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Phase One Environmental Site Assessment
1055 Klondike Road
Ottawa, Ontario

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Submitted to:

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Phase One Environmental Site Assessment
1055 Klondike Road
Ottawa, Ontario

October 2, 2018
Project: 64153.85

experience • knowledge • integrity

GEMTEC Consulting Engineers and Scientists Limited
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October 2, 2018 File: 64153.85 – R02

Brian Saumure
C/O Brian Saumure, Maple Leaf Homes
240 Michael Cowpland Drive, Suite 200
Ottawa, Ontario
K2M 1P6

Attention: Mr. Brian Saumure

Re: Phase One Environmental Site Assessment
1055 Klondike, Ottawa, Ontario

Enclosed is our Phase One ESA report for the above noted project based on the scope of work presented in our proposal. This report was prepared by Katherine Rispoli, M.A.Sc., P.Eng. with senior review performed by Shaun Pelkey, M.Sc.E., P.Eng.

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

Shaun Pelkey, M.Sc.E., P.Eng.

Enclosures
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EXECUTIVE SUMMARY

GEMTEC Consulting Engineers and Scientists Limited (GEMTEC) was retained to carry out a Phase One Environmental Site Assessment (ESA) for property located at 1055 Klondike Road 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.

APEC 1: Former Aboveground Fuel Storage Tank

Evidence from one (1) aboveground fuel storage tank (AST) was observed during the site reconnaissance. The vent and fill pipes were observed along the eastern wall of the existing structure. The AST was identified in the basement with an approximate capacity of 900 litres and installed in 2003. The tank was likely used for heating oil storage. Due to the nature of the products stored, the contaminants of concern for soil and groundwater are petroleum hydrocarbons (PHCs), benzene, toluene, ethylbenzene and xylene (BTEX).

APEC 2: Potential Impacts from Offsite Dry cleaning facility

An offsite dry cleaning facility was identified during the site reconnaissance in the study area. Based on the proximity to the subject site, potential environmental concern to the subject site relating to the historic dry cleaning activities may be present along the northwest property boundary of the subject property. Due to the nature of the products stored, the contaminants of concern for soil and groundwater are volatile organic compounds (VOCs).

APEC 3: Debris and fill of unknown origin during the fire

On June 10, 2018, a fire occurred on the subject site following the initial Phase I ESA site visit. The fire significantly damaged the structures on the subject site, and they were demolished following the fire. Based on a visual site inspection, the area within the historic building footprint was filled in. It is our understanding that the AST was removed prior to fire. Due to the fill material and debris within the building footprint and to confirm no fuel was leaked prior to or during the fire, the contaminants of concern for soil and groundwater are PHCs, BTEX, and for soil only are metals and Polycyclic Aromatic Hydrocarbons (PAHs).

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 APECs on the subject property. Furthermore if excess fill material is excavated during development, environmental screening should be conducted to assess disposal options.

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1.0 INTRODUCTION

GEMTEC Consulting Engineers and Scientists Limited (GEMTEC) was retained by Brian Saumure to carry out a Phase One Environmental Site Assessment (ESA) for the property located at 1055 Klondike Road in Ottawa, Ontario (hereafter referred to as "the subject property"). The legal description for 1055 Klondike Road is Part of Lot 11, Concession 4, being Part 3 on Plan 5R-3477, City of Ottawa; PIN 04527-0091. The location of the subject property is illustrated on the Key Plan, Figure 1.

The subject property is presently owned by the Village at the Schoolyard Inc. The contact person for the subject property is Mr. Brian Saumure, at 613.913.9330.

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 approximately 11 acres and is located at 1055 Klondike Road in Ottawa, Ontario. The subject property was first used for residential use prior to 1968 for agricultural purposes. Structures are first visible on the subject property in an aerial photograph from 1965.

Historical land use in the study area was predominantly agricultural with commercial developments concentrated to the south along March Avenue starting in 2009. Based on this information, a Phase One ESA study area of 250 metres surrounding the subject property is deemed sufficient for the purpose of this Phase One ESA. The location of the subject property and the extent of the Phase One ESA study area are provided on the Study Area Plan, Figure 2.

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

3.1.2 First Developed Use Determination

Based on a review of the historical information, the subject property was first developed sometime prior to 1965. Aerial photographs indicate the presence of structures and the storage of materials on the subject property starting in the 1965 aerial photograph.

3.1.3 Fire Insurance Plans

Based on our knowledge of the study area and property use, fire insurance plans were not requested for the subject property.

3.1.4 Chain of Title

A chain of title search for the subject property was requested from Wentzell Titles of Kemptville, Ontario and is included in Appendix A. The legal description for 1055 Klondike Road is Part of Lot 11, Concession 4, being Part 3 on Plan 5R-3477, City of Ottawa; PIN 04527-0091. The highlights of the chain of title search are described below:

- The subject property was first purchased from the Crown by Joseph Maxwell in 1824;
- The property has been owned by different private owners until the land was acquired by the Village at the Schoolyard Inc. in 2017.

3.1.5 Previous Relevant Reports

3.1.5.1 Previous Preliminary Geotechnical Investigation by GEMTEC (April 2017)

GEMTEC Consulting Engineers and Scientists Limited (GEMTEC), formerly Houle Chevrier Engineering Ltd., previously conducted a preliminary geotechnical investigation and slope stability assessment at this site. The report titled: “Preliminary Geotechnical Investigation, Proposed Residential Subdivision, 1055 Klondike Road, Ottawa, Ontario”, dated April 13, 2017 was reviewed for evidence of potentially contaminating activities.

At the time four (4) boreholes numbered 17-1 to 17-4 were put down using a track mounted, hollow stem auger geotechnical drill rig. The general subsurface conditions were described as topsoil, over sand and silty clay.

3.1.5.2 Geotechnical Investigation by GEMTEC (April 2018)

A previous geotechnical investigation was completed by GEMTEC in 2018 for the subject property. The report entitled “Geotechnical Investigation, Proposed Residential Subdivision, 1055 Klondike Road, Ottawa, Ontario” and dated April 4, 2018 was reviewed for evidence of potentially contaminating activities.

Five (5) boreholes were advanced on the subject property, with three (3) standpipe piezometers. The fill material was encountered on the granular driveway at two (2) borehole locations. The fill material extends from a depth of about 0.9 to 3.3 metres below ground surface. It consisted of a dark brown to brown silty sand with organic material and grey brown silty clay with pockets of dark brown organic material. One (1) borehole was terminated at 7.7 metres below ground surface, due to auger refusal on possible bedrock. The groundwater levels measured from the standpipe piezometers ranged from 2.0 to 6.3 metres below ground surface.

3.1.5.3 Fire crews battle blaze at abandoned home on Klondike Road in Kanata by Global News (June 2018)

A Global News story identified that the Ottawa fire services were called to the subject property on June 10, 2018 due to reports of heavy black smoke and flames from an abandoned house. The fire was identified upon arrival and firefighters working on the site conducted a defensive attack on the fire due to the questionable stability of the structure. Upon extinguishment of the fire, the roof and rear addition of the structure had collapsed.

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:

LOCATION	NAME/ OWNER	DISTANCE FROM THE SUBJECT PROPERTY (METRES)	DATABASE	DESCRIPTION
121 Streamside Crescent		100 metres east	TSSA Historic Incidents	Pipeline strike (natural gas) in 2008.
1111 Klondike Road	J Tierney Jims Gas Bar	110 metres southwest	List of TSSA Expired Facilities	Gas bar listed as expired as of 2009
1111 Klondike Road	J Tierney Jims Gas Bar	110 metres southwest	Private and Retail Fuel Storage Tanks	Retail fuel tanks listed in 1990
832 March Road	Kanata North Medical Centre / Pharmx Rexall Drug Stores Ltd.	Adjacent (west)	Ontario Regulation 347 Waste Generators Summary	Listed as a waste generator for pathological wastes and pharmaceuticals from 2011 to 2017
1092 Klondike Road and 788 March Road	Imperial Oil Limited	75 metres south	Record of Site Condition	RSC filed for 1092 Klondike Road and 788 March Road
865 March Road	Private Owner		Ontario Spills	Furnace oil to ground from fill pipe at private residence in 1992. Soil contamination listed as possible
1102 Klondike Road	2325225 Ontario Inc	145 metres southwest	Ontario Regulation 347 Waste Generators Summary	Listed as a waste generator for pathological and pharmaceutical in 2015 to 2017
1102 Klondike Road	G.G. Pharmacy Inc.	145 metres southwest	Pesticide Register	Listed as an active limited vendor of pesticides
Klondike Road	City of Kanata	Unknown	List of TSSA Expired Facilities	Expired liquid fuel tank in 1990 (private self serve fuel outlet)
1335 Carling Avenue (Lot	E.B. Eddy Forest Products Ltd.		Ontario Regulation 347	Listed as a waste generator of waste oils and lubricants from

LOCATION	NAME/ OWNER	DISTANCE FROM THE SUBJECT PROPERTY (METRES)	DATABASE	DESCRIPTION
10, Conc. 3, Camp 12 F.Op site Ivy township)			Waste Generators Summary	1990 to 1996
Part of lot 11, concession 3	The Corporation of the Township of Rideau		Landfill inventory management Ontario	Closed in 1971
West Carleton Sand & Gravel Inc.	Lot 11-14, Conc 4		Non-Compliance Reports	Listed in 2006 for industrial sewage
City of Kanata	Klondike Road		Private and Retail Fuel Storage Tanks	Private retail fuel outlet

3.2.2 City Directories

A review of the city directories from 1964 to 2011 was completed for the subject property (1055 Klondike Road), and several adjacent properties including:

- 788, 806, 812, 830, 886, March Road;
- 1032, 1045, 1056, 1078, 1100 Klondike Road.

A copy of the City Directory records is provided in Appendix C. All records were reviewed and the relevant highlights are provided in the following table:

	2011	2005 to 2006	1992 to 1996
Subject Property (1055 Klondike)	• Single Tenant Residential	• Single Tenant Residential	• Single Tenant Residential
Adjacent Properties:			
1032 Klondike Road	• Ruiter Construction Ltd • Ottawa-	• Address Not Listed	

	2011	2005 to 2006	1992 to 1996
	• Carleton District School Board		
	• Childrens Village of Ottawa Carleton		
1045 Klondike Road	• Single Tenant Residential	• Single Tenant Residential	
1056 Klondike Road	• Morgan's Grant Montessori	• Single Tenant Residential	
	• The Greenwoods Academy		
1078 Klondike Road	• Kanata Fellowship Baptist Church	• Kanata Fellowship Baptist Church	
1100 Klondike Road	• Address Not Listed		
788 March Road	• Address Not Listed		
806 March Road	• Address Not Listed		• March House Restaurant
812 March Road	• Address Not Listed		
830 March Road	• Address Not Listed		
886 March Road	• Single Tenant Residential	• Single Tenant Residential	• Single Tenant Residential

3.2.3 Technical Standards and Safety Authority

The Technical Standards and Safety Authority (TSSA) was contacted on January 9, 2018, to request available records for the following addresses, located in Ottawa, Ontario:

- 788, 806, 812, 830, 886, March Road;
- 1032, 1045, 1055, 1056, 1078, 1100 Klondike Road.

The response from the TSSA indicated that they have no available records for the above-noted properties.

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

3.2.4 City of Ottawa – Freedom of Information Request

The City of Ottawa was contacted on March 9, 2018, to provide information from the Planning, Transit and the Environment Departments and from the Historical Land Use Inventory (HLUI). A response from the City of Ottawa has not been received at the time this report was written. Upon receipt of the report, the information will be reviewed and if any conclusions to this report are altered, Brian Saumure, Maple Leaf Homes will be notified.

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.

3.3 Physical Setting Sources

3.3.1 Aerial Photographs

Available aerial photographs from GeoOttawa were reviewed. The aerial photographs reviewed include the following years: 1934, 1956, 1965, 1976, 1991, 1999, 2002, 2005, 2007, 2008, 2009, 2011, 2014, 2015, and 2017. Photos from the national air photo library were ordered for 1934 (A4698-36) and 1952 (A13380-53) and can be found in Appendix E.

Based on the review of selected historical aerial photographs, the subject property was developed sometime prior to 1934, with agricultural land use and structures on the subject property. Klondike Road and March Road are both visible at this time. In addition, Shirley's Brook is visible on the western portion of the property, along a treeline. Structures on the northwest portion of the site appear visible in the 1934 aerial photograph and have been removed by 1976. During this period, a structure is visible to the south of the subject property.

Additional development has occurred to the east between 1976 and 1991. Residential subdivision development is visible in the study area between 2005 and 2008. Construction for the commercial development west of the subject property occurs between 2008 and 2011, where commercial structures are now visible.

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, with a slope towards Shirleys Brook along the west property line. The property has an elevation of approximately 70 metres metres above sea level. Surrounding topography generally slopes gradually downwards towards the Shirleys Brook, which is located to the west of the subject property. The overall topography generally slopes downwards to the Ottawa River, located about 2.5 kilometers east.

Surficial and bedrock geology maps of the Ottawa area indicate that the overburden in the vicinity of the subject property generally consists of clay and silt and sand and gravel with a thickness ranging from 5 to 10 metres. The bedrock is mapped as Paleozoic sandstone and dolostone of the March Formation.

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

3.3.3 Fill Materials

In a geotechnical investigation by GEMTEC, five (5) boreholes were advanced on the subject property. The fill material was encountered at two (2) borehole locations along the existing granular driveway. The fill material extends from a depth of about 0.9 to 3.3 metres below ground surface. It consisted of a dark brown to brown silty sand with organic material and grey brown silty clay with pockets of dark brown organic material.

No fill materials were observed on the subject property during the site reconnaissance, aside from the granular driveway. It is noted that the subject property had snow cover at the time of the site reconnaissance.

3.3.4 Water Bodies and Areas of Natural Significance

No provincially significant wetlands (PSWs) or areas of natural and scientific interest (ANSIs) were identified on the subject property or within the study area. Shirleys Brook is located on the subject property, along the western property line.

3.3.5 Well Records

Well records available through the Ministry of Environment and Climate Change (MOECC) for a 300-metre radius from the centre of the subject property were reviewed as part of the Phase One ESA. Twenty-eight (28) 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 static water level was about 3.8 metres below ground surface.

The MOECC well records indicate that the stratigraphy of the overburden in the area generally consists of a 6.2 metre layer of sand over clay or silt. Bedrock was encountered in fourteen (14) of the wells.

4.0 SITE RECONNAISSANCE

4.1 General Requirements

A site reconnaissance was carried out on March 6, 2018 from 7 to 8 am. The weather at the time of the site reconnaissance was clear with a temperature of approximately -1 degrees Celsius. It is noted that the groundcover was snow and ice at the time of the site visit.

The primary assessor for this Phase One Environmental Site Assessment is Ms. Katherine Rispoli, M.A.Sc., P.Eng. She possesses a formal education, which includes a Bachelor of Engineering with a major in Bioresource Engineering, specializing in Environmental Engineering and a Master of Applied Science in Civil 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. Rispoli has successfully completed Workplace Hazardous Materials Information System (WHMIS) training.

The Phase One ESA was carried out under the supervision of Mr. Shaun Pelkey, M.Sc.E., P.Eng., a registered 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. Mr. Pelkey is a registered Qualified Person to conduct environmental site assessments and file Record of Site Condition applications.

4.1.1 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 F. A discussion of the photographs is provided in the following table:

Plate Number	Compass Orientation	Description
F1	West	Overview of the east façade of existing on-site structure
F2	North	Overview of the interior of the main structure
F3	Southwest	Overview of the room containing the existing above-ground storage tank

4.2 Specific Observations at Phase One Property

4.2.1 Onsite Structures

A total of two (2) structures were observed on the subject property. The following is a brief description of each

- Main Structure, Residential use (vacant): A 2-storey brick house with basement was identified during the site visit;
- Accessory building, storage use: a 1 storey, partially enclosed structure was identified during the site visit.

A fire was reported on June 10, 2018. A subsequent site inspection was carried out by GEMTEC staff following the fire. The main structures on site were no longer present and the former building footprint was filled in. Debris was noted in the fill material.

4.2.2 Observations

The following observations were made during the site reconnaissance:

- An above ground storage tank (AST) were observed in the basement of the existing building;
- The AST had evidence of corrosion on the exterior of the tank. The tag on the tank indicated that it was installed in 2003 and had a capacity of 900 litres;
- Due to snow cover, the exterior surface could not be inspected.

4.2.3 Site Services

The site has access to hydro, water, natural gas, and sanitary and storm sewer.

4.3 Specific Observations within the Study Area

4.3.1 Services

Buildings in the study area are fully serviced with hydro, water, natural gas, and sanitary and storm sewers. Sewers were observed in the streets adjacent to the subject property. Residential homes are connected to overhead hydro, and had natural gas hookups on the exterior of their homes.

4.3.2 Water Bodies and Areas of Natural Significance

Shirleys Brook was identified on the subject property, along the west property line. No areas of natural significance were observed in the study area.

4.3.3 Surrounding Properties

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

- Residential homes are located in the vicinity of the subject property to the north, south, and east;

- Commercial businesses are concentrated along March Road to the west of the subject property, with some community and institutional uses Klondike Road.

4.4 Enhanced Investigation Property

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

4.5 Written Description of Investigation

The site reconnaissance was carried out on March 6, 2018, by Ms. Katherine Rispoli, M.A.Sc., P.Eng., 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 during the site reconnaissance:

- Former above ground fuel storage tank in basement of the structure.

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

- Dry Cleaners located at 846 March Road.

Following the site visit, on June 10, 2018 a fire occurred and both of the structures on the subject property were severely damaged and demolished. It is our understanding that the fuel tanks were removed prior to the fire. A subsequent site inspection was conducted by GEMTEC staff. The buildings had been demolished and former building footprint was filled in to grade. Debris was noted within the former building footprint.

5.0 REVIEW AND EVALUATION OF INFORMATION

5.1 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
1824 to 1934	Joseph Maxwell and others	Unknown (Likely Agricultural, possibly residential)	No aerial photographs prior to 1934 were available for review.
1934 to 2017	The Armstrong family and others	Residential and agricultural	Aerial photographs indicate that there was a 2 and half storey structure on the subject property.
2017 to present	Village at the Schoolyard	Residential and agricultural (vacant)	According to the Chain of Title and site visit, the property was first purchased by a corporation in 2017 and is currently vacant.

5.2 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:

Location	Distance from the subject property (metres)	Description	PCA	Likelihood of creating an APEC
On the subject property	-	An above-ground storage tank was identified during the site visit conducted by GEMTEC personnel. Corrosion on the surface of the tank was observed	Fuel storage	High
On the subject property	-	The previous geotechnical investigations identified fill of unknown origin on the subject property	Fill of Unknown Origin	Low to Medium
On the subject property	-	A fire occurred on June 10, 2018 causing significant damage to structures on site. The structures were demolished and former footprints were filled in to reach grade. It is understood that the fuel storage tank	Building debris and fill material of unknown origin	Medium to High

Location	Distance from the subject property (metres)	Description	PCA	Likelihood of creating an APEC
		were removed from site prior to the fire.		
846 March Road	115 metres west	A dry cleaner was identified during the site visit within the study area. From aerial photographs, the commercial land use to the west of the subject property was developed in 2011.	Dry cleaning activities	Low to Medium - based on activity (dry cleaning)
1111 Klondike Road	110 metres southwest	Gas bar listed from 1990 and listed as expired as of 2009	Fuel storage	Low - based on distance to subject site
832 March Road	Adjacent (west)	Listed as a waste generator for pathological wastes and pharmaceuticals from 2011 to 2017	Waste generator	Low - based on activity (Pharmacy)
1092 Klondike Road and 788 March Road	75 metres south	RSC filed for 1092 Klondike Road and 788 March Road	Property owned by fuel retailer	Low - based on RSC filing record
1102 Klondike Road	145 metres southwest	Listed as a waste generator for pathological and pharmaceutical in 2015 to 2017	Waste generator	Low - based on activity (Pharmacy)
1102 Klondike Road	145 metres southwest	Listed as an active limited vendor of pesticides	Pesticide generator	Low - based on activity (Pharmacy)
Klondike Road	Unknown	Expired liquid fuel tank in 1990 (private self serve fuel outlet)	Fuel storage	Low to Medium - based on activity and uncertainty regarding location

5.3 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	Near aboveground fuel storage tank	Fuel storage	On site	• PHCs[1] • BTEX[2]	Soil Groundwater
APEC 2	Near west property boundary	Dry Cleaning	Offsite property to the west	• VOCs[3]	Soil Groundwater
APEC 3	Near the location of the demolished structures on the subject site	Building debris and fill material of unknown origin	On site	• PHC • BTEX • PAH[4] • Metals	Soil Groundwater

1 PHCs – Petroleum hydrocarbons
2 BTEX – Benzene, toluene, ethylbenzene and xylene
3 VOCs – Volatile organic compounds
4 PAHs – Polycyclic Aromatic Hydrocarbons

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 areas of potential environmental concern and the contaminants of potential concern are provided in the following sections:

5.3.1 APEC 1: Aboveground Fuel Storage Tank

One (1) aboveground fuel storage tank (AST) was observed during the site reconnaissance. The vent and fill pipes were observed along the eastern wall of the existing structure. The AST was identified in the basement with an approximate capacity of 900 litres and installed in 2003. The tank was likely used for heating oil storage. Due to the nature of the products stored, the contaminants of concern for soil and groundwater are petroleum hydrocarbons (PHCs), benzene, toluene, ethylbenzene and xylene (BTEX).

5.3.2 APEC 2: Potential Impacts from Offsite Dry cleaning facility

An offsite dry cleaning facility was identified during the site reconnaissance in the study area. Based on the proximity to the subject site, potential environmental concern to the subject site relating to the historic dry cleaning activities may be present along the northwest property boundary of the subject property. Due to the nature of the products stored, the contaminants of concern for soil and groundwater are volatile organic compounds (VOCs).

5.3.3 APEC 3: Debris and fill of unknown origin during the fire

On June 10, 2018, a fire occurred on the subject site following the initial Phase I ESA site visit. The fire significantly damaged the structures on the subject site, and they were demolished following the fire. Based on a visual site inspection, the area within the historic building footprint was filled in. It is our understanding that the AST was removed prior to fire. Due to the fill material and debris within the building footprint and to confirm no fuel was leaked prior to or during the fire, the contaminants of concern for soil and groundwater are PHCs, BTEX, and for soil only are metals and Polycyclic Aromatic Hydrocarbons (PAHs).

5.3.4 Discussion of Uncertainty

There is uncertainty associated with the contents of the former buildings on the subject property and the origin of the fill material below the granular driveway. Based on the results of the geotechnical investigation, debris or other deleterious material was not identified in the fill material.

It is also noted that the AST had significant amount of corrosion on the tank walls. It is uncertain if the tank has been empty or if any incidents have occurred during tank operation. In addition, due to snow cover and extensive deck structures, the ground surface could not be fully inspected at the time of the site reconnaissance.

5.4 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

Conceptual Model Detail	Figure
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.

5.4.1 APEC 1: Aboveground Fuel Storage Tank

One (1) aboveground fuel storage tank (AST) was observed during the site reconnaissance. The vent and fill pipes were observed along the eastern wall of the existing structure. The AST was identified in the basement with an approximate capacity of 900 litres and installed in 2003. The tank was likely used for heating oil storage. Due to the nature of the products stored, the contaminants of concern for soil and groundwater are petroleum hydrocarbons (PHCs), benzene, toluene, ethylbenzene and xylene (BTEX).

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On June 10, 2018, a fire occurred on the subject site following the initial Phase I ESA site visit. The fire significantly damaged the structures on the subject site, and they were demolished following the fire. Based on a visual site inspection, the area within the historic building footprint was filled in. It is our understanding that the AST was removed prior to fire. Due to the fill material and debris within the building footprint and to confirm no fuel was leaked prior to or during the fire, the contaminants of concern for soil and groundwater are PHCs, BTEX, and for soil only are metals and Polycyclic Aromatic Hydrocarbons (PAHs).

5.4.4 Underground Utilities

There is potential for underground utilities to affect contaminant transport on or to the subject property, if contaminants are present. The subject property has access to natural gas, hydro, water, and municipal sewer services. A sump was also observed in the basement, which discharges to an unknown location. It is noted that the sump was dry at the time of the site visit.

5.4.5 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 clay and silt and sand and gravel with a thickness ranging from 5 to 10 metres. The bedrock is mapped as Paleozoic sandstone and dolostone of the March Formation.

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

5.4.6 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.

6.0 CONCLUSIONS AND RECOMMENDATIONS

GEMTEC Consulting Engineers and Scientists Limited (GEMTEC) was retained to carry out a Phase One Environmental Site Assessment (ESA) for the subject property located at 1055 Klondike Road in Ottawa, Ontario.

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

APEC 1: Aboveground Fuel Storage Tank

One (1) aboveground fuel storage tank (AST) was observed during the site reconnaissance. The vent and fill pipes were observed along the eastern wall of the existing structure. The AST was identified in the basement with an approximate capacity of 900 litres and installed in 2003. The tank was likely used for heating oil storage. Due to the nature of the products stored, the contaminants of concern for soil and groundwater are petroleum hydrocarbons (PHCs), benzene, toluene, ethylbenzene and xylene (BTEX).

APEC 2: Potential Impacts from Offsite Dry cleaning facility

An offsite dry cleaning facility was identified during the site reconnaissance in the study area. Based on the proximity to the subject site, potential environmental concern to the subject site relating to the historic dry cleaning activities may be present along the northwest property boundary of the subject property. Due to the nature of the products stored, the contaminants of concern for soil and groundwater are volatile organic compounds (VOCs).

APEC 3: Debris and fill of unknown origin during the fire

On June 10, 2018, a fire occurred on the subject site following the initial Phase I ESA site visit. The fire significantly damaged the structures on the subject site, and they were demolished following the fire. Based on a visual site inspection, the area within the historic building footprint was filled in. It is our understanding that the AST was removed prior to fire. Due to the fill material and debris within the building footprint and to confirm no fuel was leaked prior to or during the fire, the contaminants of concern for soil and groundwater are PHCs, BTEX, and for soil only are metals and Polycyclic Aromatic Hydrocarbons (PAHs).

6.1 Recommendations

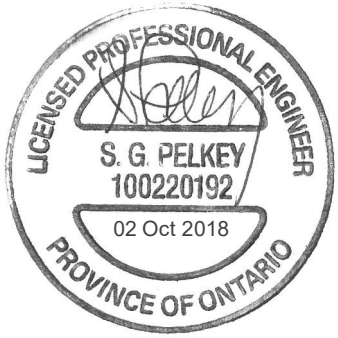
Based on this information, it is our opinion that a Phase Two Environmental Site Assessment is required for the subject property in order to investigate the APECs on the subject property. Furthermore if excess fill material is excavated during development, environmental screening should be conducted to assess disposal options.

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

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

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

Shaun Pelkey, M.Sc.E., P.Eng.
Principal, Environmental Engineer



7.0 LIMITATIONS TO LIABILITY

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 Brian Saumure (Maple Leaf Homes) and Brian Saumure, Maple Leaf Homes is based on data and information collected during the Phase One ESA of the property conducted by GEMTEC. This report may not be relied upon by any other person or entity without the express written consent of GEMTEC, Brian Saumure (Maple Leaf Homes), and Brian Saumure, Maple Leaf Homes. In evaluating this site, GEMTEC 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 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.

8.0 REFERENCES

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

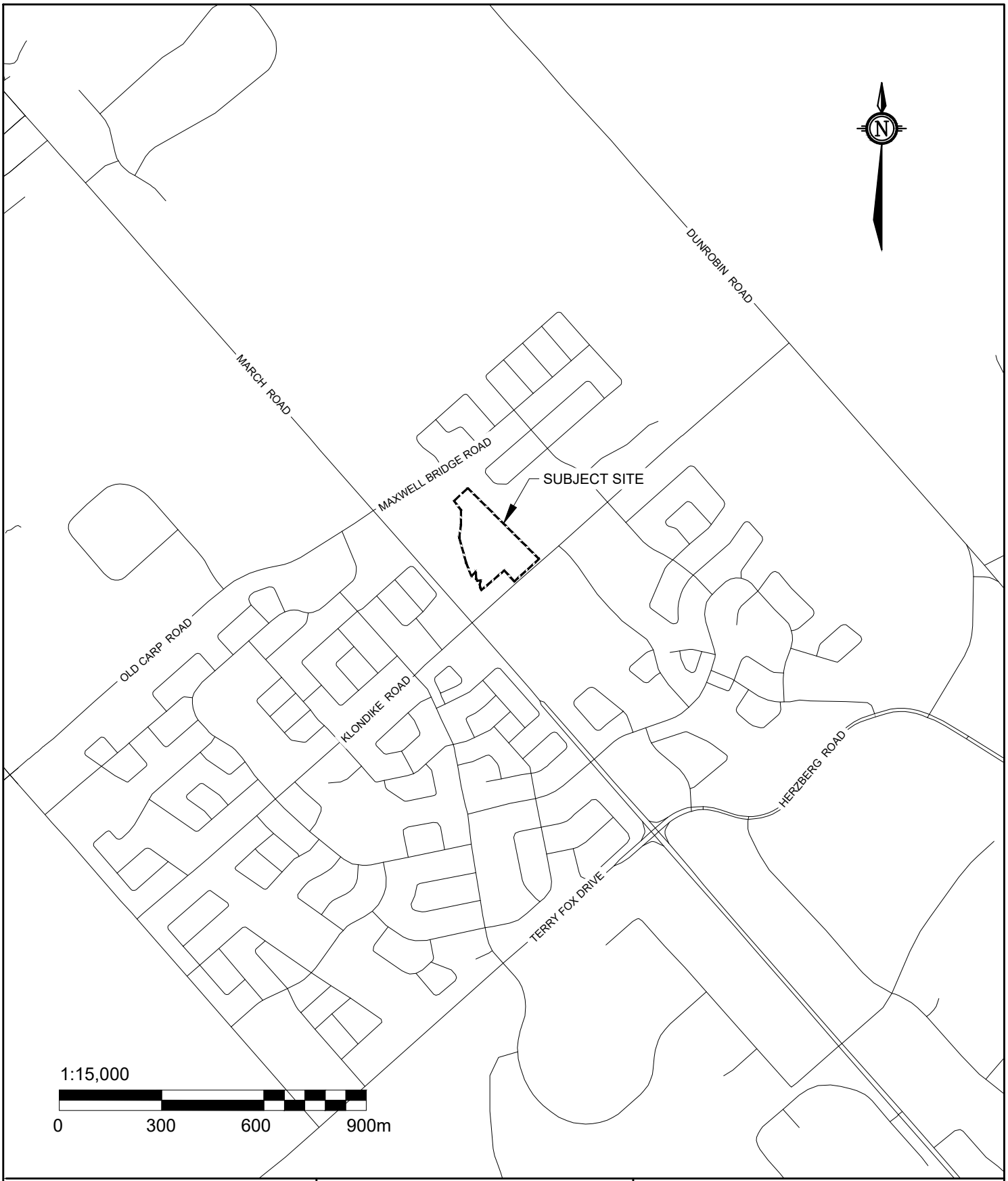
Geotechnical Investigation, Proposed Residential Subdivision, 1055 Klondike Road, Ottawa, Ontario. Prepared by GEMTEC, dated April 4, 2018.

GeoOttawa Maps.(http://maps.ottawa.ca/geoottawa/).

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

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

Preliminary Geotechnical Investigation, Proposed Residential Subdivision, 1055 Klondike Road, Ottawa, Ontario. Prepared by Houle Chevrier Engineering Ltd (Presently GEMTEC Consulting Engineers and Scientists), dated April 13, 2017.



GEMTEC
Consulting Engineers and Scientists
32 Steacie Drive, Ottawa, ON
T: (613) 836-1422 | www.gemtec.ca | ottawa@gemtec.ca

Project	Drawing
PHASE ONE ESA 1055 KLONDIKE ROAD OTTAWA, ONTARIO	KEY PLAN

Drwn By	Chkd By	Date	Project No.	Revision No.	
S.L.	K.R.	OCTOBER 2018	64153.85	0	**FIGURE 1**

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LEGEND

STUDY AREA

250 METRE BUFFER SHOWING EXTENT OF STUDY AREA

ON-SITE POTENTIALLY CONTAMINATING ACTIVITIES

1. FUEL STORAGE
2. FIRE

OFF-SITE POTENTIALLY CONTAMINATING ACTIVITIES

3. FUEL STORAGE
4. RETAIL GAS STATION
5. DRY CLEANER'S
6. WASTE GENERATOR
7. PESTICIDE VENDOR

Scale 1:4000

0 80 160 240m

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

Drawing: STUDY AREA PLAN

Client: NOVATECH

Project: 64153.85

PHASE ONE ESA
1055 KLONDIKE ROAD
OTTAWA, ONTARIO

Drwn by: S.L.

Chkd by: K.R.

Date: OCTOBER 2018

Rev.: 0

FIGURE 2

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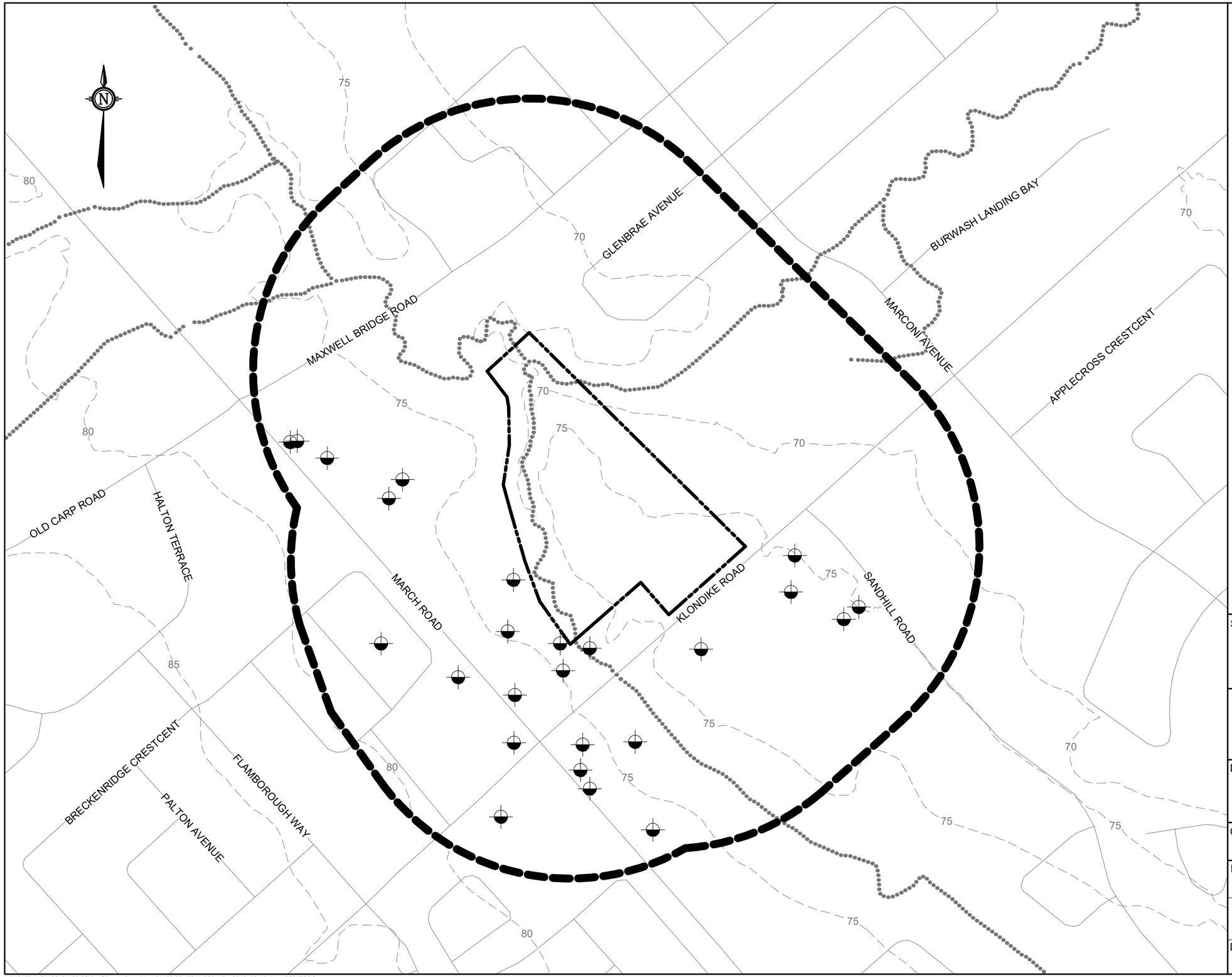

LEGEND

- MOECC WELL (APPROXIMATE LOCATION)
- STUDY AREA
- 250 METRE BUFFER SHOWING EXTENT OF STUDY AREA
- CONTOUR INTERVAL, IN METRES
- WATER BODIES

Scale 1:4000

0 80 160 240m

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Consulting Engineers and Scientists
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Ottawa, ON K2K 2A9
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www.gemtec.ca
ottawa@gemtec.ca

Drawing: TOPOGRAPHIC MAP

Client: NOVATECH

Project: 64153.85

PHASE ONE ESA
1055 KLONDIKE ROAD
OTTAWA, ONTARIO

Drwn by: S.L.

Chkd by: K.R.

Date: OCTOBER 2018

Rev.: 0

FIGURE 3

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APPENDIX A

Chain of Title

Attn: Katherine Reynolds

ENVIRONMENTAL SEARCH

Re: 1055 Klondike Rd. #64153.85

INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER
	Patent	June 12 1824	Crown	Joseph Maxwell
R0114	Deed	Jan 12 1828	Joseph Maxwell	David Benedict
R0298	Deed	Mar 27 1830	David Benedict	David Benedict Jr.
R0574	Deed	Dec 15 1832	David Benedict Jr.	William Gardiner
R01252	Will	Feb 7 1838	William Gardiner	Eliza B. Gardiner
R016208	Deed	July 18 1860	Eliza B. Hopper (formerly Gardiner)	Levi R. Church Peter H. Church
MH641	Deed	May 14 1883	Levi R. Church Peter H. Church	William Bouches
MH1548	Deed	Feb 19 1901	Estate of William Bouches	Oliver V. Sparks

ENVIRONMENTAL SEARCH

INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER
MH1822	Deed	Feb 17 1906	Oliver V. Sparks	John Armstrong Jr.
GR5202	Letters of Administration	May 7 1928	John Armstrong	Henry S. Armstrong
GR9413	Will	Mar 15 1949	Henry S. Armstrong	Tavenia P. Armstrong
NS43286 1	Deed	Jan 26 1979	Estate of Tavenia P. Armstrong	John A. Orr
NS160247	Deed	Aug 24 1982	Estate of John A. Orr	Rossie Story, Joan Orr, John A. Orr, Janet Ritchie
OC1313326	Will	Dec 6 2011	Janet Ritchie (Partial Interest)	Naida Ritchie-Prudhomme
OC1313327	Deed	Dec 6 2011	Naida Ritchie-Prudhomme (Partial Interest)	Naida Jean Ritchie Barry Ritchie
OC1941395	Deed	Oct 19 2017	Joan Orr, John Allan Orr, Barry Ritchie, Naida Jean Ritchie & Rossie Story	Village at the schoolyard Inc. (Current Owner)

ENVIRONMENTAL SEARCH

INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER

* Legal description is: Part of Lot 11, Concession 4, being Part 3 on Plan 5R-3477, Geographic Township of March, City of Ottawa. PIN 04527-0091.

Apr 11/18

APPENDIX B

Ecolog ERIS Database Report

Report to: Brian Saumure, Maple Leaf Homes
Project: 64153.85 (October 2, 2018)

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*64153.85* *1055 Klondike Road* *Ottawa ON*
Project No:	*64153.85*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*20180212154*
Requested by:	*GEMTEC Consulting Engineers and Scientists*
Date Completed:	*March 6, 2018*

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

www.erisinfo.com

Table of Contents

Executive Summary

Property Information:

Project Property:	*64153.85* *1055 Klondike Road Ottawa ON*
Project No:	*64153.85*

Order Information:

Order No:	*20180212154*
Date Requested:	*February 12, 2018*
Requested by:	*GEMTEC Consulting Engineers and Scientists*
Report Type:	*Quote - Custom-Build Your Own Report*

Historical/Products:

Aerial Photographs	*National Collection - Digital (PDF)*
City Directory Search	*Subject Site plus 10 Adjacent Properties*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
AAGR	*Abandoned Aggregate Inventory*	Y	0	0	0
AGR	*Aggregate Inventory*	Y	0	0	0
AMIS	*Abandoned Mine Information System*	Y	0	0	0
ANDR	*Anderson's Waste Disposal Sites*	Y	0	0	0
AUWR	*Automobile Wrecking & Supplies*	Y	0	0	0
BORE	*Borehole*	Y	0	6	6
CA	*Certificates of Approval*	Y	0	2	2
CFOT	*Commercial Fuel Oil Tanks*	Y	0	0	0
CHEM	*Chemical Register*	Y	0	0	0
CNG	*Compressed Natural Gas Stations*	Y	0	0	0
COAL	*Inventory of Coal Gasification Plants and Coal Tar Sites*	Y	0	0	0
CONV	*Compliance and Convictions*	Y	0	0	0
CPU	*Certificates of Property Use*	Y	0	0	0
DRL	*Drill Hole Database*	Y	0	0	0
EASR	*Environmental Activity and Sector Registry*	Y	0	0	0
EBR	*Environmental Registry*	Y	0	0	0
ECA	*Environmental Compliance Approval*	Y	0	4	4
EEM	*Environmental Effects Monitoring*	Y	0	0	0
EHS	*ERIS Historical Searches*	Y	1	5	6
EIIS	*Environmental Issues Inventory System*	Y	0	0	0
EMHE	*Emergency Management Historical Event*	Y	0	0	0
EXP	*List of TSSA Expired Facilities*	Y	0	1	1
FCON	*Federal Convictions*	Y	0	0	0
FCS	*Contaminated Sites on Federal Land*	Y	0	0	0
FOFT	*Fisheries & Oceans Fuel Tanks*	Y	0	0	0
FST	*Fuel Storage Tank*	Y	0	0	0
FSTH	*Fuel Storage Tank - Historic*	Y	0	0	0
GEN	*Ontario Regulation 347 Waste Generators Summary*	Y	0	14	14
GHG	*Greenhouse Gas Emissions from Large Facilities*	Y	0	0	0
HINC	*TSSA Historic Incidents*	Y	0	1	1
IAFT	*Indian & Northern Affairs Fuel Tanks*	Y	0	0	0
INC	*TSSA Incidents*	Y	0	0	0
LIMO	*Landfill Inventory Management Ontario*	Y	0	0	0
MINE	*Canadian Mine Locations*	Y	0	0	0
MNR	*Mineral Occurrences*	Y	0	0	0
NATE	*National Analysis of Trends in Emergencies System (NATES)*	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBW	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	2	2
PINC	TSSA Pipeline Incidents	Y	0	2	2
PRT	Private and Retail Fuel Storage Tanks	Y	0	1	1
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	1	1
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	1	1
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	24	24
	Total:		1	64	65

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	EHS		1055 & 1075 Klondike Rd Ottawa ON	-/0.0	1.28	18

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	BORE		ON	S/24.9	-7.71	18
2	WWIS		lot 11 con 4 ON	S/24.9	-7.71	18
3	WWIS		lot 11 con 4 KANATA ON	SSW/26.9	-6.68	21
4	WWIS		lot 11 con 4 KANATA ON	SW/36.6	-6.58	26
5	WWIS		lot 10 con 4 ON	SSE/47.9	-2.16	30
6	WWIS		lot 11 con 4 KANATA ON	SSW/49.5	-3.88	33
7	WWIS		lot 11 con 4 ON	ESE/50.4	0.02	34
8	BORE		ON	ESE/66.3	0.49	36
8	WWIS		lot 10 con 4 ON	ESE/66.3	0.49	37
9	WWIS		lot 11 con 4 KANATA ON	SSW/67.7	-5.53	39
10	EHS		Klondike Rd & March Rd Ottawa ON	S/68.1	-7.68	43
11	ECA	Riotrin Properties (March Road) Inc.	830 March Rd 1095 Klondike Road Ottawa ON M8V 3Y3	W/85.5	-1.06	44
12	EHS		Klondike Rd. and Sandhill Rd. Kanata ON	E/92.5	-2.12	44
13	BORE		ON	SSW/99.9	0.47	44
13	WWIS		lot 11 con 4 ON	SSW/99.9	0.47	44
14	HINC		121 STREAMSIDE CRESCENT KANATA ON K2W 0A9	NNE/102.3	-8.53	47
15	BORE		ON	W/113.1	0.47	47
15	WWIS		lot 11 con 4 ON	W/113.1	0.47	48
16	CA	Riotrin Properties (March Road) Inc.	830 March Rd 1095 Klondike Road Ottawa ON	WSW/120.4	0.39	50
17	EHS		788 March Road Kanata ON	S/125.6	-3.57	51
18	WWIS		lot 10 con 4 KANATA ON	ESE/127.9	0.50	51
19	WWIS		lot 10 con 3 KANATA ON	W/128.6	0.39	56
20	CA	R.M. OF OTTAWA-CARLETON	MARCH RD./KLONDIKE RD. (SWM) KANATA CITY ON	SSW/129.8	0.81	58

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
21	WWIS		lot 10 con 4 KANATA ON	ESE/134.3	-0.33	59
22	WWIS		KANATA ON	S/136.0	-5.86	64
22	WWIS		Ottawa ON	S/136.0	-5.86	66
23	WWIS		lot 10 con 3 KANATA ON	SW/138.9	-0.61	72
24	WWIS		lot 11 con 3 ON	SSW/141.8	0.75	73
25	EXP	J TIERNEY JIMS GAS BAR	1111 KLONDIKE RD LOT 11 CON 3 KANATA ON P7B 6C2	SSW/149.2	0.75	76
25	PRT	J TIERNEY JIMS GAS BAR	1111 KLONDIKE RD LOT 11 CON 3 KANATA ON	SSW/149.2	0.75	76
26	WWIS		lot 10 con 4 ON	S/152.4	1.23	76
27	GEN	Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	W/158.1	1.78	78
27	GEN	Pharmx Rexall Drug Stores Ltd.	832 March Road Kanata ON K2W 0C9	W/158.1	1.78	78
27	GEN	Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	W/158.1	1.78	79
27	GEN	Rexall Pharmacy Group Ltd.	832 March Road Kanata ON K2W 0C9	W/158.1	1.78	79
27	GEN	Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	W/158.1	1.78	79
27	GEN	Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	W/158.1	1.78	80
27	GEN	Pharmx Rexall Drug Stores Ltd.	832 March Road Kanata ON K2W 0C9	W/158.1	1.78	80
27	GEN	Rexall Pharmacy Group Ltd.	832 March Road Kanata ON K2W 0C9	W/158.1	1.78	80
27	GEN	Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	W/158.1	1.78	81
27	GEN	Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON	W/158.1	1.78	81
27	GEN	Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	W/158.1	1.78	81
28	RSC	Imperial Oil Limited	1092 Klondike Road and 788 March Road, Kanata, Ontario K2K 1X7 Kanata ON K2K 1X7	S/163.7	-3.85	81
29	EHS		1032 Klondike Road Kanata ON K2K 0H9	E/164.1	-3.53	82
30	BORE		ON	S/172.6	1.23	82
30	WWIS		lot 10 con 4 ON	S/172.6	1.23	82
31	ECA	Klondike Developments Inc.	870 March Rd and 1001 Klondike Road Ottawa ON K2C 0P9	NW/177.8	-4.29	86
31	ECA	Klondike Developments Inc.	870 March Rd and 1001 Klondike Road Ottawa ON K2C 0P9	NW/177.8	-4.29	86
32	SPL	PRIVATE OWNER	RESIDENCE AT 865 MARCH RD. (OWNER MR. WARD, 592-4814)	W/191.0	2.47	86

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			STORAGE TANK/BARREL OTTAWA CITY ON K2K 1X7			
33	GEN	2325225 Ontario Inc.	1102 KLONDIKE ROAD, R R #1 KANATA ON K2K 1X7	SSW/191.5	2.47	86
33	GEN	2325225 Ontario Inc.	1102 KLONDIKE ROAD, R R #1 KANATA ON K2K 1X7	SSW/191.5	2.47	87
33	GEN	G.G. Pharmacy Inc.	1102 KLONDIKE ROAD, R R #1 KANATA ON K2K 1X7	SSW/191.5	2.47	87
33	PES	G.G PHARMACY INC.	1102 KLONDIKE RD KANATA ON K2K1X7	SSW/191.5	2.47	87
33	PES	G.G PHARMACY INC.	1102 KLONDIKE RD KANATA ON K2K 0G1	SSW/191.5	2.47	88
34	WWIS		lot 11 con 3 ON	SW/193.4	1.47	88
35	WWIS		lot 11 con 4 KANATA ON	W/195.4	0.47	91
36	WWIS		lot 10 con 3 ON	SSW/219.0	3.89	93
37	WWIS		lot 11 con 4 KANATA ON	W/221.6	2.17	95
38	EHS		886 March Road Ottawa ON K2K 1X7	WNW/228.2	-0.22	97
39	WWIS		lot 11 con 4 ON	W/228.8	2.17	97
40	ECA	McDonald's Restaurants of Canada Limited	886 March Rd Ottawa ON H9P 2V5	WNW/240.7	0.50	99
41	PINC		858 March Rd,Kanata ON	WNW/246.0	2.17	100
41	PINC		858 MARCH ROAD, KANATA ON K2W 0C9	WNW/246.0	2.17	100
42	BORE		 ON	NW/249.2	-0.53	100

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2014 has found that there are 6 BORE site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON	24.9	2
	ON	66.3	8
	ON	99.9	13
	ON	113.1	15
	ON	172.6	30
	ON	249.2	42

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 2 CA site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Riotrin Properties (March Road) Inc.	830 March Rd 1095 Klondike Road Ottawa ON	120.4	16
R.M. OF OTTAWA-CARLETON	MARCH RD./KLONDIKE RD. (SWM) KANATA CITY ON	129.8	20

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Oct 2017 has found that there are 4 ECA site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Riotrin Properties (March Road) Inc.	830 March Rd 1095 Klondike Road Ottawa ON M8V 3Y3	85.5	11
Klondike Developments Inc.	870 March Rd and 1001 Klondike Road Ottawa ON K2C 0P9	177.8	31
Klondike Developments Inc.	870 March Rd and 1001 Klondike Road Ottawa ON K2C 0P9	177.8	31

Site	Address	Distance (m)	Map Key
McDonald's Restaurants of Canada Limited	886 March Rd Ottawa ON H9P 2V5	240.7	40

EHS - ERIS Historical Searches

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

Site	Address	Distance (m)	Map Key
	1055 & 1075 Klondike Rd Ottawa ON	0.0	1
	Klondike Rd & March Rd Ottawa ON	68.1	10
	Klondike Rd. and Sandhill Rd. Kanata ON	92.5	12
	788 March Road Kanata ON	125.6	17
	1032 Klondike Road Kanata ON K2K 0H9	164.1	29
	886 March Road Ottawa ON K2K 1X7	228.2	38

EXP - List of TSSA Expired Facilities

A search of the EXP database, dated Feb 28, 2017 has found that there are 1 EXP site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
J TIERNEY JIMS GAS BAR	1111 KLONDIKE RD LOT 11 CON 3 KANATA ON P7B 6C2	149.2	25

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-December 31, 2017 has found that there are 14 GEN site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Rexall Pharmacy Group Ltd.	832 March Road Kanata ON K2W 0C9	158.1	27
Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	158.1	27
Pharmx Rexall Drug Stores Ltd.	832 March Road Kanata ON K2W 0C9	158.1	27
Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	158.1	27

Site	Address	Distance (m)	Map Key
Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON	158.1	27
Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	158.1	27
Pharmx Rexall Drug Stores Ltd.	832 March Road Kanata ON K2W 0C9	158.1	27
Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	158.1	27
Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	158.1	27
Rexall Pharmacy Group Ltd.	832 March Road Kanata ON K2W 0C9	158.1	27
Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	158.1	27
G.G. Pharmacy Inc.	1102 KLONDIKE ROAD, R R #1 KANATA ON K2K 1X7	191.5	33
2325225 Ontario Inc.	1102 KLONDIKE ROAD, R R #1 KANATA ON K2K 1X7	191.5	33
2325225 Ontario Inc.	1102 KLONDIKE ROAD, R R #1 KANATA ON K2K 1X7	191.5	33

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 1 HINC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	121 STREAMSIDE CRESCENT KANATA ON K2W 0A9	102.3	14

PES - Pesticide Register

A search of the PES database, dated 1988-Aug 2017 has found that there are 2 PES site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
G.G PHARMACY INC.	1102 KLONDIKE RD KANATA ON K2K 0G1	191.5	33
G.G PHARMACY INC.	1102 KLONDIKE RD KANATA ON K2K1X7	191.5	33

PINC - TSSA Pipeline Incidents

A search of the PINC database, dated Feb 28, 2017 has found that there are 2 PINC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	858 March Rd,Kanata ON	246.0	41
	858 MARCH ROAD, KANATA ON K2W 0C9	246.0	41

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 1 PRT site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
J TIERNEY JIMS GAS BAR	1111 KLONDIKE RD LOT 11 CON 3 KANATA ON	149.2	25

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Nov 2017 has found that there are 1 RSC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Imperial Oil Limited	1092 Klondike Road and 788 March Road, Kanata, Ontario K2K 1X7 Kanata ON K2K 1X7	163.7	28

SPL - Ontario Spills

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

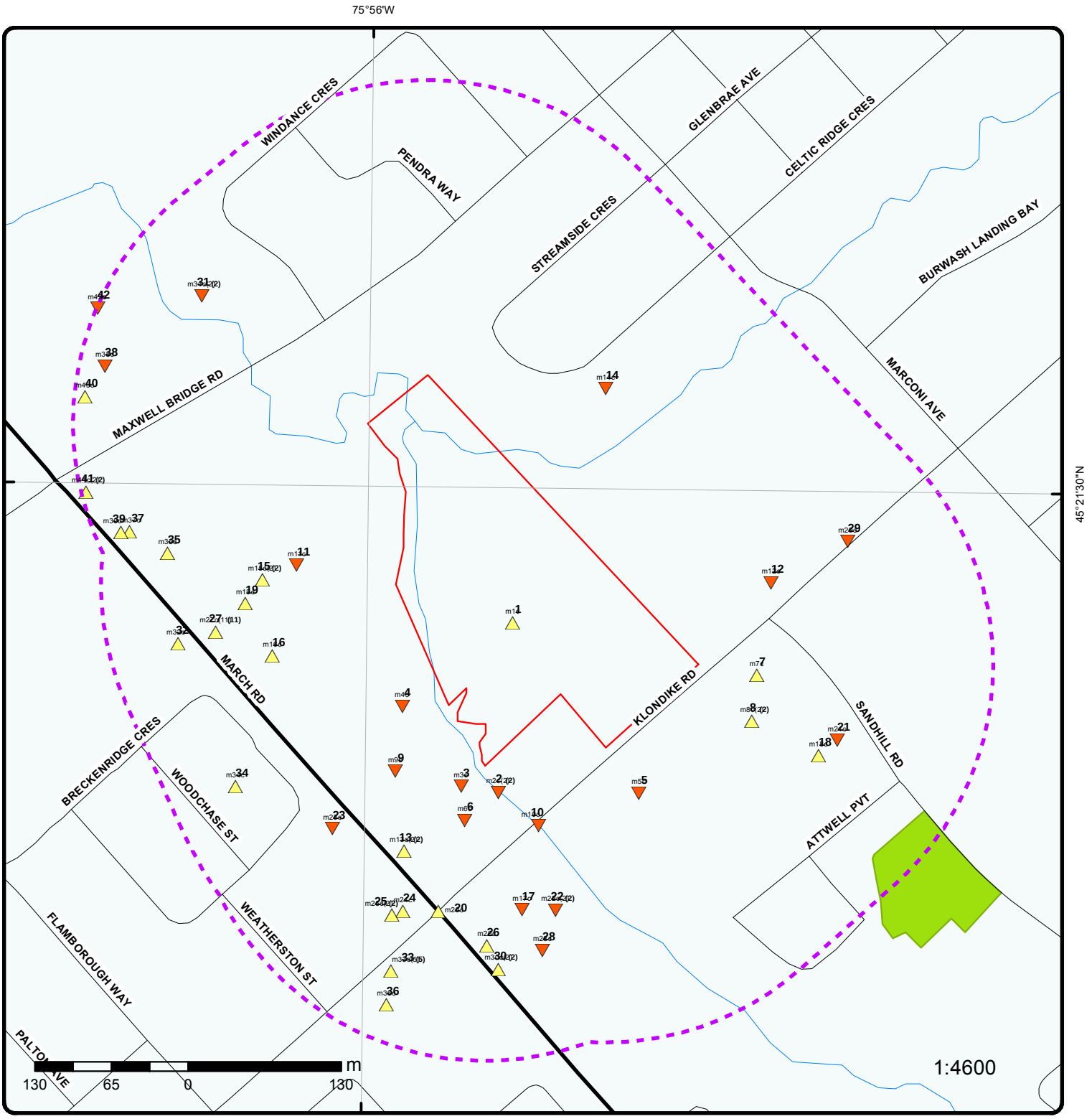
Site	Address	Distance (m)	Map Key
PRIVATE OWNER	RESIDENCE AT 865 MARCH RD. (OWNER MR. WARD, 592-4814) STORAGE TANK/BARREL OTTAWA CITY ON K2K 1X7	191.0	32

WWIS - Water Well Information System

A search of the WWIS database, dated Mar 31, 2017 has found that there are 24 WWIS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	lot 11 con 4 ON	24.9	2
	lot 11 con 4 KANATA ON	26.9	3
	lot 11 con 4 KANATA ON	36.6	4
	lot 10 con 4 ON	47.9	5

Site	Address	Distance (m)	Map Key
	lot 11 con 4 KANATA ON	49.5	6
	lot 11 con 4 ON	50.4	7
	lot 10 con 4 ON	66.3	8
	lot 11 con 4 KANATA ON	67.7	9
	lot 11 con 4 ON	99.9	13
	lot 11 con 4 ON	113.1	15
	lot 10 con 4 KANATA ON	127.9	18
	lot 10 con 3 KANATA ON	128.6	19
	lot 10 con 4 KANATA ON	134.3	21
	KANATA ON	136.0	22
	Ottawa ON	136.0	22
	lot 10 con 3 KANATA ON	138.9	23
	lot 11 con 3 ON	141.8	24
	lot 10 con 4 ON	152.4	26
	lot 10 con 4 ON	172.6	30
	lot 11 con 3 ON	193.4	34
	lot 11 con 4 KANATA ON	195.4	35
	lot 10 con 3 ON	219.0	36
	lot 11 con 4 KANATA ON	221.6	37
	lot 11 con 4 ON	228.8	39



Map : 0.25 Kilometer Radius

Order No: 20180212154

Address: 1055 Klondike Road, Ottawa, ON

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

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

75°55'30"W

45°21'N

45°21'N

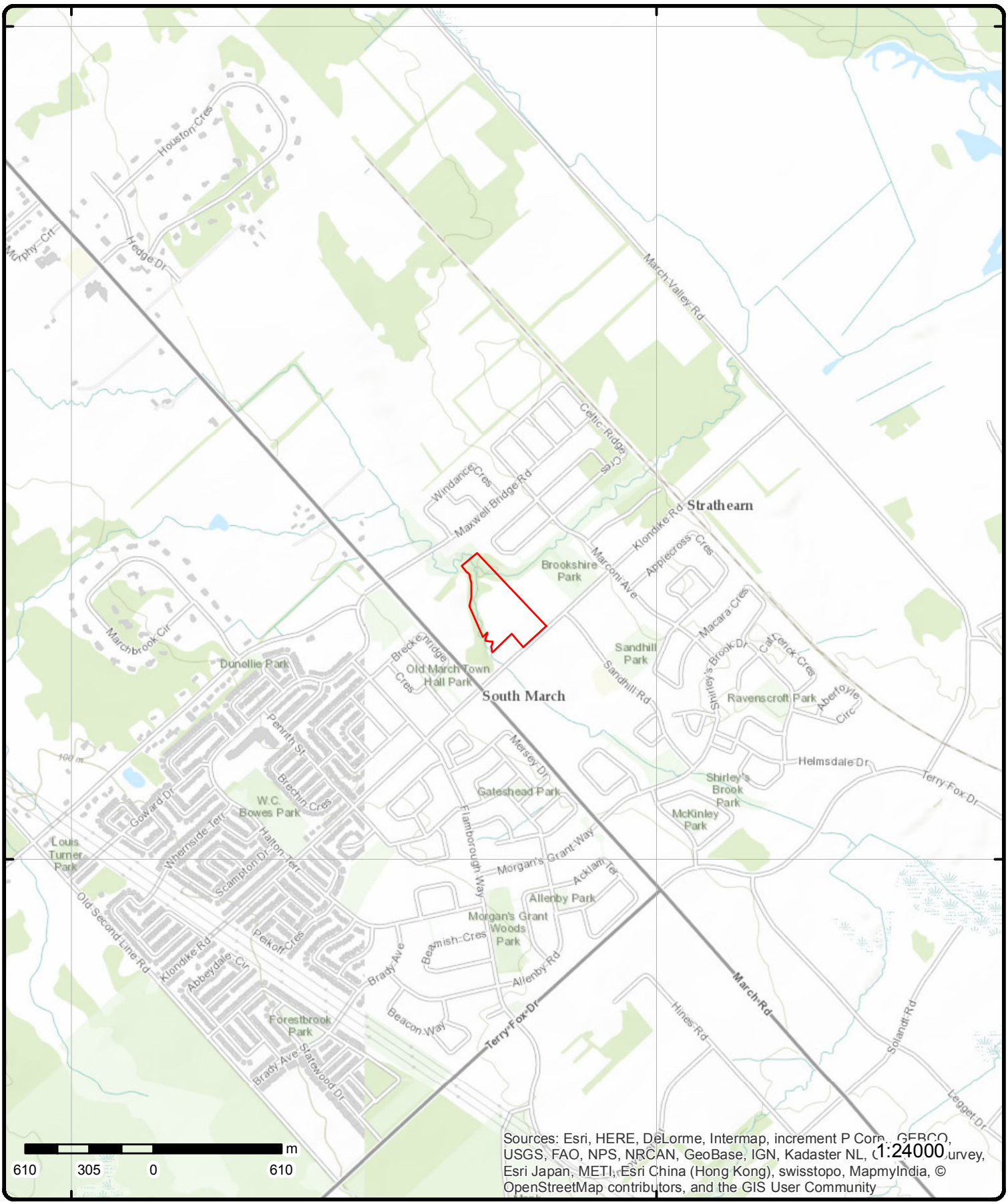
Aerial (2016)

Address: 1055 Klondike Road, Ottawa, ON

Source: ESRI World Imagery

Order No: 20180212154

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



Topographic Map

Address: 1055 Klondike Road, Ottawa, ON

Source: ESRI World Topographic Map

Order No: 20180212154

ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	-/0.0	80.7 / 1.28	1055 & 1075 Klondike Rd Ottawa ON	EHS

Postal Code:
City: Ottawa
Address2:
Address1: 1055 & 1075 Klondike Rd
Provstate: ON
Order No.: 20151120038
Addit. Info Ordered:: City Directory
Report Date: 26-NOV-15
Report Type: Custom Report
Search Radius (km): .25

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 2	S/24.9	71.7 / -7.71	ON	BORE

Borehole ID: 609816
Use:
Drill Method::
Easting:: 427011
Location Accuracy::
Elev. Reliability Note::
Total Depth m:: 19.2
Township::
Lot::
Completion Date:: AUG-1969
Primary Water Use::
Type: Borehole
Status::
UTM Zone:: 18
Northing:: 5022922
Orig. Ground Elev m:: 79.2
DEM Ground Elev m:: 71.1
Primary Name::
Concession::
Municipality:
Static Water Level:: -11
Sec. Water Use::

--Details--

Stratum ID: 218384161
Bottom Depth(m): 9.1
Top Depth(m): 0.0
Stratum Desc: CLAY. BROWN.

Stratum ID: 218384162
Bottom Depth(m): 15.2
Top Depth(m): 9.1
Stratum Desc: SANDSTONE. BROWN.

Stratum ID: 218384163
Bottom Depth(m): 19.2
Top Depth(m): 15.2
Stratum Desc: LIMESTONE. WHITE. 00060STABLE AT 298.0 FEET.BLACK. LIMESTONE. BLUE. SANDSTONE. BLACK.

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	2 of 2	S/24.9	71.7 / -7.71	lot 11 con 4 ON	WWIS

Well ID: 1510450
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Data Entry Status:
Data Src: 1
Date Received: 1/21/1970
Selected Flag: 1
Abandonment Rec:
Contractor: 4724
Form Version: 1
Owner:

Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	011
Well Depth:		**Concession:**	04
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:	10032478	**Spatial Status:**	
DP2BR:	30	**Cluster Kind:**	
Code OB:	r	**UTMRC:**	4
Code OB Desc:	Bedrock	**UTMRC Desc:**	margin of error : 30 m - 100 m
Open Hole:		**Location Method:**	p4
Elevation:	71.102134	**Org CS:**	
Elevrc:		**Date Completed:**	8/26/1969
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931014923
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0.00
Formation End Depth:	30.00
Formation End Depth UOM:	ft

Formation ID:	931014924
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	30.00
Formation End Depth:	50.00
Formation End Depth UOM:	ft

Formation ID:	931014925
Layer:	3
Color:	1

General Color:	WHITE
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	50.00
Formation End Depth:	63.00
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961510450
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10581048
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930057543
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	30.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991510450
Pump Set At:	
Static Level:	20.00
Final Level After Pumping:	30.00
Recommended Pump Depth:	
Pumping Rate:	12.00
Flowing Rate:	
Recommended Pump Rate:	10.00
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934097101
Test Type:	Draw Down
Test Duration:	15

Test Level:	30.00
Test Level UOM:	ft
Pump Test Detail ID:	934378445
Test Type:	Draw Down
Test Duration:	30
Test Level:	30.00
Test Level UOM:	ft
Pump Test Detail ID:	934640578
Test Type:	Draw Down
Test Duration:	45
Test Level:	30.00
Test Level UOM:	ft
Pump Test Detail ID:	934897501
Test Type:	Draw Down
Test Duration:	60
Test Level:	30.00
Test Level UOM:	ft

Water Details

Water ID:	933465442
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	49.00
Water Found Depth UOM:	ft
Water ID:	933465443
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60.00
Water Found Depth UOM:	ft

3 ***1 of 1*** ***SSW/26.9*** ***72.7 / -6.68*** ***lot 11 con 4 KANATA ON*** ***WWIS***

Well ID:	7147352	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Domestic	**Date Received:**	6/25/2010
Sec. Water Use:		**Selected Flag:**	1
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1119
Casing Material:		**Form Version:**	7
Audit No:	Z108317	**Owner:**	
Tag:	A093683	**Street Name:**	1095 KLONDIKE RD
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	011
Well Depth:		**Concession:**	04
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:	1003074984	**Spatial Status:**	
DP2BR:		**Cluster Kind:**	
Code OB:		**UTMRC:**	4
Code OB Desc:		**UTMRC Desc:**	margin of error : 30 m - 100 m
Open Hole:		**Location Method:**	wwr
Elevation:	72.311798	**Org CS:**	UTM83
Elevrc:		**Date Completed:**	4/30/2010
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1003194960
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Other Materials:	GRAVEL
Mat3:	13
Other Materials:	BOULDERS
Formation Top Depth:	0.00
Formation End Depth:	10.00
Formation End Depth UOM:	ft

Formation ID:	1003194961
Layer:	2
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	13
Other Materials:	BOULDERS
Formation Top Depth:	10.00
Formation End Depth:	18.00
Formation End Depth UOM:	ft

Formation ID:	1003194962
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	18.00
Formation End Depth:	28.00
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1003194964

Layer: 1
Plug From: 20.00
Plug To: 10.00
Plug Depth UOM: ft

Plug ID: 1003194965
Layer: 2
Plug From: 10.00
Plug To: 0.00
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1003194986
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 1003194958
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003194967
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: 2.00
Depth To: 20.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Casing ID: 1003194968
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From: 20.00
Depth To: 28.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1003194969
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Results of Well Yield Testing

Pump Test ID:	1003194959
Pump Set At:	20.00
Static Level:	9.41
Final Level After Pumping:	15.66
Recommended Pump Depth:	20.00
Pumping Rate:	12.00
Flowing Rate:	
Recommended Pump Rate:	10.00
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	0
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	

Draw Down & Recovery

Pump Test Detail ID:	1003194971
Test Type:	Recovery
Test Duration:	1
Test Level:	9.41
Test Level UOM:	ft

Pump Test Detail ID:	1003194970
Test Type:	Draw Down
Test Duration:	1
Test Level:	13.58
Test Level UOM:	ft

Pump Test Detail ID:	1003194972
Test Type:	Draw Down
Test Duration:	2
Test Level:	13.58
Test Level UOM:	ft

Pump Test Detail ID:	1003194973
Test Type:	Draw Down
Test Duration:	3
Test Level:	13.58
Test Level UOM:	ft

Pump Test Detail ID:	1003194974
Test Type:	Draw Down
Test Duration:	4
Test Level:	13.58
Test Level UOM:	ft

Pump Test Detail ID:	1003194975
Test Type:	Draw Down
Test Duration:	5
Test Level:	13.58
Test Level UOM:	ft

Pump Test Detail ID:	1003194976
Test Type:	Draw Down
Test Duration:	10
Test Level:	13.66
Test Level UOM:	ft

Pump Test Detail ID:	1003194977
Test Type:	Draw Down
Test Duration:	15
Test Level:	15.16

Test Level UOM:	ft
Pump Test Detail ID:	1003194978
Test Type:	Draw Down
Test Duration:	20
Test Level:	15.50
Test Level UOM:	ft
Pump Test Detail ID:	1003194979
Test Type:	Draw Down
Test Duration:	25
Test Level:	15.50
Test Level UOM:	ft
Pump Test Detail ID:	1003194980
Test Type:	Draw Down
Test Duration:	30
Test Level:	15.50
Test Level UOM:	ft
Pump Test Detail ID:	1003194981
Test Type:	Draw Down
Test Duration:	40
Test Level:	15.58
Test Level UOM:	ft
Pump Test Detail ID:	1003194982
Test Type:	Draw Down
Test Duration:	50
Test Level:	15.58
Test Level UOM:	ft
Pump Test Detail ID:	1003194983
Test Type:	Draw Down
Test Duration:	60
Test Level:	15.66
Test Level UOM:	ft
Pump Test Detail ID:	1003194984
Test Type:	Recovery
Test Duration:	60
Test Level:	9.41
Test Level UOM:	ft

Water Details

Water ID:	1003194966
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	23.00
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1003194963
Diameter:	6.00
Depth From:	0.00
Depth To:	28.00
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	1 of 1	SW/36.6	72.8 / -6.58	lot 11 con 4 KANATA ON	WWIS

Well ID:	7147354	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Domestic	**Date Received:**	6/25/2010
Sec. Water Use:		**Selected Flag:**	1
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1119
Casing Material:		**Form Version:**	7
Audit No:	Z108342	**Owner:**	
Tag:	A095989	**Street Name:**	1095 KLONDIKE RD
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	011
Well Depth:		**Concession:**	04
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:	1003075040	**Spatial Status:**	
DP2BR:		**Cluster Kind:**	
Code OB:		**UTMRC:**	4
Code OB Desc:		**UTMRC Desc:**	margin of error : 30 m - 100 m
Open Hole:		**Location Method:**	wwr
Elevation:	72.534523	**Org CS:**	UTM83
Elevrc:		**Date Completed:**	4/30/2010
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1003195081
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Other Materials:	GRAVEL
Mat3:	
Other Materials:	
Formation Top Depth:	0.00
Formation End Depth:	19.00
Formation End Depth UOM:	ft

Formation ID:	1003195082
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE

Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 19.00
Formation End Depth: 29.00
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1003195085
Layer: 1
Plug From: 22.00
Plug To: 0.00
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1003195106
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 1003195079
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003195087
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: 2.00
Depth To: 22.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Casing ID: 1003195088
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From: 22.00
Depth To: 29.00
Casing Diameter: 5.68
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1003195089
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:

Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1003195080
Pump Set At: 20.00
Static Level: 17.66
Final Level After Pumping: 21.25
Recommended Pump Depth: 20.00
Pumping Rate: 20.00
Flowing Rate:
Recommended Pump Rate: 20.00
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 0
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1003195090
Test Type: Draw Down
Test Duration: 1
Test Level: 19.58
Test Level UOM: ft

Pump Test Detail ID: 1003195091
Test Type: Recovery
Test Duration: 1
Test Level: 17.66
Test Level UOM: ft

Pump Test Detail ID: 1003195092
Test Type: Draw Down
Test Duration: 2
Test Level: 19.66
Test Level UOM: ft

Pump Test Detail ID: 1003195093
Test Type: Draw Down
Test Duration: 3
Test Level: 19.66
Test Level UOM: ft

Pump Test Detail ID: 1003195094
Test Type: Draw Down
Test Duration: 4
Test Level: 19.66
Test Level UOM: ft

Pump Test Detail ID: 1003195095
Test Type: Draw Down
Test Duration: 5
Test Level: 19.66
Test Level UOM: ft

Pump Test Detail ID: 1003195096
Test Type: Draw Down
Test Duration: 10

Test Level: 21.08
Test Level UOM: ft

Pump Test Detail ID: 1003195097
Test Type: Draw Down
Test Duration: 15
Test Level: 21.08
Test Level UOM: ft

Pump Test Detail ID: 1003195098
Test Type: Draw Down
Test Duration: 20
Test Level: 21.08
Test Level UOM: ft

Pump Test Detail ID: 1003195099
Test Type: Draw Down
Test Duration: 25
Test Level: 21.16
Test Level UOM: ft

Pump Test Detail ID: 1003195100
Test Type: Draw Down
Test Duration: 30
Test Level: 21.16
Test Level UOM: ft

Pump Test Detail ID: 1003195101
Test Type: Draw Down
Test Duration: 40
Test Level: 21.16
Test Level UOM: ft

Pump Test Detail ID: 1003195102
Test Type: Draw Down
Test Duration: 50
Test Level: 21.16
Test Level UOM: ft

Pump Test Detail ID: 1003195104
Test Type: Recovery
Test Duration: 60
Test Level: 17.66
Test Level UOM: ft

Pump Test Detail ID: 1003195103
Test Type: Draw Down
Test Duration: 60
Test Level: 21.25
Test Level UOM: ft

Water Details

Water ID: 1003195086
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 22.00
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1003195083
Diameter: 6.00

Depth From:	0.00
Depth To:	22.00
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
Hole ID:	1003195084
Diameter:	0.31
Depth From:	22.00
Depth To:	29.00
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

5 **1 of 1** **SSE/47.9** **77.2 / -2.16** **lot 10 con 4 ON** **WWIS**

Well ID:	1519081	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	8/7/1984
Sec. Water Use:	0	**Selected Flag:**	1
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:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	04
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:	10040951	**Spatial Status:**	
DP2BR:	31	**Cluster Kind:**	
Code OB:	r	**UTMRC:**	4
Code OB Desc:	Bedrock	**UTMRC Desc:**	margin of error : 30 m - 100 m
Open Hole:		**Location Method:**	p4
Elevation:	76.357734	**Org CS:**	
Elevrc:		**Date Completed:**	7/10/1984
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931040535
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	77

Other Materials:	LOOSE
Mat3:	
Other Materials:	
Formation Top Depth:	0.00
Formation End Depth:	8.00
Formation End Depth UOM:	ft
Formation ID:	931040536
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Other Materials:	SAND
Mat3:	12
Other Materials:	STONES
Formation Top Depth:	8.00
Formation End Depth:	31.00
Formation End Depth UOM:	ft
Formation ID:	931040537
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	78
Other Materials:	MEDIUM-GRAINED
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	31.00
Formation End Depth:	81.00
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961519081
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10589521
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930071493
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	32.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID:	930071494

Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	81.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991519081
Pump Set At:	
Static Level:	17.00
Final Level After Pumping:	30.00
Recommended Pump Depth:	50.00
Pumping Rate:	20.00
Flowing Rate:	
Recommended Pump Rate:	5.00
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

Draw Down & Recovery

Pump Test Detail ID:	934106901
Test Type:	Draw Down
Test Duration:	15
Test Level:	30.00
Test Level UOM:	ft

Pump Test Detail ID:	934381642
Test Type:	Draw Down
Test Duration:	30
Test Level:	30.00
Test Level UOM:	ft

Pump Test Detail ID:	934651620
Test Type:	Draw Down
Test Duration:	45
Test Level:	30.00
Test Level UOM:	ft

Pump Test Detail ID:	934901149
Test Type:	Draw Down
Test Duration:	60
Test Level:	30.00
Test Level UOM:	ft

Water Details

Water ID:	933475962
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	77.00
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
6	1 of 1	SSW/49.5	75.5 / -3.88	lot 11 con 4 KANATA ON	WWIS

Well ID: 1536815
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z47085
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: 11/17/2006
Selected Flag: 1
Abandonment Rec: Yes
Contractor: 1558
Form Version: 3
Owner:
Street Name: MARCH RD
County: OTTAWA-CARLETON
Municipality: MARCH TOWNSHIP
Site Info:
Lot: 011
Concession: 04
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11691909
DP2BR:
Code OB: _
Code OB Desc: No formation data
Open Hole:
Elevation: 73.999092
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Spatial Status:
Cluster Kind:
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr
Org CS: UTM83
Date Completed: 9/26/2006

Annular Space/Abandonment Sealing Record

Plug ID: 933286605
Layer: 1
Plug From: 11.12
Plug To: 0.00
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 961536815
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 11696775

Casing No: 1
Comment:
Alt Name:

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7 **1 of 1** **ESE/50.4** **79.4 / 0.02** **lot 11 con 4 ON** **WWIS**

Well ID:	1518467	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	9/16/1983
Sec. Water Use:	0	**Selected Flag:**	1
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	5411
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	011
Well Depth:		**Concession:**	04
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:	10040337	**Spatial Status:**	
DP2BR:	15	**Cluster Kind:**	
Code OB:	r	**UTMRC:**	4
Code OB Desc:	Bedrock	**UTMRC Desc:**	margin of error : 30 m - 100 m
Open Hole:		**Location Method:**	p4
Elevation:	74.836296	**Org CS:**	
Elevrc:		**Date Completed:**	8/27/1983
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931038530
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0.00
Formation End Depth:	15.00
Formation End Depth UOM:	ft

Formation ID: 931038531

Layer: 2
Color: 1
General Color: WHITE
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 15.00
Formation End Depth: 64.00
Formation End Depth UOM: ft

Formation ID: 931038532
Layer: 3
Color: 6
General Color: BROWN
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 64.00
Formation End Depth: 70.00
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961518467
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10588907
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930070420
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Casing ID: 930070421
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 70.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	991518467
Pump Set At:	
Static Level:	7.00
Final Level After Pumping:	9.00
Recommended Pump Depth:	65.00
Pumping Rate:	40.00
Flowing Rate:	
Recommended Pump Rate:	8.00
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:	934103782
Test Type:	Recovery
Test Duration:	15
Test Level:	7.00
Test Level UOM:	ft

Water Details

Water ID:	933475187
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	33.00
Water Found Depth UOM:	ft

Water ID:	933475188
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	64.00
Water Found Depth UOM:	ft

8 ***1 of 2*** ***ESE/66.3*** ***79.9 / 0.49*** ***ON*** ***BORE***

Borehole ID:	609817	***Type:***	Borehole
Use:		***Status::***	
Drill Method::		***UTM Zone::***	18
Easting::	427226	***Northing::***	5022982
Location Accuracy::		***Orig. Ground Elev m::***	76.2
Elev. Reliability Note::		***DEM Ground Elev m::***	75.8
Total Depth m::	15.2	***Primary Name::***	
Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::	AUG-1968	***Static Water Level::***	-14
Primary Water Use::		***Sec. Water Use::***	

--Details--

Stratum ID:	218384164	***Top Depth(m):***	0.0
Bottom Depth(m):	2.7	***Stratum Desc:***	SAND.

Stratum ID:	218384165	**Top Depth(m):**	2.7
Bottom Depth(m):	8.5	**Stratum Desc:**	CLAY. BLUE.
Stratum ID:	218384166	**Top Depth(m):**	8.5
Bottom Depth(m):	15.2	**Stratum Desc:**	SANDSTONE. 00047E. WHITE. 00060STABLE AT 298.0 FEET.BLACK. LIMESTONE. BLUE. SANDSTO

8 **2 of 2** **ESE/66.3** **79.9 / 0.49** **lot 10 con 4 ON** **WWIS**

Well ID:	1509908	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	11/8/1968
Sec. Water Use:	0	**Selected Flag:**	1
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3553
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	04
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:	10031940	**Spatial Status:**	
DP2BR:	28	**Cluster Kind:**	
Code OB:	r	**UTMRC:**	4
Code OB Desc:	Bedrock	**UTMRC Desc:**	margin of error : 30 m - 100 m
Open Hole:		**Location Method:**	p4
Elevation:	75.776847	**Org CS:**	
Elevrc:		**Date Completed:**	8/27/1968
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931013369
Layer:	1
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Other Materials:	
Mat3:	

Other Materials:
Formation Top Depth: 0.00
Formation End Depth: 9.00
Formation End Depth UOM: ft

Formation ID: 931013370
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 9.00
Formation End Depth: 28.00
Formation End Depth UOM: ft

Formation ID: 931013371
Layer: 3
Color:
General Color:
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 28.00
Formation End Depth: 50.00
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961509908
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10580510
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930056508
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 31.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Casing ID: 930056509
Layer: 2
Material: 4

Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	50.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991509908
Pump Set At:	
Static Level:	18.00
Final Level After Pumping:	25.00
Recommended Pump Depth:	30.00
Pumping Rate:	8.00
Flowing Rate:	
Recommended Pump Rate:	6.00
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Water Details

Water ID:	933464803
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	47.00
Water Found Depth UOM:	ft

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9 | ***1 of 1*** | ***SSW/67.7*** | ***73.9 / -5.53*** | ***lot 11 con 4 KANATA ON*** | ***WWIS***

Well ID:	7147353	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Domestic	**Date Received:**	6/25/2010
Sec. Water Use:		**Selected Flag:**	1
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1119
Casing Material:		**Form Version:**	7
Audit No:	Z108340	**Owner:**	
Tag:	A093682	**Street Name:**	1095 KLONDIKE RD
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	011
Well Depth:		**Concession:**	04
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:	1003074986	**Spatial Status:**	

DP2BR:
Code OB:
Code OB Desc:
Open Hole:
Elevation: 74.549217
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Cluster Kind:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr
Org CS: UTM83
Date Completed: 4/30/2010

Overburden and Bedrock Materials Interval

Formation ID: 1003195009
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Other Materials: GRAVEL
Mat3:
Other Materials:
Formation Top Depth: 0.00
Formation End Depth: 16.00
Formation End Depth UOM: ft

Formation ID: 1003195010
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 16.00
Formation End Depth: 23.00
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1003195013
Layer: 1
Plug From: 18.00
Plug To: 0.00
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1003195034
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID:	1003195007
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1003195015
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	2.00
Depth To:	18.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Casing ID:	1003195016
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	18.00
Depth To:	23.00
Casing Diameter:	5.68
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1003195017
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID:	1003195008
Pump Set At:	18.00
Static Level:	13.41
Final Level After Pumping:	13.66
Recommended Pump Depth:	18.00
Pumping Rate:	20.00
Flowing Rate:	
Recommended Pump Rate:	20.00
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	0
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	

Draw Down & Recovery

Pump Test Detail ID:	1003195019
Test Type:	Recovery
Test Duration:	1
Test Level:	13.41
Test Level UOM:	ft
Pump Test Detail ID:	1003195018
Test Type:	Draw Down
Test Duration:	1
Test Level:	13.50
Test Level UOM:	ft
Pump Test Detail ID:	1003195020
Test Type:	Draw Down
Test Duration:	2
Test Level:	13.50
Test Level UOM:	ft
Pump Test Detail ID:	1003195021
Test Type:	Draw Down
Test Duration:	3
Test Level:	13.50
Test Level UOM:	ft
Pump Test Detail ID:	1003195022
Test Type:	Draw Down
Test Duration:	4
Test Level:	13.50
Test Level UOM:	ft
Pump Test Detail ID:	1003195023
Test Type:	Draw Down
Test Duration:	5
Test Level:	13.58
Test Level UOM:	ft
Pump Test Detail ID:	1003195024
Test Type:	Draw Down
Test Duration:	10
Test Level:	13.58
Test Level UOM:	ft
Pump Test Detail ID:	1003195025
Test Type:	Draw Down
Test Duration:	15
Test Level:	13.66
Test Level UOM:	ft
Pump Test Detail ID:	1003195026
Test Type:	Draw Down
Test Duration:	20
Test Level:	13.66
Test Level UOM:	ft
Pump Test Detail ID:	1003195027
Test Type:	Draw Down
Test Duration:	25
Test Level:	13.66
Test Level UOM:	ft
Pump Test Detail ID:	1003195028
Test Type:	Draw Down
Test Duration:	30
Test Level:	13.66
Test Level UOM:	ft

Pump Test Detail ID:	1003195029
Test Type:	Draw Down
Test Duration:	40
Test Level:	13.66
Test Level UOM:	ft
Pump Test Detail ID:	1003195030
Test Type:	Draw Down
Test Duration:	50
Test Level:	13.66
Test Level UOM:	ft
Pump Test Detail ID:	1003195032
Test Type:	Recovery
Test Duration:	60
Test Level:	13.41
Test Level UOM:	ft
Pump Test Detail ID:	1003195031
Test Type:	Draw Down
Test Duration:	60
Test Level:	13.66
Test Level UOM:	ft

Water Details

Water ID:	1003195014
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	21.00
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1003195011
Diameter:	6.00
Depth From:	0.00
Depth To:	18.00
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
Hole ID:	1003195012
Diameter:	5.62
Depth From:	18.00
Depth To:	23.00
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
10	1 of 1	S/68.1	71.7 / -7.68	Klondike Rd & March Rd Ottawa ON	EHS

Postal Code:	
City:	Ottawa
Address2:	
Address1:	Klondike Rd & March Rd
Provstate:	ON
Order No.:	20151007070
Addit. Info Ordered::	
Report Date:	09-OCT-15
Report Type:	Standard Report
Search Radius (km):	.25

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
11	1 of 1	W/85.5	78.3 / -1.06	Riotrin Properties (March Road) Inc. 830 March Rd 1095 Klondike Road Ottawa ON M8V 3Y3	ECA

Approval No: 5973-8DVJXN
Status: Approved
Date: 2011-02-28
Record Type: ECA
Link Source: IDS
Project Type: Municipal and Private Sewage Works
Approval Type: ECA-Municipal and Private Sewage Works
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4571-8D9T5E-14.pdf
SWP Area Name:
MOE District:
City:
Latitude:
Longitude:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
12	1 of 1	E/92.5	77.3 / -2.12	Klondike Rd. and Sandhill Rd. Kanata ON	EHS

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20070307016
Addit. Info Ordered::
Report Date: 3/15/2007
Report Type: CAN - Complete Report
Search Radius (km): 0.25

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
13	1 of 2	SSW/99.9	79.9 / 0.47	ON	BORE

Borehole ID: 609814
Use:
Drill Method::
Easting:: 426931
Location Accuracy::
Elev. Reliability Note::
Total Depth m:: 14.6
Township::
Lot::
Completion Date:: NOV-1955
Primary Water Use::
Type: Borehole
Status::
UTM Zone:: 18
Northing:: 5022872
Orig. Ground Elev m:: 78
DEM Ground Elev m:: 77.3
Primary Name::
Concession::
Municipality:
Static Water Level:: -12
Sec. Water Use::

--Details--

Stratum ID	Bottom Depth(m)	Top Depth(m)	Stratum Desc
218384158	0.3	0.0	SOIL.
218384159	5.5	0.3	CLAY. BLUE.
218384160	14.6	5.5	SANDSTONE. GREY. 000400067. WATER STABLE AT 298.0 FEET.BLACK. LIMESTONE. BLUE. SANDSTO

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
13	2 of 2	SSW/99.9	79.9 / 0.47	lot 11 con 4 ON	WWIS

Well ID:	1503412	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	11/24/1955
Sec. Water Use:	0	**Selected Flag:**	1
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	2415
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	011
Well Depth:		**Concession:**	04
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:	10025455	**Spatial Status:**	
DP2BR:	18	**Cluster Kind:**	
Code OB:	r	**UTMRC:**	5
Code OB Desc:	Bedrock	**UTMRC Desc:**	margin of error : 100 m - 300 m
Open Hole:		**Location Method:**	p5
Elevation:	77.329017	**Org CS:**	
Elevrc:		**Date Completed:**	11/12/1955
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930996770
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0.00
Formation End Depth:	1.00
Formation End Depth UOM:	ft

Formation ID:	930996771
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	

Other Materials:	
Formation Top Depth:	1.00
Formation End Depth:	18.00
Formation End Depth UOM:	ft
Formation ID:	930996772
Layer:	3
Color:	2
General Color:	GREY
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	18.00
Formation End Depth:	48.00
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961503412
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10574025
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930043659
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	21.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID:	930043660
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	48.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991503412
Pump Set At:	
Static Level:	6.00
Final Level After Pumping:	22.00

Recommended Pump Depth:	
Pumping Rate:	5.00
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	N

Water Details

Water ID:	933456316
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	28.00
Water Found Depth UOM:	ft

Water ID:	933456317
Layer:	2
Kind Code:	5
Kind:	Not stated
Water Found Depth:	40.00
Water Found Depth UOM:	ft

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14 ***1 of 1*** ***NNE/102.3*** ***70.9 / -8.53*** ***121 STREAMSIDE CRESCENT KANATA ON K2W 0A9*** ***HINC***

External File Num:	FS INC 0808-04438
Date of Occurrence:	8/5/2008
Fuel Occurrence Type:	Pipeline Strike
Fuel Type Involved:	Natural Gas
Status Desc::	Completed - Causal Analysis(End)
Job Type Desc::	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved::	Private Dwelling
Service Interruptions::	Yes
Property Damage::	No
Fuel Life Cycle Stage::	Utilization
Root Cause::	Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:Yes Training:No Management:No Human Factors:No
Reported Details::	
Fuel Category::	Gaseous Fuel
Occurrence Type::	Incident
Affiliation::	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name::	Ottawa
Approx. Quant. Rel::	
Nearby body of water::	
Enter Drainage Syst.::	
Approx. Quant. Unit::	
Environmental Impact::	

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15 ***1 of 2*** ***W/113.1*** ***79.9 / 0.47*** ***ON*** ***BORE***

Borehole ID:	609821	***Type:***	Borehole
Use:		***Status::***	
Drill Method::		***UTM Zone::***	18
Easting::	426811	***Northing::***	5023102

Location Accuracy::		***Orig. Ground Elev m::***	77.7
Elev. Reliability Note::		***DEM Ground Elev m::***	76.3
Total Depth m::	17.7	***Primary Name::***	
Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::	JUL-1971	***Static Water Level::***	-999.9
Primary Water Use::		***Sec. Water Use::***	

--Details--

Stratum ID:	218384172	***Top Depth(m):***	0.0
Bottom Depth(m):	4.9	***Stratum Desc:***	CLAY. GREY.
Stratum ID:	218384173	***Top Depth(m):***	4.9
Bottom Depth(m):	17.7	***Stratum Desc:***	SANDSTONE. WHITE. 0005800075 SEISMIC VELOCITY = 14600. FEET.BLACK. LIMESTONE. BLUE.

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15 ***2 of 2*** ***W/113.1*** ***79.9 / 0.47*** ***lot 11 con 4 ON*** ***WWIS***

Well ID:	1511444	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/8/1971
Sec. Water Use:	0	***Selected Flag:***	1
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3644
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	MARCH TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	011
Well Depth:		***Concession:***	04
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:	10033439	***Spatial Status:***	
DP2BR:	16	***Cluster Kind:***	
Code OB:	r	***UTMRC:***	4
Code OB Desc:	Bedrock	***UTMRC Desc:***	margin of error : 30 m - 100 m
Open Hole:		***Location Method:***	p4
Elevation:	76.334289	***Org CS:***	
Elevrc:		***Date Completed:***	7/7/1971
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID: 931017729

Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0.00
Formation End Depth: 16.00
Formation End Depth UOM: ft

Formation ID: 931017730
Layer: 2
Color: 1
General Color: WHITE
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 16.00
Formation End Depth: 58.00
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961511444
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10582009
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930059379
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 21.00
Casing Diameter: 5.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Casing ID: 930059380
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 58.00
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	991511444
Pump Set At:	
Static Level:	6.00
Final Level After Pumping:	15.00
Recommended Pump Depth:	20.00
Pumping Rate:	21.00
Flowing Rate:	
Recommended Pump Rate:	10.00
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934098107
Test Type:	Draw Down
Test Duration:	15
Test Level:	12.00
Test Level UOM:	ft
Pump Test Detail ID:	934382371
Test Type:	Draw Down
Test Duration:	30
Test Level:	15.00
Test Level UOM:	ft
Pump Test Detail ID:	934643950
Test Type:	Draw Down
Test Duration:	45
Test Level:	15.00
Test Level UOM:	ft
Pump Test Detail ID:	934901288
Test Type:	Draw Down
Test Duration:	60
Test Level:	15.00
Test Level UOM:	ft

Water Details

Water ID:	933466592
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	58.00
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
16	*1 of 1*	*WSW/120.4*	*79.8 / 0.39*	***Riotrin Properties (March Road) Inc.*** ***830 March Rd 1095 Klondike Road*** ***Ottawa ON***	*CA*

Certificate #:	5973-8DVJXN
Application Year:	2011
Issue Date:	2/28/2011

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

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::

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17 | **1 of 1** | **S/125.6** | **75.8 / -3.57** | **788 March Road Kanata ON** | **EHS**

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20090601011
Addit. Info Ordered:: Fire Insur. Maps and/or Sire Plans
Report Date: 6/4/2009
Report Type: Standard Report
Search Radius (km): 0.25

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18 | **1 of 1** | **ESE/127.9** | **79.9 / 0.50** | **lot 10 con 4 KANATA ON** | **WWIS**

Well ID: 1536259
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: Z39252
Tag: A035430
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: 3/20/2006
Selected Flag: 1
Abandonment Rec:
Contractor: 1558
Form Version: 3
Owner:
Street Name: 351 SANDHILL RD
County: OTTAWA-CARLETON
Municipality: MARCH TOWNSHIP
Site Info:
Lot: 010
Concession: 04
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11550325
DP2BR: 32
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Elevation: 75.392097
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:

Spatial Status:
Cluster Kind:
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr
Org CS: UTM83
Date Completed: 2/1/2006

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

Overburden and Bedrock Materials Interval

Formation ID: 933044822
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0.00
Formation End Depth: 3.65
Formation End Depth UOM: m

Formation ID: 933044823
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Other Materials: STONES
Mat3:
Other Materials:
Formation Top Depth: 3.65
Formation End Depth: 9.75
Formation End Depth UOM: m

Formation ID: 933044824
Layer: 3
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 9.75
Formation End Depth: 38.09
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 933288174
Layer: 1
Plug From: 11.88
Plug To: 0.00
Plug Depth UOM: m

Plug ID: 933288175
Layer: 2
Plug From:
Plug To:
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID:	961536259
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	11559932
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930875664
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-0.45
Depth To:	11.88
Casing Diameter:	15.86
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Casing ID:	930875665
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	11.88
Depth To:	38.09
Casing Diameter:	
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Results of Well Yield Testing

Pump Test ID:	11569389
Pump Set At:	22.85
Static Level:	2.45
Final Level After Pumping:	4.02
Recommended Pump Depth:	22.85
Pumping Rate:	54.60
Flowing Rate:	
Recommended Pump Rate:	45.50
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	

Draw Down & Recovery

Pump Test Detail ID:	11593802
Test Type:	Draw Down
Test Duration:	1

Test Level: 3.30
Test Level UOM: m

Pump Test Detail ID: 11593803
Test Type: Recovery
Test Duration: 1
Test Level: 3.34
Test Level UOM: m

Pump Test Detail ID: 11593804
Test Type: Draw Down
Test Duration: 2
Test Level: 3.38
Test Level UOM: m

Pump Test Detail ID: 11593805
Test Type: Recovery
Test Duration: 2
Test Level: 3.12
Test Level UOM: m

Pump Test Detail ID: 11593807
Test Type: Recovery
Test Duration: 3
Test Level: 2.97
Test Level UOM: m

Pump Test Detail ID: 11593806
Test Type: Draw Down
Test Duration: 3
Test Level: 3.43
Test Level UOM: m

Pump Test Detail ID: 11593808
Test Type: Draw Down
Test Duration: 4
Test Level: 3.55
Test Level UOM: m

Pump Test Detail ID: 11593809
Test Type: Recovery
Test Duration: 4
Test Level: 2.85
Test Level UOM: m

Pump Test Detail ID: 11593811
Test Type: Recovery
Test Duration: 5
Test Level: 2.71
Test Level UOM: m

Pump Test Detail ID: 11593810
Test Type: Draw Down
Test Duration: 5
Test Level: 3.64
Test Level UOM: m

Pump Test Detail ID: 11593812
Test Type: Draw Down
Test Duration: 10
Test Level: 3.73
Test Level UOM: m

Pump Test Detail ID: 11593813
Test Type: Recovery
Test Duration: 10

Test Level: 2.61
Test Level UOM: m

Pump Test Detail ID: 11593815
Test Type: Recovery
Test Duration: 15
Test Level: 2.55
Test Level UOM: m

Pump Test Detail ID: 11593814
Test Type: Draw Down
Test Duration: 15
Test Level: 3.81
Test Level UOM: m

Pump Test Detail ID: 11593817
Test Type: Recovery
Test Duration: 20
Test Level: 2.83
Test Level UOM: m

Pump Test Detail ID: 11593816
Test Type: Draw Down
Test Duration: 20
Test Level: 3.88
Test Level UOM: m

Pump Test Detail ID: 11593818
Test Type: Draw Down
Test Duration: 25
Test Level: 3.91
Test Level UOM: m

Pump Test Detail ID: 11593819
Test Type: Recovery
Test Duration: 25
Test Level: 2.52
Test Level UOM: m

Pump Test Detail ID: 11593821
Test Type: Recovery
Test Duration: 30
Test Level: 2.52
Test Level UOM: m

Pump Test Detail ID: 11593820
Test Type: Draw Down
Test Duration: 30
Test Level: 3.93
Test Level UOM: m

Pump Test Detail ID: 11593823
Test Type: Recovery
Test Duration: 40
Test Level: 2.51
Test Level UOM: m

Pump Test Detail ID: 11593822
Test Type: Draw Down
Test Duration: 40
Test Level: 3.99
Test Level UOM: m

Pump Test Detail ID: 11593825
Test Type: Recovery
Test Duration: 50

Test Level:	2.51
Test Level UOM:	m
Pump Test Detail ID:	11593824
Test Type:	Draw Down
Test Duration:	50
Test Level:	4.01
Test Level UOM:	m
Pump Test Detail ID:	11593827
Test Type:	Recovery
Test Duration:	60
Test Level:	2.51
Test Level UOM:	m
Pump Test Detail ID:	11593826
Test Type:	Draw Down
Test Duration:	60
Test Level:	4.01
Test Level UOM:	m

Water Details

Water ID:	934073908
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	22.24
Water Found Depth UOM:	m
Water ID:	934073909
Layer:	2
Kind Code:	
Kind:	
Water Found Depth:	27.43
Water Found Depth UOM:	m
Water ID:	934073910
Layer:	3
Kind Code:	
Kind:	
Water Found Depth:	36.87
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	11681004
Diameter:	22.75
Depth From:	0.00
Depth To:	11.88
Hole Depth UOM:	m
Hole Diameter UOM:	cm
Hole ID:	11681005
Diameter:	15.23
Depth From:	11.88
Depth To:	38.09
Hole Depth UOM:	m
Hole Diameter UOM:	cm

19	***1 of 1***	***W/128.6***	***79.8 / 0.39***	***lot 10 con 3 KANATA ON***	***WWIS***

Well ID:	7105876	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	6/2/2008
Sec. Water Use:		**Selected Flag:**	1
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	1558
Casing Material:		**Form Version:**	4
Audit No:	Z77317	**Owner:**	
Tag:		**Street Name:**	846 MARCH ROAD
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
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:	1001605417	**Spatial Status:**	
DP2BR:		**Cluster Kind:**	
Code OB:		**UTMRC:**	3
Code OB Desc:		**UTMRC Desc:**	margin of error : 10 - 30 m
Open Hole:		**Location Method:**	wwr
Elevation:	76.619338	**Org CS:**	UTM83
Elevrc:		**Date Completed:**	3/3/2008
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1001701403
Layer:	1
Color:	
General Color:	
Mat1:	
Most Common Material:	
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0.00
Formation End Depth:	
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1001701404
Layer:	1
Plug From:	16.76
Plug To:	0.00
Plug Depth UOM:	m

Plug ID: 1001701405
Layer: 2
Plug From:
Plug To:
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1001701408
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1001701402
Casing No: 0
Comment:
Alt Name:

Construction Record - Screen

Screen ID: 1001701407
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM:
Screen Diameter UOM:
Screen Diameter:

Water Details

Water ID: 1001701406
Layer: 1
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

20	1 of 1	SSW/129.8	80.2 / 0.81	R.M. OF OTTAWA-CARLETON MARCH RD./KLONDIKE RD. (SWM) KANATA CITY ON	CA

Certificate #: 3-0836-97-
Application Year: 97
Issue Date: 8/11/1997
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
21	1 of 1	ESE/134.3	79.1 / -0.33	lot 10 con 4 KANATA ON	WWIS

Well ID:	1536260	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Domestic	**Date Received:**	3/20/2006
Sec. Water Use:		**Selected Flag:**	1
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1558
Casing Material:		**Form Version:**	3
Audit No:	Z39253	**Owner:**	
Tag:	A035438	**Street Name:**	351 SAND HILL RD
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	04
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:	11550326	**Spatial Status:**	
DP2BR:	31	**Cluster Kind:**	
Code OB:	r	**UTMRC:**	3
Code OB Desc:	Bedrock	**UTMRC Desc:**	margin of error : 10 - 30 m
Open Hole:		**Location Method:**	wwr
Elevation:	75.206916	**Org CS:**	UTM83
Elevrc:		**Date Completed:**	2/1/2006
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	933041309
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0.00
Formation End Depth:	3.35
Formation End Depth UOM:	m

Formation ID:	933041310
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05

Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	3.35
Formation End Depth:	9.44
Formation End Depth UOM:	m
Formation ID:	933041311
Layer:	3
Color:	2
General Color:	GREY
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	9.44
Formation End Depth:	38.09
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933288529
Layer:	1
Plug From:	11.88
Plug To:	0.00
Plug Depth UOM:	m
Plug ID:	933288530
Layer:	2
Plug From:	
Plug To:	
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	961536260
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	11559933
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930875938
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-0.45
Depth To:	11.88
Casing Diameter:	15.86

Casing Diameter UOM: cm
Casing Depth UOM: m

Casing ID: 930875939
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From: 11.88
Depth To: 38.09
Casing Diameter:
Casing Diameter UOM: cm
Casing Depth UOM: m

Results of Well Yield Testing

Pump Test ID: 11569390
Pump Set At: 22.85
Static Level: 2.13
Final Level After Pumping: 3.56
Recommended Pump Depth: 22.85
Pumping Rate: 54.60
Flowing Rate:
Recommended Pump Rate: 45.50
Levels UOM: m
Rate UOM: LPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method:
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 11594098
Test Type: Recovery
Test Duration: 1
Test Level: 2.69
Test Level UOM: m

Pump Test Detail ID: 11594097
Test Type: Draw Down
Test Duration: 1
Test Level: 3.00
Test Level UOM: m

Pump Test Detail ID: 11594100
Test Type: Recovery
Test Duration: 2
Test Level: 2.58
Test Level UOM: m

Pump Test Detail ID: 11594099
Test Type: Draw Down
Test Duration: 2
Test Level: 3.11
Test Level UOM: m

Pump Test Detail ID: 11594101
Test Type: Draw Down
Test Duration: 3
Test Level: 3.17
Test Level UOM: m

Pump Test Detail ID: 11594102
Test Type: Recovery
Test Duration: 3
Test Level: 2.47
Test Level UOM: m

Pump Test Detail ID: 11594104
Test Type: Recovery
Test Duration: 4
Test Level: 2.36
Test Level UOM: m

Pump Test Detail ID: 11594103
Test Type: Draw Down
Test Duration: 4
Test Level: 3.21
Test Level UOM: m

Pump Test Detail ID: 11594105
Test Type: Draw Down
Test Duration: 5
Test Level: 3.24
Test Level UOM: m

Pump Test Detail ID: 11594161
Test Type: Recovery
Test Duration: 5
Test Level: 2.30
Test Level UOM: m

Pump Test Detail ID: 11594162
Test Type: Draw Down
Test Duration: 10
Test Level: 3.33
Test Level UOM: m

Pump Test Detail ID: 11594163
Test Type: Recovery
Test Duration: 10
Test Level: 2.22
Test Level UOM: m

Pump Test Detail ID: 11594165
Test Type: Recovery
Test Duration: 15
Test Level: 2.11
Test Level UOM: m

Pump Test Detail ID: 11594164
Test Type: Draw Down
Test Duration: 15
Test Level: 3.42
Test Level UOM: m

Pump Test Detail ID: 11594167
Test Type: Recovery
Test Duration: 20
Test Level: 2.15
Test Level UOM: m

Pump Test Detail ID: 11594166
Test Type: Draw Down
Test Duration: 20
Test Level: 3.47
Test Level UOM: m

Pump Test Detail ID: 11594169
Test Type: Recovery
Test Duration: 25
Test Level: 2.14
Test Level UOM: m

Pump Test Detail ID: 11594168
Test Type: Draw Down
Test Duration: 25
Test Level: 3.48
Test Level UOM: m

Pump Test Detail ID: 11594171
Test Type: Recovery
Test Duration: 30
Test Level: 2.14
Test Level UOM: m

Pump Test Detail ID: 11594170
Test Type: Draw Down
Test Duration: 30
Test Level: 3.50
Test Level UOM: m

Pump Test Detail ID: 11594172
Test Type: Draw Down
Test Duration: 40
Test Level: 3.52
Test Level UOM: m

Pump Test Detail ID: 11594173
Test Type: Recovery
Test Duration: 40
Test Level: 2.14
Test Level UOM: m

Pump Test Detail ID: 11594175
Test Type: Recovery
Test Duration: 50
Test Level: 2.14
Test Level UOM: m

Pump Test Detail ID: 11594174
Test Type: Draw Down
Test Duration: 50
Test Level: 3.53
Test Level UOM: m

Pump Test Detail ID: 11594176
Test Type: Draw Down
Test Duration: 60
Test Level: 3.53
Test Level UOM: m

Pump Test Detail ID: 11594177
Test Type: Recovery
Test Duration: 60
Test Level: 2.14
Test Level UOM: m

Water Details

Water ID: 934073913
Layer: 1
Kind Code:

Kind:
Water Found Depth: 14.62
Water Found Depth UOM: m

Water ID: 934073912
Layer: 2
Kind Code:
Kind:
Water Found Depth: 28.04
Water Found Depth UOM: m

Water ID: 934073911
Layer: 3
Kind Code:
Kind:
Water Found Depth: 37.18
Water Found Depth UOM: m

Hole Diameter

Hole ID: 11681007
Diameter: 22.75
Depth From: 0.00
Depth To: 11.88
Hole Depth UOM: m
Hole Diameter UOM: cm

Hole ID: 11681006
Diameter: 15.23
Depth From: 11.88
Depth To: 38.09
Hole Depth UOM: m
Hole Diameter UOM: cm

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22 ***1 of 2*** ***S/136.0*** ***73.5 / -5.86*** ***KANATA ON*** ***WWIS***

Well ID:	7141731	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:		***Date Received:***	3/19/2010
Sec. Water Use:		***Selected Flag:***	1
Final Well Status:	Abandoned Monitoring and Test Hole	***Abandonment Rec:***	
Water Type:		***Contractor:***	1844
Casing Material:		***Form Version:***	5
Audit No:	M05569	***Owner:***	
Tag:	A074647	***Street Name:***	788 MARCH RD
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	MARCH 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:	1003285096	***Spatial Status:***	
DP2BR:		***Cluster Kind:***	This is a record from cluster log sheet
Code OB:		***UTMRC:***	4

Code OB Desc:
Open Hole:
Elevation: 76.392036
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr
Org CS: UTM83
Date Completed: 2/15/2010

Annular Space/Abandonment Sealing Record

Plug ID: 1003285100
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID: 1003285099
Method Construction Code:
Method Construction:
Other Method Construction:

Hole Diameter

Hole ID: 1003285098
Diameter:
Depth From:
Depth To: 5.80
Hole Depth UOM: m
Hole Diameter UOM:

Bore Hole Information

Bore Hole ID: 1002951127
DP2BR:
Code OB:
Code OB Desc:
Open Hole: N
Elevation: 75.5988
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Spatial Status:
Cluster Kind:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr
Org CS: UTM83
Date Completed: 2/15/2010

Annular Space/Abandonment Sealing Record

Plug ID: 1003285106
Layer: 1
Plug From: 0.00
Plug To: 5.70

Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1003285107
Method Construction Code:
Method Construction:
Other Method Construction:

Hole Diameter

Hole ID: 1003285105
Diameter: 20.00
Depth From: 0.00
Depth To: 5.70
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1003285101
DP2BR:
Code OB:
Code OB Desc:
Open Hole:
Elevation: 72.841773
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Spatial Status:
Cluster Kind: This is a record from cluster log sheet
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr
Org CS: UTM83
Date Completed: 2/15/2010

Method of Construction & Well Use

Method Construction ID: 1003285104
Method Construction Code:
Method Construction:
Other Method Construction:

Hole Diameter

Hole ID: 1003285103
Diameter:
Depth From:
Depth To: 5.70
Hole Depth UOM: m
Hole Diameter UOM:

22	2 of 2	S/136.0	73.5 / -5.86	Ottawa ON	WWIS

Well ID: 7128487
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:
Final Well Status: Test Hole

Data Entry Status:
Data Src:
Date Received: 8/31/2009
Selected Flag: 1
Abandonment Rec:

Water Type:		***Contractor:***	1844
Casing Material:		***Form Version:***	5
Audit No:	M04496	***Owner:***	
Tag:	A074647	***Street Name:***	788 MARCH ROAD
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY
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:	1002697162	***Spatial Status:***	
DP2BR:		***Cluster Kind:***	
Code OB:		***UTMRC:***	4
Code OB Desc:		***UTMRC Desc:***	margin of error : 30 m - 100 m
Open Hole:	N	***Location Method:***	wwr
Elevation:	75.5988	***Org CS:***	UTM83
Elevrc:		***Date Completed:***	6/18/2009
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1002817525
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0.00
Formation End Depth:	0.20
Formation End Depth UOM:	m

Formation ID:	1002817526
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	11
Other Materials:	GRAVEL
Mat3:	61
Other Materials:	CLAYEY
Formation Top Depth:	0.20
Formation End Depth:	1.80
Formation End Depth UOM:	m

Formation ID:	1002817527
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Other Materials:	GRAVEL
Mat3:	
Other Materials:	
Formation Top Depth:	1.80
Formation End Depth:	5.70
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1002817529
Layer:	1
Plug From:	0.00
Plug To:	2.00
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1002817533
Method Construction Code:	F
Method Construction:	H.S.A.
Other Method Construction:	

Pipe Information

Pipe ID:	1002817524
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1002817530
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.00
Depth To:	2.70
Casing Diameter:	5.10
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1002817531
Layer:	1
Slot:	10
Screen Top Depth:	
Screen End Depth:	
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	5.80

Hole Diameter

Hole ID:	1002817528
Diameter:	20.00
Depth From:	0.00
Depth To:	5.70
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Bore Hole Information

Bore Hole ID:	1002817515	***Spatial Status:***	
DP2BR:		***Cluster Kind:***	This is a record from cluster log sheet
Code OB:		***UTMRC:***	3
Code OB Desc:		***UTMRC Desc:***	margin of error : 10 - 30 m
Open Hole:		***Location Method:***	wwr
Elevation:	72.841773	***Org CS:***	UTM83
Elevrc:		***Date Completed:***	6/19/2009
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1002817519
Layer:	
Plug From:	
Plug To:	
Plug Depth UOM:	

Method of Construction & Well Use

Method Construction ID:	1002817518
Method Construction Code:	
Method Construction:	
Other Method Construction:	HSA

Pipe Information

Pipe ID:	1002817520
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1002817522
Layer:	
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	
Depth To:	2.60
Casing Diameter:	
Casing Diameter UOM:	
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1002817521
Layer:	
Slot:	
Screen Top Depth:	2.60
Screen End Depth:	5.70
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID:	1002817523
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:	1002817517
Diameter:	20.00
Depth From:	
Depth To:	5.70
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Bore Hole Information

Bore Hole ID:	1002817506	***Spatial Status:***	
DP2BR:		***Cluster Kind:***	This is a record from cluster log sheet
Code OB:		***UTMRC:***	3
Code OB Desc:		***UTMRC Desc:***	margin of error : 10 - 30 m
Open Hole:		***Location Method:***	wwr
Elevation:	76.392036	***Org CS:***	UTM83
Elevrc:		***Date Completed:***	6/18/2009
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1002817510

Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID: 1002817509
Method Construction Code:
Method Construction:
Other Method Construction: HSA

Pipe Information

Pipe ID: 1002817511
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002817513
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 2.80
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002817512
Layer:
Slot:
Screen Top Depth: 2.80
Screen End Depth: 5.80
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1002817514
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:	1002817508
Diameter:	20.00
Depth From:	
Depth To:	5.80
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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23 ***1 of 1*** ***SW/138.9*** ***78.8 / -0.61*** ***lot 10 con 3 KANATA ON*** ***WWIS***

Well ID:	1536169	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:		***Date Received:***	1/13/2006
Sec. Water Use:		***Selected Flag:***	1
Final Well Status:		***Abandonment Rec:***	Yes
Water Type:		***Contractor:***	1558
Casing Material:		***Form Version:***	3
Audit No:	Z39220	***Owner:***	
Tag:		***Street Name:***	821 MARCH ROAD
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	MARCH TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	010
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:	11550235	***Spatial Status:***	
DP2BR:		***Cluster Kind:***	
Code OB:	_	***UTMRC:***	3
Code OB Desc:	No formation data	***UTMRC Desc:***	margin of error : 10 - 30 m
Open Hole:		***Location Method:***	wwr
Elevation:	77.527122	***Org CS:***	UTM83
Elevrc:		***Date Completed:***	11/29/2005
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	933294848
Layer:	1
Plug From:	10.97
Plug To:	0.00
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID: 961536169
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 11559842
Casing No: 1
Comment:
Alt Name:

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24 | ***1 of 1*** | ***SSW/141.8*** | ***80.1 / 0.75*** | ***lot 11 con 3 ON*** | ***WWIS***

Well ID: 1518190
Construction Date:
Primary Water Use: Municipal
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 4/5/1983
Selected Flag: 1
Abandonment Rec:
Contractor: 1504
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: MARCH TOWNSHIP
Site Info:
Lot: 011
Concession: 03
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10040060
DP2BR: 20
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Elevation: 77.21659
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Spatial Status:
Cluster Kind:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4
Org CS:
Date Completed: 6/14/1982

Overburden and Bedrock Materials Interval

Formation ID: 931037653
Layer: 1
Color: 5
General Color: YELLOW
Mat1: 05

Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0.00
Formation End Depth:	18.00
Formation End Depth UOM:	ft

Formation ID:	931037654
Layer:	2
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	18.00
Formation End Depth:	20.00
Formation End Depth UOM:	ft

Formation ID:	931037655
Layer:	3
Color:	1
General Color:	WHITE
Mat1:	21
Most Common Material:	GRANITE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	20.00
Formation End Depth:	35.00
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961518190
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	10588630
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930069953
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	24.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Casing ID: 930069954
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 35.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991518190
Pump Set At:
Static Level: 11.00
Final Level After Pumping: 30.00
Recommended Pump Depth: 30.00
Pumping Rate: 80.00
Flowing Rate:
Recommended Pump Rate: 80.00
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: 934103509
Test Type: Recovery
Test Duration: 15
Test Level: 11.00
Test Level UOM: ft

Pump Test Detail ID: 934378261
Test Type: Recovery
Test Duration: 30
Test Level: 11.00
Test Level UOM: ft

Pump Test Detail ID: 934639319
Test Type: Recovery
Test Duration: 45
Test Level: 11.00
Test Level UOM: ft

Pump Test Detail ID: 934897363
Test Type: Recovery
Test Duration: 60
Test Level: 11.00
Test Level UOM: ft

Water Details

Water ID: 933474849
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 35.00

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

25 **1 of 2** **SSW/149.2** **80.1 / 0.75** **J TIERNEY JIMS GAS BAR** **EXP**
1111 KLONDIKE RD LOT 11 CON 3
KANATA ON P7B 6C2

Instance No:	9818157
Instance ID:	
Instance Type:	FS Facility
Description:	
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	12/2/2009 13:34

25 **2 of 2** **SSW/149.2** **80.1 / 0.75** **J TIERNEY JIMS GAS BAR** **PRT**
1111 KLONDIKE RD LOT 11 CON 3
KANATA ON

Location ID:	6727
Type:	retail
Expiry Date:	1990-12-31
Capacity (L):	0
Licence #:	0055662001

26 **1 of 1** **S/152.4** **80.6 / 1.23** **lot 10 con 4** **WWIS**
ON

Well ID:	1503411	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	3/5/1956
Sec. Water Use:	0	**Selected Flag:**	1
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3705
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	04
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:	10025454	**Spatial Status:**	
DP2BR:	18	**Cluster Kind:**	
Code OB:	r	**UTMRC:**	9
Code OB Desc:	Bedrock	**UTMRC Desc:**	unknown UTM
Open Hole:		**Location Method:**	p9
Elevation:	76.521095	**Org CS:**	
Elevrc:		**Date Completed:**	11/2/1955
Remarks:			
Elevrc Desc:			

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

Overburden and Bedrock Materials Interval

Formation ID: 930996768
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 02
Other Materials: TOPSOIL
Mat3:
Other Materials:
Formation Top Depth: 0.00
Formation End Depth: 18.00
Formation End Depth UOM: ft

Formation ID: 930996769
Layer: 2
Color:
General Color:
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 18.00
Formation End Depth: 80.00
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961503411
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574024
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930043657
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 35.00
Casing Diameter: 6.00
Casing Diameter UOM: inch

Casing Depth UOM: ft

Casing ID: 930043658
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 80.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991503411
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing: Y

Water Details

Water ID: 933456315
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 60.00
Water Found Depth UOM: ft

---

27 ***1 of 11*** ***W/158.1*** ***81.2 / 1.78*** ***Kanata North Medical Centre*** ***GEN***
832 March Rd, Unit #2
Kanata ON K2W 0C9

Generator No.: ON7004518
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

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

--Details--
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

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27 ***2 of 11*** ***W/158.1*** ***81.2 / 1.78*** ***Pharmx Rexall Drug Stores Ltd.*** ***GEN***
832 March Road
Kanata ON K2W 0C9

Generator No.: ON4438177

PO Box No.:

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

Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 446110
SIC Description: 446110

Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Jennifer Lamch
Phone No. Admin: 9055017800 Ext.6178

--Details--
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

---

27 ***3 of 11*** ***W/158.1*** ***81.2 / 1.78***

Kanata North Medical Centre
832 March Rd, Unit #2
Kanata ON K2W 0C9

GEN

Generator No.: ON7004518
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

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

--Details--
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

---

27 ***4 of 11*** ***W/158.1*** ***81.2 / 1.78***

Rexall Pharmacy Group Ltd.
832 March Road
Kanata ON K2W 0C9

GEN

Generator No.: ON4438177
Status: Registered
Approval Years: As of Dec 2017
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

--Details--
Waste Code: 261 A
Waste Description: Pharmaceuticals

Waste Code: 312 P
Waste Description: Pathological wastes

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27 ***5 of 11*** ***W/158.1*** ***81.2 / 1.78***

Kanata North Medical Centre
832 March Rd, Unit #2
Kanata ON K2W 0C9

GEN

Generator No.: ON7004518
Status: Registered
Approval Years: As of Dec 2017
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

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

--Details--
Waste Code: 312 P
Waste Description: Pathological wastes

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27 ***6 of 11*** ***W/158.1*** ***81.2 / 1.78*** ***Kanata North Medical Centre*** ***GEN***
832 March Rd, Unit #2
Kanata ON K2W 0C9

Generator No.: ON7004518
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

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

--Details--
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

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27 ***7 of 11*** ***W/158.1*** ***81.2 / 1.78*** ***Pharmx Rexall Drug Stores Ltd.*** ***GEN***
832 March Road
Kanata ON K2W 0C9

Generator No.: ON4438177
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 446110
SIC Description: 446110

PO Box No.:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Jennifer Lamch
Phone No. Admin: 9055017800 Ext.6178

--Details--
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

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27 ***8 of 11*** ***W/158.1*** ***81.2 / 1.78*** ***Rexall Pharmacy Group Ltd.*** ***GEN***
832 March Road
Kanata ON K2W 0C9

Generator No.: ON4438177
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 446110
SIC Description: 446110

PO Box No.:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Erik Botines
Phone No. Admin: 9055017800 Ext.

--Details--
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 261
Waste Description: PHARMACEUTICALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
27	9 of 11	W/158.1	81.2 / 1.78	Kanata North Medical Centre 832 March Rd, Unit #2 Kanata ON K2W 0C9	GEN

Generator No.: ON7004518
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 621110
SIC Description:

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
27	10 of 11	W/158.1	81.2 / 1.78	Kanata North Medical Centre 832 March Rd, Unit #2 Kanata ON	GEN

Generator No.: ON7004518
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

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

--Details--
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
27	11 of 11	W/158.1	81.2 / 1.78	Kanata North Medical Centre 832 March Rd, Unit #2 Kanata ON K2W 0C9	GEN

Generator No.: ON7004518
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 621110
SIC Description: Offices of Physicians

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
28	1 of 1	S/163.7	75.5 / -3.85	Imperial Oil Limited 1092 Klondike Road and 788 March Road, Kanata, Ontario K2K 1X7 Kanata ON K2K 1X7	RSC

Reg No: 63910
RA No:
RSC Type:
Curr Property Use: Agriculture/Other
District Office: OTTAWA
Date Submitted: 29-Jan-10
Date Ack:
Date Returned:
Restoration Type:
Soil Type:
Criteria:
Asmt Roll No: 06-14-300-816-22700
Prop. ID No: 04517-0801(LT)
CPU Issued Sect 1686: No
Property Municipal Address: 1092 Klondike Road and 788 March Road, Kanata, Ontario K2K 1X7

Cert Date: 25-Jun-09
Cert Prop Use No: No CPU
Intended Prop Use: Community
Nm of Qual. Person: Ed Charlton
Stratified (Y/N):
Audit (Y/N):
Entire Leg Prop. (Y/N): No
Accuracy Estimate: 21 to 100 meters
Telephone: 416-4417389
Fax: 416-4417400
Email: ed.m.charlton@esso.ca

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

Mailing Address:	90 WYNFORD AVE, TORONTO, ON, M3C 1K5
Latitude & Latitude:	45.35480640N 75.93137370W (converted from UTM)
UTM Coordinates:	NAD83 18-427048-5022788
Consultant:	
Filing Owner:	
Legal Desc:	Entire Legal Description: Part of Lot 10, Concession 4, as in N6B1746, save and except Part 1, Plan 4D95; Kanata. RSC Legal Description: Part of Lot 10, Concession 4, Geographic Township of March, being Part 1, 4R-24176, Ottawa.
Measurement Method:	Digitized from a map
Applicable Standards:	Full Depth Site Conditions Standard, with Potable Ground Water, Medium/Fine Textured Soil, for Industrial/Commercial/Community property use
RSC PDF:	

29	1 of 1	E/164.1	75.9 / -3.53	1032 Klondike Road Kanata ON K2K 0H9	EHS

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20130910010
Addit. Info Ordered::	Fire Insur. Maps and/or Site Plans; Title Searches
Report Date:	18-SEP-13
Report Type:	Standard Report
Search Radius (km):	.25

30	1 of 2	S/172.6	80.6 / 1.23	ON	BORE

Borehole ID:	609813	**Type:**	Borehole
Use:		**Status::**	
Drill Method::		**UTM Zone::**	18
Easting::	427011	**Northing::**	5022772
Location Accuracy::		**Orig. Ground Elev m::**	77.7
Elev. Reliability Note::		**DEM Ground Elev m::**	76.1
Total Depth m::	20.4	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	APR-1971	**Static Water Level::**	-13
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	218384154	**Top Depth(m):**	0.0
Bottom Depth(m):	0.9	**Stratum Desc:**	SOIL.
Stratum ID:	218384155	**Top Depth(m):**	0.9
Bottom Depth(m):	6.1	**Stratum Desc:**	CLAY.
Stratum ID:	218384156	**Top Depth(m):**	6.1
Bottom Depth(m):	6.4	**Stratum Desc:**	GRAVEL.
Stratum ID:	218384157	**Top Depth(m):**	6.4
Bottom Depth(m):	20.4	**Stratum Desc:**	SANDSTONE. WHITE. 00067. WATER STABLE AT 298.0 FEET.BLACK. LIMESTONE. BLUE. SANDSTONE.

30	2 of 2	S/172.6	80.6 / 1.23	lot 10 con 4 ON	WWIS

Well ID:	1511120	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	4/21/1971
Sec. Water Use:	0	**Selected Flag:**	1
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	04
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:	10033117	**Spatial Status:**	
DP2BR:	21	**Cluster Kind:**	
Code OB:	r	**UTMRC:**	4
Code OB Desc:	Bedrock	**UTMRC Desc:**	margin of error : 30 m - 100 m
Open Hole:		**Location Method:**	p4
Elevation:	76.093482	**Org CS:**	
Elevrc:		**Date Completed:**	4/2/1971
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931016736
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0.00
Formation End Depth:	3.00
Formation End Depth UOM:	ft

Formation ID:	931016737
Layer:	2
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	

Other Materials:	
Formation Top Depth:	3.00
Formation End Depth:	20.00
Formation End Depth UOM:	ft
Formation ID:	931016738
Layer:	3
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	20.00
Formation End Depth:	21.00
Formation End Depth UOM:	ft
Formation ID:	931016739
Layer:	4
Color:	1
General Color:	WHITE
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	21.00
Formation End Depth:	67.00
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961511120
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10581687
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930058764
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	24.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID:	930058765
Layer:	2
Material:	4

Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 67.00
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991511120
Pump Set At:
Static Level: 0.00
Final Level After Pumping: 5.00
Recommended Pump Depth: 30.00
Pumping Rate: 12.00
Flowing Rate:
Recommended Pump Rate: 10.00
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934097658
Test Type: Recovery
Test Duration: 15
Test Level: 0.00
Test Level UOM: ft

Pump Test Detail ID: 934380671
Test Type: Recovery
Test Duration: 30
Test Level: 0.00
Test Level UOM: ft

Pump Test Detail ID: 934642804
Test Type: Recovery
Test Duration: 45
Test Level: 0.00
Test Level UOM: ft

Pump Test Detail ID: 934899728
Test Type: Recovery
Test Duration: 60
Test Level: 0.00
Test Level UOM: ft

Water Details

Water ID: 933466196
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 62.00
Water Found Depth UOM: ft

Water ID: 933466197
Layer: 2

Kind Code: 1
Kind: FRESH
Water Found Depth: 67.00
Water Found Depth UOM: ft

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31 *1 of 2* *NW/177.8* *75.1 / -4.29* ***Klondike Developments Inc.***
870 March Rd and 1001 Klondike Road
Ottawa ON K2C 0P9 ***ECA***

Approval No: 0215-79MK7R
Status: Approved
Date: 2007-12-06
Record Type: ECA
Link Source: IDS
Project Type: Municipal Drinking Water Systems
Approval Type: ECA-Municipal Drinking Water Systems
Full Address:
Full PDF Link:
SWP Area Name:
MOE District:
City:
Latitude:
Longitude:

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31 *2 of 2* *NW/177.8* *75.1 / -4.29* ***Klondike Developments Inc.***
870 March Rd and 1001 Klondike Road
Ottawa ON K2C 0P9 ***ECA***

Approval No: 0048-79MQC5
Status: Approved
Date: 2007-12-06
Record Type: ECA
Link Source: IDS
Project Type: Municipal and Private Sewage Works
Approval Type: ECA-Municipal and Private Sewage Works
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3771-79KQRW-14.pdf
SWP Area Name:
MOE District:
City:
Latitude:
Longitude:

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32 *1 of 1* *W/191.0* *81.9 / 2.47* ***PRIVATE OWNER***
RESIDENCE AT 865 MARCH RD. (OWNER MR. WARD, 592-4814) STORAGE TANK/BARREL
OTTAWA CITY ON K2K 1X7 ***SPL***

Ref No: 72862
Contaminant Name:
Contaminant Code:
Contaminant Limit 1:
Contam. Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty:
MOE Reported Dt: 6/30/1992
Health/Env Conseq:
Incident Dt: 6/30/1992
Incident Cause: PIPE/HOSE LEAK
Incident Event:
Incident Reason: EQUIPMENT FAILURE
Incident Summary: FURNACE OIL TO GROUND FROM FILL PIPE AT PRIVATERESIDENCE.
Site Address:
Site Conc:
Site Lot:
Site County/District:
Site Municipality: 20101
Site Postal Code:
Sector Type:
Source Type:
Receiving Medium: LAND
Receiving Env:
Environment Impact: POSSIBLE
Nature of Impact: Soil Contamination
SAC Action Class:

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33 *1 of 5* *SSW/191.5* *81.9 / 2.47* ***2325225 Ontario Inc.***
1102 KLONDIKE ROAD, R R #1
KANATA ON K2K 1X7 ***GEN***

Generator No.: ON8411031
Status:
PO Box No.:
Country: Canada

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

Approval Years:	2016	**Choice of Contact:**	CO_ADMIN
Contam. Facility:	No	**Co Admin:**	NASTRAN NAJAFI-FARD
MHSW Facility:	No	**Phone No. Admin:**	4164931120 Ext.3218
SIC Code:	446110		
SIC Description:	446110		

--Details--

Waste Code:	261
Waste Description:	PHARMACEUTICALS
Waste Code:	312
Waste Description:	PATHOLOGICAL WASTES

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33 **2 of 5** **SSW/191.5** **81.9 / 2.47** **2325225 Ontario Inc.** **GEN**
1102 KLONDIKE ROAD, R R #1
KANATA ON K2K 1X7

Generator No.:	ON8411031	**PO Box No.:**	
Status:	Registered	**Country:**	Canada
Approval Years:	As of Dec 2017	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No. Admin:**	
SIC Code:			
SIC Description:			

--Details--

Waste Code:	261 A
Waste Description:	Pharmaceuticals
Waste Code:	312 P
Waste Description:	Pathological wastes

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33 **3 of 5** **SSW/191.5** **81.9 / 2.47** **G.G. Pharmacy Inc.** **GEN**
1102 KLONDIKE ROAD, R R #1
KANATA ON K2K 1X7

Generator No.:	ON8411031	**PO Box No.:**	
Status:		**Country:**	Canada
Approval Years:	2015	**Choice of Contact:**	CO_ADMIN
Contam. Facility:	No	**Co Admin:**	NASTRAN NAJAFI-FARD
MHSW Facility:	No	**Phone No. Admin:**	4164931120 Ext.3218
SIC Code:	446110		
SIC Description:	446110		

--Details--

Waste Code:	261
Waste Description:	PHARMACEUTICALS
Waste Code:	312
Waste Description:	PATHOLOGICAL WASTES

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33 **4 of 5** **SSW/191.5** **81.9 / 2.47** **G.G PHARMACY INC.** **PES**
1102 KLONDIKE RD
KANATA ON K2K1X7

Licence No.:	14783	**Operator Box:**	
Detail Licence No.:		**Operator Class:**	
Licence Type Code:	23	**Operator No.:**	

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

Licence Type:	Active Limited Vendor Licence	**Operator Type:**	
Licence Class:	01	**Operator Lot:**	
Licence Control:		**Oper Concession:**	
Trade Name:		**Operator Region:**	
Post Office Box:		**Operator District:**	
Lot:		**Operator County:**	
Concession:		**Oper Phone Area Cd:**	613
Region:		**Ext:**	
District:		**Oper Phone Number:**	5926010
County:		**Proponent Ext:**	

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33 | 5 of 5 | SSW/191.5 | 81.9 / 2.47 | G.G PHARMACY INC.
1102 KLONDIKE RD
KANATA ON K2K 0G1 | PES

Licence No.:		**Operator Box:**	
Detail Licence No.:		**Operator Class:**	
Licence Type Code:		**Operator No.:**	
Licence Type:	Vendor	**Operator Type:**	
Licence Class:		**Operator Lot:**	
Licence Control:		**Oper Concession:**	
Trade Name:		**Operator Region:**	
Post Office Box:		**Operator District:**	
Lot:		**Operator County:**	
Concession:		**Oper Phone Area Cd:**	
Region:		**Ext:**	
District:		**Oper Phone Number:**	
County:		**Proponent Ext:**	

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34 | 1 of 1 | SW/193.4 | 80.9 / 1.47 | lot 11 con 3
ON | WWIS

Well ID:	1530397	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	12/1/1998
Sec. Water Use:		**Selected Flag:**	1
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4875
Casing Material:		**Form Version:**	1
Audit No:	198116	**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	011
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:	10051932	**Spatial Status:**	
DP2BR:	0	**Cluster Kind:**	
Code OB:	r	**UTMRC:**	5
Code OB Desc:	Bedrock	**UTMRC Desc:**	margin of error : 100 m - 300 m
Open Hole:		**Location Method:**	gis
Elevation:	78.099708	**Org CS:**	

Elevrc: ***Date Completed:*** 10/21/1998
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931075366
Layer: 1
Color: 1
General Color: WHITE
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0.00
Formation End Depth: 90.00
Formation End Depth UOM: ft

Formation ID: 931075367
Layer: 2
Color: 8
General Color: BLACK
Mat1: 21
Most Common Material: GRANITE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 90.00
Formation End Depth: 160.00
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933115542
Layer: 1
Plug From: 18.00
Plug To: 0.00
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961530397
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10600502
Casing No: 1
Comment:

Alt Name:

Construction Record - Casing

Casing ID:	930090549
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	18.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Casing ID:	930090550
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	160.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991530397
Pump Set At:	
Static Level:	12.00
Final Level After Pumping:	50.00
Recommended Pump Depth:	140.00
Pumping Rate:	6.00
Flowing Rate:	
Recommended Pump Rate:	5.00
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:	934118384
Test Type:	Draw Down
Test Duration:	15
Test Level:	36.00
Test Level UOM:	ft

Pump Test Detail ID:	934393372
Test Type:	Draw Down
Test Duration:	30
Test Level:	43.00
Test Level UOM:	ft

Pump Test Detail ID:	934662522
Test Type:	Draw Down
Test Duration:	45
Test Level:	47.00
Test Level UOM:	ft

Pump Test Detail ID:	934902109
Test Type:	Draw Down
Test Duration:	60
Test Level:	50.00
Test Level UOM:	ft

Water Details

Water ID:	933490511
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	36.00
Water Found Depth UOM:	ft

Water ID:	933490512
Layer:	2
Kind Code:	5
Kind:	Not stated
Water Found Depth:	88.00
Water Found Depth UOM:	ft

Water ID:	933490513
Layer:	3
Kind Code:	5
Kind:	Not stated
Water Found Depth:	145.00
Water Found Depth UOM:	ft

35 | ***1 of 1*** | ***W/195.4*** | ***79.9 / 0.47*** | ***lot 11 con 4 KANATA ON*** | ***WWIS***

Well ID:	7112940	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	10/14/2008
Sec. Water Use:		**Selected Flag:**	1
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	1558
Casing Material:		**Form Version:**	7
Audit No:	Z84393	**Owner:**	
Tag:		**Street Name:**	856 MARCH RD.
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	011
Well Depth:		**Concession:**	04
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:	1001835759	**Spatial Status:**	
DP2BR:		**Cluster Kind:**	
Code OB:		**UTMRC:**	3
Code OB Desc:		**UTMRC Desc:**	margin of error : 10 - 30 m
Open Hole:		**Location Method:**	wwr
Elevation:	77.041603	**Org CS:**	UTM83
Elevrc:		**Date Completed:**	9/5/2008
Remarks:			

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

Annular Space/Abandonment Sealing Record

Plug ID: 1001937804
Layer: 1
Plug From:
Plug To:
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1001937808
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1001937801
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1001937806
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1001937807
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Water Details

Water ID: 1001937805
Layer:
Kind Code:
Kind:

Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1001937803
Diameter:
Depth From:
Depth To:
Hole Depth UOM: m
Hole Diameter UOM: cm

---

36 | ***1 of 1*** | ***SSW/219.0*** | ***83.3 / 3.89*** | ***lot 10 con 3 ON*** | ***WWIS***

Well ID:	1503347	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Commerical	***Date Received:***	3/28/1966
Sec. Water Use:	0	***Selected Flag:***	1
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4216
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	MARCH TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	010
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:	10025390	***Spatial Status:***	
DP2BR:	5	***Cluster Kind:***	
Code OB:	r	***UTMRC:***	5
Code OB Desc:	Bedrock	***UTMRC Desc:***	margin of error : 100 m - 300 m
Open Hole:		***Location Method:***	p5
Elevation:	78.034431	***Org CS:***	
Elevrc:		***Date Completed:***	2/25/1966
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID: 930996634
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY

Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0.00
Formation End Depth: 5.00
Formation End Depth UOM: ft

Formation ID: 930996635
Layer: 2
Color:
General Color:
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 5.00
Formation End Depth: 82.00
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961503347
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10573960
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930043532
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 10.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Casing ID: 930043533
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 82.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991503347

Pump Set At:	
Static Level:	35.00
Final Level After Pumping:	40.00
Recommended Pump Depth:	75.00
Pumping Rate:	10.00
Flowing Rate:	
Recommended Pump Rate:	10.00
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Water Details

Water ID:	933456241
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	82.00
Water Found Depth UOM:	ft

---

37 | ***1 of 1*** | ***W/221.6*** | ***81.6 / 2.17*** | ***lot 11 con 4 KANATA ON*** | ***WWIS***

Well ID:	7112943	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	10/14/2008
Sec. Water Use:		**Selected Flag:**	1
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	1558
Casing Material:		**Form Version:**	7
Audit No:	Z84392	**Owner:**	
Tag:		**Street Name:**	860 MARCH RD.
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	011
Well Depth:		**Concession:**	04
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:	1001835768	**Spatial Status:**	
DP2BR:		**Cluster Kind:**	
Code OB:		**UTMRC:**	3
Code OB Desc:		**UTMRC Desc:**	margin of error : 10 - 30 m
Open Hole:		**Location Method:**	wwr
Elevation:	77.300338	**Org CS:**	UTM83
Elevrc:		**Date Completed:**	9/5/2008
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			

Source Revision Comment:
Supplier Comment:

Annular Space/Abandonment Sealing Record

Plug ID: 1001937898
Layer: 1
Plug From:
Plug To:
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1001937902
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1001937895
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1001937900
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1001937901
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Water Details

Water ID: 1001937899
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1001937897
Diameter:
Depth From:
Depth To:
Hole Depth UOM: m
Hole Diameter UOM: cm

---

38 | ***1 of 1*** | ***WNW/228.2*** | ***79.2 / -0.22*** | ***886 March Road Ottawa ON K2K 1X7*** | ***EHS***

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20120611011
Addit. Info Ordered::
Report Date: 12-JUN-12
Report Type: Standard Select Report
Search Radius (km): .25

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39 | ***1 of 1*** | ***W/228.8*** | ***81.6 / 2.17*** | ***lot 11 con 4 ON*** | ***WWIS***

Well ID:	1503413	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	2/20/1962
Sec. Water Use:	0	***Selected Flag:***	1
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4825
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	MARCH TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	011
Well Depth:		***Concession:***	04
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:	10025456	***Spatial Status:***	
DP2BR:	22	***Cluster Kind:***	
Code OB:	r	***UTMRC:***	5
Code OB Desc:	Bedrock	***UTMRC Desc:***	margin of error : 100 m - 300 m
Open Hole:		***Location Method:***	p5
Elevation:	77.416564	***Org CS:***	
Elevrc:		***Date Completed:***	11/12/1961
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 930996773
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0.00
Formation End Depth: 16.00
Formation End Depth UOM: ft

Formation ID: 930996774
Layer: 2
Color:
General Color:
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 16.00
Formation End Depth: 22.00
Formation End Depth UOM: ft

Formation ID: 930996775
Layer: 3
Color:
General Color:
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 22.00
Formation End Depth: 38.00
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961503413
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574026
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930043661
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	24.00
Casing Diameter:	4.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Casing ID:	930043662
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	38.00
Casing Diameter:	4.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991503413
Pump Set At:	
Static Level:	10.00
Final Level After Pumping:	14.00
Recommended Pump Depth:	30.00
Pumping Rate:	6.00
Flowing Rate:	
Recommended Pump Rate:	5.00
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	N

Water Details

Water ID:	933456318
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	37.00
Water Found Depth UOM:	ft

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40 ***1 of 1*** ***WNW/240.7*** ***79.9 / 0.50*** ***McDonald's Restaurants of Canada Limited***
886 March Rd
Ottawa ON H9P 2V5 ***ECA***

Approval No:	2706-9MJQ5V	***SWP Area Name:***	
Status:	Approved	***MOE District:***	
Date:	2014-08-07	***City:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Longitude:***	
Project Type:	Municipal and Private Sewage Works		
Approval Type:	ECA-Municipal and Private Sewage Works		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/3363-9FZJC9-14.pdf		

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

41 *1 of 2* *WNW/246.0* *81.6 / 2.17* ***858 March Rd,Kanata ON*** ***PINC***

Incident ID:	2682198	***Health Impact:***	No
Incident No:	525800	***Environment Impact:***	No
Type:	FS-Pipeline Incident	***Property Damage:***	Yes
Status Code:	Pipeline Damage Reason Est	***Service Interupt:***	Yes
Fuel Occurrence Tp:	Pipeline Strike	***Enforce Policy:***	Yes
Fuel Type:	Natural Gas	***Public Relation:***	No
Tank Status:	RC Established	***Pipeline System:***	
Task No:	3215894	***Depth:***	
Spills Action Centre:		***Pipe Material:***	
Method Details:	E-mail	***PSIG:***	
Fuel Category:	Natural Gas	***Attribute Category:***	FS-Perform P-line Inc Invest
Date of Occurrence:	1/6/2011 0:00	***Regualtor Location:***	
Occurrence Start Date:	2011/02/09		
Operation Type:	Construction Site (including excavation)		
Pipeline Type:			
Regulator Type:			
Summary:	858 March Rd,Kanata - 1 1/4" PE Pipeline Hit		
Reported By:	Stiles, Jeff - Enbridge		
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)		
Occurrence Desc:	no locates with operator		
Damage Reason:	Excavation practices not sufficient		
Notes:			

41 *2 of 2* *WNW/246.0* *81.6 / 2.17* ***858 MARCH ROAD, KANATA ON K2W 0C9*** ***PINC***

Incident ID:	2685528	***Health Impact:***	
Incident No:	529122	***Environment Impact:***	
Type:	FS-Pipeline Incident	***Property Damage:***	
Status Code:	Pipeline Damage Reason Est	***Service Interupt:***	
Fuel Occurrence Tp:		***Enforce Policy:***	
Fuel Type:		***Public Relation:***	
Tank Status:		***Pipeline System:***	
Task No:		***Depth:***	
Spills Action Centre:	N/A	***Pipe Material:***	
Method Details:		***PSIG:***	
Fuel Category:	Heating Fuel	***Attribute Category:***	
Date of Occurrence:		***Regualtor Location:***	
Occurrence Start Date:			
Operation Type:			
Pipeline Type:			
Regulator Type:			
Summary:	858 MARCH ROAD, KANATA - 1 1/4" PIPELINE HIT		
Reported By:	JEFF STILES - ENBRIDGE OTTAWA		
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)		
Occurrence Desc:			
Damage Reason:			
Notes:			

42 *1 of 1* *NW/249.2* *78.9 / -0.53* ***ON*** ***BORE***

Borehole ID:	609828	***Type:***	Borehole
Use:		***Status::***	

Drill Method::		***UTM Zone::***	18
Easting::	426671	***Northing::***	5023332
Location Accuracy::		***Orig. Ground Elev m::***	76.2
Elev. Reliability Note::		***DEM Ground Elev m::***	75.4
Total Depth m::	-999	***Primary Name::***	
Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::		***Static Water Level::***	-999.9
Primary Water Use::		***Sec. Water Use::***	

--Details--

Stratum ID:	218384189	***Top Depth(m):***	0.0
Bottom Depth(m):	2.7	***Stratum Desc:***	SAND.
Stratum ID:	218384190	***Top Depth(m):***	2.7
Bottom Depth(m):	5.5	***Stratum Desc:***	CLAY. BLUE.
Stratum ID:	218384191	***Top Depth(m):***	5.5
Bottom Depth(m):		***Stratum Desc:***	BEDROCK,SANDSTONE. 64 VELOCITY = 14600. FEET.BLACK. LIMESTONE. BLUE. SANDSTO

Unplottable Summary

Total: 57 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 11 Con 3	Kanata ON	
CA	Morgan's Grant Subdivision Phase 6, 7 & 8	Lot 10, Concession 3	Ottawa ON	
CA	Morgan's Grant Subdivision Phase 9	Lot 10, Concession 3	Ottawa ON	
CA	Morgan's Grant Subdivision Phase 5B	Lot 10, Concession 3	Kanata ON	
CA		Lot 10, Concession 3	Kanata ON	
CA	Shirleys Brooke Drive	Lot 10, Concession 3	Kanata ON	
CA	Morgan's Grant Subdivision Phase 6, 7 & 8	Lot 10, Concession 3	Ottawa ON	
CA	Morgan's Grant Subdivision Phase 9	Lot 10, Concession 3	Ottawa ON	
CA		Lot 10, Concession 3	Kanata ON	
CA	Morgan's Grant Subdivision Phase 5B	Lot 10, Concession 3	Kanata ON	
CA		Part of Lot 10, Concession 3	Kanata ON	
CA		Part of Lot 10, Concession 3	Kanata ON	
CA	Canada Lands Company CLC Limited	Part of Lot 10, Concession 4, Rideau Front	Ottawa ON	
CA	Morgan's Grant	Part of Lot 11, Concession 3	Ottawa ON	
CA	Klondike Developments Inc.	870 March St and 1001 Klondike Road	Ottawa ON	
CA	R.M. OF OTTAWA-CARLETON	ONT.HYDRO ESMT/KLONDIKE RD.	KANATA CITY ON	
CA	R.M. OF OTTAWA-CARLETON	MARCH ROAD RECON., SWM FAC.	KANATA CITY ON	

CA	Klondike Developments Inc.		Ottawa ON	
CA	Tenth Line Development Inc.	Sandhill Rd Kanata	Ottawa ON	
CA	Klondike Developments Inc.		Ottawa ON	
CA	Riotrin Properties (March Road) Inc.		Ottawa ON	
CA	Klondike Developments Inc.		Ottawa ON	
CONV	IMPERIAL OIL LIMITED		NORTH YORK ON	
CONV	IMPERIAL OIL LIMITED		DON MILLS ON	
EBR	West Carleton Sand & Gravel	Lot 11 and 12, Concession 4	Ottawa ON	
EXP	CITY OF KANATA	KLONDIKE RD	KANATA ON	K2L 2N3
EXP	CITY OF KANATA	KLONDIKE RD	KANATA ON	K2L 2N3
EXP	CITY OF KANATA	KLONDIKE RD	KANATA ON	K2L 2N3
EXP	CITY OF KANATA	KLONDIKE RD	KANATA ON	K2L 2N3
EXP	CITY OF KANATA	KLONDIKE RD	KANATA ON	K2L 2N3
EXP	CITY OF KANATA	KLONDIKE RD	KANATA ON	
EXP	CITY OF KANATA	KLONDIKE RD	KANATA ON	K2L 2N3
EXP	CITY OF KANATA	KLONDIKE RD	KANATA ON	
EXP	CITY OF KANATA	KLONDIKE RD	KANATA ON	
EXP	CITY OF KANATA	KLONDIKE RD	KANATA ON	K2L 2N3
EXP	CITY OF KANATA	KLONDIKE RD	KANATA ON	K2L 2N3
EXP	CITY OF KANATA	KLONDIKE RD	KANATA ON	K2L 2N3
EXP	CITY OF KANATA	KLONDIKE RD	KANATA ON	
EXP	CITY OF KANATA	KLONDIKE RD	KANATA ON	K2L 2N3
EXP	CITY OF KANATA	KLONDIKE RD	KANATA ON	

EXP	CITY OF KANATA	KLONDIKE RD	KANATA ON	
EXP	CITY OF KANATA	KLONDIKE RD	KANATA ON	
GEN	E.B. EDDY FOREST PRODUCTS LTD.	LOT 10, CONC. 3, CAMP 12 F.OP SITE IVY TWP., C/0 1335 CARLING AVE.	OTTAWA ON	K1Z 8N8
GEN	E.B. EDDY FOREST PRODUCTS LTD. 14-802	LOT 10, CONC. 3, CAMP 12 F.OP SITE IVY TWP., C/0 1335 CARLING AVE.	OTTAWA ON	K1Z 8N8
LIMO	The Corporation of the Township of Rideau	Part of Lot 11, Concession 3	City of Ottawa ON	
NCPL	West Carleton Sand & Gravel Inc.	Lot 11-14, Conc 4	Ottawa ON	
PRT	CITY OF KANATA	KLONDIKE RD	KANATA ON	
PRT	CITY OF KANATA	KLONDIKE RD	KANATA ON	
PTTW	Donwel Land Inc.	Part of Lot 10 Concession 4	Ottawa ON	
PTTW	Mattamy (Half Moon Bay) Limited	Lot 11, 12, Concession 3	Ottawa ON	
SPL	ESSO PETROLEUM CANADA	BULK STATION	OTTAWA CITY ON	
SPL	ESSO PETROLEUM CANADA	TRANSPORT TRUCK (CARGO)	OTTAWA CITY ON	
SPL	OTTAWA-CARLETON TRANSIT	MARCH ROAD, SOUTH OF CARLING	OTTAWA CITY ON	
SPL	ESSO PETROLEUM CANADA	ESSO DISTRIBUTION STATION BULK STATION	OTTAWA CITY ON	
SPL	ESSO PETROLEUM CANADA	TANK TRUCK (CARGO)	OTTAWA CITY ON	
SPL	ONTARIO HYDRO	SOUTH MARCH TRANSFORMER STATION, MARCH ROAD TRANSFORMER	KANATA CITY ON	
WWIS		lot 10	ON	

Unplottable Report

Site: ***Database:***
Lot 11 Con 3 Kanata ON ***AAGR***

Type:	Quarry
Region/County:	Ottawa-Carleton
Township:	Kanata
Concession::	3
Lot::	11
Size (ha)::	0.5
Landuse::	
Comments::	

Site: ***Morgan's Grant Subdivision Phase 6, 7 & 8*** ***Database:***
Lot 10, Concession 3 Ottawa ON ***CA***

Certificate #:	8761-53CPYZ
Application Year:	01
Issue Date:	10/11/01
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name::	Minto Developments Inc.
Client Address::	427 Laurier Avenue West, Suite 300
Client City::	Ottawa
Client Postal Code::	K1R 7Y2
Project Description::	Construction of Storm and Sanitary Sewers for Residential Development Morgan's Grant Subdivision Phase 6, 7, & 8
Contaminants::	
Emission Control::	

Site: ***Morgan's Grant Subdivision Phase 9*** ***Database:***
Lot 10, Concession 3 Ottawa ON ***CA***

Certificate #:	0828-4UMQX6
Application Year:	01
Issue Date:	3/10/01
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name::	Minto Developments Inc.
Client Address::	427 Laurier Avenue West, Suite 300
Client City::	Ottawa
Client Postal Code::	K1R 7Y2
Project Description::	Installation of storm and sanitary sewers in Morgan's Grant Subdivision Phase 9, on Klondike Road, Piekoff Crescent, Wallsend Avenue and Rayburn Street.
Contaminants::	
Emission Control::	

Site: ***Morgan's Grant Subdivision Phase 5B*** ***Database:***
Lot 10, Concession 3 Kanata ON ***CA***

Certificate #:	3314-4Q7RF4
Application Year:	00
Issue Date:	10/25/00
Approval Type:	Municipal & Private sewage

Status: Approved
Application Type: New Certificate of Approval
Client Name:: Minto Developments Inc.
Client Address:: 427 Laurier Ave. West
Client City:: Ottawa
Client Postal Code:: K1R 7Y2
Project Description:: Storm and sanitary sewers to be constructed in Morgan's Grant Subdivision Phase 5B in the City of Kanata.
Contaminants::
Emission Control::

Site: ***Database:*** ***CA***
Lot 10, Concession 3 Kanata ON

Certificate #: 3520-4Q2R3G
Application Year: 00
Issue Date: 10/13/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name:: Minto Developments Inc.
Client Address:: 427 Laurier Ave. West
Client City:: Ottawa
Client Postal Code:: K1R 7Y2
Project Description:: Construction of sanitary and storm sewers in Morgan's Subdivision Phase 2, Block 223, in the City of Kanata, on Goulbourn Road and Street No. 1 (Cul-de-sac).
Contaminants::
Emission Control::

Site: ***Shirleys Brooke Drive*** ***Database:*** ***CA***
Lot 10, Concession 3 Kanata ON

Certificate #: 4041-4PSKY2
Application Year: 00
Issue Date: 10/5/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name:: Shell Canada Limited
Client Address:: 90 Sheppard Ave. E.
Client City:: Toronto
Client Postal Code:: M2N 6Y2
Project Description:: Construction of sanitary sewers on Shirleys Brook Drive from Inverary Drive to approximately 85 m east of March Road in the City of Kanata.
Contaminants::
Emission Control::

Site: ***Morgan's Grant Subdivision Phase 6, 7 & 8*** ***Database:*** ***CA***
Lot 10, Concession 3 Ottawa ON

Certificate #: 8414-53CPMC
Application Year: 01
Issue Date: 10/11/01
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name:: Minto Developments Inc.
Client Address:: 427 Laurier Avenue West, Suite 300
Client City:: Ottawa
Client Postal Code:: K1R 7Y2
Project Description:: Construction of Watermains for Residential Development in Morgan's Grant Subdivision Phase 6, 7 & 8.
Contaminants::
Emission Control::

Site: ***Morgan's Grant Subdivision Phase 9***
Lot 10, Concession 3 Ottawa ON

Database: ***CA***

Certificate #: 1411-4UMSZM
Application Year: 01
Issue Date: 3/10/01
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name:: Minto Developments Inc.
Client Address:: 427 Laurier Avenue West, Suite 300
Client City:: Ottawa
Client Postal Code:: K1R 7Y2
Project Description:: Installation of watermains on Klondike Road, Piekoff Crescent, Wallsend Avenue and Rayburn Street.
Contaminants::
Emission Control::

Site:
Lot 10, Concession 3 Kanata ON

Database: ***CA***

Certificate #: 8141-4Q2Q3S
Application Year: 00
Issue Date: 10/13/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name:: Minto Developments Inc.
Client Address:: 427 Laurier Ave. West
Client City:: Ottawa
Client Postal Code:: K1R 7Y2
Project Description:: Construction of a watermian in Morgan's Grant Subdivision Phase 2, Block 223 in the City of Kanata, on Street No. 1.
Contaminants::
Emission Control::

Site: ***Morgan's Grant Subdivision Phase 5B***
Lot 10, Concession 3 Kanata ON

Database: ***CA***

Certificate #: 8843-4Q7RKV
Application Year: 00
Issue Date: 10/25/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name:: Minto Developments Inc.
Client Address:: 427 Laurier Ave. West
Client City:: Ottawa
Client Postal Code:: K1R 7Y2
Project Description:: Watermains to be constructed in Morgan's Grant Subdivision Phase 5B in the City of Kanata.
Contaminants::
Emission Control::

Site:
Part of Lot 10, Concession 3 Kanata ON

Database: ***CA***

Certificate #: 0081-4LFQ7S
Application Year: 00
Issue Date: 6/21/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name:: Minto Developments Inc.
Client Address:: 427 Laurier Ave. West

Client City:: Ottawa
Client Postal Code:: K1R 7Y2
Project Description:: Watermains to be constructed in Morgan's Grant Subdivision Phase 5C in the City of Kanata.
Contaminants::
Emission Control::

Site: ***Database:*** ***CA***
Part of Lot 10, Concession 3 Kanata ON

Certificate #: 7072-4LFPRF
Application Year: 00
Issue Date: 6/21/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name:: Minto Developments Inc.
Client Address:: 427 Laurier Ave. West
Client City:: Ottawa
Client Postal Code:: K1R 7Y2
Project Description:: Sotrm and sanitary sewers to be constructed in Morgan's Grant Subdivision Phase 5C in the City of Kanata.
Contaminants::
Emission Control::

Site: ***Canada Lands Company CLC Limited*** ***Database:*** ***CA***
Part of Lot 10, Concession 4, Rideau Front Ottawa ON

Certificate #: 2195-6DJP2A
Application Year: 2005
Issue Date: 6/22/2005
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: ***Morgan's Grant*** ***Database:*** ***CA***
Part of Lot 11, Concession 3 Ottawa ON

Certificate #: 8692-54QSUG
Application Year: 01
Issue Date: 12/21/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name:: Minto Developments Inc.
Client Address:: 427 Laurier Avenue West, Suite 300
Client City:: Ottawa
Client Postal Code:: K1R 7Y2
Project Description:: Stormwater management facility providing water quantity and quality control.
Contaminants::
Emission Control::

Site: ***Klondike Developments Inc.*** ***Database:*** ***CA***
870 March St and 1001 Klondike Road Ottawa ON

Certificate #: 0048-79MQC5
Application Year: 2007

Issue Date: 12/6/2007
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***R.M. OF OTTAWA-CARLETON***
ONT.HYDRO ESMT/KLONDIKE RD. KANATA CITY ON

Database: ***CA***

Certificate #: 3-0927-95-
Application Year: 95
Issue Date: 7/19/1995
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***R.M. OF OTTAWA-CARLETON***
MARCH ROAD RECON., SWM FAC. KANATA CITY ON

Database: ***CA***

Certificate #: 3-0372-96-
Application Year: 96
Issue Date: 6/20/1996
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***Klondike Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 3603-6XAVNJ
Application Year: 2007
Issue Date: 2/5/2007
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: ***Tenth Line Development Inc.***
Sandhill Rd Kanata Ottawa ON

Database: ***CA***

Certificate #: 6996-7TWQND
Application Year: 2009
Issue Date: 7/14/2009
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: ***Klondike Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 7943-6PNT68
Application Year: 2006
Issue Date: 6/30/2006
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: ***Riotrin Properties (March Road) Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 1369-7TZJGG
Application Year: 2009
Issue Date: 8/5/2009
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: ***Klondike Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 2785-6SHLAU
Application Year: 2006
Issue Date: 8/11/2006
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: ***IMPERIAL OIL LIMITED***
NORTH YORK ON

Database: ***CONV***

File No.:
Publication Title:
Publication City:
Url:
Crown Brief No.:
Ministry District:
Region: EASTERN REGION
Description: FAILED TO INSPECT OIL/WATER SEPARATOR WEEKLY & MAINTAIN LOG BOOK AT SITE

--Details--
Publication Date:
Count: 1
Act: OWRA
Regulation:
Section: 66(3)
Act/Regulation/Section: OWRA- -66(3)
Date Charged: 6/4/93
Charge Disposition:
Fine: $1,000

Publication Date:
Count: 1
Act: OWRA
Regulation:
Section: 66(3)
Act/Regulation/Section: OWRA- -66(3)
Date Charged: 6/4/93
Charge Disposition:
Fine: $4,000

Site: ***IMPERIAL OIL LIMITED***
DON MILLS ON

Database: ***CONV***

File No.:
Publication Title:
Publication City:
Url:
Crown Brief No.:
Ministry District:
Region: EASTERN REGION
Description: FAILED TO COMPLY WITH CONDITIONS OF C. OF A.

--Details--
Publication Date:
Count: 1
Act: OWRA
Regulation:
Section: 66(3)
Act/Regulation/Section: OWRA- -66(3)
Date Charged: 6/4/93
Charge Disposition:
Fine: $6,000

Publication Date:
Count: 1
Act: OWRA

Regulation:
Section: 66(3)
Act/Regulation/Section: OWRA- -66(3)
Date Charged: 6/4/93
Charge Disposition:
Fine: $6,000

Site: ***West Carleton Sand & Gravel***
Lot 11 and 12, Concession 4 Ottawa ON

Database: ***EBR***

EBR Registry No.: IA05E0467
Ministry Ref. No.: 9797-6ASMMB
Year: 2005
Proposal Date:
Notice Date:
Notice Type: Instrument Decision
Proponent Address: 3725 Carp Road, P.O Box 264 Carp Ontario K0A 1L0
Instrument Type: Approval for sewage works - OWRA s. 53(1)
Location: McGee Pit Ottawa Ontario Lot 11 and 12, Concession 4 Geographic Township of West Carelton City of Ottawa
Location Other:

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA ON K2L 2N3

Database: ***EXP***

Instance No: 10798026
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description:
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date: 12/29/1990

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA ON K2L 2N3

Database: ***EXP***

Instance No: 10797960
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description: Fuels Safety Private Fuel Outlet - Self Serve
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type: FS Liquid Fuel Tank
Expired Date: 8/29/1990

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA ON K2L 2N3

Database: ***EXP***

Instance No: 10797978
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description: Fuels Safety Private Fuel Outlet - Self Serve
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type: FS Liquid Fuel Tank
Expired Date: 8/29/1990

Site: ***CITY OF KANATA***

Database:

KLONDIKE RD KANATA ON K2L 2N3 ***EXP***

Instance No: 10797960
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description:
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date: 8/29/1990

Site: ***CITY OF KANATA*** ***Database:***
KLONDIKE RD KANATA ON K2L 2N3 ***EXP***

Instance No: 10797990
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description: Fuels Safety Private Fuel Outlet - Self Serve
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type: FS Liquid Fuel Tank
Expired Date: 8/29/1990

Site: ***CITY OF KANATA*** ***Database:***
KLONDIKE RD KANATA ON ***EXP***

Instance No: 9319126
Instance ID: 384893
Instance Type: FS Facility
Description: Fuels Safety Private Fuel Outlet - Self Serve
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

Site: ***CITY OF KANATA*** ***Database:***
KLONDIKE RD KANATA ON K2L 2N3 ***EXP***

Instance No: 10798008
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description:
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date: 12/29/1990

Site: ***CITY OF KANATA*** ***Database:***
KLONDIKE RD KANATA ON ***EXP***

Instance No: 10798032
Instance ID: 39407
Instance Type: FS Piping
Description: FS Piping
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA ON

Database: ***EXP***

Instance No: 10797984
Instance ID: 41317
Instance Type: FS Piping
Description: FS Piping
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA ON K2L 2N3

Database: ***EXP***

Instance No: 10797990
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description:
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date: 8/29/1990

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA ON K2L 2N3

Database: ***EXP***

Instance No: 10798008
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description: Fuels Safety Private Fuel Outlet - Self Serve
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type: FS Liquid Fuel Tank
Expired Date: 12/29/1990

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA ON K2L 2N3

Database: ***EXP***

Instance No: 10797978
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description:
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date: 8/29/1990

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA ON

Database: ***EXP***

Instance No: 10797969
Instance ID: 41197
Instance Type: FS Piping
Description: FS Piping
Status: EXPIRED

TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA ON K2L 2N3

Database: ***EXP***

Instance No: 10798026
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description: Fuels Safety Private Fuel Outlet - Self Serve
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type: FS Liquid Fuel Tank
Expired Date: 12/29/1990

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA ON

Database: ***EXP***

Instance No: 10798017
Instance ID: 41890
Instance Type: FS Piping
Description: FS Piping
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA ON

Database: ***EXP***

Instance No: 9392489
Instance ID: 380134
Instance Type: FS Facility
Description: Fuels Safety Private Fuel Outlet - Self Serve
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA ON

Database: ***EXP***

Instance No: 10797999
Instance ID: 40770
Instance Type: FS Piping
Description: FS Piping
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

Site: ***E.B. EDDY FOREST PRODUCTS LTD.***
LOT 10, CONC. 3, CAMP 12 F.OP SITE IVY TWP., C/0 1335 CARLING AVE. OTTAWA ON K1Z 8N8

Database: ***GEN***

Generator No.: ON0009805 ***PO Box No.:***

Status:		***Country:***	
Approval Years:	90	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No. Admin:***	
SIC Code:	2599		
SIC Description:	OTHER WOOD IND.		

--Details--

Waste Code:	252
Waste Description:	WASTE OILS & LUBRICANTS

Site: ***E.B. EDDY FOREST PRODUCTS LTD. 14-802***
LOT 10, CONC. 3, CAMP 12 F.OP SITE IVY TWP., C/0 1335 CARLING AVE. OTTAWA ON K1Z 8N8

Database: ***GEN***

Generator No.:	ON0009805	***PO Box No.:***	
Status:		***Country:***	
Approval Years:	94,95,96	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No. Admin:***	
SIC Code:	2599		
SIC Description:	OTHER WOOD IND.		

--Details--

Waste Code:	252
Waste Description:	WASTE OILS & LUBRICANTS

Site: ***The Corporation of the Township of Rideau***
Part of Lot 11, Concession 3 City of Ottawa ON

Database: ***LIMO***

C of A No:	A461201	***Site County:***	Ottawa
C of A Issue Date:	11/17/1971	***MOE Region:***	Eastern
C of A Issued to:		***MOE District:***	Ottawa
Operation Status:	Closed	***Easting:***	
Landfill Type:		***Northing:***	
Total Site Area:		***Latitude:***	
Footprint:		***Longitude:***	
Tot Apprvd Capac:		***UTM Zone:***	
Tot Aprv Cp Unit:		***Data Source:***	small landfills
Fill Rate:		***Cntm Attn Zn:***	
Fill Rate Unit:		***Grndwtr Mntr:***	
Est Remain Cap:		***Surf Wtr Mntr:***	
ERC Volume Unit:		***Lst Rprting Yr:***	
ERC Methodology:		***Fin Assrnce:***	
ERC Dt Last Det:		***Nat Attnuatn:***	
Total Waste Rec:		***Liners:***	
TWR Unit:		***Cvr Material:***	
TWR Methodology:			
Site Name:	Pierces Corners Landfill		
Air Emmis Monitor:			
Leachate Off-Site:			
Leachate On Site:			
Landfill Gas Manag (P):			
Landfill Gas Manag (F):			
Landfill Gas Manag (E):			
Req Col Lndfll Gas:			
Lndfll Gas Cllcted:			
Lndfll Gas Mntr:			
Service Area:			
Approved Waste Type:			

Site: ***West Carleton Sand & Gravel Inc.***
Lot 11-14, Conc 4 Ottawa ON

Database: ***NCPL***

Year: 2006
Discharge Type: Industrial Sewage
Sector: Miscellaneous
Type of Concern: C of A/Permit Non-Compliance
Contaminant:: SUSPENDED SOLIDS
Status Report::

--Details--
Incident Date: 10/5/2006
Limit/Unit/Freq: 25 mg/L
Quantity Min/Max: 32/32
Facility Action: Operational Process Modification
Ministry Action: Voluntary Abatement Program Underway

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA ON

Database: ***PRT***

Location ID: 6728
Type: retail
Expiry Date:
Capacity (L): 22730
Licence #: 0001052484

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA ON

Database: ***PRT***

Location ID: 6728
Type: private
Expiry Date:
Capacity (L): 36368.00
Licence #: 0001031141

Site: ***Donwel Land Inc.***
Part of Lot 10 Concession 4 Ottawa ON

Database: ***PTTW***

EBR Registry No.: 011-7941
Ministry Ref. No.: 4220-93TJZ7
Year: 2013
Proposal Date: January 11, 2013
Notice Date:
Notice Type: Instrument Proposal
Proponent Address: 1693 Lakeshore Drive Greely Ontario Canada K4P 1H1
Instrument Type: (OWRA s. 34) - Permit to take water
Location: Part of Lot 10 Concession 4 Address: Lot: Part of Lot 10, Concession: 4, Geographic Township: OSGOODE, Ottawa, City + + + Part of Lot 9 Concession 4 Address: Lot: Part of Lot 9, Concession: 4, Geographic Township: OSGOODE, Ottawa, City CITY OF OTTAWA
Location Other:

Site: ***Mattamy (Half Moon Bay) Limited***
Lot 11, 12, Concession 3 Ottawa ON

Database: ***PTTW***

EBR Registry No.: 010-5959
Ministry Ref. No.: 8783-7PCUC4
Year: 2009
Proposal Date: 2/20/2009
Notice Date:
Notice Type: Instrument Proposal
Proponent Address: 123 Huntmar Drive Ottawa Ontario Canada K2S 1B9
Instrument Type: (OWRA s. 34) - Permit to take water
Location: Lot 11, 12, Concession 3, Ottawa
Location Other:

Site: ***ESSO PETROLEUM CANADA***
BULK STATION OTTAWA CITY ON

Database: ***SPL***

Ref No:	155190	***Site Address:***	
Contaminant Name:		***Site Conc:***	
Contaminant Code:		***Site Lot:***	
Contaminant Limit 1:		***Site County/District:***	
Contam. Limit Freq 1:		***Site Municipality:***	20101
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:		***Sector Type:***	
MOE Reported Dt:	5/1/1998	***Source Type:***	
Health/Env Conseq:		***Receiving Medium:***	LAND
Incident Dt:	5/1/1998	***Receiving Env:***	
Incident Cause:	OTHER CAUSE (N.O.S.)	***Environment Impact:***	NOT ANTICIPATED
Incident Event:		***Nature of Impact:***	
Incident Reason:	NEGLIGENCE (APPARENT)	***SAC Action Class:***	
Incident Summary:	ESSO-156 L DIESEL TO LOT,LOADING ARM NOT IN TRUCKSCOMPARTMENT,PUMP STARTED.		

Site: ***ESSO PETROLEUM CANADA***
TRANSPORT TRUCK (CARGO) OTTAWA CITY ON

Database: ***SPL***

Ref No:	59519	***Site Address:***	
Contaminant Name:		***Site Conc:***	
Contaminant Code:		***Site Lot:***	
Contaminant Limit 1:		***Site County/District:***	
Contam. Limit Freq 1:		***Site Municipality:***	20101
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:		***Sector Type:***	
MOE Reported Dt:	11/7/1991	***Source Type:***	
Health/Env Conseq:		***Receiving Medium:***	LAND
Incident Dt:	11/7/1991	***Receiving Env:***	
Incident Cause:	PIPE/HOSE LEAK	***Environment Impact:***	NOT ANTICIPATED
Incident Event:		***Nature of Impact:***	
Incident Reason:	ERROR	***SAC Action Class:***	
Incident Summary:	ESSO-3 LITRES DIESEL FUELTO GRND UNDER LOADING RACK,COUPLING NOT CLOSED		

Site: ***OTTAWA-CARLETON TRANSIT***
MARCH ROAD, SOUTH OF CARLING OTTAWA CITY ON

Database: ***SPL***

Ref No:	222088	***Site Address:***	
Contaminant Name:		***Site Conc:***	
Contaminant Code:		***Site Lot:***	
Contaminant Limit 1:		***Site County/District:***	
Contam. Limit Freq 1:		***Site Municipality:***	20107
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:		***Sector Type:***	
MOE Reported Dt:	2/25/2002	***Source Type:***	
Health/Env Conseq:		***Receiving Medium:***	LAND / WATER
Incident Dt:	2/25/2002	***Receiving Env:***	
Incident Cause:	OTHER CONTAINER LEAK	***Environment Impact:***	POSSIBLE
Incident Event:		***Nature of Impact:***	Water course or lake
Incident Reason:	MATERIAL FAILURE	***SAC Action Class:***	
Incident Summary:	OC TRANSIT: 2L OF ANTIFREEZE IN THE SEWER, CLEANING		

Site: ***ESSO PETROLEUM CANADA***
ESSO DISTRIBUTION STATION BULK STATION OTTAWA CITY ON

Database: ***SPL***

Ref No:	46877	***Site Address:***	
Contaminant Name:		***Site Conc:***	
Contaminant Code:		***Site Lot:***	
Contaminant Limit 1:		***Site County/District:***	
Contam. Limit Freq 1:		***Site Municipality:***	20101
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:		***Sector Type:***	
MOE Reported Dt:	2/21/1991	***Source Type:***	
Health/Env Conseq:		***Receiving Medium:***	LAND
Incident Dt:	2/21/1991	***Receiving Env:***	
Incident Cause:	CONTAINER OVERFLOW	***Environment Impact:***	NOT ANTICIPATED
Incident Event:		***Nature of Impact:***	
Incident Reason:	ERROR	***SAC Action Class:***	
Incident Summary:	ESSO DISTRIB. STATION - 50 L FURNACE OIL SPILLED TO LOADING DOCK. OV/FILL.		

Site: ***ESSO PETROLEUM CANADA***
TANK TRUCK (CARGO) OTTAWA CITY ON

Database: ***SPL***

Ref No:	47843	***Site Address:***	
Contaminant Name:		***Site Conc:***	
Contaminant Code:		***Site Lot:***	
Contaminant Limit 1:		***Site County/District:***	
Contam. Limit Freq 1:		***Site Municipality:***	20101
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:		***Sector Type:***	
MOE Reported Dt:	3/20/1991	***Source Type:***	
Health/Env Conseq:		***Receiving Medium:***	LAND
Incident Dt:	3/19/1991	***Receiving Env:***	
Incident Cause:	PIPE/HOSE LEAK	***Environment Impact:***	NOT ANTICIPATED
Incident Event:		***Nature of Impact:***	
Incident Reason:	ERROR	***SAC Action Class:***	
Incident Summary:	ESSO HOME COMFORT - TANK TRUCK SPILLED APPROX 1 L.HEATING OIL ON GROUND		

Site: ***ONTARIO HYDRO***
SOUTH MARCH TRANSFORMER STATION, MARCH ROAD TRANSFORMER KANATA CITY ON

Database: ***SPL***

Ref No:	128700	***Site Address:***	
Contaminant Name:		***Site Conc:***	
Contaminant Code:		***Site Lot:***	
Contaminant Limit 1:		***Site County/District:***	
Contam. Limit Freq 1:		***Site Municipality:***	20103
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:		***Sector Type:***	
MOE Reported Dt:	7/3/1996	***Source Type:***	
Health/Env Conseq:		***Receiving Medium:***	LAND
Incident Dt:	6/26/1996	***Receiving Env:***	
Incident Cause:	COOLING SYSTEM LEAK	***Environment Impact:***	CONFIRMED
Incident Event:		***Nature of Impact:***	Soil contamination
Incident Reason:	OTHER	***SAC Action Class:***	
Incident Summary:	ONTARIO HYDRO: 250 ML OF PCB OIL (200 PPM) TO SOILCONTAINED AND CLEANED UP.		

Site:
lot 10 ON

Database: ***WWIS***

Well ID:	1535825	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:		***Date Received:***	9/29/2005
Sec. Water Use:		***Selected Flag:***	1
Final Well Status:		***Abandonment Rec:***	

Water Type:
Casing Material:
Audit No: Z17653
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:

Contractor: 6907
Form Version: 3
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: OTTAWA CITY
Site Info:
Lot: 010
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11316364
DP2BR:
Code OB: u
Code OB Desc: all layers are unknown type
Open Hole:
Elevation:
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Spatial Status:
Cluster Kind:
UTMRC:
UTMRC Desc:
Location Method: na
Org CS:
Date Completed: 9/22/2005

Overburden and Bedrock Materials Interval

Formation ID: 932997253
Layer: 1
Color:
General Color:
Mat1:
Most Common Material:
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0.00
Formation End Depth: 19.00
Formation End Depth UOM: ft

Formation ID: 932997254
Layer: 2
Color:
General Color:
Mat1:
Most Common Material:
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 19.00
Formation End Depth: 77.00
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961535825
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 11331219
Casing No: 1
Comment:
Alt Name:

Results of Well Yield Testing

Pump Test ID: 11345704
Pump Set At: 75.00
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: LPM
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory: Provincial AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

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

Government Publication Date: Up to Sep 2017

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-Nov 2016

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 1999-Jan 31, 2018

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2014

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Commercial Fuel Oil Tanks: Provincial CFOT

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

Government Publication Date: Feb 28, 2017

Chemical Register: Private CHEM

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

Government Publication Date: 1999-Jan 31, 2018

Compressed Natural Gas Stations: Private CNG

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

Government Publication Date: Dec 31, 2012

Inventory of Coal Gasification Plants and Coal Tar Sites: Provincial COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

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

Government Publication Date: 1989-Nov 2017

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994-Oct 2017

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886-Nov 30, 2017

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 2017

Environmental Registry: Provincial EBR

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

Government Publication Date: 1994-Oct 2017

Environmental Compliance Approval: Provincial ECA

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

Government Publication Date: Oct 2011-Oct 2017

Environmental Effects Monitoring: Federal EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

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

Government Publication Date: 1999-Aug 2016

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: Dec 31, 2016

List of TSSA Expired Facilities: Provincial EXP

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

Government Publication Date: Feb 28, 2017

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: Jun 2000-Dec 2017

Fisheries & Oceans Fuel Tanks: Federal FOFT

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

Government Publication Date: 1964-Sep 2017

Fuel Storage Tank: Provincial FST

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

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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

Government Publication Date: 1986-December 31, 2017

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2015

TSSA Historic Incidents: Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

TSSA Incidents: Provincial INC

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

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario: Provincial LIMO

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

Government Publication Date: Dec 31, 2013

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Feb 2017

National Analysis of Trends in Emergencies System (NATES): Federal NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: Dec 31, 2014

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Aug 2010

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Dec 31, 2017

National Energy Board Wells: Federal NEBW

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGW

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

Government Publication Date: 1988-December 31, 2017

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Oct 2017

Inventory of PCB Storage Sites: Provincial OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994-Oct 2017

Canadian Pulp and Paper: Private PAP

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

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

Parks Canada Fuel Storage Tanks: Federal PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

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

Government Publication Date: 1988-Aug 2017

TSSA Pipeline Incidents: Provincial PINC

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

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994-Oct 2017

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-2016

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.
RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Nov 2017

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-Jan 31, 2018

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

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

Government Publication Date: 1988-Sep 2017

Wastewater Discharger Registration Database: Provincial SRDS

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

Government Publication Date: 1990-Dec 31, 2016

Anderson's Storage Tanks: Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

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

Government Publication Date: 1970-Aug 2017

TSSA Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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

Government Publication Date: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: Oct 31, 2017

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Mar 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 Search

ENVIRONMENTAL RISK INFORMATION SERVICE

Head Office: 80 Valleybrook Dr, Toronto, ON M3B 2S9
Physical Address: 38 Lesmill Rd, Toronto, ON M3B 2T5
Phone: 416-510-5204 • Fax: 416-510-5133
info@erisinfo.com • www.erisinfo.com

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

PROJECT NUMBER: 20180212154	
Site Address:	1055 Klondike Road, Ottawa, Ontario
Year: 2011	
Site Listing:	-Single Tenant Residential
Adjacent Properties:	
1032 Klondike Road	-Ruiter Construction Ltd -Ottawa-Carleton District School Board -Childrens Village of Ottawa Carleton
1045 Klondike Road	-Single Tenant Residential
1056 Klondike Road	-Margan's Grant Montessori -The Greenwoods Academy

1078 Klondike Road	-Kanata Fellowship Baptist Church
1100 Klondike Road	-Address Not Listed
788 March Road	-Address Not Listed
806 March Road	-Address Not Listed
812 March Road	-Address Not Listed
830 March Road	-Address Not Listed
886 March Road	-Single Tenant Residential

PROJECT NUMBER: 20180212154	
Site Address:	1055 Klondike Road, Ottawa, Ontario
Year: 2005/06	
Site Listing:	-Single Tenant Residential
Adjacent Properties:	
1032 Klondike Road	-Address Not Listed
1045 Klondike Road	-Single Tenant Residential

1056 Klondike Road	-Single Tenant Residential
1078 Klondike Road	-Kanata Fellowship Baptist Church
1100 Klondike Road	-Address Not Listed
788 March Road	-Address Not Listed
806 March Road	-Address Not Listed
812 March Road	-Address Not Listed
830 March Road	-Address Not Listed
886 March Road	-Single Tenant Residential

PROJECT NUMBER: 20180212154	
Site Address:	1055 Klondike Road, Ottawa, Ontario
Year: 2000/01	
Site Listing:	-Address Not Listed
Adjacent Properties:	
1032 Klondike Road	-Address Not Listed

1045 Klondike Road	-Single Tenant Residential
1056 Klondike Road	-Single Tenant Residential
1078 Klondike Road	-Address Not Listed
1100 Klondike Road	-Address Not Listed
788 March Road	-Address Not Listed
806 March Road	-Address Not Listed
812 March Road	-Address Not Listed
830 March Road	-Address Not Listed
886 March Road	-Single Tenant Residential

PROJECT NUMBER: 20180212154	
Site Address:	1055 Klondike Road, Ottawa, Ontario
Year: 1995/96	
Site Listing:	-Single Tenant Residential
Adjacent Properties:	

1032 Klondike Road	-Address Not Listed
1045 Klondike Road	-Single Tenant Residential
1056 Klondike Road	-Single Tenant Residential
1078 Klondike Road	-Address Not Listed
1100 Klondike Road	-Address Not Listed
788 March Road	-Address Not Listed
806 March Road	-March House Restaurant
812 March Road	-Address Not Listed
830 March Road	-Address Not Listed
886 March Road	-Single Tenant Residential

PROJECT NUMBER: 20180212154	
Site Address:	1055 Klondike Road, Ottawa, Ontario
Year: 1992	
Site Listing:	-Single Tenant Residential

Adjacent Properties:	
1032 Klondike Road	-Address Not Listed
1045 Klondike Road	-Single Tenant Residential
1056 Klondike Road	-Single Tenant Residential
1078 Klondike Road	-Address Not Listed
1100 Klondike Road	-Address Not Listed
788 March Road	-Address Not Listed
806 March Road	-March House Restaurant
812 March Road	-Address Not Listed
830 March Road	-Address Not Listed
886 March Road	-Single Tenant Residential

PROJECT NUMBER: 20180212154	
Site Address:	1055 Klondike Road, Ottawa, Ontario
Year: 1984	

Site Listing:	-Address Not Listed
Adjacent Properties:	
1032 Klondike Road	-Address Not Listed
1045 Klondike Road	-Address Not Listed
1056 Klondike Road	-Address Not Listed
1078 Klondike Road	-Address Not Listed
1100 Klondike Road	-Address Not Listed
788 March Road	-Address Not Listed
806 March Road	-Address Not Listed
812 March Road	-Address Not Listed
830 March Road	-Address Not Listed
886 March Road	-Address Not Listed

PROJECT NUMBER: 20180212154	
Site Address:	1055 Klondike Road, Ottawa, Ontario

Year: 1979	
Site Listing:	-Address Not Listed
Adjacent Properties:	
1032 Klondike Road	-Address Not Listed
1045 Klondike Road	-Address Not Listed
1056 Klondike Road	-Address Not Listed
1078 Klondike Road	-Address Not Listed
1100 Klondike Road	-Address Not Listed
788 March Road	-Address Not Listed
806 March Road	-Address Not Listed
812 March Road	-Address Not Listed
830 March Road	-Address Not Listed
886 March Road	-Address Not Listed

PROJECT NUMBER: 20180212154	

Site Address:	1055 Klondike Road, Ottawa, Ontario
Year: 1974	
Site Listing:	-Address Not Listed
Adjacent Properties:	
1032 Klondike Road	-Address Not Listed
1045 Klondike Road	-Address Not Listed
1056 Klondike Road	-Address Not Listed
1078 Klondike Road	-Address Not Listed
1100 Klondike Road	-Address Not Listed
788 March Road	-Address Not Listed
806 March Road	-Address Not Listed
812 March Road	-Address Not Listed
830 March Road	-Address Not Listed
886 March Road	-Address Not Listed

PROJECT NUMBER: 20180212154	
Site Address:	1055 Klondike Road, Ottawa, Ontario
Year: 1969	
Site Listing:	-Address Not Listed
Adjacent Properties:	
1032 Klondike Road	-Address Not Listed
1045 Klondike Road	-Address Not Listed
1056 Klondike Road	-Address Not Listed
1078 Klondike Road	-Address Not Listed
1100 Klondike Road	-Address Not Listed
788 March Road	-Address Not Listed
806 March Road	-Address Not Listed
812 March Road	-Address Not Listed
830 March Road	-Address Not Listed

886 March Road	-Address Not Listed

PROJECT NUMBER: 20180212154	
Site Address:	1055 Klondike Road, Ottawa, Ontario
Year: 1964	
Site Listing:	-Address Not Listed
Adjacent Properties:	
1032 Klondike Road	-Address Not Listed
1045 Klondike Road	-Address Not Listed
1056 Klondike Road	-Address Not Listed
1078 Klondike Road	-Address Not Listed
1100 Klondike Road	-Address Not Listed
788 March Road	-Address Not Listed
806 March Road	-Address Not Listed
812 March Road	-Address Not Listed

830 March Road	-Address Not Listed
886 March Road	-Address Not Listed

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

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

APPENDIX D

TSSA Records Request

Katherine Rispoli

From: Public Information Services <publicinformationservices@tssa.org>
Sent: April-02-18 10:22 AM
To: Katherine Rispoli
Subject: No Record Found (Fuel Storage Tanks Only)

Hello Katherine. Thank you for your request for confirmation of public information.

We confirm that there are no records in our database of any fuel storage tanks at the subject addresses.

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

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

Kind regards,

Gaya

From: Katherine Rispoli <katherine.rispoli@gemtec.ca>
Sent: February 28, 2018 12:49 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: 64153.85 - Storage tanks and/or incidents search

Good afternoon,

I'd like to request any information on storage tanks and/or incidents for the following addresses, located in Ottawa, ON.

- 788, 806, 812, 830, 886, March Road;
- 1032, 1045, 1055, 1056, 1078, 1100 Klondike Road

Thank you and have a good day,

Katherine

Right-click here to download pictures. To help protect your privacy, Outlook prevented automatic download of this picture from the Internet.
GEMTEC

Katherine Rispoli, M.A.Sc., P.Eng., ing.
Environmental Engineer
Ottawa, ON
tel: 613.836.1422 x261 / toll-free: 1.877.243.6832
mobile: 613.229.3175 / fax: 613.836.9731

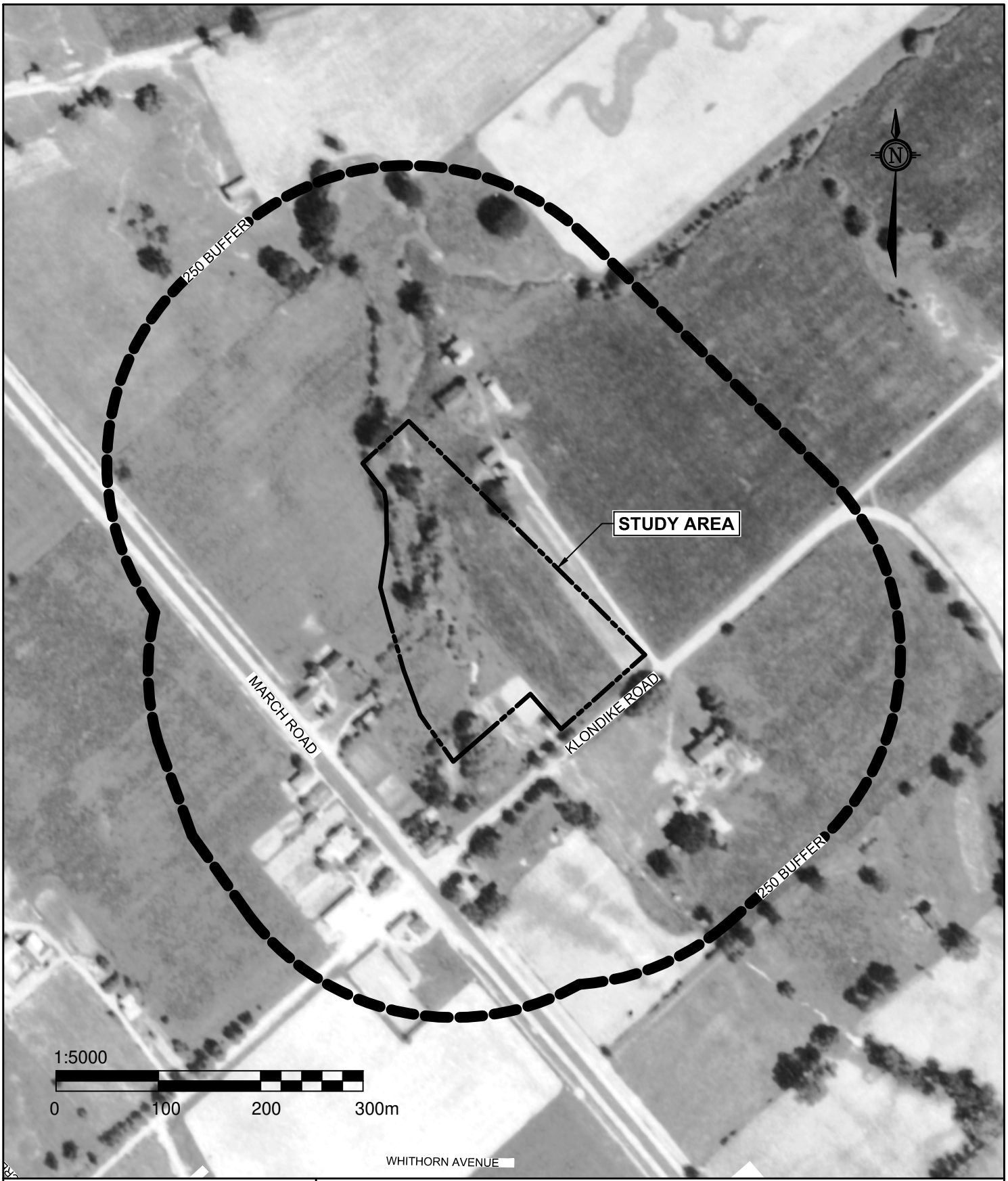
APPENDIX E

Aerial Photographs

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

AERIAL PHOTOGRAPH - 1934

Project	Project No.	
PHASE ONE ESA 1055 KLONDIKE ROAD OTTAWA, ONTARIO	64153.85	**FIGURE E1**



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

AERIAL PHOTOGRAPH - 1952

Project	Project No.	
PHASE ONE ESA 1055 KLONDIKE ROAD OTTAWA, ONTARIO	64153.85	**FIGURE E2**

APPENDIX F

Site Photographs

GEMTEC
Consulting Engineers and Scientists

OVERVIEW OF THE EAST FAÇADE OF EXISTING ON-SITE STRUCTURE

PLATE F1

GEMTEC
Consulting Engineers and Scientists

OVERVIEW OF THE INTERIOR OF THE MAIN STRUCTURE

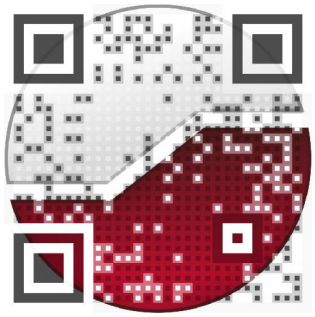
PLATE F2

GEMTEC
Consulting Engineers and Scientists

OVERVIEW OF THE ROOM CONTAINING THE EXISTING ABOVE-GROUND STORAGE TANK

PLATE F3

experience • knowledge • integrity



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

expérience • connaissance • intégrité