name:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site County/District:	
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:		Site Region:	
Environment Impact:	CONFIRMED	Site Municipality:	20613
Nature of Impact:	Soil Contamination	Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
Health/Env Conseq:		Easting:	
MOE Response:		Site Geo Ref Accu:	
Dt MOE Arvl on Scn:		Site Geo Ref Meth:	
MOE Reported Dt:	2/26/1992	Site Map Datum:	
Dt Document Closed:			
Agency Involved:			
SAC Action Class:			

Incident Reason: EQUIPMENT FAILURE
Incident Summary: LAIDLAW ENVIRONMENTAL: 315 L ANTIFREEZE TO GRND FROM TRANSPORT TRUCK.

Site: UNKNOWN
VILLAGE OF CARP CARP ROAD WEST CARLETON TOWNSHIP ON

Database:
SPL

Ref No:	106528	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	10/18/1994	Client Type:	
Year:		Sector Type:	
Incident Cause:	UNKNOWN	Source Type:	
Incident Event:		Nearest Watercourse:	
Contaminant Code:		Site Name:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site County/District:	
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:		Site Region:	
Environment Impact:	CONFIRMED	Site Municipality:	20613
Nature of Impact:	Multi Media Pollution	Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
Health/Env Conseq:		Easting:	
MOE Response:		Site Geo Ref Accu:	
Dt MOE Arvl on Scrn:		Site Geo Ref Meth:	
MOE Reported Dt:	10/18/1994	Site Map Datum:	
Dt Document Closed:			
Agency Involved:			
SAC Action Class:			
Incident Reason:	UNKNOWN		
Incident Summary:	HYDROCARBONS SEEPING FROMGROUND INTO DITCH		

Site: lot 14 ON

Database:
WWIS

Well ID:	1525274	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	1/18/1991
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1119
Casing Material:		Form Version:	1
Audit No:	48263	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA-CARLETON
Elevation (m):		Municipality:	HUNTLEY TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	014
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:	10047014	Elevation:	
DP2BR:	4	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	Org CS:	
Open Hole:		North83:	
Cluster Kind:		UTMRC:	9

Date Completed: 07-MAY-90

Remarks:

Elevrc Desc:

Location Source Date:

Improvement Location Source:

Improvement Location Method:

Source Revision Comment:

Supplier Comment:

UTMRC Desc:

unknown UTM

Location Method:

na

Overburden and Bedrock

Materials Interval

Formation ID: 931060657

Layer: 1

Color:

General Color:

Mat1: 01

Most Common Material: FILL

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 0

Formation End Depth: 4

Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931060658

Layer: 2

Color: 2

General Color: GREY

Mat1: 15

Most Common Material: LIMESTONE

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 4

Formation End Depth: 220

Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 933111153

Layer: 1

Plug From: 4

Plug To: 22

Plug Depth UOM: ft

Method of Construction & Well

Use

Method Construction ID: 961525274

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10595584

Casing No: 1

Comment:

Alt Name:

Construction Record - Casing

Casing ID: 930082304
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991525274
Pump Set At:
Static Level: 70
Final Level After Pumping: 170
Recommended Pump Depth: 180
Pumping Rate: 6
Flowing Rate:
Recommended Pump Rate: 6
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934111689
Test Type: Draw Down
Test Duration: 15
Test Level: 170
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934648057
Test Type: Draw Down
Test Duration: 45
Test Level: 170
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934387093
Test Type: Draw Down
Test Duration: 30
Test Level: 170
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934905237
Test Type: Draw Down
Test Duration: 60
Test Level: 170
Test Level UOM: ft

Water Details

Water ID: 933484218
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 210
Water Found Depth UOM: ft

Water Details

Water ID: 933484217
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 190
Water Found Depth UOM: ft

Site:

lot 14 ON

Database:
[WWIS](#)

Well ID: 1521927
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 19303
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: 11/2/1987
Selected Flag: Yes
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: HUNTLEY TOWNSHIP
Site Info:
Lot: 014
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10043740
DP2BR: 33
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 11-SEP-87
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

**Overburden and Bedrock
Materials Interval**

Formation ID: 931049679

Layer: 3
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Other Materials: BOULDERS
Mat3: 73
Other Materials: HARD
Formation Top Depth: 20
Formation End Depth: 33
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931049680
Layer: 4
Color: 2
General Color: GREY
Mat1: 21
Most Common Material: GRANITE
Mat2: 74
Other Materials: LAYERED
Mat3: 73
Other Materials: HARD
Formation Top Depth: 33
Formation End Depth: 290
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931049677
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 77
Other Materials: LOOSE
Mat3: 01
Other Materials: FILL
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931049678
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 13
Other Materials: BOULDERS
Mat3: 79
Other Materials: PACKED
Formation Top Depth: 2
Formation End Depth: 20
Formation End Depth UOM: ft

Method of Construction & Well

Use

Method Construction ID: 961521927
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10592310
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930076444
Layer: 3
Material:
Open Hole or Material:
Depth From:
Depth To: 290
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930076443
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 110
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930076442
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 35
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991521927
Pump Set At:
Static Level: 43
Final Level After Pumping: 175
Recommended Pump Depth: 275
Pumping Rate: 4
Flowing Rate:
Recommended Pump Rate: 4
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2

Pumping Duration HR: 1
Pumping Duration MIN: 30
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934108210
Test Type: Draw Down
Test Duration: 15
Test Level: 90
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934653453
Test Type: Draw Down
Test Duration: 45
Test Level: 175
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934902845
Test Type: Draw Down
Test Duration: 60
Test Level: 175
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934392314
Test Type: Draw Down
Test Duration: 30
Test Level: 135
Test Level UOM: ft

Water Details

Water ID: 933479655
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 282
Water Found Depth UOM: ft

Water Details

Water ID: 933479654
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 233
Water Found Depth UOM: ft

Water Details

Water ID: 933479653
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 45
Water Found Depth UOM: ft

Site:
lot 13 ON

Database:
WWIS

Well ID: 1531575
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 223465
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: 11/16/2000
Selected Flag: Yes
Abandonment Rec:
Contractor: 3323
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: HUNTLEY TOWNSHIP
Site Info:
Lot: 013
Concession:
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10053109
DP2BR: 81
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 24-OCT-00
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock
Materials Interval

Formation ID: 931078895
Layer: 2
Color: 2
General Color: GREY
Mat1: 21
Most Common Material: GRANITE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 81
Formation End Depth: 260
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931078894
Layer: 1
Color: 6
General Color: BROWN

Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 81
Formation End Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933116746
Layer: 1
Plug From: 0
Plug To: 22
Plug Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961531575
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10601679
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930093010
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: 991531575
Pump Set At:
Static Level: 10
Final Level After Pumping: 260
Recommended Pump Depth: 200
Pumping Rate: 6
Flowing Rate:
Recommended Pump Rate: 6
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934397607
Test Type: Recovery
Test Duration: 30
Test Level: 76
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934658125
Test Type: Recovery
Test Duration: 45
Test Level: 45
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934113991
Test Type: Recovery
Test Duration: 15
Test Level: 140
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934915016
Test Type: Recovery
Test Duration: 60
Test Level: 21
Test Level UOM: ft

Water Details

Water ID: 933492088
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 180
Water Found Depth UOM: ft

Water Details

Water ID: 933492089
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 250
Water Found Depth UOM: ft

Site:
lot 14 ON

Database:
WWIS

Well ID: 1528592
Construction Date:
Primary Water Use: Commerical
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 152963
Tag:
Construction Method:

Data Entry Status:
Data Src: 1
Date Received: 8/28/1995
Selected Flag: Yes
Abandonment Rec:
Contractor: 5222
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON

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

Municipality: HUNTLEY TOWNSHIP
Site Info:
Lot: 014
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050128
DP2BR: 7
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 22-DEC-94
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931070131
Layer: 1
Color:
General Color:
Mat1: 01
Most Common Material: FILL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931070132
Layer: 2
Color: 6
General Color: BROWN
Mat1: 10
Most Common Material: COARSE SAND
Mat2: 12
Other Materials: STONES
Mat3:
Other Materials:
Formation Top Depth: 2
Formation End Depth: 7
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931070133
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 73
Other Materials: HARD
Mat3: 78
Other Materials: MEDIUM-GRAINED
Formation Top Depth: 7
Formation End Depth: 65
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931070134
Layer: 4
Color: 8
General Color: BLACK
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 73
Other Materials: HARD
Mat3:
Other Materials:
Formation Top Depth: 65
Formation End Depth: 80
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931070135
Layer: 5
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 73
Other Materials: HARD
Mat3:
Other Materials:
Formation Top Depth: 80
Formation End Depth: 135
Formation End Depth UOM: ft

Annular Space/Abandonment
Sealing Record

Plug ID: 933113504
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well
Use

Method Construction ID: 961528592
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10598698
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930087622
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930087623
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 135
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991528592
Pump Set At:
Static Level: 8
Final Level After Pumping: 50
Recommended Pump Depth: 50
Pumping Rate: 20
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: N

Water Details

Water ID: 933488337
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 80
Water Found Depth UOM: ft

Water Details

Water ID: 933488338
Layer: 2

Kind Code: 1
Kind: FRESH
Water Found Depth: 128
Water Found Depth UOM: ft

Site:
lot 14 ON

Database:
WWIS

Well ID: 1526095
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 76363
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: 2/4/1992
Selected Flag: Yes
Abandonment Rec:
Contractor: 3701
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: HUNTLEY TOWNSHIP
Site Info:
Lot: 014
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047829
DP2BR: 2
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 05-OCT-90
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock
Materials Interval

Formation ID: 931063198
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 2
Formation End Depth: 253
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931063197
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: 2
Formation End Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933111531
Layer: 1
Plug From: 0
Plug To: 203
Plug Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961526095
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10596399
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930083712
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

Construction Record - Casing

Casing ID: 930083713
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 253
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991526095
Pump Set At:
Static Level: 30
Final Level After Pumping:
Recommended Pump Depth: 225
Pumping Rate:
Flowing Rate:
Recommended Pump Rate: 15
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method:
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934650846
Test Type: Draw Down
Test Duration: 45
Test Level: 130
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934389903
Test Type: Draw Down
Test Duration: 30
Test Level: 100
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934908044
Test Type: Draw Down
Test Duration: 60
Test Level: 200
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934106272
Test Type: Draw Down
Test Duration: 15
Test Level: 70
Test Level UOM: ft

Water Details

Water ID: 933485302
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 150
Water Found Depth UOM: ft

Water Details

Water ID: 933485303
Layer: 2
Kind Code: 5

Kind: Not stated
Water Found Depth: 200
Water Found Depth UOM: ft

Water Details

Water ID: 933485304
Layer: 3
Kind Code: 5
Kind: Not stated
Water Found Depth: 250
Water Found Depth UOM: ft

Site: lot 13 ON

Database:
[WWIS](#)

Well ID:	1520666	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	8/8/1986
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1517
Casing Material:		Form Version:	1
Audit No:	NA	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA-CARLETON
Elevation (m):		Municipality:	OTTAWA CITY
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	013
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:	10042508	Elevation:	
DP2BR:	0	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	Org CS:	
Open Hole:		North83:	
Cluster Kind:		UTMRC:	9
Date Completed:	17-JUL-86	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: 931045467
Layer: 1
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 0
Formation End Depth: 75
Formation End Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933109179
Layer: 1
Plug From: 0
Plug To: 30
Plug Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961520666
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10591078
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930074202
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 30
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991520666
Pump Set At:
Static Level: 1
Final Level After Pumping: 40
Recommended Pump Depth: 60
Pumping Rate: 20
Flowing Rate:
Recommended Pump Rate: 70
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934112552

Test Type:
Test Duration: 15
Test Level: 20
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934387835
Test Type:
Test Duration: 30
Test Level: 30
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934648438
Test Type:
Test Duration: 45
Test Level: 35
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934907199
Test Type:
Test Duration: 60
Test Level: 40
Test Level UOM: ft

Water Details

Water ID: 933477982
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 72
Water Found Depth UOM: ft

Site: lot 13 ON

Database:
WWIS

Well ID: 1521755
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 13969
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: 9/28/1987
Selected Flag: Yes
Abandonment Rec:
Contractor: 5222
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: HUNTLEY TOWNSHIP
Site Info:
Lot: 013
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10043572
DP2BR: 34
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 02-SEP-87
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock
Materials Interval

Formation ID: 931049038
Layer: 3
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 84
Other Materials: SILTY
Mat3: 74
Other Materials: LAYERED
Formation Top Depth: 4
Formation End Depth: 34
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931049036
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 01
Other Materials: FILL
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931049041
Layer: 6
Color: 1
General Color: WHITE
Mat1: 46
Most Common Material: QUARTZ
Mat2: 21
Other Materials: GRANITE
Mat3: 73
Other Materials: HARD
Formation Top Depth: 57
Formation End Depth: 72
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931049042
Layer: 7
Color: 2
General Color: GREY
Mat1: 21
Most Common Material: GRANITE
Mat2: 78
Other Materials: MEDIUM-GRAINED
Mat3: 73
Other Materials: HARD
Formation Top Depth: 72
Formation End Depth: 111
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931049039
Layer: 4
Color: 2
General Color: GREY
Mat1: 21
Most Common Material: GRANITE
Mat2: 73
Other Materials: HARD
Mat3:
Other Materials:
Formation Top Depth: 34
Formation End Depth: 50
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931049044
Layer: 9
Color: 8
General Color: BLACK
Mat1: 21
Most Common Material: GRANITE
Mat2: 21
Other Materials: GRANITE
Mat3: 73
Other Materials: HARD
Formation Top Depth: 136
Formation End Depth: 150
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931049043
Layer: 8
Color: 1
General Color: WHITE
Mat1: 46
Most Common Material: QUARTZ
Mat2: 21
Other Materials: GRANITE
Mat3: 78
Other Materials: MEDIUM-GRAINED

Formation Top Depth: 111
Formation End Depth: 136
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931049037
Layer: 2
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2: 79
Other Materials: PACKED
Mat3:
Other Materials:
Formation Top Depth: 2
Formation End Depth: 4
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931049040
Layer: 5
Color: 2
General Color: GREY
Mat1: 21
Most Common Material: GRANITE
Mat2: 73
Other Materials: HARD
Mat3:
Other Materials:
Formation Top Depth: 50
Formation End Depth: 57
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 933109565
Layer: 1
Plug From: 0
Plug To: 36
Plug Depth UOM: ft

Method of Construction & Well

Use

Method Construction ID: 961521755
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10592142
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930076137
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 150
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930076136
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 36
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991521755
Pump Set At:
Static Level: 12
Final Level After Pumping: 140
Recommended Pump Depth: 140
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: 2
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934391881
Test Type: Draw Down
Test Duration: 30
Test Level: 140
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934910532
Test Type: Draw Down
Test Duration: 60
Test Level: 140
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934107638
Test Type: Draw Down
Test Duration: 15
Test Level: 140
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934652882
Test Type: Draw Down
Test Duration: 45
Test Level: 140
Test Level UOM: ft

Water Details

Water ID: 933479445
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 145
Water Found Depth UOM: ft

Water Details

Water ID: 933479444
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 111
Water Found Depth UOM: ft

Site:
lot 13 ON

Database:
[WWIS](#)

Well ID: 1524318
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 73389
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: 3/12/1990
Selected Flag: Yes
Abandonment Rec:
Contractor: 3142
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: HUNTLEY TOWNSHIP
Site Info:
Lot: 013
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10046088
DP2BR: 71
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 15-FEB-90
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:

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

Source Revision Comment:
Supplier Comment:

Overburden and Bedrock
Materials Interval

Formation ID: 931057528
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 79
Other Materials: PACKED
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 10
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931057529
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 79
Other Materials: PACKED
Mat3:
Other Materials:
Formation Top Depth: 10
Formation End Depth: 30
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931057531
Layer: 4
Color: 8
General Color: BLACK
Mat1: 21
Most Common Material: GRANITE
Mat2: 73
Other Materials: HARD
Mat3:
Other Materials:
Formation Top Depth: 71
Formation End Depth: 173
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931057530
Layer: 3
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 30
Formation End Depth: 71
Formation End Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933110671
Layer: 1
Plug From: 30
Plug To: 80
Plug Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961524318
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10594658
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930080686
Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 88
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930080687
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 173
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930080685
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 71
Casing Diameter: 6
Casing Diameter UOM: inch

Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991524318
Pump Set At:
Static Level: 40
Final Level After Pumping: 90
Recommended Pump Depth: 150
Pumping Rate: 7
Flowing Rate:
Recommended Pump Rate: 6
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934653508
Test Type:
Test Duration: 45
Test Level: 90
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934392540
Test Type:
Test Duration: 30
Test Level: 90
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934910707
Test Type:
Test Duration: 60
Test Level: 90
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934108312
Test Type:
Test Duration: 15
Test Level: 90
Test Level UOM: ft

Water Details

Water ID: 933482949
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 170
Water Found Depth UOM: ft

Site:

Database:
WWIS

lot 13 ON

Well ID: 1525904
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 92156
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: 12/6/1991
Selected Flag: Yes
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: HUNTLEY TOWNSHIP
Site Info:
Lot: 013
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047639
DP2BR: 10
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 20-NOV-91
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931062629
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 10
Formation End Depth: 143
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931062628
Layer: 1
Color: 2
General Color: GREY
Mat1: 05

Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 10
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961525904
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10596209
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930083434
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 143
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930083433
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991525904
Pump Set At:
Static Level: 10
Final Level After Pumping: 135
Recommended Pump Depth: 135
Pumping Rate: 8
Flowing Rate:
Recommended Pump Rate: 8
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0

Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934907455
Test Type:
Test Duration: 60
Test Level: 135
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934389314
Test Type:
Test Duration: 30
Test Level: 135
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934105680
Test Type:
Test Duration: 15
Test Level: 135
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934649840
Test Type:
Test Duration: 45
Test Level: 135
Test Level UOM: ft

Water Details

Water ID: 933485035
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 138
Water Found Depth UOM: ft

Water Details

Water ID: 933485034
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 75
Water Found Depth UOM: ft

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory:

Provincial [AAGR](#)

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

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial [AGR](#)

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

Government Publication Date: Up to Sep 2018

Abandoned Mine Information System:

Provincial [AMIS](#)

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

Government Publication Date: 1800-Nov 2016

Anderson's Waste Disposal Sites:

Private [ANDR](#)

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

Government Publication Date: 1860s-Present

Automobile Wrecking & Supplies:

Private [AUWR](#)

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

Government Publication Date: 1999-Jul 31, 2018

Borehole:

Provincial [BORE](#)

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

Government Publication Date: 1875-Jul 2014

Certificates of Approval:

Provincial [CA](#)

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

Government Publication Date: 1985-Oct 30, 2011*

Commercial Fuel Oil Tanks:

Provincial **CFOT**

List of commercial underground fuel oil tanks made available by the Fuels Safety Program of the Technical Standards & Safety Authority (TSSA). Ontario Regulation 213/01 of the Technical Standards and Safety Act (2000) requires that all underground tanks be registered with the TSSA. Note: the Fuels Safety Division does not register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of commercial fuel tanks in the province. The TSSA updates information in its system on an ongoing basis; 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: 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, 2018

Compressed Natural Gas Stations:

Private **CNG**

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

Government Publication Date: Dec 2012 - Jul 2018

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 2018

Certificates of Property Use:

Provincial **CPU**

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

Government Publication Date: 1994-Jul 31, 2018

Drill Hole Database:

Provincial **DRL**

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

Government Publication Date: 1886-Nov 30, 2017

Dry Cleaning Facilities:

Federal **DRYCLEANERS**

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

Government Publication Date: Jan 2004-Dec 2016

Environmental Activity and Sector Registry:

Provincial **EASR**

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

Government Publication Date: Oct 2011-Oct 31, 2018

Environmental Registry:

Provincial **EBR**

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994-Jul 31, 2018

Environmental Compliance Approval:

Provincial **ECA**

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

Government Publication Date: Oct 2011-Oct 31, 2018

Environmental Effects Monitoring:

Federal **EEM**

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private **EHS**

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Oct 31, 2018

Environmental Issues Inventory System:

Federal **EIIS**

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial **EMHE**

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

Government Publication Date: Dec 31, 2016

List of TSSA Expired Facilities:

Provincial **EXP**

List of facilities and tanks - for which there was once a registration - no longer registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed from the ground are included in the expired facilities inventory held by the TSSA. Notes: the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990, or furnace oil tanks prior to May 1, 2002; nor does the Division register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

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 2018

Fisheries & Oceans Fuel Tanks:

Federal

FOFT

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sep 2017

Fuel Storage Tank:

Provincial

FST

List of registered private and retail fuel storage tanks made available by the Fuels Safety Program of the Technical Standards & Safety Authority (TSSA). Ontario Regulation 213/01 of the Technical Standards and Safety Act (2000) requires that all underground tanks be registered with the TSSA. Notes: the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990, or furnace oil tanks prior to May 1, 2002; nor does the Division register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel storage tanks/tank facilities in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

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-June 30, 2018

Greenhouse Gas Emissions from Large Facilities:

Federal

GHG

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

Government Publication Date: 2013-Dec 2016

TSSA Historic Incidents:

Provincial

HINC

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*

TSSA Incidents:

Provincial [INC](#)

List of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC) and made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors, and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

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: Sep 30, 2017

Canadian Mine Locations:

Private [MINE](#)

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

Government Publication Date: 1998-2009*

Environmental Penalty Annual Report:

Provincial [MISA PENALTY](#)

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2017

Mineral Occurrences:

Provincial [MNR](#)

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

Government Publication Date: 1846-Jan 2018

National Analysis of Trends in Emergencies System (NATES):

Federal [NATE](#)

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

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial [NCPL](#)

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

Government Publication Date: Dec 31, 2016

National Defense & Canadian Forces Fuel Tanks:

Federal [NDFT](#)

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

NDSP

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

Government Publication Date: Mar 1999-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 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, 2018

National Energy Board Wells:

Federal

NEBW

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory:

Federal

NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal

NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

Private

OGW

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

Government Publication Date: 1988-August 31, 2018

Ontario Oil and Gas Wells:

Provincial

OGGW

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 OGSRLibrary 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-May 2018

Inventory of PCB Storage Sites:

Provincial [OPCB](#)

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Orders:

Provincial [ORD](#)

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994-Jul 31, 2018

Canadian Pulp and Paper:

Private [PAP](#)

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

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

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-Mar 2018

TSSA Pipeline Incidents:

Provincial [PINC](#)

List of pipeline incidents (strikes, leaks, spills) made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), 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 pipeline incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks:

Provincial [PRT](#)

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

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial [PTTW](#)

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

Government Publication Date: 1994-Jul 31, 2018

Ontario Regulation 347 Waste Receivers Summary:

Provincial [REC](#)

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-2016

Record of Site Condition:

Provincial **RSC**

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Sep 2018

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, 2018

Scott's Manufacturing Directory:

Private **SCT**

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial **SPL**

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

Government Publication Date: 1988-Jul 2018

Wastewater Discharger Registration Database:

Provincial **SRDS**

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

Government Publication Date: 1990-Dec 31, 2016

Anderson's Storage Tanks:

Private **TANK**

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal **TCFT**

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

Government Publication Date: 1970-Aug 2017

TSSA Variances for Abandonment of Underground Storage Tanks:

Provincial **VAR**

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

Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of tank variances in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

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-Oct 31, 2018

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial

[WDSH](#)

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial

[WWIS](#)

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Dec 31, 2017

Definitions

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

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

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

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

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

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

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

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

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

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

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

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



APPENDIX C

City Directory Records



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

PROJECT NUMBER: 20181119237	
Site Address:	Carp, Ontario
Year: 2011	
Site Listing:	-No civic address
Adjacent Properties:	
3232 Carp Road	-Ram terra entr. -Teksmmed svc -O'Connor Orville CMA -Black ink accounting
3248 Carp Road	-Irish hills golf & country

3296 Carp Road	-Res (1 tenant)
3314 Carp Road	-Address not listed
3320 Carp Road	-Carleton growers -Res (1 tenant)
1500 Thomas Argue Road	-Carp -Touch N go pilot Shop

PROJECT NUMBER: 20181119237	
Site Address:	Carp, Ontario
Year: 2006/2007	
Site Listing:	-No civic address
Adjacent Properties:	
3232 Carp Road	-Applied AL syst.
3248 Carp Road	-Irish hills golf & country
3296 Carp Road	-Res (1 tenant)

3314 Carp Road	-Address not listed
3320 Carp Road	-Carleton growers -Res (1 tenant)
1500 Thomas Argue Road	-Burdon Gary consulting

PROJECT NUMBER: 20181119237	
Site Address:	Carp, Ontario
Year: 2001/2002	
Site Listing:	-No civic address
Adjacent Properties:	
3232 Carp Road	-Applied AL syst.
3248 Carp Road	-Address not listed
3296 Carp Road	-Res (1 tenant)
3314 Carp Road	-Address not listed
3320 Carp Road	-Carleton growers

	-Res (1 tenant)
1500 Thomas Argue Road	-Address not listed

PROJECT NUMBER: 20181119237	
Site Address:	Carp, Ontario
Year: 1996/97	
Site Listing:	-No civic address
Adjacent Properties:	
3232 Carp Road	-Address not listed
3248 Carp Road	-Claude's fries
3296 Carp Road	-Res (1 tenant)
3314 Carp Road	-Address not listed
3320 Carp Road	-Carleton growers -Res (1 tenant)
1500 Thomas Argue Road	-Street not listed

PROJECT NUMBER: 20181119237	
Site Address:	Carp, Ontario
Year: 1992	
Site Listing:	-No civic address
Adjacent Properties:	
3232 Carp Road	-Address not listed
3248 Carp Road	-Address not listed
3296 Carp Road	-Res (1 tenant)
3314 Carp Road	-Address not listed
3320 Carp Road	-Carleton growers -Res (1 tenant)
1500 Thomas Argue Road	-Street not listed

PROJECT NUMBER: 20181119237	
Site Address:	Carp, Ontario

Year: 1987	
Site Listing:	-No civic address
Adjacent Properties:	
3232 Carp Road	-Street not listed
3248 Carp Road	-Street not listed
3296 Carp Road	-Street not listed
3314 Carp Road	-Street not listed
3320 Carp Road	-Street not listed
1500 Thomas Argue Road	-Street not listed

PROJECT NUMBER: 20181119237	
Site Address:	Carp, Ontario
Year: 1981/82	
Site Listing:	-No civic address

Adjacent Properties:	
3232 Carp Road	-Street not listed
3248 Carp Road	-Street not listed
3296 Carp Road	-Street not listed
3314 Carp Road	-Street not listed
3320 Carp Road	-Street not listed
1500 Thomas Argue Road	-Street not listed

PROJECT NUMBER: 20181119237	
Site Address:	Carp, Ontario
Year: 1977/78	
Site Listing:	-No civic address
Adjacent Properties:	
3232 Carp Road	-Street not listed

3248 Carp Road	-Street not listed
3296 Carp Road	-Street not listed
3314 Carp Road	-Street not listed
3320 Carp Road	-Street not listed
1500 Thomas Argue Road	-Street not listed

PROJECT NUMBER: 20181119237	
Site Address:	Carp, Ontario
Year: 1972	
Site Listing:	-No civic address
Adjacent Properties:	
3232 Carp Road	-Street not listed
3248 Carp Road	-Street not listed
3296 Carp Road	-Street not listed

3314 Carp Road	-Street not listed
3320 Carp Road	-Street not listed
1500 Thomas Argue Road	-Street not listed

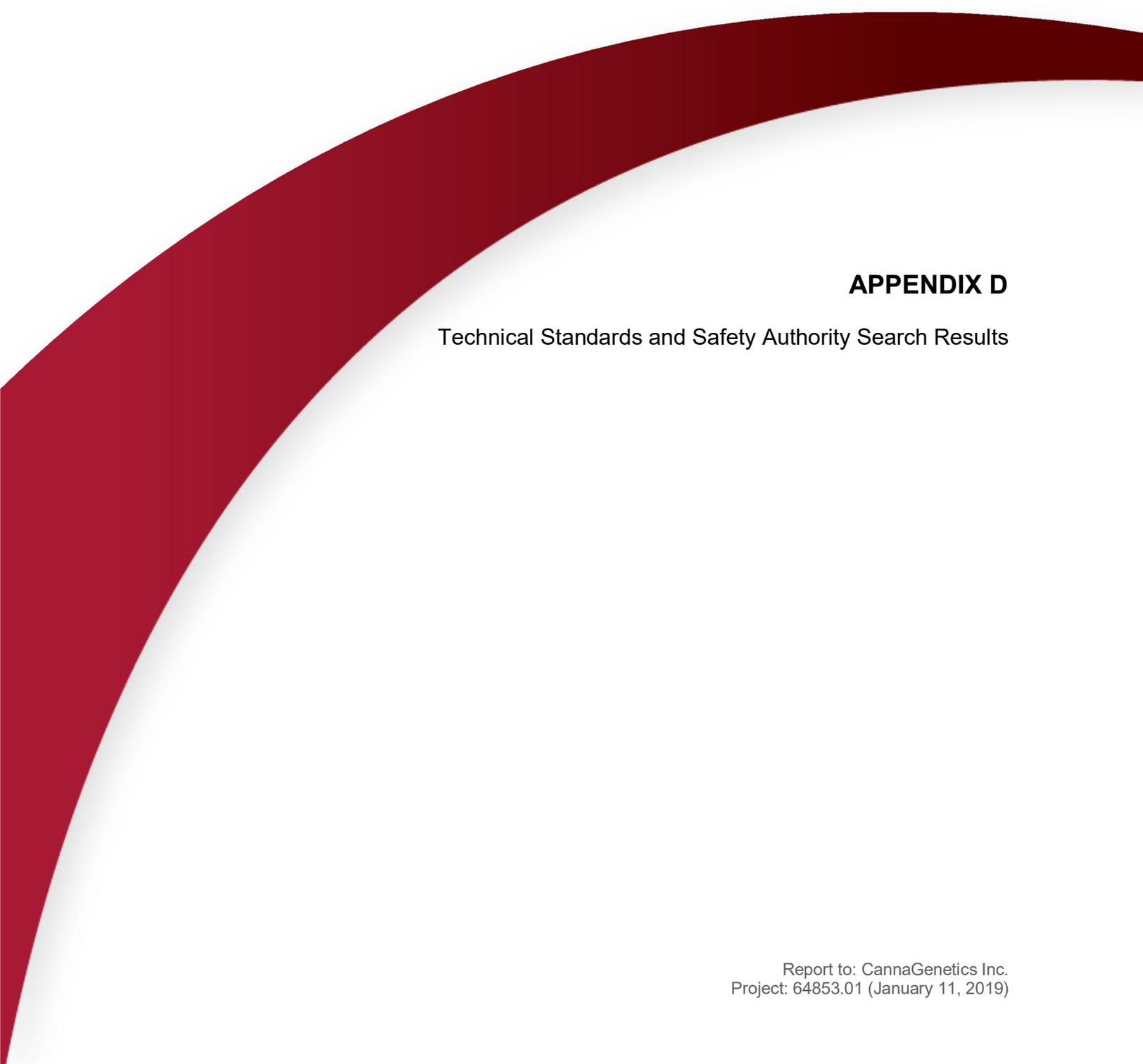
PROJECT NUMBER: 20181119237	
Site Address:	Carp, Ontario
Year: 1967	
Site Listing:	-No civic address
Adjacent Properties:	
3232 Carp Road	-Street not listed
3248 Carp Road	-Street not listed
3296 Carp Road	-Street not listed
3314 Carp Road	-Street not listed
3320 Carp Road	-Street not listed

1500 Thomas Argue Road	-Street not listed

PROJECT NUMBER: 20181119237	
Site Address:	Carp, Ontario
Year: 1962	
Site Listing:	-No civic address
Adjacent Properties:	
3232 Carp Road	-Street not listed
3248 Carp Road	-Street not listed
3296 Carp Road	-Street not listed
3314 Carp Road	-Street not listed
3320 Carp Road	-Street not listed
1500 Thomas Argue Road	-Street not listed

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

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



APPENDIX D

Technical Standards and Safety Authority Search Results



345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

19 October 2018

Nicole Soucy
GEMTEC
32 Steacie Drive
KANATA ON K2K 2A9

Subject: 1500 Thomas Arque Road, Carp
Your File No.: 64153.8
SR No.: 2399312

Dear Madam/Sir:

We are in receipt of your correspondence wherein you requested information regarding the above noted subject.

A search of our records produced the attached Fuels Safety documents.

The Technical Standards and Safety Act and associated regulations do not require the registration of private fuel outlets. Nor does it require that any documentation on these facilities be submitted to or reviewed or approved by TSSA. As a result, TSSA has limited information on these facilities. TSSA cautions that any information provided may be inaccurate, incomplete or out of date.

TSSA does not make any representations or warranties with respect to the accuracy or completeness of any records released. The requestor assumes all risk in using or relying on the information provided.

Trusting the attached satisfies your request; however, should you have any questions, please contact Public Information at publicinformationservices@tssa.org.

Yours truly,

Yalini Kanagendran

Yalini Kanagendran
Public Information Services

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Item Instances

Item Instances | Transactions | Systems

Quick Find Item Instance

Go Advanced Search

Logged In As YKANAGENDRAN

General

- Additional Attributes
- Assets
- Party Relationships
 - Owner
 - Parties
 - Accounts
 - Contacts
 - Summary
- Pricing
- Counters
- Contracts
- Notes
- Transactions
- Service Requests
- Repair Orders
- History
- Operating Units
- Configuration

Item Instance Details

Item Instance: 9367686
 Item: FS PRIVATE FUEL OUTLET - SELF SERVE
 Item Description: Fuels Safety Private Fuel Outlet - Self Serve

General Attributes

Organization Name	TSSA Item Master	Instance Name	
Last Version Label	1	Version Label Date	05-DEC-1990 0:00
Revision		New Version Label	
System		External Reference	
Item Instance Type		Accounting Classification	Customer Product
Operational Status	Not Used	Lot Number	: not lot-controlled
Status	EXPIRED	Condition	
Quantity	1	UOM	Each
Start Date	05-DEC-1990	Start Time	0:00
Shipped On Date		Shipped On Time	
End Date	11-DEC-1990	End Time	0:00
Return By Date		Return By Time	
Actual Return Date		Actual Return Time	

* Indicates required field.
 Time format is HH24:MM
 Note: You do not have permission to make updates in this page.

Creation Completed

Owner

Party Type Party
 Party Name: WESTAIR AVIATION Party Number: 406439
 Account Number: 188854 Account Name: WESTAIR AVIATION

Current Location

* Type Party Site
 Party Name WESTAIR AVIATION Party Number 406439
 *Line 1 1500 THOMAS ARC Site Number 415604
 Address 1500 THOMAS ARQUE DR
 CARP, K0A 1L0, CA

Installed At

Installed Date 05-DEC-1990

Installed Time 0:00

Time format is HH24:MM

Change in installed date does not change contract date.

Type

Order

Sales Order Number	Sales Order Date
Sales Order Line	
Purchase Order Number	Agreement Name

Item Flags

- BOM Enabled
- IB Trackable
- Inventory Trackable
- Sellable
- Shippable

Item Views

- Merchant
- Customer

Descriptive Flexfields

Context Value 
Select Context Value and click 'Go' to show relevant fields.

Facility Type 2 

Facility Type 3 

Total Capacity - Liquid Fuel Tanks (L)

Total Capacity - Propane Tank s (USWG)

* Previous Facility Type 

Previous Instance Number 



Installed Base



Navigator



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[Item Instance](#) | [Counters](#) | [Mass Update](#)
[Item Instances](#) | [Systems](#) | [Transactions](#)
[Item Instance: Item Instances](#) > [Item Instance Search](#) > [View : Item Instance : 10656373](#) >

[View : Item Instance : 10656332](#)

Item **FS LIQUID FUEL TANK** System
 Item Description **FS Liquid Fuel Tank** Owner **WESTAIR AVIATION**
 Account Number **188854**

Other Item Instance Details

[Transaction History](#)
[Item Instance History](#)
[Operating Units](#)
[Contracts](#)
[Orders](#)
[Service Requests](#)
[Orders and Directives](#)
[View Relationship Graphically](#)
[OMS Orders](#)

[General](#) | [Location](#) | [Associations](#) | [Configuration](#) | [Counters](#) | [Notes](#)

External Reference New Version Label
 Organization **TSSA Item Master** Last Version Label **1**
 Revision Creation Date **05-Dec-1990 00:00:00**
 Instance Name Status **EXPIRED**
 Quantity **1** Install Date **05-Dec-1990 00:00:00**
 UOM **Each** Expiration Date **11-Dec-1990 00:00:00**
 Item Instance Type Shipped On Date
 Item Condition Return By Date
 Accounting Classification **Customer Product** Actual Return Date
 Operational Status Code **Not Used**

 [Hide Instance Flex Fields](#)
 [Show Additional Attributes](#)

Fuel Type1 **Gasoline**
Gasoline
 Fuel Type2
 Fuel Type3
 Capacity (L) **22500**
 Tank Material **Steel**
Steel
 Tank Type **Liquid Fuel Single Wall UST**
Liquid Fuel Single Wall UST
 FS Corrosion Protection **Impressed Current**
Impressed Current
 Overfill Protection Type
 Installation Year **1976**
 ULC Standard
 Manufacturer
 Model
 Serial Number
 Description **UNDERGROUND TANK**

[Return to Instance Search](#)
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Installed Base

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Item Instance | **Counters** | **Mass Update**

Item Instances | [Systems](#) | [Transactions](#)

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View : Item Instance : 10656373

Item **FS LIQUID FUEL TANK** System
 Item Description **FS Liquid Fuel Tank** Owner **WESTAIR AVIATION**
 Account Number **188854**

Other Item Instance Details

- [Transaction History](#)
- [Item Instance History](#)
- [Operating Units](#)
- [Contracts](#)
- [Orders](#)
- [Service Requests](#)
- [Orders and Directives](#)
- [View Relationship Graphically](#)
- [OMS Orders](#)

General | **Location** | **Associations** | **Configuration** | **Counters** | **Notes**

External Reference		New Version Label	
Organization	TSSA Item Master	Last Version Label	1
Revision		Creation Date	05-Dec-1990 00:00:00
Instance Name		Status	EXPIRED
Quantity	1	Install Date	05-Dec-1990 00:00:00
UOM	Each	Expiration Date	11-Dec-1990 00:00:00
Item Instance Type		Shipped On Date	
Item Condition		Return By Date	
Accounting Classification	Customer Product	Actual Return Date	
Operational Status Code	Not Used		

[Hide Instance Flex Fields](#)

[Show Additional Attributes](#)

Fuel Type1 **Diesel**
Diesel

Fuel Type2

Fuel Type3

Capacity (L) **15000**

Tank Material **Steel**
Steel

Tank Type **Liquid Fuel Single Wall UST**
Liquid Fuel Single Wall UST

FS Corrosion Protection **Impressed Current**
Impressed Current

Overfill Protection Type

Installation Year **1984**

ULC Standard

Manufacturer

Model

Serial Number

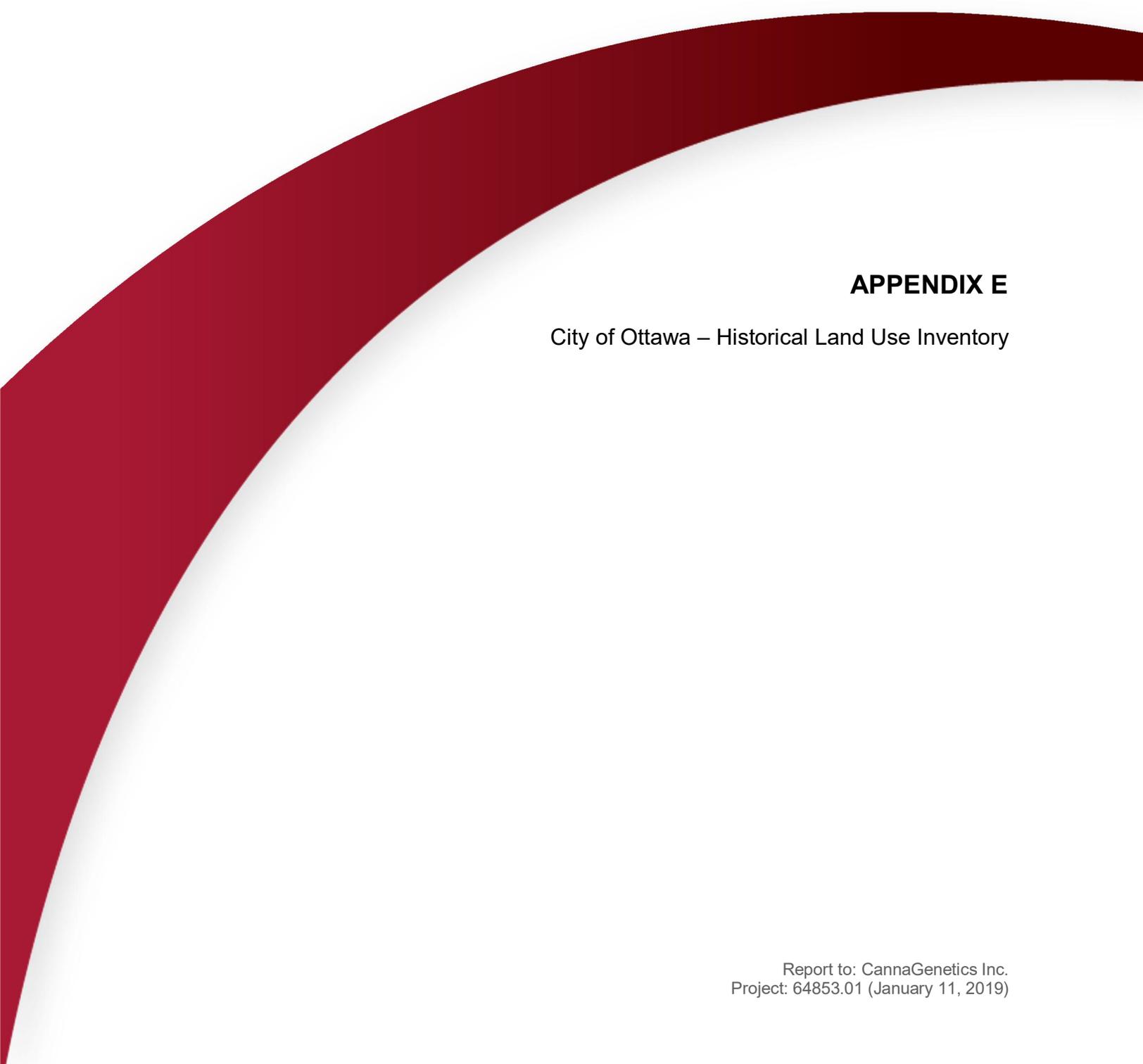
Description **UNDERGROUND TANK**

[Return to Instance Search](#)

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APPENDIX E

City of Ottawa – Historical Land Use Inventory



File Number: D06-03-18-0079

4 December 2018

Nicole Soucy
Gemtec Consultants
32 Steacie Drive
Ottawa, ON K2K 2A9

Sent via email [Nicole.Soucy@gemtec.ca]

Dear Ms. Soucy,

**Re: Information Request
1500 Thomas Argue Road, Ottawa, Ontario (“Subject Property”)**

Internal Department Circulation

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

- No information was returned on the Subject Property from Departmental circulation.

Search of Historical Land Use Inventory

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

A search of the HLUI database revealed the following information:

- There are four (4) activities associated with the Subject Property: Activity Numbers 14483, 14726, 2068, 8054.

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

- There are four (4) activities associated with properties located within 50m of the Subject Property: Activity Numbers 14483, 14726, 2068, 8054.

*Shaping our future together
Ensemble, formons notre avenir*

City of Ottawa
Planning, Infrastructure and Economic
Development Department

110 Laurier Avenue West, 4th Floor
Ottawa, ON K1P 1J1
Tel: (613) 580-2424 ext. 21690
Fax: (613) 560-6006
www.ottawa.ca

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

110, avenue Laurier Ouest, 4e étage
Ottawa (Ontario) K1P 1J1
Tél.: (613) 580-2424 ext. 21690
Télééc: (613) 560-6006
www.ottawa.ca

Please note that none of the Activity Numbers have a PIN Certainty of “2”. This identifier acknowledges that there is some uncertainty about the exact location of the land use activity and that the activity may or may not have been located on the Subject Property. All database entries with a PIN Certainty of “2” require independent verification as to their precise location.

A site map has been included to show the location of the Subject Property as well as the location of all the activities noted above, including the HLUI database’s location of the Activity Numbers with a PIN Certainty of “2”.

Additional information may be obtained by contacting:

Ontario’s Environmental Registry

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

The Ontario Land Registry Office

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

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

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

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

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

If you have any further questions or comments, please contact Craig Hamilton at 613-580-2424 ext. 21690 or HLUI@ottawa.ca

Sincerely,

A handwritten signature in black ink, appearing to read "Craig H.", written in a cursive style.

Craig Hamilton

Per:

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

MB / CH

Attach: 2

cc: File no. D06-03-18-0079



14483*, 14726*, 2068*, 8054*

*Applies to all properties shown on the map

Scale 1: n/a

1500 Thomas Argue Road
 Ottawa, ON
 File # D06-03-18-0079
 Craig Hamilton



Overview

ID# = Activity Identification Number

 = Subject Site



CITY OF OTTAWA
HLUI ID: __679ABC

Report: RPTC_OT_DEV0122
 Run On: 26 Nov 2018 at: 15:18:07

AREA (Square Metres): 3906254.433

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	045380408	Y	Y
1998	045380040	Y	N

Activity ID: 14483 **Multiple PINS:** N
PIN Certainty: 1 **Previous Activity ID(s) :**
Related PINS: 045380408
Name: WEST CAPITAL AVIATION
Address: 3257 CARP ROAD,
Facility Type: Machinery and Equipment Rental and Leasing Service
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1:
HL References 2:
HL References 3: 2005 Select Phone

NAICS	SIC
532310	0
562990	0

Company Name	Year of Operation
WEST CAPITAL AVIATION	c. 2005



CITY OF OTTAWA

HLUI ID: __679ABC

AREA (Square Metres): 3906254.433

Report: RPTC_OT_DEV0122

Run On: 26 Nov 2018 at: 15:18:07

Study Year

2005
1998

PIN

045380408
045380040

Multi-NAIC

Y
Y

Multiple Activities

Y
N

Activity ID: 14726 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 045380408

Name: WESTAIR AVIATION

Address: 1500 THOMAS ARGUE ROAD, CARP

Facility Type: Air Transport Industries

Comments 1: P.O. Box 358, WEST CARLETON MUNICIPAL AIRPORT

Comments 2:

Generator Number: ON5553841

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2003 PID

NAICS SIC

562990 0
532310 0
481110 0

Company Name

WESTAIR AVIATION
WESTAIR AVIATION
WESTAIR AVIATION

Year of Operation

c. 2005
c. 2003
c. 2001



CITY OF OTTAWA

HLUI ID: __679ABC

AREA (Square Metres): 3906254.433

Report: RPTC_OT_DEV0122

Run On: 26 Nov 2018 at: 15:18:07

Study Year

2005
1998

PIN

045380408
045380040

Multi-NAIC

Y
Y

Multiple Activities

Y
N

Company Name

Year of Operation

HELICOPTER TRANSPORT SERVICES (CAN) INC.

c. 2005

HELICOPTER TRANSPORT SERVICES CANADA

c. 2001

Bradley Air Services

c. 1994

BRADLEY AIR SERVICES LIMITED

c. 2000

Carp Airport

c. 1943-1999

BRADLEY AIR SERVICES LIMITED

c. 2003

FIRST AIR

c. 2001

FIRST AIR

c. 2005

HELICOPTER TRANSPORT SERVICES (CAN) INC.

c. 2003

CARP AIRPORT AUTHORITY

c. 2005



APPENDIX F

Well Records

Well Records

Well ID	Date of Completion (MM/DD/YYYY)	Static Water Level (metres below ground surface)	Bedrock depth (metres below ground surface)	Well Depth (metres below ground surface)	Overburden Stratigraphy
1503071	09/30/1967	-	41.2	61	Clay and medium sand
1503129	06/14/1958	8.5	46.3	57	-
1510130	06/27/1969	9.7	39.9	61	Sand and clay
1514573	02/13/1975	5.5	38.5	53.3	Sand and clay
1516828	11-01-78	12.2	10.7	44.2	Clay and hardpan
1520137	09-05-85	1.8	-	7.6	Clay, sand, and boulders
1535239	09/21/2004	-	34.7	39.3	Clay
1535240	09/20/2004	-	38.7	43.9	Clay
1536752	07-10-06	-	-	3.7	Sand, and silty sand
7120701	07/28/2008	-	-	5.1	-
7120701	07/28/2008	-	-	3.8	-
7120701	07/28/2008	-	-	3.7	-
7120701	07/28/2008	-	-	3.7	-
7120701	07/28/2008	-	-	3.8	-
7127228	06/17/2009	-	-	4	-
7127228	06/17/2009	-	-	4	-
7127228	06-07-09	-	-	4	-
7127229	06/16/2009	-	-	3.6	Sand, gravel and, silt
7127229	06/16/2009	-	-	3.6	Sand, gravel and, silt
7127229	06/15/2009	-	-	3.6	Sand, gravel and, silt
7127229	06/16/2009	-	-	3.6	Sand, gravel and, silt
7127229	06/15/2009	-	-	3.6	Sand, gravel and, silt
7127229	06/15/2009	-	-	3.6	Sand, gravel and, silt
7127229	06/16/2009	-	-	3.6	Sand, gravel and, silt
7127229	06/15/2009	-	-	3.6	Sand, gravel and, silt
7127229	06/15/2009	-	-	3.6	Sand, gravel and, silt
7279014	10-08-13	-	-	-	-
7279016	11-08-13	-	-	-	-
7279017	11-08-13	-	-	-	-
7290426	05/25/2017	-	-	-	-
7290427	05/25/2017	-	-	-	-
7290463	05/25/2017	-	-	33	-



APPENDIX G

Aerial Photographs



GEMTEC

CONSULTING ENGINEERS
AND SCIENTISTS

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

1945 AERIAL PHOTOGRAPH

Project

PHASE ONE ESA
1500 THOMAS ARGUE ROAD
OTTAWA, ONTARIO

Project No.

64853.01

FIGURE G1



GEMTEC

CONSULTING ENGINEERS
AND SCIENTISTS

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

1960 AERIAL PHOTOGRAPH

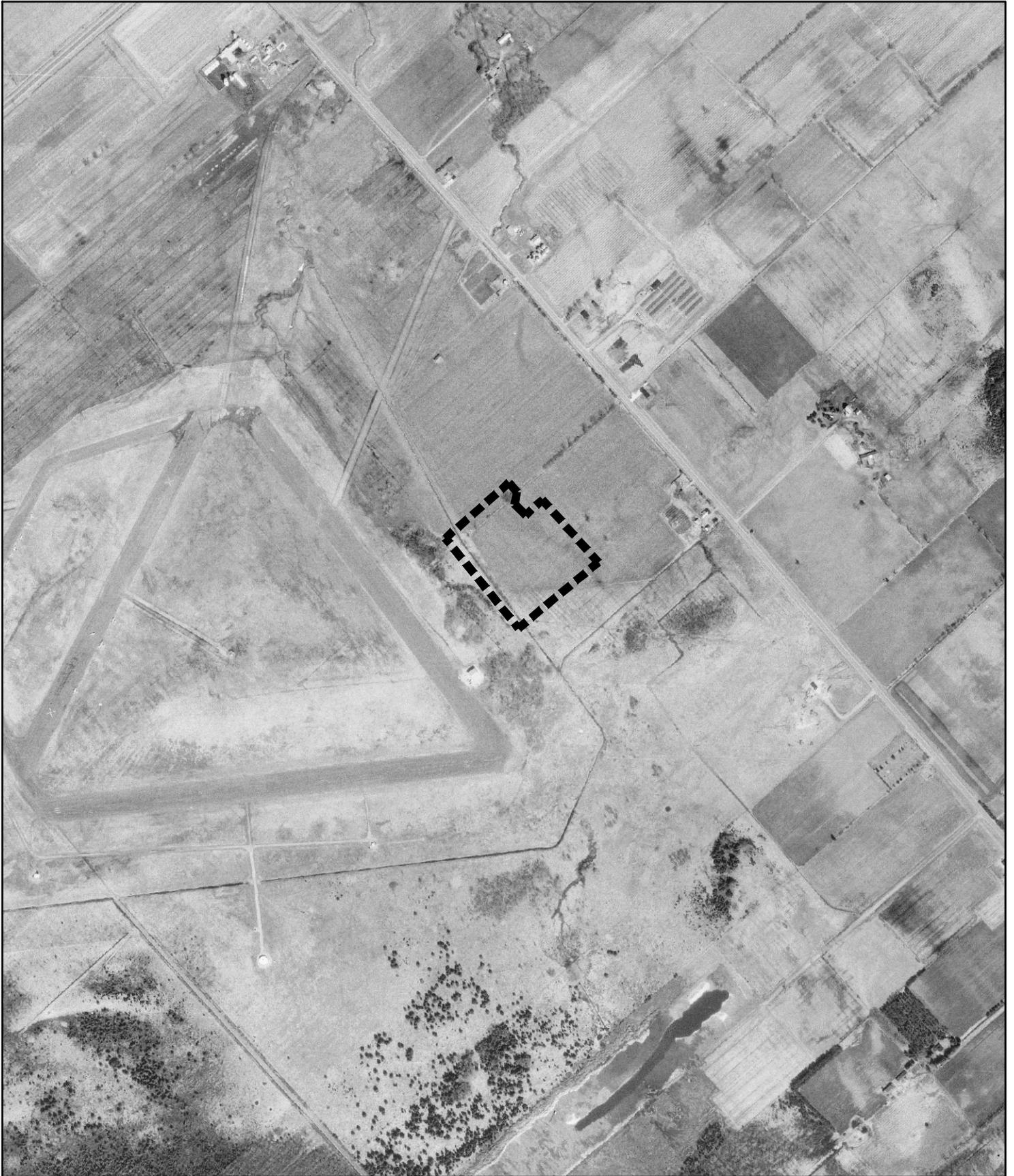
Project

PHASE ONE ESA
1500 THOMAS ARGUE ROAD
OTTAWA, ONTARIO

Project No.

64853.01

FIGURE G2



GEMTEC

CONSULTING ENGINEERS
AND SCIENTISTS

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

1973 AERIAL PHOTOGRAPH

Project

PHASE ONE ESA
1500 THOMAS ARGUE ROAD
OTTAWA, ONTARIO

Project No.

64853.01

FIGURE G3



APPENDIX H

Site Photographs



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

Project

PHASE ONE ESA
1500 THOMAS ARGUE RD.
OTTAWA, ONTARIO

FIGURE H1

File No.

64853.01

TWO (2) OF THE DITCHES IDENTIFIED ON THE
SUBJECT SITE AND IN THE STUDY AREA



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

A POLE MOUNTED TRANSFORMER
IDENTIFIED WITHIN THE STUDY AREA

Project PHASE ONE ESA
1500 THOMAS ARGUE RD., OTTAWA, ON.

Project No.
64853.01

FIGURE H2



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

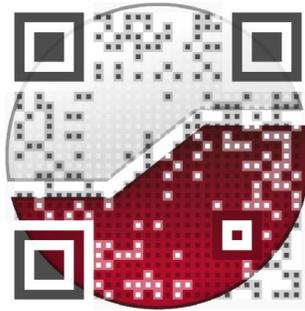
THE CARP AIRPORT HELICOPTER SERVICES IDENTIFIED
 SOUTHWEST OF THE SUBJECT PROPERTY

Project PHASE ONE ESA
 1500 THOMAS ARGUE RD., OTTAWA, ON.

Project No.
 64853.01

FIGURE H3

experience • knowledge • integrity



civil	civil
geotechnical	géotechnique
environmental	environnementale
field services	surveillance de chantier
materials testing	service de laboratoire des matériaux

expérience • connaissance • intégrité

