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Phase I - Environmental Site Assessment

910 March Road Ottawa, Ontario

Prepared For

March Road Land Holdings Inc.

Paterson Group Inc.

Consulting Engineers 154 Colonnade Road South Ottawa (Nepean), Ontario Canada K2E 7J5

Tel: (613) 226-7381 Fax: (613) 226-6344 www.patersongroup.ca August 16, 2021

Report: PE4760-3

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EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by March Road Land Holdings Inc. to conduct a Phase I – Environmental Site Assessment (Phase I ESA) at 910 March Road in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the Phase I Property and Phase I Study Area and to identify any environmental concerns with the potential to have impacted the subject land.

Paterson previously completed a Phase I-ESA in 2019 for the Phase I Property, and identified three (3) APECs on the Phase I Property: the former presence of an underground storage tank (UST) on the southwest side of the residential dwelling; the presence of an empty above ground storage tank (AST) situated on the west side of the storage shed located east of the residential dwelling; and, the presence of three (3) empty ASTs situated inside the northeastern storage shed on the Phase I Property.

A subsequent Phase II ESA was carried out in conjunction with a Geotechnical Investigation and consisted of drilling nine (9) boreholes across the Phase II Property, three (3) of which were constructed with groundwater monitoring well installations.

The soil profile generally consisted of topsoil, followed by a silty clay layer. Boreholes were terminated at a maximum depth of 4.7m below the ground surface. Soil samples were obtained from the boreholes and screened using combustible vapour measurements along with visual and olfactory observations.

Based on the screening results in combination with sample depth and location, three (3) soil samples were submitted for laboratory analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX) and petroleum hydrocarbons (PHCs, F₁-F₄). No BTEX or PHC parameters were identified above the laboratory detection limit in the soil samples analyzed. All of the soil results complied with the MECP Table 8 Residential Standards for coarse grain soils.

Groundwater samples from monitoring wells installed in BH5, BH6 and BH7 were recovered and analyzed for BTEX and PHCs. No free-phase product was observed on the groundwater at any of the monitoring well locations during the groundwater sampling event.

No BTEX or PHC parameters were identified above the laboratory detection limits in the groundwater samples analyzed. The groundwater results complied with the MECP Table 8 Standards.

Based on the findings of the Phase II ESA report, it is our opinion that the APECs (APECs 1 through 3) on the Phase I Property have been adequately addressed, and as such, no longer represent APECs.

According to the historical research, the Phase I Property was initially developed with a residence and farmstead circa 1890. The subject land remained as agricultural land (cattle farm) until 2014, at which time it was used for residential purposes only. No potentially contaminating activities (PCAs) were identified with the historical use of the Phase I Property.

Based on historical records, neighbouring lands were also occupied by residences and farmsteads. No PCAs were identified with the historical use of properties within the Phase I Study Area.

Following the historical research, a site visit was conducted. The subject land is occupied by five (5) outbuildings currently being dismantled and demolished. The former residential dwelling was demolished in the late fall of 2019 as well a storage shed. No signs of USTs or ASTs were noted at the time of the site visit.

Neighbouring lands in the Phase I Study Area consist of residential, vacant lands and commercial businesses located to the south. No PCAs were identified with the current use of the lands within the Phase I Study Area.

Based on the results of the Phase I ESA, it is our opinion that a Phase II Environmental Site Assessment is not required for the subject property.

Recommendations

If the domestic wells currently on-site are not going to be used in the future, they should be abandoned according to Ontario Regulation 903.

1.0 INTRODUCTION

At the request of March Road Land Holdings Inc., Paterson Group (Paterson) conducted a Phase I – Environmental Site Assessment (Phase I ESA) at 910 March Road in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject property.

Paterson was engaged to conduct this Phase I ESA at the request of Ms. Pascale Lepine of March Road Land Holdings Inc. Ms. Lepine can be reached by telephone at 613-591-9090.

This report has been prepared specifically and solely for the above noted project which is described herein. It contains all our findings and results of the environmental conditions at this site.

This Phase I ESA report has been prepared under the supervision of a Qualified Person, in general accordance with the requirements of Ontario Regulation 153/04, as amended, under the Environmental Protection Act, and also complies with the requirements of CSA Z768-01. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I ESA are based on a review of readily available geological, historical, and regulatory information, as well as a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as local, provincial, and federal agencies, and was limited within the scope-of-work, time, and budget of the project herein.

2.0 PHASE I PROPERTY INFORMATION

Address:	910 March Road, Ottawa, Ontario			
Legal Description:	Part of Lots 11 and 12, Part 1 of Registered Pan 4R24361, March Concession 4, in the City of Ottawa.			
Property Identification Number (PIN):	04527-0840			
Location:	The Phase I Property is located on the east side of March Road, approximately 86 m north of the Maxwell Bridge Road and March Road intersection, in the City of Ottawa, Ontario. For the purposes of this report, March Road is assumed to run in a north-south direction. The subject site is shown on Figure 1 – Key Plan, following the body of this report (Figures section).			
Latitude and Longitude:	45° 21' 35.47" N, 75° 56' 10.25" W			
Site Description:				
Configuration:	Irregular			
Site Area:	2.72 ha (approximate)			
Zoning:	DR – Development Reserve Zone designated on the southern portion of the site.			
	RU – Rural Zone designated on the northern portion of the site of which Shirley's Brook and its tributary transects the north-eastern and northern portions of the Phase I Property in an approximate north-south direction, while its tributary runs in an approximate east-west direction, parallel to the northern property boundary.			
Current Use:	The subject site is currently an uninhabited farmstead.			
Services:	The Phase I Property has private services (potable wells and septic system) and will be provided with municipal services upon redevelopment.			

3.0 SCOPE OF INVESTIGATION

The scope of work for this Phase I – Environmental Site Assessment was as follows:

- Determine the historical activities on the subject site and study area by conducting a review of readily available records, reports, photographs, plans, mapping, databases, and regulatory agencies;
- Investigate the existing conditions present at the subject site and study area by conducting site reconnaissance;
- □ Conduct interviews with persons knowledgeable of current and historic operations on the subject property and, if warranted, neighbouring properties;
- Present the results of our findings in a comprehensive report in general accordance with the requirements of O.Reg. 153/04, as amended, under the Environmental Protection Act, and in compliance with the requirements of CSA Z768-01;
- Provide a preliminary environmental site evaluation based on our findings;
- Provide preliminary remediation recommendations and further investigative work if contamination is suspected or encountered.

4.0 RECORDS REVIEW

4.1 General

Phase I ESA Study Area Determination

A radius of approximately 250 m was determined to be appropriate as a Phase I Study Area for this assessment. Properties outside the 250 m radius are not considered to have impacted the subject land, based on their significant distance from the site.

First Developed Use Determination

Based on the historical review and personal interview with the current landowner, the Phase I Property was first developed with a farmstead circa 1890. For the purpose of this Phase I ESA, the first developed use of the Phase I Property is considered to have been residential and agricultural in 1890.

National Archives

Fire insurance plans and city directories are not available for the Phase I Property and properties within the 250m Phase I Study Area.

Chain of Title

Paterson did not request a Chain of Title for the subject site as it was determined that sufficient information was gathered from other sources, such as personal interviews and other historical records.

Plan of Subdivision

A survey plan prepared by Stantec Geomatics Limited and dated July of 2017 was reviewed as a part of this assessment. The plan depicts the Phase I Property, in its current configuration. A copy of the survey plan is provided in Appendix 1.

Previous Engineering Reports

The following report was reviewed as part of this Phase I-ESA Update.

 "Phase I - Environmental Site Assessment, 910 March Road, Ottawa, Ontario," prepared by Paterson Group Inc. (Paterson), dated November 5, 2019.

Based on the 2019 of the Phase I ESA, three (3) APECs were identifed on-site, as per the Items listed in Table 2 of the O.Reg. 153/04:

- <u>APEC 1:</u> "Gasoline and Associated Products Storage in Fixed Tanks" this PCA was identified based on the presence of a former underground storage tank situated on the southwest side of the residential dwelling on the Phase I Property (PCA 28).
- <u>APEC 2:</u> "Gasoline and Associated Products Storage in Fixed Tanks" this PCA was identified based on the presence of an empty above ground storage tank situated on the west side of the storage shed located east of the residential dwelling on the Phase I Property (PCA 28).
- <u>APEC 3:</u> "Gasoline and Associated Products Storage in Fixed Tanks" this PCA was identified based on the presence of three (3) empty above ground storage tanks situated inside the northeastern storage shed on the Phase I Property (PCA 28).

A subsequent Phase II ESA was completed to address the aforementioned APECs.

 "Phase II - Environmental Site Assessment, 910 March Road, Ottawa, Ontario," prepared by Paterson, dated November 11, 2019.

The Phase II ESA was carried out in conjunction with a Geotechnical Investigation and consisted of drilling nine (9) boreholes across the Phase II Property, three (3) of which were constructed with groundwater monitoring well installations.

The soil profile generally consisted of topsoil, followed by a silty clay layer. Boreholes were terminated at a maximum depth of 4.7m below the ground surface. Soil samples were obtained from the boreholes and screened using combustible vapour measurements along with visual and olfactory observations.

Based on the screening results in combination with sample depth and location, three (3) soil samples were submitted for laboratory analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX) and petroleum hydrocarbons (PHCs, F_1 - F_4). No BTEX or PHC parameters were identified above the laboratory detection limits in the soil samples analyzed. All of the soil results complied with the MECP Table 8 Residential Standards for coarse grain soils.

Groundwater samples from monitoring wells installed in BH5, BH6 and BH7 were recovered and analyzed for BTEX and PHCs. No free-phase product was observed on the groundwater at any of the monitoring well locations during the groundwater sampling event.

No BTEX or PHC parameters were identified above the laboratory detection limits in the groundwater samples analyzed. The groundwater results complied with the MECP Table 8 Standards.

Based on the findings of the Phase II ESA report, it is our opinion that the APECs (APECs 1 through 3) on the Phase I Property have been adequately addressed, and as such, no longer represent APECs.

A Designated Substance Survey (DSS) was conducted at the subject site by Paterson in October 2019. Based on the report, asbestos-containing materials (ACMs) were identified in the residential structure. All ACMs were removed according to the O.Reg 490/09 under the Occupational Health and Safety Act prior to demolishing the residential dwelling in the late Fall of 2019.

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on August 10, 2021. The Phase I Property and properties within the Phase I Study Area were not listed in the NPRI database.

PCB Inventory

A search of national PCB waste storage sites was conducted. No PCB waste storage sites are located within the Phase I Study Area.

Areas of Natural Significance

A search for areas of natural significance and features within the Phase I Study Area was conducted on the Ontario Ministry of Natural Resources and Forestry (MNRF) website on October 3, 2019. No natural features or areas of natural significance were identified on the Phase I Property or within the 250m study area.

Ontario Ministry of Environment, Conservation and Parks (MECP) Instruments

A response from the MECP Freedom of Information (FOI) was received on November 4, 2019. After a thorough search through the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were identified for the Phase I Property. A copy of the MECP response is appended to this letter.

MECP Submissions

A response from the MECP Freedom of Information (FOI) was received on November 4, 2019. After a thorough search through the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were identified for the Phase I Property. A copy of the MECP response is appended to this letter.

MECP Waste Management Records

A response from the MECP Freedom of Information (FOI) was received on November 4, 2019. After a thorough search through the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were identified for the Phase I Property. A copy of the MECP response is appended to this letter.

MECP Coal Gasification Plant Inventory

The Ontario Ministry of Environment, Conservation and Parks document titled "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed to reference the locations of former plants with respect to the site. The Phase I Property and properties within the 250m study area are not listed in this document.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry was conducted as part of this assessment for the subject site, neighbouring properties, and the Phase I study area. No Records of Site Condition (RSCs) were filed for the Phase I Property or for any properties within the Phase I Study Area.

MECP Waste Disposal Site Inventory

The Ontario Ministry of Environment and Climate Change document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of the historical research. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants and coal tar distillation plants in the Province of Ontario. No records were listed for the Phase I Property or for properties within the Phase I Study Area.

Technical Standards and Safety Authority (TSSA)

The TSSA, Fuels Safety Branch in Toronto was contacted electronically on August 10, 2021, to inquire about current and former underground storage tanks, spills and incidents for the Phase I ESA Property and neighbouring properties. Based on the TSSA response, no records are listed in the TSSA registry for the Phase I ESA Property or the adjacent properties. A copy of the TSSA correspondence is included in Appendix 2.

City of Ottawa Landfill Document

The document entitled "Old Landfill Management Strategy, Phase I – Identification of Sites, City of Ottawa", was reviewed. No former landfill sites were identified within the Phase I Study Area.

City of Ottawa Historical Land Use Inventory (HLUI) Database

A request for information from the City's Historical Land Use Inventory (HLUI) for the subject property was sent to the City of Ottawa. Based on the response, there are no records pertaining to the Phase I Property. One record was identified for a property more than 100 m south of the subject land. Based on the separation distance, the listed activity is not considered to represent a potential environmental concern. A copy of the HLUI authorization form is provided in Appendix 2.

Environmental Risk Information Services (ERIS) Report

An ERIS (Environmental Risk Information Service) Report was obtained for the Phase I ESA Property and properties within the 250 m study area.

According to the ERIS report, no records were identified for 910 March Road. The ERIS search identified several off-site records, which included waste generators, spills and incidents. Based on the nature of these records, their separation distances and/or orientations with respect to the Phase I ESA Property, these off-site records are not considered to represent PCAs and/or APECs on the Phase I ESA Property. A copy of the ERIS report is included in Appendix 2.

4.3 Physical Setting Sources

Aerial Photographs

Historical air photos from the National Air Photo Library were reviewed in approximate ten (10) year intervals, commencing with the earliest available photograph. Based on the review, the following observations have been made:

- 1934 The subject site is occupied by a farmstead. Surrounding lands are occupied by agricultural land with some farmsteads/residences.
- 1945 The subject site and surrounding lands remain unchanged from the previous photograph.
- 1955 No significant changes are apparent on the subject site or neighbouring lands.
- 1976 A residential dwelling (red roof) and barn-like structure can be seen in this photograph. No significant changes are apparent on the subject site and surrounding lands.
- 1989 Several structures appear to be occupying the subject site at this time. No apparent changes have been made to neighbouring lands.
- 1991 One of the barn-like structures situated on the central part of the site is no longer present. Some ground disturbance is visible at this time. New roadways can be seen to the east of Old Carp Road (Marchbrook Circle) and March Road (Klondike Road) at this time.
- 2002 The subject site remains unchanged from the previous photograph. Residences are present to the west and preparation of a new development is noted to the southwest. Lands to the north and east remain unchanged.
- 2011 (City of Ottawa Website) No changes are apparent on the subject site. A new residential and commercial development is present to the east and south, as well as a stormwater management pond. Maxwell Bridge Drive is present at this time.
- 2019 (City of Ottawa Website) The former residential dwelling has been demolished. No other significant changes are apparent on the surrounding lands.

Copies of selected aerial photographs reviewed are included in Appendix 1.

Topographic Maps

Topographic information was obtained from Natural Resources Canada – The Atlas of Canada website. The topographic maps indicate that the Phase I Property and regional topography slopes down in a southeast/south direction towards Shirley's Brook. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

Physiographic Maps

The Ontario Geological Survey publication 'The Physiography of Southern Ontario, Third Edition' was reviewed as a part of this assessment. According to the publication and attached mapping, the site is situated within the Ottawa Valley Clay Plains physiographic region, described as "clay plains interrupted by ridges of rock.

Geological Maps

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on the information from NRCAN, bedrock in the area of the site consists primarily of interbedded sandstone and dolomite of the March Formation. Based on the maps, the thickness of overburden ranges from 5 to 10 m and consists of offshore marine sediments consisting of erosional terraces.

Water Well Records

A search of the MECPs website for all drilled well records within 250 m of the subject site was conducted on October 3, 2019. Based on the online mapping search results, two (2) potable well records were identified on the Phase I Property. The wells were drilled in 1973 and 2006 to an approximate depth of 27.4 m below the ground surface (mbgs). The water was clear and sediment free in both wells. According to these well logs, the site stratigraphy consisted of brown clay, extending to a depth of 1.82 m, underlain by interbedded limestone and sandstone bedrock.

Eighteen (18) well records were identified for properties within the Phase I Study Area, which consisted of twelve (12) domestic wells drilled between 1961 to 1984, and six (6) well abandonments from 2006 to 2007. No concerns were noted during the review of these records. Copies of the MECP well records are provided in Appendix 2.

Water Bodies and Areas of Natural Significance

Shirley's Brook transects the northeastern portion of the Phase I Property in an approximate north-south direction, while its tributary runs in an approximate east-west direction, parallel to the northern property boundary and drains into Shirley's Brook. No other bodies of water are present on the Phase I Property or within the Phase I Study Area. No areas of natural significance are known to exist within the Phase I Study Area.

5.0 PERSONAL INTERVIEWS

Mr. Jim Maxwell, the former property owner was interviewed at the time of the site visit. Mr. Maxwell indicated that the Maxwell family has owned and operated the farm (cattle farm) for more than 100 years, which ceased operations in 2004. According to Mr. Maxwell, the residential dwelling was previously on fuel oil with an underground storage tank (UST) situated beside the exterior south wall of the residence. The UST as well the oil-fired furnace was removed circa 1980. A wood burning stove and a propane fired furnace was used in replacement of the oil-fired furnace, which was later converted to natural gas in the early 2000s.

For the last 12 years, the site has been primarily used for residential purposes and storage of various farm equipment, tools and building materials from Mr. Maxwell's farm located in Perth, Ontario. The residence had not been occupied since 2017 and was demolished in 2019. Mr. Maxwell has indicated that he was not aware of any potential environmental concerns on the subject land or neighbouring properties.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

A site visit was conducted by Ms. Mandy Witteman, from the Environmental Department of Paterson Group on August 10, 2021. Weather conditions were overcast with a temperature of approximately 8°C. In addition to the Phase I Property, the use of neighbouring properties within the Phase I Study Area was also assessed at the time of the site visit.

6.2 Specific Observations at Phase I Property

Buildings and Structures

The Phase I Property is occupied by five (5) outbuildings that are currently being dismantled and demolished. The former residential building and barn have been demolished. A depiction of the subject site is presented on Drawing PE4760-1R – Site Plan, in the Figures section of this report.

Subsurface Utilities and Structures

Historical subsurface structures including the UST and line associated with the heating oil furnace were situated on the south side of the residential dwelling.

Formerly, the Phase I Property was serviced by a private well and septic system with above ground electricity service from March Road. Below ground natural gas services and underground electrical services were present on-site. The approximate locations of above and below ground services are shown on Drawing PE4760-1R –Site Plan.

Site Features

The Phase I Property is situated in a designated floodplain overlying Shirley's Brook and its tributary, which transect the north-eastern and northern portions of the Phase I Property in an approximate north-south direction, while its tributary runs in an approximate east-west direction, parallel to the northern property boundary.

The site is grass-covered land with an asphaltic concrete paved driveway leading to the residential dwelling and attached garage, fronting March Road. Several semi-truck trailers, sheet metal, farm equipment and waste lumber were situated along-side the work and storage sheds.

The topography of the site is generally flat with a slight downward slope along the northern, eastern and southern property boundaries towards Shirley's Brook and its tributaries, present to the north and south. Site drainage occurs primarily through infiltration on grass-covered areas and/or surface runoff to the adjacent drainage ditches along March Road and/or into Shirley's Brook and its tributaries.

One potable water well was noted on the southwestern side of the residential dwelling, which was drilled in 2006. The domestic well drilled in 1973 was located on the west side of the small cabin.

No signs of above ground storage tanks (ASTs) or underground storage tanks (USTs) were noted at the time of the site visit. No hazardous materials, evidence of surficial staining or stressed vegetation were observed on the Phase I Property at the time of the site visit.

Neighbouring Properties

An inspection of the neighbouring properties was conducted from publicly accessible roadways at the time of the site inspection. Land use adjacent to the Phase I Property was as follows:

- □ North: Residential and agricultural land
- □ East: Shirley's Brook, residences and vacant land, followed by Windance Crescent
- South: MacDonalds, followed by Maxwell Bridge Road
- □ West: March Road, followed by private clinic and residence.

The current use of the neighbouring properties is not considered to pose an environmental concern to the subject site. There are no properties within the Phase I Study Area that are occupied by potentially contaminating activities (PCAs). Current land use in the Phase I Study Area is illustrated on Drawing PE4760-2R – Surrounding Land Use Plan in the Figures section of this report.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

The following tables indicate the current and past uses of the site as well as associated potentially contaminating activities dating back to the first developed use of the site.

Table 1: Land Use History – 910 March Road				
Time Period	Name of Owner	Property Use	Description of Property Use	Other Observations from Aerial Photos, FIPs, etc.
Prior to 1890	Unknown	Residential and Agricultural	Phase I Property was reportedly developed as a farmstead in the late 1800's.	First developed use based on personal interview.
1890 to 2007	Private individuals (Maxwell Family)	Residential and Agricultural	Farmstead: residential dwelling and cattle farm	Existing farmstead can be seen in 1934 aerial (earliest aerial available for review). No significant change in land use noted in subsequent 1952, 1976, 1989 and 2007 aerials.

Table 1: Land Use History – 910 March Road				
Time Period	Name of Owner	Property Use	Description of Property Use	Other Observations from Aerial Photos, FIPs, etc.
2007 to 2017	Maxwell Family	Residential	Residential and storing tools and farm equipment	Based on an interview with the current property owner. Lack of activity on the Phase I Property can be seen in 2011 and 2017 aerial photos.
2017 to 2019	Maxwell Family	Residential	Unoccupied or uninhabited	Based on an interview the Phase I Property is current unoccupied.
2019 to present	Wexcom Developments	Residential	Unoccupied or uninhabited	Based on a personal interview and field observations

Potentially Contaminating Activities and Areas of Potential Environmental Concern

Based on the review of the previous Phase II ESA report in combination with a records update, there are no potentially contaminating activities (PCAs) and as such, there are no areas of potential environmental concern (APECs) on the Phase I Property.

Contaminants of Potential Concern (CPCs)

No Contaminants of Potential Concern (CPCs) were identified on the subject site.

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

Based on the Phase II ESA, the profile generally encountered on the Phase I Property consisted of a layer topsoil underlain by a hard to stiff brown silty clay, followed by a compact to dense glacial till and/or inferred bedrock at depths varying between 1.9 and 4.7 mbgs.

According to the Geological Survey of Canada website, the bedrock in the area of the site consists of interbedded sandstone and dolomite of the March Formation. Overburden soils are reported to consist of offshore marine sediments with erosional terraces or bedrock, with drift thicknesses between 5 and 10m.

The regional topography slopes down in a southeasterly direction. The local groundwater flow beneath the Phase I Property is inferred to be in a south-easterly direction towards Shirley's Brook.

Buildings and Structures

The Phase I Property is occupied by five (5) outbuildings that are currently being dismantled and demolished. The former residential building and one barn was demolished in 2019.

Subsurface Structures and Utilities

Historical subsurface structures including the UST and line associated with the heating oil furnace were situated on the south side of the residential dwelling.

Formerly, the Phase I Property was serviced by a private well and septic system with above ground electricity service from March Road. Below ground natural gas services and underground electrical services were present on-site.

Water Bodies

Shirley's Brook transects the northeastern portion of the Phase I Property in an approximate north-south direction and is considered to flow in a southerly direction while its tributary runs in an approximate east-west direction, parallel to the northern property boundary and drains into Shirley's Brook. No other water bodies are present on the Phase I Property or within the Phase I Study Area.

Areas of Natural Significance

No areas of natural significance are known to exist within the Phase I Study Area.

Potable Water Wells

Based on the MECP well mapping website, two (2) well records were identified on Phase I Property for potable wells that were drilled in 1973 and 2006 to an approximate depth of 27.43 m below the ground surface (mbgs). The water was clear and sediment free.

During the site visit, two (2) domestic wells were located. One well was located on the west side of the former residential dwelling (stone house), while the other was located next to the small residential unit/cabin located north of the residential dwelling. Several domestic well records were identified on properties within the Phase I Study Area. Properties to the north and west within the Phase I Study Area currently rely on potable water wells for drinking water.

Monitoring Wells

The MECP well mapping did not identify any monitoring well records for the Phase I Property or for any properties within the Phase I Study Area.

Neighbouring Land Use

Neighbouring land use in the Phase I Study Area is primarily residential and agricultural. Commercial land use is present on the neighbouring properties to the south. Land use is shown on Drawing PE4760-2R - Surrounding Land Use Plan.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Subsection 7.1 of this report, there were no PCAs identified within the Phase I Study Area. Therefore, there are no areas of potential environmental concern (APECs) on the Phase I Property.

Contaminants of Potential Concern

As per Subsection 7.1 of this report, there are no Contaminants of Potential Concern (CPCs) on the Phase I Property.

Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of this Phase I- ESA is considered to be sufficient to conclude that there are no PCAs that resulted in APECs on the Phase I Property. A variety of independent sources were consulted as part of this assessment, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

8.0 CONCLUSION

Assessment

Paterson Group was retained by March Road Land Holdings Inc. to conduct a Phase I – Environmental Site Assessment (Phase I ESA) at 910 March Road in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the Phase I Property and Phase I Study Area and to identify any environmental concerns with the potential to have impacted the subject land.

Paterson previously completed a Phase I-ESA in 2019 for the Phase I Property, and identified three (3) APECs on the Phase I Property: the former presence of an underground storage tank (UST) on the southwest side of the residential dwelling; the presence of an empty above ground storage tank (AST) situated on the west side of the storage shed located east of the residential dwelling; and, the presence of three (3) empty ASTs situated inside the northeastern storage shed on the Phase I Property.

A subsequent Phase II ESA was carried out in conjunction with a Geotechnical Investigation and consisted of drilling nine (9) boreholes across the Phase II Property, three (3) of which were constructed with groundwater monitoring well installations.

The soil profile generally consisted of topsoil, followed by a silty clay layer. Boreholes were terminated at a maximum depth of 4.7m below the ground surface. Soil samples were obtained from the boreholes and screened using combustible vapour measurements along with visual and olfactory observations.

Based on the screening results in combination with sample depth and location, three (3) soil samples were submitted for laboratory analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX) and petroleum hydrocarbons (PHCs, F_1 - F_4). No BTEX or PHC parameters were identified above the laboratory detection limit in the soil samples analyzed. All of the soil results complied with the MECP Table 8 Residential Standards for coarse grain soils.

Groundwater samples from monitoring wells installed in BH5, BH6 and BH7 were recovered and analyzed for BTEX and PHCs. No free-phase product was observed

on the groundwater at any of the monitoring well locations during the groundwater sampling event.

No BTEX or PHC parameters were identified above the laboratory detection limits in the groundwater samples analyzed. The groundwater results complied with the MECP Table 8 Standards.

Based on the findings of the Phase II ESA report, it is our opinion that the APECs (APECs 1 through 3) on the Phase I Property have been adequately addressed, and as such, no longer represent APECs.

According to the historical research, the Phase I Property was initially developed with a residence and farmstead circa 1890. The subject land remained as agricultural land (cattle farm) until 2014, at which time it was used for residential purposes only. No potentially contaminating activities (PCAs) were identified with the historical use of the Phase I Property.

Based on historical records, neighbouring lands were also occupied by residences and farmsteads. No PCAs were identified with the historical use of properties within the Phase I Study Area.

Following the historical research, a site visit was conducted. The subject land is occupied by five (5) outbuildings currently being dismantled and demolished. The former residential dwelling was demolished in the late fall of 2019 as well a storage shed. No signs of USTs or ASTs were noted at the time of the site visit.

Neighbouring lands in the Phase I Study Area consist of residential, vacant lands and commercial businesses located to the south. No PCAs were identified with the current use of the lands within the Phase I Study Area.

Based on the results of the Phase I ESA, it is our opinion that a Phase II Environmental Site Assessment is not required for the subject property.

Recommendations

If the domestic wells currently on-site are not going to be used in the future, they should be abandoned according to Ontario Regulation 903.

9.0 STATEMENT OF LIMITATIONS

This Phase I – Environmental Site Assessment report has been prepared in general accordance with O.Reg. 153/04, as amended, and meets the requirements of CSA Z768-01. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I ESA are based on a review of readily available geological, historical, and regulatory information as well as a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as local, provincial, and federal agencies and was limited within the scope-of-work, time, and budget of the project herein.

Should any conditions be encountered at the subject site and/or historical information that differ from our findings, we request that we be notified immediately in order to allow for a reassessment.

This report was prepared for the sole use of March Road Land Holdings Inc. Permission and notification from March Road Land Holdings Inc. and Paterson Group will be required to release this report to any other party.

Paterson Group Inc.

Mandy Witteman, B.Eng., M.A.Sc.,

Mark S. D'Arcy, P.Eng., QPESA

Report Distribution:

- March Road Land Holdings Inc.
- Paterson Group Inc.



10.0 REFERENCES

Federal Records

Air photos at the Energy Mines and Resources Air Photo Library. National Archives. Maps and photographs (Geological Survey of Canada surficial and subsurface mapping). Natural Resources Canada – The Atlas of Canada. Environment Canada, National Pollutant Release Inventory. PCB Waste Storage Site Inventory.

Provincial Records

MECP Freedom of Information and Privacy Office.
MECP Municipal Coal Gasification Plant Site Inventory, 1991.
MECP document titled "Waste Disposal Site Inventory in Ontario".
MECP Brownfields Environmental Site Registry.
MECP Water Well Inventory.
Office of Technical Standards and Safety Authority, Fuels Safety Branch.
Ministry of Natural Resources and Forestry: Areas of Natural Significance.
Chapman, L.J., and Putnam, D.F., 1984: 'The Physiography of Southern Ontario, Third Edition', Ontario Geological Survey Special Volume 2.

Municipal Records

City of Ottawa Document "Old Landfill Management Strategy, Phase I -Identification of Sites", prepared by Golder Associates, 2004. The City of Ottawa eMap website.

Local Information Sources

Previous Engineering Reports. Plan of Survey prepared by J.D. Barnes Limited and dated February 2019.

Public Information Sources

Google Earth. Google Maps/Street View.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE4760-1R – SITE PLAN

DRAWING PE4760-2R – SURROUNDING LAND USE PLAN



FIGURE 1 KEY PLAN

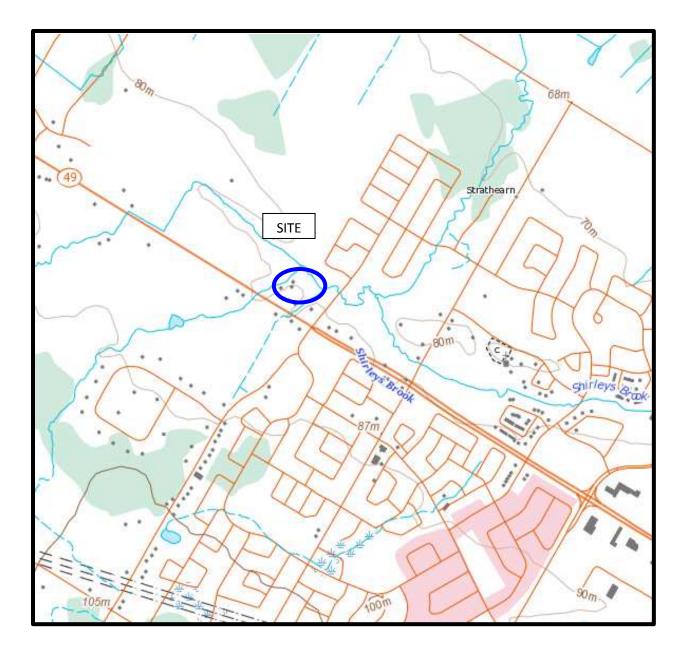
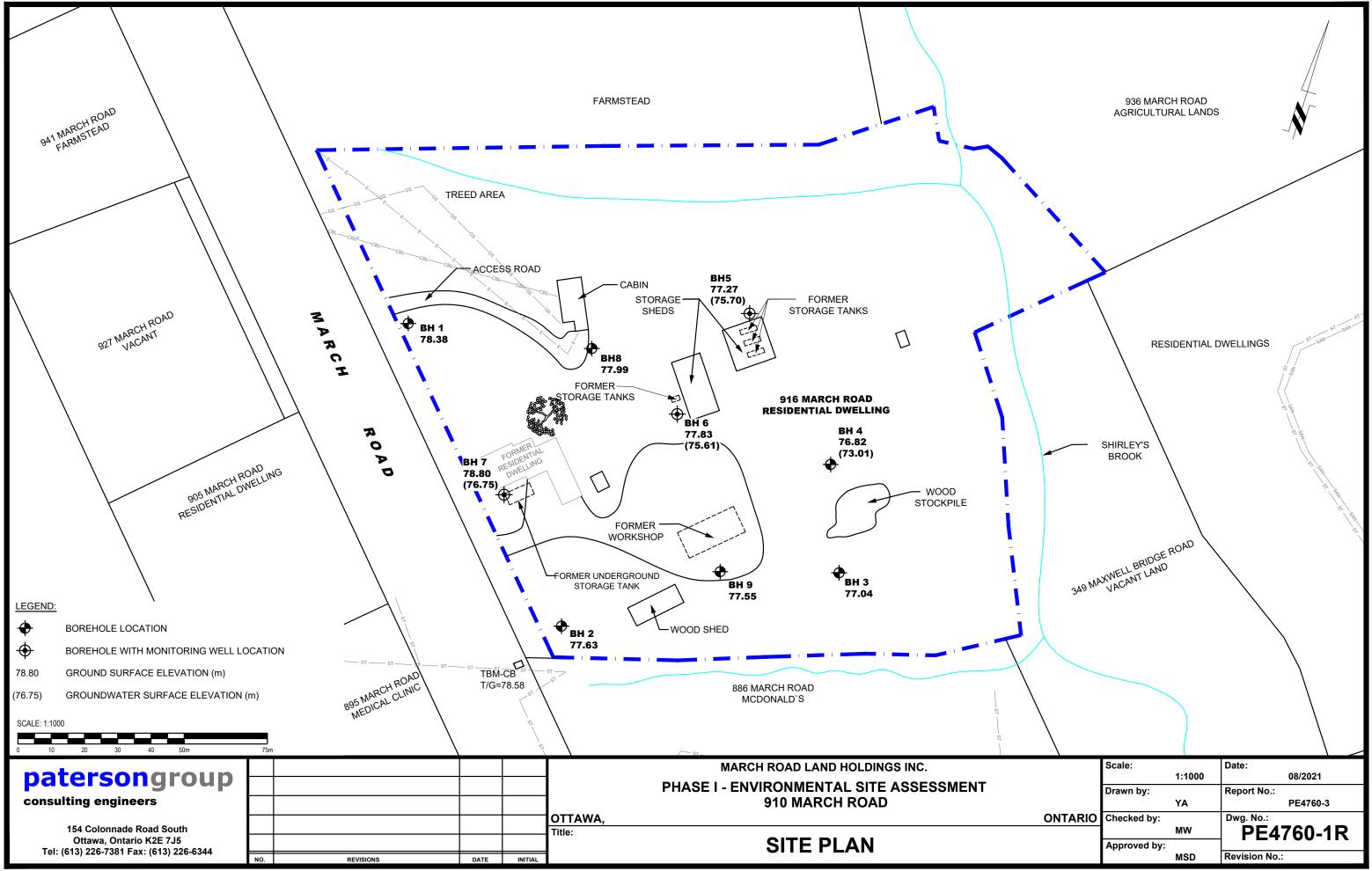
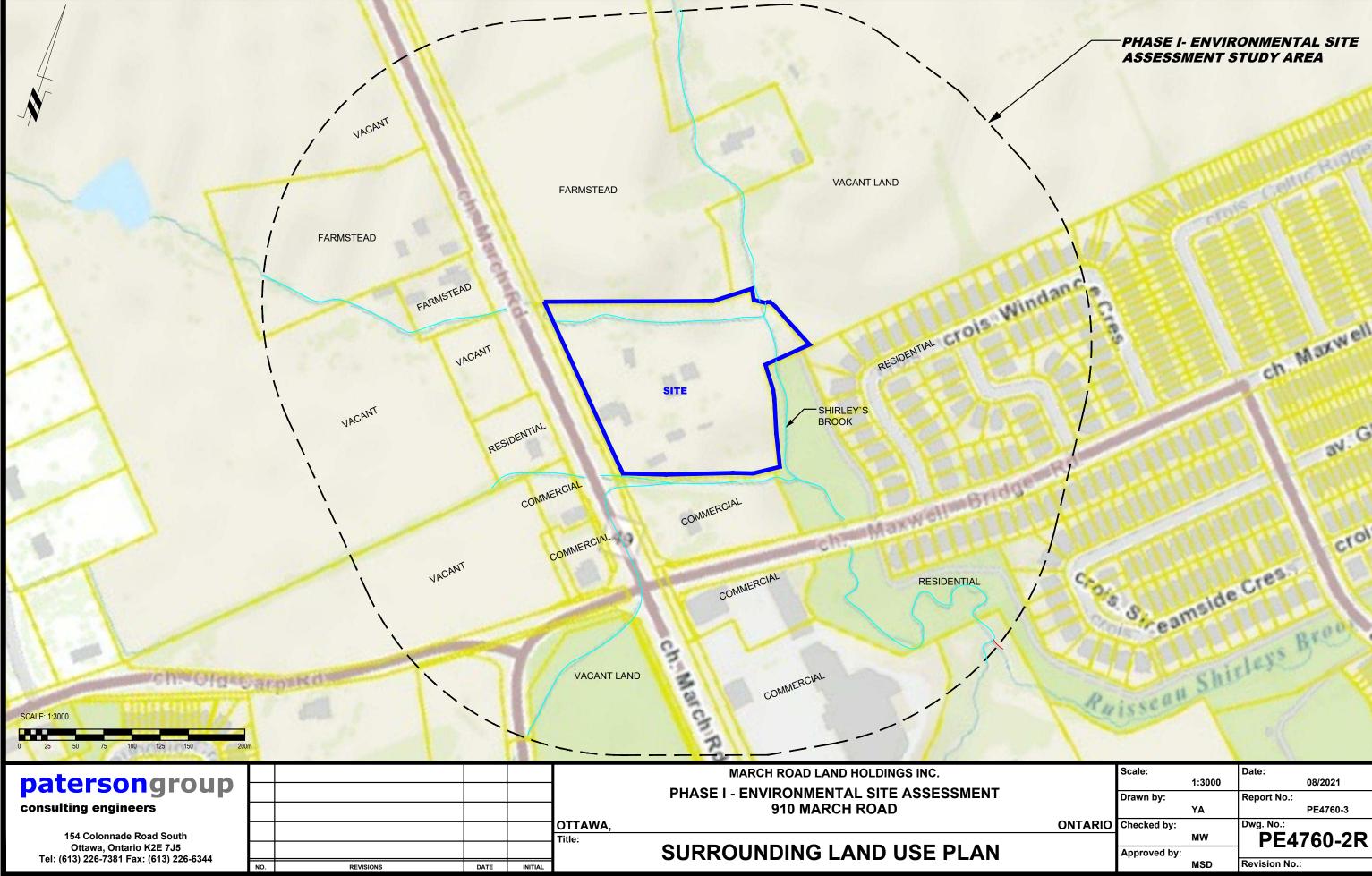


FIGURE 2 TOPOGRAPHIC MAP



utocad drawings\environmental\pe47xx\pe4760\pe4760-1r-site plan



PHASE I- ENVIRONMENTAL SITE ASSESSMENT STUDY AREA

ch. Maxwell

av. GI

crois

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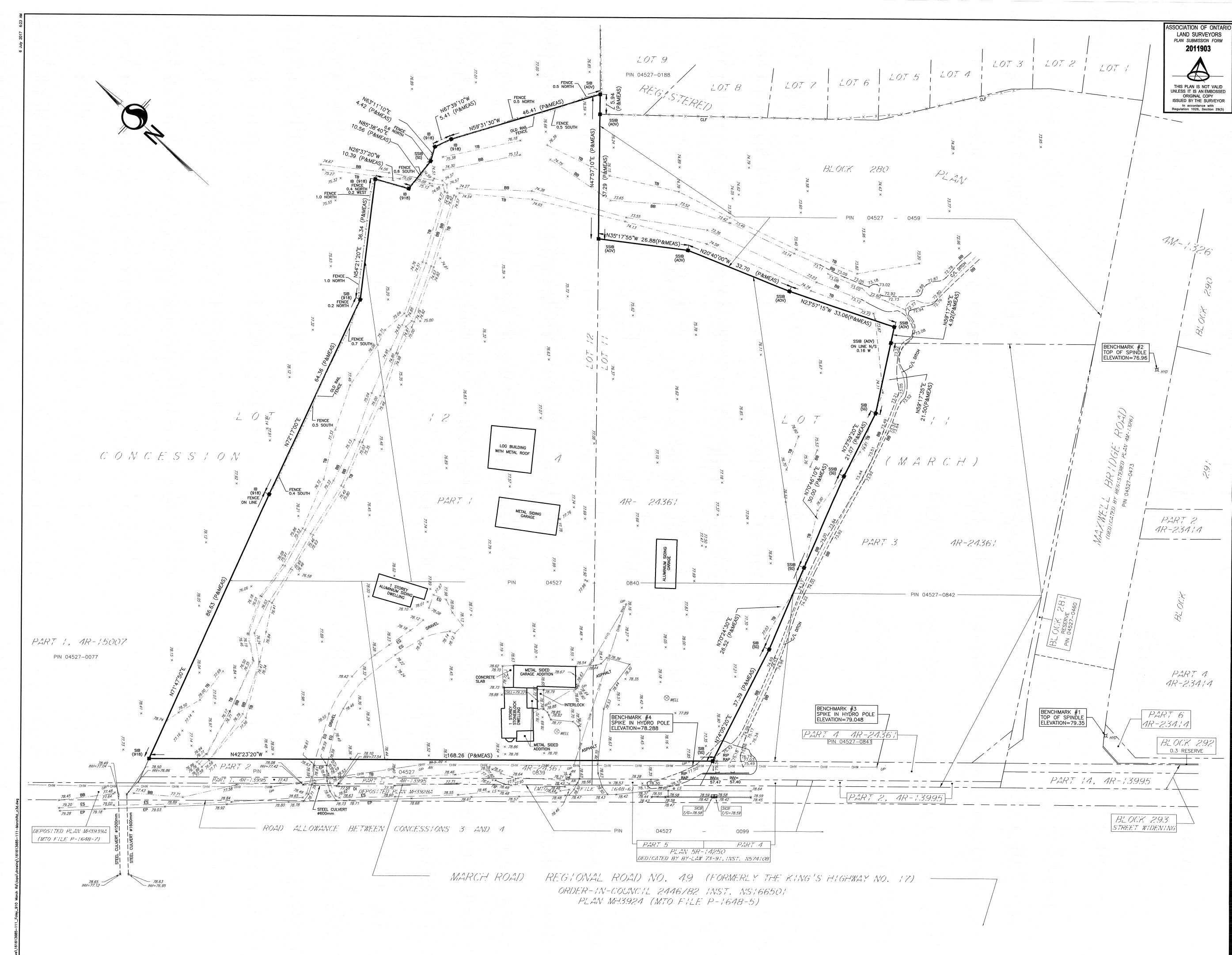
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		YA	PE4760-3
ONTARIO	Checked by:		Dwg. No.:
	-	MW	PE4760-2R
	Approved by:		
		MSD	Revision No.:

APPENDIX 1

SURVEY PLAN

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS





Stantec Geomatics Ltd. 400 - 1331 Clyde Avenue Ottawa ON Tel. 613.722.4420 www.stantec.com

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TOPOGRAPHIC PLAN OF SURVEY PART OF LOTS 11 & 12 **CONCESSION 4** (GEOGRAPHIC TOWNSHIP OF MARCH) **CITY OF OTTAWA**

METRIC CONVERSION

DISTANCES AND COORDINATES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048

GRID SCALE CONVERSION

DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.99994.

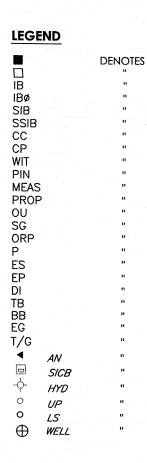
BEARING NOTE

BEARINGS ARE GRID, DERIVED FROM CAN-NET VRS NETWORK GPS OBSERVATIONS ON NCC HORIZONTAL CONTROL MONUMENTS 19773035 AND 19680191, CENTRAL MERIDIAN, 76° 30' WEST LONGITUDE MTM ZONE 9, NAD83 (ORIGINAL).

19773035 N:5006060.42 E:324888.04 19680191 N:5033564.26 E:388064.94

ELEVATION NOTE

ELEVATIONS ARE GEODETIC BASED ON A SURVEY BY AOV DATED JULY 10, 2015. POSITION OF SITE BENCHMARKS #1 AND #2 AS SHOWN HEREON.



FOUND MONUMENTS SET MONUMENTS IRON BAR ROUND IRON BAR STANDARD IRON BAR SHORT STANDARD IRON BAR CUT CROSS CONCRETE PIN WITNESS PROPERTY IDENTIFICATION NUMBER MEASURED PROPORTIONED ORIGIN UNKNOWN STANTEC GEOMATICS LTD. OBSERVED REFERENCE POINT PLAN 4R-24361 EDGE OF SHOULDER

EDGE OF ASPHALT DITCH TOP OF BANK BOTTOM OF BANK EDGE OF GRAVEL TOP OF GRATE ANCHOR SIDE INLET CB FIRE HYDRANT

UTILITY POLE

WELL

LIGHT STANDARD

SURVEYOR'S CERTIFICATE

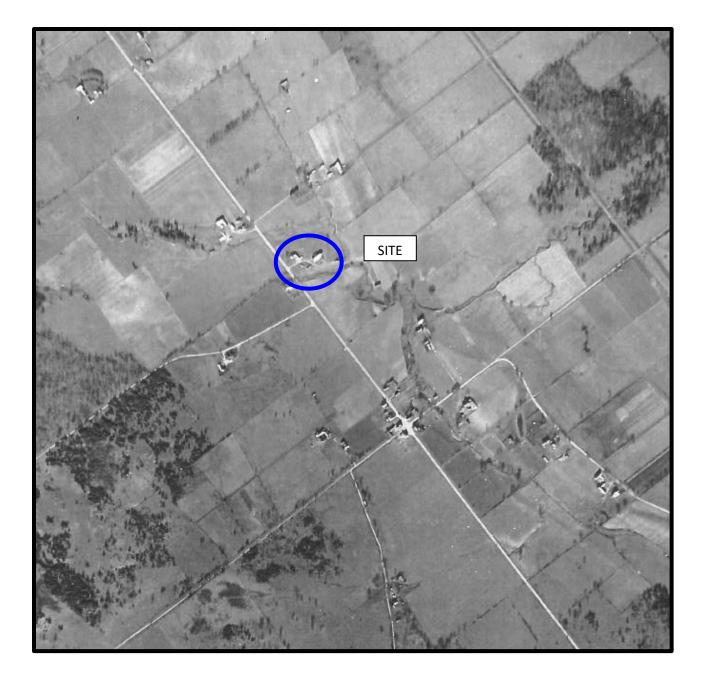
I CERTIFY THAT :

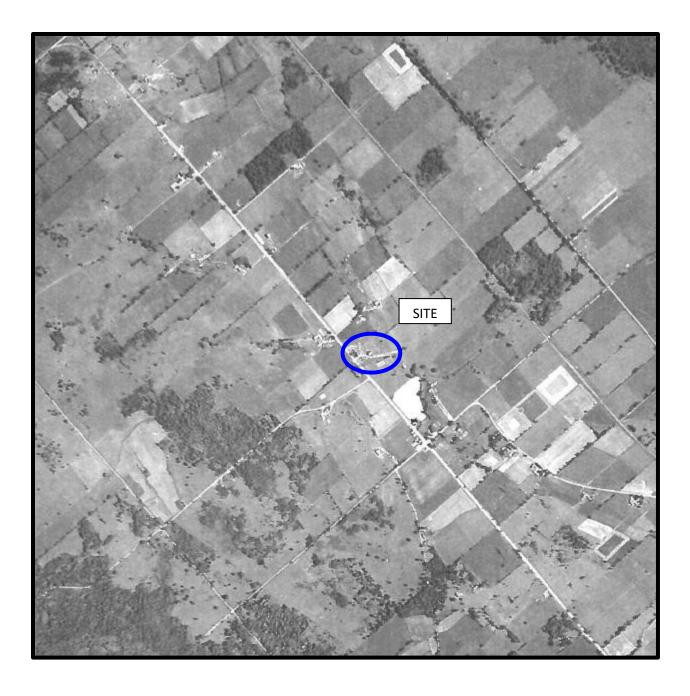
1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT AND THE REGULATIONS MADE UNDER THEM. 2. THE SURVEY WAS COMPLETED ON THE 27th DAY OF JUNE, 2017 .

July 10/17

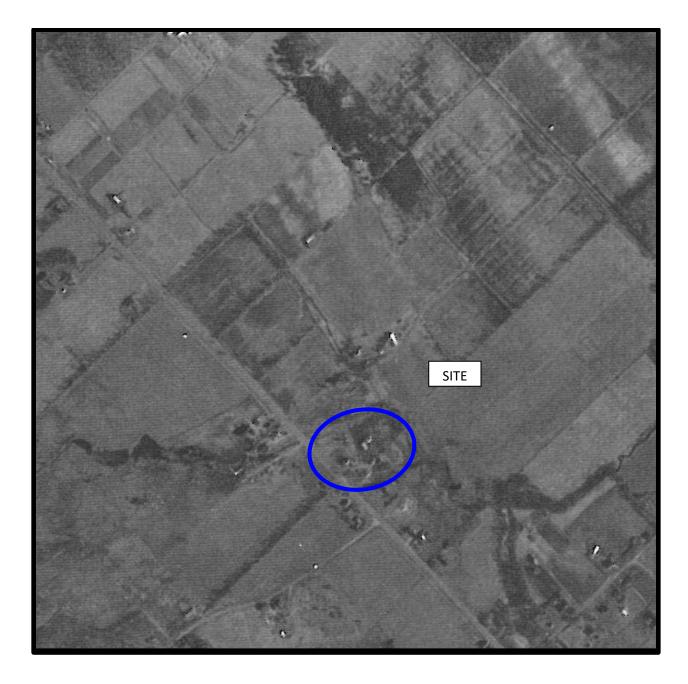
BRIAN J. WEBSTER ONTARIO LAND SURVEYOR

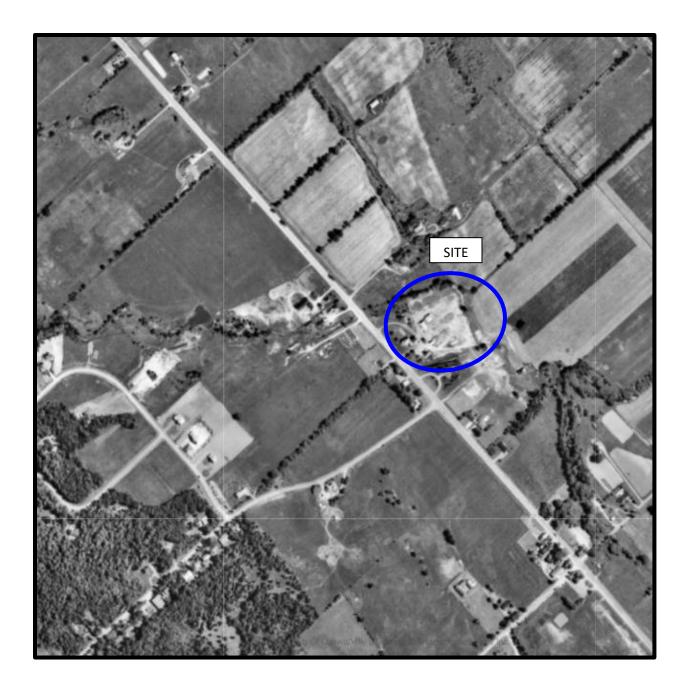












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Site Photographs

PE4760

910 March Road – Ottawa, ON

August 10, 2021



Photograph 1: Northern view of the subject site.



Photograph 2: View of the subject site, taken from the west side of the property.

patersongroup

APPENDIX 2

MECP FREEDOM OF INFORMATION SEARCH REQUEST

MECP WATER WELL RECORDS

TSSA CORRESPONDENCE

CITY OF OTTAWA HLUI SEARCH

ERIS REPORT

Ministry of the Environment, Conservation and Parks Ministère de l'Environnement, de la Protection de la nature et des Parcs

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

Access and Privacy Office

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

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



November 4, 2019

Mandy Witteman Paterson Group Inc. 154 Colonnade Road Ottawa, ON K2E 7J5

Dear Mandy Witteman:

RE: Freedom of Information and Protection of Privacy Act Request Our File # A-2019-06775, Your Reference PE4760

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 910 March Road, Ottawa.

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

The District Office has advised that there may be inactive records in the Records Centre, Mississauga. To retrieve these files there is a charge of \$60.00 with no guarantee that records will be located responsive to your request. If you would like us to retrieve these files, please forward to me payment by cheque (made payable to the "Minister of Finance (FOI)") or credit card in the amount of \$60.00. Credit card forms are available on the Ministry's website <u>http://www.ontario.ca/environment-and-energy/freedom-information-request-form</u>.

Please note, a request for records must usually be answered within 30 calendar days, however Section 27 allows for time extensions under certain circumstances. If you choose to have the search conducted at the Environmental Assessment and Permissions Branch and/or files retrievedfrom the Records Centre, the time for answering your request will be extended for an additional 30 days.

When remitting payment please quote our file number or attach a copy of this letter.

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

If you have any questions regarding this matter, please contact Dany Briollais at 416-314-4075.

Ontario 😵

Ministry of the Environment, Conservation and Parks Freedom of Information Request for Property Information

Instructions

Use this form to:

- · submit and pay for a new FOI request for access to records/information about a property
- pay for a deposit or a final fee on an existing FOI request

Fields marked with an asterisk (*) are mandatory.

Are you: *

Submitting a new FOI Request for Property Information

Paying a deposit or final fee for an existing FOI Request for Property Information

Section 1 – Description of Records Requested

Time Period for Records Requested

From (yyyy/mm/dd) *	To (yyyy/mm/dd) *
1900/01/01	2021/08/11

Type of Record(s) *

All environmental records relating to the identified property/site exclusive of Environmental Approvals and Registrations

Environmental Approvals and Registrations (e.g. Environmental Compliance Approvals; Certificate of Approval; Renewable Energy Approvals; Environmental Activity and Sector Registry Registrations)

Select only if you are seeking access to an Approval or Registration that is not publicly available or if you are also seeking supporting documents relating to the Approval or Registration.

Operator and vendor Pesticide Licenses from September 4, 2018, final Approvals and Registrations are publicly available on the Access Environment website at:

https://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/GoSearch.action?search=basic&lang=en.

Records of Site Condition (RSC) records are publicly available on the Brownfields Environmental Site Registry (BSER).

- RSC records between 2004 to June 30, 2011 are available at: <u>https://www.lrcsde.lrc.gov.on.ca/besrWebPublic/generalSearch</u>
- RSC records filed after July 2011 are available at: <u>https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/earchFiledRsc_search?request_locale=en</u>

✓ Other Specific Document(s)

Specific Documents

List of Documents. Please list the specific documents you are asking for and be as detailed as possible in your description. *

Inactive records in the the Records Centre Mississauga (The District Office).

List any record(s) that should be excluded from the scope of your request (e.g. email correspondences; records originating from your organization/business; records already in your possession, prior year(s) annual reports for approvals)

Please provide any additional relevant information relating to your request. For example, does your request relate to any other ministry business? Please note that this information is being requested only in order to provide contextual information to the Access and Privacy Office and will not in any way affect or expedite the status of any related ministry business identified.

Section 2 – Requester Information

Last Name *	First Name *	Middle Initial
witteman	mandy	
Business/Organization Name (if applicable or indicate	"N/A") *	
Paterson Group Inc.		
Project/Reference Number (if applicable)		
PE4706-2		
Are you submitting this request on behalf of a client? * Yes No Please upload an authorization/consent form from your Name of Client	client in Section 5 (Supporting Docum	entation)
Last Name *	First Name *	
Lepine	Pascale	
Business/Organization Name (if applicable or indicate	"N/A") *	
Lepine Development		
Mailing Address Unit Number Street Number * Street Number * Street Name * 154 Colonnade Rd \$	3	
PO Box City/Town *	5	Province * Postal Code *
Ottawa		ON K2E 7J5
Telephone Number * Email Address	*	
403-921-1157 ext. mwitteman@	patersongroup.ca	

Is there an alternate contact (e.g. office a ☐ Yes	admin)? *	
Section 3 – Current Property Ad	Idress Information	
Are you requesting information about mu	and 🗌 Wind Farm 📄 Federal Land Itiple addresses? *	Island Unsurveyed Land
Property Address		
Unit Number Street Number	Street Name	
910	March Rd	
Full Lot Number	Concession	Geographic Township
City/Town/Village *		
Ottawa		
Closest Intersection		
March Road and Maxwell Bridge Roa	ad	

Section 4 – Previous Property Address Information

Do you want the ministry to search all prior historical addresses for this property/site for the time period of the records requested? *

🗌 Yes 🖌 No

Section 5 – Supporting Documents

Please attach an authorization/consent form.

Please upload any documents (e.g. Maps) that are relevant to your FOI request.

The total size of all attachments must not be more than 8 MB.

1. File Name

Site plan.pdf

Total File Size 0.1 MB

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WATER 3 IRIGATION 7 DUBLIC SUPPLY	old carp road
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m Fresh Sulphur		ic Concrete				Shallow The Recommended pum	P 5 6	47 5	6.18
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Name of Driller or Borer H. Scharf					50
Address		X	.		<i>y</i> -
Date May 23 /63		7007		N	/
		Е 2	: ₩1 ←0T	NY 17 FRWA CAI	2P>
(Signature of Licensed Drilling or Boring Contractor)					· •
Form 7 15M-60-4138		1 3			
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31652 GROUND WATER BRANCE UTM 18 2 4216161610 E 15 .**N**0 (05 R 501212191210 N The FEB 20 1932 Ontario Water Resources Commission Act ONTARIO WATER Elev 4R 0245 RECOR DSOURCES COMMERTON Basin <u>25</u> County or Distric AL ...Township, Village, Town or City... 61 Date completed 12 Con. Lot dress.... **Pumping Test Casing and Screen Record** 47 10 Static level Inside diameter of casing.... G.P.M. Test-pumping rate Total length of casing. Pumping level Type of screen 2 h Duration of test pumping Length of screen. Water clear or cloudy at end of test Depth to top of screen Recommended pumping rateG.P.M. Diameter of finished hole 30 with pump setting of..... feet below ground surface Water Record Well Log Kind of water Depth(s) at То From which water(s) (fresh, salty, d Bedrock Record Overburden aj ۶t Ď found sulphur) 22 16 3 Location of Well For what purpose(s) is the water to be used? In diagram below show distances of well from road and lot line. Indicate north by arrow. Is well on upland, in valley, or on hillside? Ø Drilling or Boring Firm. Address 244 Licence Number.... Name of Driller or Borer. S. MARCH Address Date. (Signature of Licensed Drilling or Boring Contractor) Form 7 15M Sets 60-5930 OWRC COPY CSS.58

31650 WATER RESOURCES DIVISION NO UTV 1 18 2 426465E 34 C, 5 R 50 2 32 70 N The Ontario Water Resources Commission Act JUL 6 1964 Elev. 4 R 0260 ONTARIO WATER RECOR RESOURCES COMMISSION Basin 25 County or District Mar Date completed Lot Con. South March **Casing and Screen Record Pumping Test** 11 Static level Inside diameter of casing 18' Test-pumping rate / 0 Total length of casing G.P.M. Pumping level Type of screen Duration of test pumping / hr Length of screen Water clear or cloudy at end of test cloud Depth to top of screen..... Recommended pumping rate Ğ.P.M. Diameter of finished hole 40 feet below ground surface with pump setting of Water Record Well Log Depth(s) at Kind of water From То (fresh, salty, sulphur) Overburden and Bedrock Record which water(s) ft. ft. found 50 maril and gani Location of Well For what purpose(s) is the water to be used? old In diagram below show distances of well from road and lot line. Indicate north by arrow. Is well on upland, in valley, or on hillside? Drilling or Boring Firm Capita Address 1243 Heron Ottawa) Licence Number 1223Name of Driller or Borer \mathcal{H} Address Signature of Licensed Drilling or Boring Contractor) Date Form 7 15M-60-4138 OWRC COPY BUNGALOW - IMITATION SALTSIDING. 085.68

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Con. 1 / Lot 1	Date completed	(day	month	1969 (year)
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(print in block letters)		() Pumping	n Toet	
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For what purpose (s) is the water to be used?		Location		JI 6
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Claawa 6			# 3.	mi)
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Name of Driller or Borer 3 areas		ふ		
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	County or district	0	TOWNSHIP, BOROUGH, CITY	Y, TOWN, VILLAGE	•	CON.	BLOCK, TRACT,	SURVEY, ETC.	•	LOT 25-27
	OWNER (SURNAME FIR	RST) 28-47	ADDRESS				3	DATE CO		211 78 69
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	LO	G OF OVERBUR	DEN AND BEC	DROCK MA	TERIALS (SEE	INSTRUCTIONS)		- -
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OF WELL	3 TEST HOLE 4 RECHARGE WELL			4 >				
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TID UMPING TEST MET STATIC LEVEL 19-21 020 FEET 020 FEET 19-21 19	2 BAILER 20 1 WATER LEVEL END OF PUMPING 25 WATER WATER WATER 26 22-24 15 MINUTES 070 26 070 FEET 070 F 38-41 PUMP INTAKE 6PM 6PM MP TYPE PUMP SETTING 70	LEVELS DURING 1 LEVELS DURING 1 S 30 MINUTES 45 MINU C28 070 29-31 070 FEET 070 070 070 FEET 1 CLI	15-16 HOURS A PUMPING RECOVERY TES 60 MINUT 532-34 FEET 700 FEET 7	5-37 FEET 42	IN DIA Lot L	GRAM BEI	LOCATION O LOW SHOW DISTANCES DICATE NORTH BY AR + AND	S OF WELL F		AND
FINAL STATUS OF WELL • • • • • • • • • • • • •	4 🗆 INDUSTRIAL	7 UNITINISHED 5 COMMERCIAL 6 MUNICIPAL 7 DUBLIC SUPPLY 8 COOLING OR AIR CO	OOR QUALITY	PLY			45 mile	# hnnt		
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Ministry of the			The (Ontario Water Resour	ces Act	31G5d
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41 WATER RECORD			RECORD	Z (SLOT NO)	1-33 DIAMETER 34-3	
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25-28 1 _ FRESH 3 _ SUI 2 _ SALTY 4 _ MIT	LPHUR 29			10-13 T4-17 18-21 22-25		
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SI SHALLOW DEEP S	ETTING 075 FEET RATE	205 gpm.		House		5
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Boy 490 Stitl	eville, Ontari		5 22/0	5-(7.9) Inspector	ß	
S Miller Signature of contractor	SUBMISSION DATE	EICENCE HUMBEN				
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Γ	NAME OF WELL			LICENCE NUMBER	Ī		54	CONTRACTOR 59-62	051	0 8	9 63-64 10
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		LER OR BORER		A 3GO LICENCE NUMBER							
CON.		dontractor	vanagh SUBMISSION DATE			OFFICE					
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Instructions	for Completi	ng Form		A035457				: 5	page	of
For use in	n the Province	of Ontario	only. This docu	ment is a perr	manent lega	al document. I	Please retain for f	uture refere	ence.	
 All Section Question All metre 	ons must be con s regarding con e measuremen	mpleted in f npleting this ts shall be	ull to avoid delay application can reported to 1/1	ys in processi 1 be directed t	ing. Further	instructions ar	nd explanations are ment Coordinato	e available oi r at 416-23	n the back of	f this form
	rint clearly in blu		ink only. tion of Well In	formation	MUN		CON	Use Only	LOT	
	0-1110111011									
tawa Car	leton				Kanat	9		3	Concession	11
RR#/Street Nun	nber/Name			n an	City/Town/Vi	illage	Site/Co	mpartment/E	Block/Tract et	
27 March SPS Reading				orthing	Unit Make/M	lodel Mod	e of Operation:	Undifferentiate		aged
og of Overl			5 <u>3 76 5</u> 1 Iterials (see ins	0 233 79 structions)	Garmin	<u>ti</u>		Differentiated,	specify	
eneral Colour	Most common	material	Other M	Materials		Gener	al Description		Depth From	Metres To
own	Clay					Pac	:ked		0	1.9
cay	Limesto	ne				Har	•d	· · · · · · · · · · · · · · · · · · ·	1.98	12.1
ray & Whi	te Sandsto	ne				Har	<u>.</u> d		12.19	22.2
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				÷.						
Holo D	liameter					^ 		T		
	etres Diameter	Inside	Con	wall	Depth	Metres	Pumping test met	Test of Well		ecovery
	Fo Centimetres	diam	Material	thickness	From	То	submersibl	e Time Wa	iter Level Time Metres min	Water Lev Metres
	75 22,75			Casing			Pump intake set a (metres) 19_81			
9.75 22.	24 15.55	15.86	Steel Fibreglas		+ .45	9.75	Pumping rate - (litres/min) 54	1 2	73 1	4.90
Water	Record		Plastic Concrete				Duration of pumpi		.81 2	4.85
ater found Metres	Kind of Water		Steel Fibreglas	s			Final water level e	min		
	Fresh Sulphur Salty Minerals		Plastic Concrete				of pumping 5	and <u>3</u> Haras	.81 3	4.82
Other:	· · · · · · · · · · · · · · · · · · ·		Steel Fibreglas	is			Recommended pu	· - 3.	85 4	4.78
Gas SI	Fresh Sulphur Salty Minerals		Plastic Concrete				Recommended pu	imp 5 🧑	87 5	4,75
Other:	resh	L.	Galvanized	Screen			depth. 15.23ne Recommended put		03 10	4.61
	Salty 🗌 Minerals	Outside diam	Steel Fibreglas	s Slot No.			rate. 45 5 (ittrestmin)	15 👍	13 15	4.52
fter test of well	yield, water was		Plastic Concrete				(litres/min)	25 4	22 20 30 25	4.45
Clear and sed				Casing or Scr	een		If pumping disconti ued, give reason.	n- <u>30</u> 4	36 30 47 40	4.31
hlorinated 🕱 Y		10 00	Open hole		1	22.24		50 4	57 50	4.22
		<u></u>	· · · · · · · · · · · · · · · · · · ·		9.75	22.24			64 60	4.08
Depth set at - Met			urry, neat cement slur	Tul Volun	bandonment ne Placed		w show distances of w	on of Well rell from road,	lot line, and bu	ilding.
From To		- Bento	nite Slurry		ic metres) m3	Indicate north b	y arrow.			10
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·								1	i.	
							Sitless			
	Ň	lethod of C	onstruction				2	,000		
Cable Tool Rotary (conver	ntional) 🔀 Air pero		Diamond		Digging Other					
Rotary (reverse			Driving			1	# 927		İ	
Domestic Stock	Industri		Dse Public Sup	pply	Other		Monch F			
] Irrigation	Municip	Final Statu		air conditioning		Audit No. Z	46998	Date Well Co	2006	MM DD
Water Supply Observation w	Recharge w	ell , insufficient su	Unfinished		oned, (Other)		wner's information	Date Delivere	d YYYY	MM DD
Observation we	Abandoned,	poor quality	Replacem	ient well				Use Only		6 28
	ntractor		nnician Informat	Well Contractor's I	Licence No.	Data Source		Contractor	155	Q
	and the Calmente	v Ltd.		1558		L		Data of lances		8
apital W	s (street name, numb	per, city etc.)			ji t	Date Received	YYYY MM ቦቦ	Date of Inspec	cuon yyyy	MM DD
ox 490	s (street name, numb Stittsvill	per, city etc.) e. Ontar	10 K2S 1A6	Nell Technician's		JUL				
apital Wi usiness Address ox 490 ame of Well Tec	s (street name, numb	per, city etc.) e. Ontar	ľ	Well Technician's TOO97 Date Submitted				Well Record		

(V) Ont	tario	Ministry of the Enviror		ell Tag Nu	mber (Plac	ce sticker and pri	nt number k	elow)	Regulation 90	3 Ont			
line travelier no f				1.) Onte			of
 Instructions f For use in 	-	-	only. This do	ocument i	s a perm	anent lega	Idocum	ent P	」 lease retain for futur	e ref		ugo _	0,
 All Section 	s must be cor	npleted in f	ull to avoid d	elays in p	rocessir	na. Further i	nstructio	ons and	d explanations are available to a second the second s	ailable	e on the ba	ick of	this form.
 All metre r 	measurement	s shall be	reported to	1/10 th of	a metre.				Ministry Us				
Well Owner's	nt clearly in blu			Informa	ition	MUN		C				LOT	
							<u></u>						
Ottawa Ca						Kanata			1			4	
RR#/Street Numb 941 March		· ·			· []	City/Town/Vi Kanata	•		Site/Compa	irtmer	nt/Block/Tra	act etc).
GPS Reading	NAD Zor 8 3 18		390	Northing 50234		Unit Make/M	odel	Mode	· · · · · · · · · · · · · · · · · · ·	lifferent erentiat	lated 😽	Avera	ged
Log of Overbu		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		<u> </u>	1			· · · · · · · · · · · · · · · · · · ·				
General Colour	Most common	material	Oth	er Material	s			Genera	I Description		Dep Fro		Metres To
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							tite.						· · · · · · · · · · · · · · · · · · ·
Hole Dia				Construct	tion Reco	ord			Tes	t of V	Vell Yield		
Depth Metr From To		Inside diam	Material	1	Wall ckness	Depth	Me	tres	Pumping test method	<u> </u>	aw Down Water Level		ecovery Water Level
		centimetres		cen	timetres	From	T	D .	Pump intake set at -	min Static	Metres	min	Metres
			Steel Fibr	Cas	ing		<u>, 2 .</u> T		(metres) Pumping rate -	Level		1	
			Plastic Con	- C					(litres/min)				
Water R Water found	Kecord Kind of Water	[Galvanized	oglass					Duration of pumping	2		2	
	esh 🗌 Sulphur		Plastic Con	- TANA					Final water level end of pumping	3		3	
Gas Sa	Ilty Minerals		Galvanized				1		Recommended pump type.	4		4	
│ m │ Fre	esh 🔲 Sulphur Ilty 🗌 Minerals			Ŭ					Shallow Deep Recommended pump	5		5	
Other:	· · <u>·</u> · · · ·		Galvanized		reen				depthmetres	10		10	
Gas Sa	esh 🔄 Sulphur alty 🗌 Minerals	Outside	Steel Fibr		lot No.			· .	rate. (litres/min)	15		10 15	· · · · · · · · · · · · · · · · · · ·
After test of well yi	ield, water was	diam	Plastic Con						If flowing give rate - (litres/min)	20 25		20 25	
Clear and sedir			Galvanized						If pumping discontin- ued, give reason.	30		30	
Other, specify				No Casin	g or Scr	een	1			40 50		40 50	· · · · · ·
Chlorinated U Ye	es 🗌 No		Open hole							60		60	
P Depth set at - Metre	lugging and Se		rd	Annular spa t slurry) etc	Volum	pandonment ne Placed	In diagr	am belov	Location of which we be a constructed by the second			and bu	lding.
From To 6.09 0					· · · · ·	c metres) h hole	Indicate	north by	r arrow.				
0.09 0	GIUULE		nite Slur	LY	ZINC	THOTE	10	7			1		
											1		
											4		
	P	Method of (Construction								1		
Cable Tool	Rotary ional) Air per	• •	Diam] Digging] Other			•	-	<u> </u>		
Rotary (reverse)			Drivir	•					March F	14			
Domestic	Industri		r Use	c Supply		Other							
Stock	Comme		🗌 Not ι 🔲 Cool	used ing & air con	ditioning		Audit N	0.	47000 Da	te Wel	Completed	~	MM DD
Water Supply	Recharge w		us of Well	ished	Ahand	oned, (Other)		<u>Z</u>	47023	te Deliv	20	06	MM DD 7 20 MM DD
Water Supply Observation wel	I D Abandoned	, insufficient su	upply 🔲 Dewa	atering				e delivere					
Test Hole	Well Cor	, poor quality htractor/Tec	L_∣Repla Repla				D. L. C		Ministry Us		or 🛋		
Name of Well Cont Capital	ractor Water Supj	oly Ltd.			ontractor's l 558	Licence No.	Data S	ource		ontracto	- "L (58
Business Address ((street name, num Stittsvil	ber, city etc.)					Date Re	eceived		te of In	ispection _Y	YYY	MM DD
Name of Well Tech	nician (last name,	first name)	<u>AV 840</u>	Well Te	10007	Licence No.	Remar		2 5 2006 w	ell Rec	ord Number		
Miller St. Signature of Tophn	icia//Contractor			Date Sub	mitted YYYY	MM DD							
X 0506E (09/03)	hang	Con	ractor's Copy	 □ Ministr	2006 y's Copy	7 20	ner's Cor	y 🗋	Cette I	ormul	le est dispo	nible	en français

(\mathcal{A})	Ont	ario	Ministry of the Enviro			Number (Pla 41907	ace sticker and pri	and print number below) Well Re Regulation 903 Ontario Water Resou				
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AllQue	Sections. estions re	must be c egarding co	ompleted in	full to avo s applicat	id delays i ion can be	n processi directed t	ng. Further i o the Water	nstructions a	and explanations ar ement Coordinato	e available c	on the back o	of this form.
Ple	ase print	clearly in t	olue or black	ink only.		¢			······································	y Use Only		
Well O	vner's l	nformatio	on and Loca	tion of V	Vell Infor	mation	MUN		CON		LOT	
	va Cari		,	,			Kanata			11	4	
	et Numbe March		•				City/Town/Vi Kanata	llage	Site/Co	ompartment/	Block/Tract e	tc.
GPS Rea		NAD 2	Zone Eastin 18 426	9 5 390	Northir	ng 2 3443	Unit Make/M Garm1n	odel Mo	de of Operation:	Undifferentiated,		raged
Log of	Overbu		Bedrock M				Varmin		· · · · · · · · · · · · · · · · · · ·	Differentiated,		
General (Colour	Most comm			Other Mate	erials		· · · · · · · · · · · · · · · · · · ·	eral Description		Depth From	Metres To
Brown		Cla	••••••					Packed	······································		0	2.74 11.58
grey	white		stone stone					Hard			11.58	22,24
<u>a/</u>											11.50	Lo Ko ¥ 40 T
						·						
										- <u>.</u>		
				1								
Depth	Hole Dian Metres				Constr	uction Rec	1,		Dumping test me	Test of We		Recovery
From	To	Centimetro	es diam	Mate		Wall thickness	Depth	Metres	Pumping test me	TimeW	ater Level Tim	e Water Level
0	6.40	22.7	5 centimetres			centimetres	From	То	Pump intake set (metres) 18.2	at - Static	Metres mir	n Metres
6.40	22.2	4 15.2	3	Steel		Casing		2	Pumping rate -	1 5.	.83 1	5.46
	Water Re	cord	15,86	Plastic Galvanize		.48	+.45	6,40	(litres/min) 50		08 2	5.41
Water fou at Me	nd tres / K	ind of Water		· · · · ·	Fibreglass					_ min		5.39
20, 7 Gas	Salt	/ 🔲 Minera		Plastic Galvanize	Concrete				of pumping7 .0	ietres		
Other		h Sulphu		·····	Fibreglass				Recommended p type. ☐ Shallow ◄		5.30 4	5.36
Gas	Salt			Plastic Galvanize] Concrete ed				Recommended p depth 15.23	etres	5.35 5	5.34
						Screen			Recommended p			5.23
Gas	Salt	y Minera	als Outside diam		Fibreglass	Slot No.			rate. (ittres/min) (ittres/min) If flowing give rat		5.62 15 5.69 20	
	of well yiel and sedime	ld, water was ent free		Galvanize	- 5 C				(litres/min)		5.76 25 5.79 30	5.12 5.10
Other	, specify				No Ca	sing or Sc	reen	1	ued, give reason.	40 (5 .88 40	5.07
Chlorinat	ed 🎽 Yes	No	15,23	Open hole	e		6,40	22.24		50 6 0 7		5.04 5.02
Denthese			Sealing Reco	ord	Annular :		Abandonment me Placed			tion of Well	tot Base and b	1.1
From	t at - Metres		l type (bentonite :			eic. (cub	ic metres)	In diagram be Indicate north	elow show distances of by arrow.	well from road,	, iot line, and b	aunaing.
6.4		Grou	ted Benti	onite S	Slurry	2	1m3	AT	1	1 # 941		
									ł	1		
					<u>.</u>				ŧ		- 18	
			Method of	Construct	ion							
Cable	Tool (conventio	Rota	ary (air) percussion		Diamond Jetting	_	Digging Other		t .		(A) less	
<u> </u>	(reverse)		ng		Driving							
Dome	stic	Indu	strial	er Use	Public Supply	· [Other		March R	£.		
Stock			icipal	🛄	Not used Cooling & air	 conditioning		Audit No.	17001	Date Well C	Completed	MM DA
Mat-	Supply	Recharge		tus of We	ll Unfinished		doned, (Other)		47021	Date Deliver		MM 18
	vation well	Abandon	ed, insufficient s	upply 📋	Dewatering	••• · · · · · · · · · · · · · · · · · ·		package deliv			2006	718
Test	· · · ·	Well C	ed, poor quality ontractor/Te			า	Lineset	Data Source		y Use Only Contractor		
	Well Contra		umber, city etc.)		Wel	Contractor's	LICENCE NO.	Data Source			15	58
			imber, city etc.)	ario Vi	2S 146			Date Receive	^d 2 [°] 5 [°] 2006 ^D	Date of Insp	pection YYYY	MM DD
Name of	Vell Techni	ician (last nan Stephen	ne, first name)		Wel	I Technician's		Remarks		Well Record	d Number	
Signature	of Appinic	iap Contracto	N		Date	Submitted yyy						
0506E (09		wome	Cor	tractor's Co	opy 🗌 Min		Well Ow	ner's Copy] C	ette formule	est disponible	e en français

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Ontario Ministry of the Environment	Well Tag No. (Place Sticker al	nd/or Print Below)	Well Record
Unitario the Environment	ALIA	Regulat	ion 903 Ontario Water Resources Act
Well Owner's Information	L N T		Page of
First Name Last Name	E-mail Addre	₿ ^s - C C	Well Constructed
Mailing Address (Street Number/Name, RR)	nents 10 tas	Province Postal Co	de Telephone No. (inc. area code)
38 Concourse Ga	fettel Nepean	Ont KAE	
Part A Construction and/or Major Alteration of Address of Well Location (Street Number/Name, RR)	of a Well	∧ Lot	Concession
#886 March	Kood May	rdh 11	4
County/District/Municipality	City/Town/Village	$\hat{\mathbf{D}}$	Province Postal Code
UTM Coordinates Zone Easting Northing	GPS Unit Make Mode	Mode of Operation:	Undifferentiated Averaged
NAD 8 3 K 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	s on the back of this form)	Differentiated, specif	y
General Colour Most Common Material	Other Materials	General Description	Depth (<i>Metres</i>) From To
6° Dri	led well A	bondonmens	+ 0 2408
Annular Space/Abandonment Depth Set at (<i>Metres</i>) Type of Sealant Us	sed Volume Placed	Check box if after test of well yield,	Vell Yield Testing Draw Down Recovery
From To (Material and Type	e) (Cubic Metres)	water was:	Time Water Level Time Water Level (Min) (Metres) (Min) (Metres)
24. 0,12 Apleting	en de la companya de	Cannot develop to sand-free state	Static Static
0,15 0 Deil '	Management and a state of the s	If pumping discontinued, give reason	
		Pumping test method	2 2
			3 3
Method of Construction	Water Use	Pump intake set at (Metres)	4 4
Rotary (Conventional)	Municipal Dewatering	Pumping rate (Litres/min)	5 5
Rotary (Air) Digging Irrigation	Test Hole Monitoring Cooling & Air Conditioning	Duration of pumping	10 10
Air percussion Boring Industrial	cify	hrs + min	
Status of Well		Final water level end of pumping (Metres)	20 20
Water Supply Dewatering Well Replacement Well Abandoned, Insufficient Supplication	Observation and/or Monitoring Hole Alteration (Construction)	Recommended pump/type	25 25
□ Test Hole Abandoned, Poor Water Qual	ity Other, specify	Shallow Deep Recommended pump depth	
Location of We	Ш	Metres	
Please provide a map below showing: - all property boundaries, and measurements sufficient to loc		Recommended pump rate (Litres/min)	40 40
 - an arrow indicating the North direction - detailed drawings can be provided as attachments no large 	Nº P	If flowing give rate (Litres/min)	50 50
			60 60
1986	6 March Road		er Details
T	erch Re ,	Metres Gas F	resh Salty Sulphur Minerals
V la	5' od		of Water resh
		Water found at Depth Kind	of Water
xisr			resh Salty Sulphur Minerals
Real		Casing Used Screen Use	d Casing and Well Details Diameter of the Hole (Centimetres)
House	7	Steel	
Date Well Completed Was the well owner's information	Date the Well Record and Package	Fibreglass	Depth of the Hole (Metres)
www/mm/dd) package delivered?	Delivered to Well Owner (yyy/mm/dd)	Concrete Concrete	Wall Thickness (Metres)
Well Contractor and Well Tech		No Casing and Screen Use	d Inside Diameter of the Casing (Metres)
Business Name of Well Contractor	Well Contractor's Licence No.	Disinfected?	Photo of the Cost of Martin
Busidess Address (Street No./Name, number, RR)	Monicipality	Yes No	Depth of the Casing (Metres)
Province Postal Code Business E-mail	Address		y Use Only
Province Postal Code Business E-mail	UUU1692	Audit No. z 60172	Well Contractor No.
Bus. Telephone No. (inc. area code) Name of Well Technician	h	Date Received (7/2007//dd)	Date of Inspection (yyyy/mm/dd)
Well Sechniciag's Licence No. Signature of Technician	Date Submitted (vyy/mm/dd)	Remarks	
14 Harry D	2007-09-08		
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Ontario Ministry of the Environment

Well Tag No. (Place Sticker and/or Print Below)

Well Record Regulation 903 Ontario Water Resources Act

Page	of

Well Owner's Information								Line			- to d
First Name McKeown Construction	Last Name		E-n	nail Address	S					by Well	owner
Mailing Address (Street Number/Nan	ne, RR)	Municipality			Provi		Postal Code		Telephone M		
P.O. Box 296 Part A Construction and/or Ma	jor Alteration of a	Greely Well			On	tario	K 4P 1 1	CN CN	6 13 8	2 1	4 00 0
Address of Well Location (Street Nun		Townsh	hip	Ka	nata		Lot 10		Concession	3	
846 March Road		City/To	wn/Villa		mata		10	Provin	ce	Postal	
Ottawa Carleton	his site is a	0.000 // //			anata	Made of	Oceretice:	Ont			
VTM Coordinates Zone Easting	7 9 65 02 3 0	GPS Unit	Make	Model GArmi	in		Operation:	Undiffe	rentiated	Ave	raged
Overburden and Bedrock Materia		he back of this form))	ONTINI						Dopth	(Metres)
General Colour Most Common	Material	Other Materials				General [Description			From	To
						Server State	1				
		Ster and		1200			Contraction of				
Annular Spa	ce/Abandonment Se	aling Record					Results of We	ell Yie	ld Testing		
Depth Set at (<i>Matres</i>) From 1 To	Type of Sealant Used (Material and Type)			e Placed Metres)	Check b water wa		st of well yield,	D	Water Leve		ecovery Water Level
	- Bentonite,	3/4 inch H			_	ar and sand	d free p to sand-free	(Min) Static	(Metres)	(Min) Static	(Metres)
16.76 0 Grouted	- bentonite,		5 bag		stat	le	ued, give reason:	Level		Level	
			J Dag		" pointpa	ng alooonan	aco, gire reason	1		1	
					Pumpin	g test meth	od	2		2	
Method of Construction		Water Use			Pump in	ntake set at	(Metres)	3		3	
Cable Tool Diamond		Commercial		Not used	Dumpin	g rate (Litre	e/min]	4		4	
Rotary (Conventional) Jetting Rotary (Reverse) Driving	Domestic Livestock	Municipal		Dewatering Monitoring	Pumpin	g rate (Line	i arrining	5		5	
Rotary (Air) Digging Air percussion Boring	Irrigation	Cooling & Air	Conditio	ning		n of pumpir hrs +	ng min	10		10	
Other, specify	Other, specify	/			Final wa	ater level en	d of pumping	15		15	
Water Supply	Status of Well	Observation ar	nd/or Mor	nitoring Hole	(Metres)	mended pu	mn hano	20		20	921
	ned, Insufficient Supply ned, Poor Water Quality	Alteration (Co		in)	Shi		Deep	25		25	
	ned, other, specify				Recom	mended pu		30		30	
Please provide a map below showing:	Location of Well				Recom	mended pu		40		40	
 all property boundaries, and measurer an arrow indicating the North direction 		the well in relation t	to fixed p	points		ng give rate		50		50	
 detailed drawings can be provided as vidigital pictures of inside of well can a 	attachments no larger th	an legal size (8.5" b	y 14")	R	(Litres/n	nin)		60		60	
				1.			Wate	r Deta	nils		
					Water	found at D		of Wat		Sulphur	Minerals
	# 846				Water	found at D	Pepth Kind	of Wat	er		
	~ 6 TO	Rd			Water	Metres found at D	0000	of Wat		Sulphur	Minerals
	()	arch				Metres				Sulphur	Minerals
		Mar			Cas	ing Used	Screen Use	_	Casing	a second s	I Details
		- 2			Galv	anized	Galvanized		ameter of th	e noie (C	enameaesy
		1				eglass	Fibreglass	C	epth of the H	lole (Metri	es)
(yyyy/mm/dd) package deliv		Date the Well Record Delivered to Well On			Plas	tic crete	Concrete	V	Vall Thicknes	s (Metres))
2008/3/3	or and Well Technic	ian Information			No	Casing a	nd Screen Use	d	iside Diamet	er of the C	Casing (Metres
Business Name of Well Contractor		and the second se		Licence No.		pen Hole					
Capital Water Supply Business Address (Street No./Name,	Ltd.	1 Municipality	5	5 8	Disinfec	ted? es 📋 No		1)epth of the C	asing (M	etres)
Box 490	contract, every	Stitts	svill	e	É		Ministr	-			
Province Postal Code	Business E-mail A				Audit N	°z 77	317	Well	Contractor N	lo.	
Ontario K 2 \$ 1 A 6 office capitalwater.ca Bus.Telephone No. (inc. area code) Name of Well Technician (Last Name, First Name)					Date Received (yyyumm/dd) Date of Inspection (yyyu/mm/dd)				n/dd)		
6 13 8 3 61 7 6 6 Well Technician's Licence No. Signatur	Miller, Ste	phen Data Sur	hmitted	(vyvy/mm/dd)							
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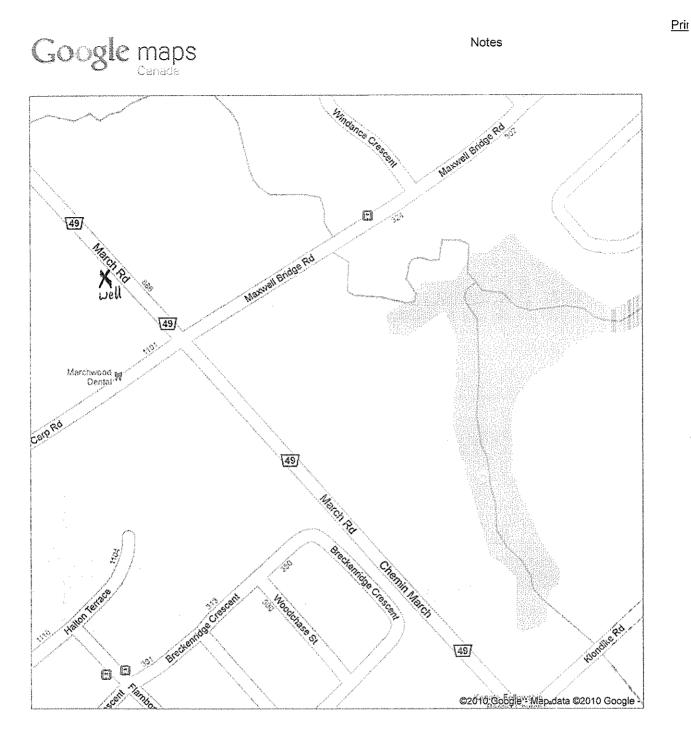
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Province		Post	al Code	Bu	isiness	E-mail Add		titts	ville	L							
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McKeov	wn Contracting dress (Street Number/Na	Last Name / C	Irganization		due la contra	E-mail Address				by W	Constructed /ell Owner
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Well Loc	ation					Ontario	KOA2	WO	613 8	22 2	2599
	f Well Location (Street Nu arch Road	mber/Name)			Township Canata		Lot 11		Concession	1	
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General C	Colour Most Comr	non Material	iment Sean		ner Materials		eral Description				pth (<i>m/ft</i>)
										From	То
		Annular S	Space				Results of We	ell Yiel	d Testing		
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					1148 (5 0485)	If pumping discontinue	ed, give reason:	Static Level			
						Deside	10-1	1.		1	
						Pump intake set at (i	m/ft)	2		2	
Meth	hod of Construction			Well Us	e	Pumping rate (Vmin /	GPM)	3		3	
Cable To	Conventional)	Publ		Comme Municip		Duration of pumping		4		4	
Rotary (F	Reverse) Driving	Lives	stock	Test Ho	le Monitoring	hrs +	min	5		5	
Boring		Irriga		Cooling	& Air Conditioning	Final water level end o	of pumping (m/ti)	10		10	
Other, st			er, specify			If flowing give rate (1/	min-/ GPM)	15		15	
Inside	Construction Re Open Hole OR Material	Wall	ng Depth (n	n/ft)	Status of Well Water Supply	Recommended pump	p depth (m/ft)	20		20	
Diameter (cm/in)	(Galvanized, Fibreglass, Concrete, Plastic, Steel)	Thickness (cm/in)	From	То	Replacement Well Test Hole			25		25	
					Recharge Well Dewatering Well	Recommended pump (I/min / GPM)	p rate	30		30	
					Observation and/or	Well production (I/mir	n / GPM)	40		40	
					Monitoring Hole	Disinfected?		50		50	
					(Construction) Abandoned,	Yes No		60		60	
Outside	Construction R	ecord - Scree		1	Abandoned, Poor	Plazes provida a man	Map of We		the second s	a dh	
Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (n From	νπ) Το	Water Quality Abandoned, other,	Please provide a map	below following	Instruct	ons on the ba	JCK.	
					specify	$\left \begin{array}{c} \mathbf{\lambda} \\					
					Other, specify	1					
ana sa	Water Det		In the state of	н	ole Diameter						
	d at Depth Kind of Water v/ft) □ Gas □ Other, spe		Untested	Dept From	h (m/ft) Diameter To (cm/in)	Rd	GLO				
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	v/ft) Gas Other, spe		Unitested			arch					
Businese N	Well Contracto ame of Well Contractor	r and Well T	echnician I			2					
-	1 Water Supply	Ltd.		1	Contractor's Licence No.						
Business Ac	ddress (Street Number/Na	me)		Mu	nicipality	Comments:					
Box 490 Province	0 Postal Code	Business E	E-mail Addres	St	tittsville						
Ontario Bus.Telepho	o K 2 S 1 A one No. (inc. area code) Na	6 offic me of Well Te	ce 🦻 car chnician (Las	ital Name,	vater.ca First Name)	Well owner's Date P information package	ackage Delivered	11	Minist Audit No. 7		Only
6 1 3 8 Well Technici	3 6 1 7 6 6 ian's Licence No. Signature	Miller,	Stephen	actor Det	e Submitted	delivered	Y Y M M I	10	007	84	1392
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Well Owner's First Name		st Name (Organiza			E-mail Address	3		C		Constructed
Mailing Address (Street Number/Name	<u> </u>	Ottawa	lunicipality	Province	Postal Code			No. (inc.	area code)
	Ilation Crescen	<u>.t</u>		Ottava	Ontario	<u> </u>	5 8 (6 1 3 5	18 10	2141010
	ocation (Street Num	ber/Name)	T	ownship		Lot		Concessio	n	<u>9999999 (9976889999</u>
895 Mave County/District/M			C	ity/Town/Village			Provin	Ce	Postal	Code
County/District/M	uncipality			Kana	ita		Onta			K1 X 7
UTM Coordinates		Northing		lunicipal Plan and Subl	ot Number		Other			
NAD 8 3 Overburden and		6 9 5 0 】 s/Abandonment		rd (see instructions on the	back of this form)				8.1860.660.00	
General Colour	Most Commo	on Material	Oth	er Materials	Ger	neral Description			Dep From	oth (<i>m/ft)</i> To
		Static W.	ster leve	el at 21	1					
				r Road Constv	nction					
		GPS - Ga	vmin Ef	rex.						
<u></u>										
		Annular Space				Results of Wo	ll Yiel	d Testing	1.088.089.03	
Depth Set at (m		Type of Sealant Use	d	Volume Placed	After test of well yiel	d, water was:	Dr	aw Down	R	ecovery
From T	1 1 1	Material and Type)		(m³/ft³)	Clear and sand Other, specify		(min)	Water Leve (m/ft)	el Time (<i>min</i>)	Water Level (m/ît)
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	<u> </u>	le plug					1		1	
3' 03				1	Pump intake set at	t (m/ft)	2		2	
0.8 0		- Ruck	00000000000000000000000000000000000000	1	Pumping rate (I/mir	1 / GPM)	3		3	
Cable Tool	f Construction	Public	Well Us		Duration of muratic		4		4	
Rotary (Conver		Domestic	Municipa		Duration of pumpir hrs +	ng min	5	,	5	
Boring				& Air Conditioning	Final water level end	d of pumping (m/it)	10		10	
Air percussion		Other, spec	ify		If flowing give rate	(I/min / GPM)	15		15	
	Construction Re			Status of Well			20		20	
Diameter (Gal	en Hole OR Material vanized, Fibreglass, crete, Plastic, Steel)	Wall D Thickness (cm/in) From	epth (<i>m/ft</i>) 1 To	Water Supply Replacement Well	Recommended pu	mp deptn (<i>m/it)</i>	25		25	
				Test Hole	Recommended pu (I/min / GPM)	mp rate	30		30	· · · · ·
				Dewatering Well Observation and/or	`		40		40	
A				Monitoring Hole	Well production (I/r	min / GPM)	50		50	
				 Alteration (Construction) 	Disinfected?		60		60	
	Construction Rec	cord - Screen		Abandoned, Insufficient Supply		Map of W	ell Loc	ation		
Outside Diameter	Material	CALC STREAM TO DO TO TAKE A STREAM TO DO TO TAKE A STREAM TO DO TAKE A STREAM TO DO TAKE A STREAM TO DO TAKE A	epth (<i>m/ft</i>)	Abandoned, Poor Water Quality	Please provide a m				back.	
(Cm/in) (Plast	ic, Galvanized, Steel)	From	То	Abandoned, other,						
				Construction						
Water found at D	Water Deta			ole Diameter h (m/ft) Diameter						
(m/ft)	Gas Other, spec	ify	From	To (cm/in)						
	epth Kind of Water:		ted	· ·						
	Gas Other, spec		ted							
(m/ft) [Gas Other, spec	ify								
Business Name o	Well Contractor f Well Contractor	and Well Techni		lion Il Contractor's Licence No.						
Havathon	Drilling Co. L			5 8 9 4						s.
	(Street Number/Nam Nom Dr	те)	Mu	nicipality Ottawa	Comments:	See At	tingle	eiλ —		
Province	Postal Code	Business E-mail			<u> </u>			-		
Ortanio Bus.Telephone No	KIY PIIA:	2 <u>schell@m</u> e ne_of Well Technicia	wathen dvil	First Name)	information	e Package Delivere		Audit No.	stry Use	
611382	2015711 F	osta F	Ric		delivered Date	Y Y Y M M שלא Work Completed	DD	Z	096	5933
Well Technician's Lie	cence No. Signature c	of Technician and/o	Contractor Dat	e Submitted			рю		· م ۲	2 2010
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http://maps.google.ca/maps?hl=en&ie=UTF8&ll=45.358245,-75.936931& spn=0.005277,0... 11/4/2010

How can we help you

Search

<u>contact us Français</u> <u>Popular +</u>

Trending Now

- Ontario Public Service careers
 OSAP: Ontario Student Assistance Program
 Government services
 Outdoors Cards, Licences and Draws
 Renew a licence plate sticker
 Change the address on identification cards
 Dividenced Baeda

- Driving and Roads

Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the Open Data catalogue.

Recommended for you

How to use a Ministry of the Environment map

Technical documentation: Metadata record

Go Back to Map

Well ID

Well ID Number: 7201372 Well Audit Number: *C21215* Well Tag Number: *A130127*

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	
Township	MARCH TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 426635.00 Northing: 5023491.00
Municipal Plan and Sublot Number	

Other

Overburden and Bedrock Materials Interval

Annular Space/Abandonment Sealing Record

Depth Depth Type of Sealant Used Volume From To (Material and Type) Placed

Method of Construction & Well Use

Method of Construction Well Use

Status of Well

Construction Record - Casing

Inside Diameter Open Hole or material Depth Depth From To

Construction Record - Screen

Outside Diameter Material Depth Depth From To

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 1844

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth Kind

Hole Diameter

Depth Depth From To Diameter

Mandy Witteman

From:	Public Information Services <publicinformationservices@tssa.org></publicinformationservices@tssa.org>	
Sent:	August 10, 2021 2:24 PM	
То:	Mandy Witteman	
Subject:	RE: Search records request (PE4760-2)	

Please refrain from sending documents to head office and only submit your requests electronically via email along with credit card payment. We are all working remotely and mailing in applications with cheques will lengthen the overall processing time.

NO RECORD FOUND

Hello Mandy,

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 <u>https://www.tssa.org/en/about-tssa/release-of-public-information.aspx? mid =392</u> and email the completed form to <u>publicinformationservices@tssa.org</u> along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard).

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,

Mariah



 Public Information Agent

 Facilities and Business Services

 345 Carlingview Drive

 Toronto, Ontario M9W 6N9

 Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: publicinformationservices@tssa.org

 www.tssa.org

<MWitteman@Patersongroup.ca> Sent: August 10, 2021 2:04 PM To: Public Information Services <publicinformationservices@tssa.org> Subject: Search records request (PE4760-2)

[CAUTION]: This email originated outside the organisation. Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Good Afternoon,

Could you please complete a search of your records for **underground/aboveground storage tanks**, **historical spills or other incidents/infractions** for the following addresses in **Ottawa**, **ON**:

March Rd: 910, 866, 846, 927, 905, 895 Halton Terrace: 1054, 1083 Maxwell Bridge Dr: 349

Thank you!

Cheers,

Mandy Witteman, B.Eng., M.A.Sc.

patersongroup

solution oriented engineering over 60 years servicing our clients

154 Colonnade Road South Ottawa, Ontario, K2E 7J5 Tel: (613) 226-7381 Ext. 339 Cell: (403) 921-1157

This electronic message and any attached documents are intended only for the named recipients. This communication from the Technical Standards and Safety Authority may contain information that is privileged, confidential or otherwise protected from disclosure and it must not be disclosed, copied, forwarded or distributed without authorization. If you have received this message in error, please notify the sender immediately and delete the original message.



File Number: D06-03-19-0149

November 8, 2019

Mandy Witteman Paterson Group 154 Colonnade Road South Ottawa, Ontario, K2E 7J5

Sent via email [mwitteman@patersongroup.ca]

Dear Ms.Witteman,

Re: Information Request <<910 March Road>>, Ottawa, Ontario ("Subject Property")

Internal Department Circulation

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

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

Search of Historical Land Use Inventory

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

A search of the HLUI database revealed the following information:

• There are no activities associated with the Subject Property.

The HLUI database was also searched for activity associated with properties located within 250m of the Subject Property. The search revealed the following:

• There is 1 activitiy associated with properties located within 250m of the Subject Property:

Shaping our future together Ensemble, formons notre avenir City of Ottawa Planning, Infrastructure and Economic Development Department

110 Laurier Avenue West, 4th Floor Ottawa, ON K1P 1J1 Tel: (613) 580-2424 ext. 14743 Fax: (613) 560-6006 www.ottawa.ca Ville d'Ottawa Services de la planification, de l'infrastructure et du développement économique

110, avenue Laurier Ouest, 4e étage Ottawa (Ontario) K1P 1J1 Tél.: (613) 580-2424 ext. 14743 Téléc: (613) 560-6006 www.ottawa.ca A **site map** and **table** have been included to show the location of the Subject Property as well as the location of all the activities noted above.

Additional information may be obtained by contacting:

Ontario's Environmental Registry

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

The Ontario Land Registry Office

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

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

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

Furthermore, the HLUI database and the results of this search in no way confirm the presence or absence of contamination or pollution of any kind. This information is provided on the assumption that it will not be relied upon by any person for any purpose whatsoever. The City of Ottawa denies all liability to any persons attempting to rely on any information provided from the HLUI database. Please note that in responding to your request, the City of Ottawa does not guarantee or comment on the environmental condition of the Subject Property. You may wish to contact the Ontario Ministry of Environment and Climate Change for additional information.

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

Sincerely,

Somontha

Samantha Gatchene

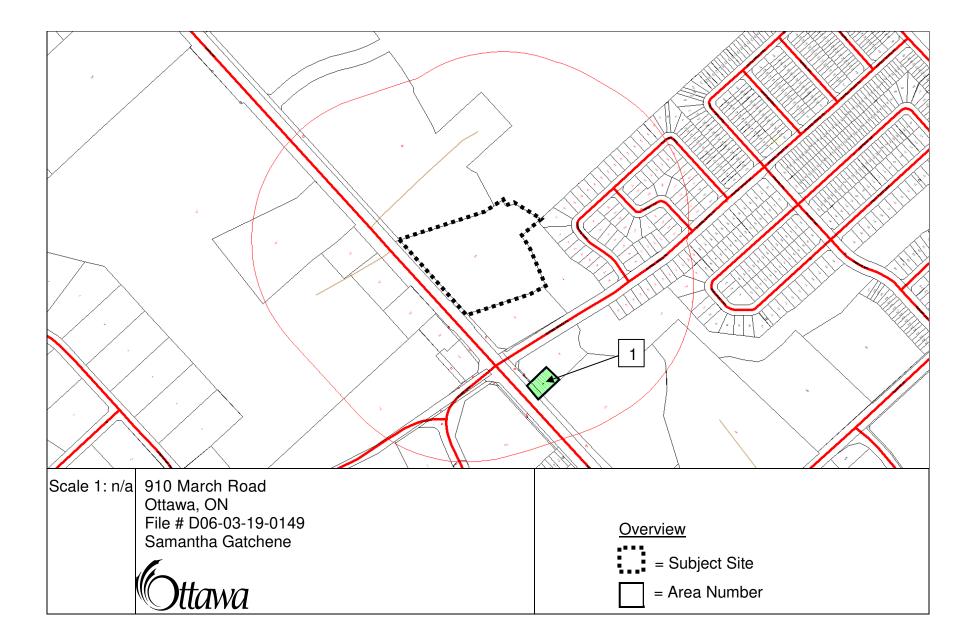
Per:

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

MB/ SG

Enclosures

cc: File no. D06-03-19-0149



Area Number	HLUI Activities Associated with Area
Subject Property	No HLUI activities associated with subject property
1	1878



Planning, Infrastructure and Economic Development Department Services de la planification, de l'infrastructure et du développement économique

Historical Land Use Inventory

Activity Numbers – Adjacent Properties



Planning, Infrastructure and Economic Development Department Services de la planification, de l'infrastructure et du développement économique

Historical Land Use Inventory Area #1 Activity Numbers



Report:

Run On:

RPTC_OT_DEV0122 08 Nov 2019 at: 09:38:40

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	045270084	Ν	N

Activity ID:	1878	Multiple PINS:	Ν
PIN Certainty:	1	Previous Activity ID(5) :
Related PINS:	045270084		
Name:	BURKE BUSLINE L	IMITED	
Address:	860 MARCH ROAD), KANATA	
Facility Type:	Public Passenger T	ransit Systems Industries	
Comments 1:	-		
Comments 2:			
Generator Number			
Storage Tanks:			
HL References 1:			
HL References 2:			
HL References 3:	2001 Employment Su	rvey	
NAICS S	IC		
485510 0			
Company Name			Year of Operation
BURKE BUSLINE LIN	MITED		c. 2001



DATABASE REPORT

Project Property:

Project No: Report Type: Order No: Requested by: Date Completed: PE4760 -910 March Rd PE4760 -910 March Rd Kanata ON K2K 1X7 32636 Standard Report 21081000045 Paterson Group Inc. August 13, 2021

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

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Executive Summary

Property Information:

Project Property:

PE4760 -910 March Rd PE4760 -910 March Rd Kanata ON K2K 1X7

32636

Coordinates:

Project No:

	Latitude:	45.3596394
	Longitude:	-75.9375839
	UTM Northing:	5,023,330.56
	UTM Easting:	426,567.82
	UTM Zone:	18T
Elevation:		262 FT
		79.82 M

Order Information:

Order No: Date Requested: Requested by: Report Type: 21081000045 August 10, 2021 Paterson Group Inc. Standard Report

Historical/Products:

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	6	6
CA	Certificates of Approval	Y	0	0	0
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
СНМ	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
DTNK	Delisted Fuel Tanks	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	3	3
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	7	7
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems	Y	0	0	0
FST	(FIRSTS) 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	2	2
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0

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Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	2	2
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	1	1
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	17	17
		Total:	0	38	38

Executive Summary: Site Report Summary - Project Property

Мар Кеу	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number

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

Executive Summary: Site Report Summary - Surrounding Properties

Мар Кеу	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>1</u>	WWIS		lot 11 con 4 ON	SSE/9.0	0.00	<u>19</u>
			Well ID: 1514785			
<u>2</u>	WWIS		910 MARCH RD lot 12 con 4 KANATA ON	S/14.6	0.00	<u>22</u>
			Well ID: 1536458			
<u>3</u>	BORE		ON	SW/25.2	0.08	<u>28</u>
<u>4</u>	EHS		910 March Road Kanata ON K2K 1X7	ENE/62.3	-1.61	<u>30</u>
<u>5</u>	WWIS		905 MARCH RD lot 12 con 3 KANATA ON	WSW/81.0	0.05	<u>30</u>
			Well ID: 7335796			
<u>6</u>	WWIS		295 MARCH RD KANATA ON	S/83.6	0.48	<u>31</u>
			Well ID: 7156775			
Z	GEN	Kanata Plastic & Cosmetic Surgery	895 March Rd. Kanata ON K2K 1X7	SSW/92.8	1.08	<u>34</u>
Ž	GEN	Kanata Plastic & Cosmetic Surgery	895 March Rd. Kanata ON K2K 1X7	SSW/92.8	1.08	<u>34</u>
<u>8</u>	BORE		ON	E/102.8	-2.00	<u>34</u>
<u>9</u>	WWIS		lot 12 con 3 ON	W/107.3	-0.16	<u>36</u>
			Well ID: 1503359			
<u>10</u>	ECA	McDonald's Restaurants of Canada Limited	886 March Rd Ottawa ON H9P 2V5	ESE/117.8	-0.42	<u>38</u>
<u>11</u>	EHS		886 March Road Ottawa ON K2K 1X7	ESE/118.9	-0.95	<u>39</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>12</u>	BORE		ON	SE/156.4	0.05	<u>39</u>
<u>13</u>	WWIS		lot 11 con 4 ON <i>Well ID:</i> 1510247	SE/156.5	0.05	<u>40</u>
<u>14</u>	WWIS		lot 12 con 3 ON <i>Well ID:</i> 1516260	W/160.3	0.05	<u>42</u>
<u>15</u>	WWIS		886 MARCH ROAD lot 11 con 4 CARP ON <i>Well ID:</i> 7049297	SE/167.9	1.10	<u>46</u>
<u>16</u>	WWIS		lot 11 con 3 ON <i>Well ID:</i> 1503356	SSE/170.1	1.38	<u>48</u>
<u>17</u>	WWIS		ON Well ID: 7201372	NNE/173.9	-1.86	<u>51</u>
<u>18</u>	WWIS		lot 12 con 4 ON <i>Well ID:</i> 1503414	NNW/176.9	0.05	<u>52</u>
<u>19</u>	BORE		ON	NNW/177.0	0.05	<u>54</u>
<u>20</u>	PINC		858 March Rd,Kanata ON	SE/180.0	1.10	<u>56</u>
<u>20</u>	PINC		858 MARCH ROAD, KANATA ON K2W 0C9	SE/180.0	1.10	<u>56</u>
<u>21</u>	ECA	Klondike Developments Inc.	870 March Rd and 1001 Klondike Road Ottawa ON K2C 0P9	E/191.8	-3.92	<u>57</u>
<u>21</u>	ECA	Klondike Developments Inc.	870 March Rd and 1001 Klondike Road Ottawa ON K2C 0P9	E/191.8	-3.92	<u>57</u>
<u>22</u>	WWIS		927 MARCH RD lot 3 con 11 KANATA ON	W/197.8	-0.03	<u>57</u>

Мар Кеу	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1536459			
<u>23</u>	WWIS		941 MARCH RD lot 11 con 4 KANATA ON <i>Well ID:</i> 1536624	WNW/210.4	0.05	<u>64</u>
<u>23</u>	WWIS		941 MARCH RD lot 11 con 4 KANATA ON	WNW/210.4	0.05	<u>65</u>
<u>24</u>	BORE		<i>Well ID:</i> 1536625 ON	WSW/210.9	2.05	<u>72</u>
<u>25</u>	WWIS		lot 11 con 4 ON	SE/225.0	0.97	<u>73</u>
			Well ID: 1503413			
<u>26</u>	WWIS		860 MARCH RD. lot 11 con 4 KANATA ON Well ID: 7112943	SE/228.3	0.97	<u>75</u>
<u>27</u>	EHS		927 March Rd Kanata ON K2K 1X7	W/228.5	1.05	<u>77</u>
<u>27</u>	EHS		927 March Rd Kanata ON K2K 1X7	W/228.5	1.05	<u>78</u>
<u>27</u>	EHS		927 March Rd Kanata ON K2K 1X7	W/228.5	1.05	<u>78</u>
<u>27</u>	EHS		927 March Rd Kanata ON K2K 1X7	W/228.5	1.05	<u>78</u>
<u>27</u>	EHS		927 March Rd Kanata ON K2K 1X7	W/228.5	1.05	<u>78</u>
<u>28</u>	SPL	PRIVATE OWNER	RESIDENCE AT 865 MARCH RD. (OWNER MR. WARD, 592-4814) STORAGE TANK/BARREL OTTAWA CITY ON K2K 1X7	SE/229.4	1.75	<u>78</u>
<u>29</u>	WWIS		lot 11 con 3 ON <i>Well ID:</i> 1516836	SW/239.2	3.05	<u>79</u>
<u>30</u>	BORE		ON	WNW/241.4	1.05	<u>82</u>
9	erisinfo.cor	<u>n</u> Environmental Risk Informa		Order No	p: 210810000	45

Мар	DB	Company/Site Name	Address
Key			

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 6 BORE site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	<u>Map Key</u>
	ON	SW	25.20	<u>3</u>
	ON	SE	156.38	<u>12</u>
	ON	NNW	176.98	<u>19</u>
	ON	WSW	210.87	<u>24</u>
	ON	WNW	241.44	<u>30</u>
Lower Elevation	<u>Address</u> ON	<u>Direction</u> E	<u>Distance (m)</u> 102.79	<u>Map Key</u> <u>8</u>
	ON			

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Jun 30, 2021 has found that there are 3 ECA site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	<u>Address</u>	Direction	<u>Distance (m)</u>	<u>Map Key</u>
McDonald's Restaurants of Canada Limited	886 March Rd Ottawa ON H9P 2V5	ESE	117.81	<u>10</u>

Klondike Developments Inc.	870 March Rd and 1001 Klondike Road Ottawa ON K2C 0P9	E	191.76	<u>21</u>
Klondike Developments Inc.	870 March Rd and 1001 Klondike Road Ottawa ON K2C 0P9	E	191.76	<u>21</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jun 30, 2021 has found that there are 7 EHS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	<u>Address</u> 927 March Rd Kanata ON K2K 1X7	Direction W	<u>Distance (m)</u> 228.47	<u>Map Key</u> <u>27</u>
	927 March Rd Kanata ON K2K 1X7	W	228.47	<u>27</u>
	927 March Rd Kanata ON K2K 1X7	W	228.47	<u>27</u>
	927 March Rd Kanata ON K2K 1X7	W	228.47	<u>27</u>
	927 March Rd Kanata ON K2K 1X7	W	228.47	<u>27</u>
Lower Elevation	<u>Address</u> 910 March Road Kanata ON K2K 1X7	Direction ENE	<u>Distance (m)</u> 62.32	<u>Map Key</u> <u>4</u>

886 March Road Ottawa ON K2K 1X7

ESE	118.89	<u>11</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Apr 30, 2021 has found that there are 2 GEN site(s) within approximately 0.25 kilometers of

the project property.

Equal/Higher Elevation	<u>Address</u>	Direction	<u>Distance (m)</u>	<u>Map Key</u>
Kanata Plastic & Cosmetic Surgery	895 March Rd. Kanata ON K2K 1X7	SSW	92.85	<u>7</u>
Kanata Plastic & Cosmetic Surgery	895 March Rd. Kanata ON K2K 1X7	SSW	92.85	<u>7</u>

<u>PINC</u> - Pipeline Incidents

A search of the PINC database, dated May 31, 2021 has found that there are 2 PINC site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	<u>Address</u>	Direction	<u>Distance (m)</u>	<u>Map Key</u>
	858 March Rd,Kanata ON	SE	180.00	<u>20</u>
	858 MARCH ROAD, KANATA ON K2W 0C9	SE	180.00	<u>20</u>

SPL - Ontario Spills

A search of the SPL database, dated 1988-Aug 2020 has found that there are 1 SPL site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	<u>Address</u>	Direction	<u>Distance (m)</u>	<u>Map Key</u>
PRIVATE OWNER	RESIDENCE AT 865 MARCH RD. (OWNER MR. WARD, 592-4814) STORAGE TANK/BARREL OTTAWA CITY ON K2K 1X7	SE	229.38	<u>28</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2021 has found that there are 17 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	<u>Distance (m)</u>	<u>Map Key</u>
	lot 11 con 4 ON	SSE	9.00	<u>1</u>
	Well ID: 1514785			

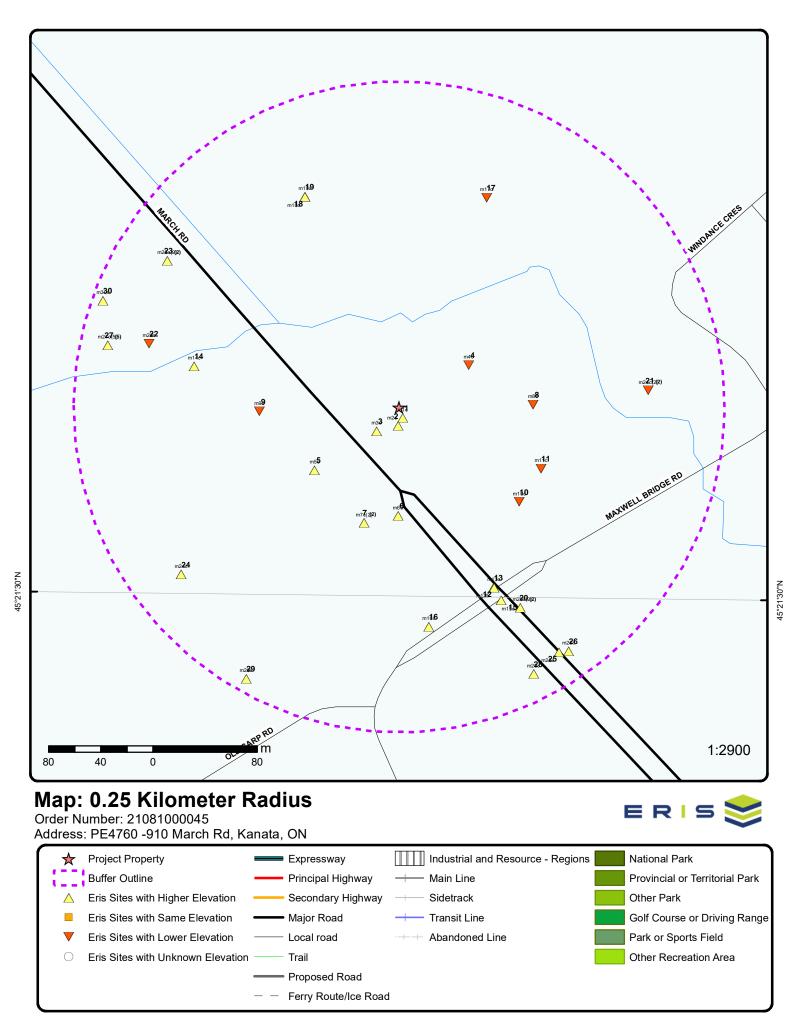
<u>Address</u> 910 MARCH RD lot 12 con 4 KANATA ON	<u>Direction</u> S	<u>Distance (m)</u> 14.59	<u>Map Key</u> <u>2</u>
Well ID: 1536458			
905 MARCH RD lot 12 con 3 KANATA ON	WSW	81.00	<u>5</u>
Well ID: 7335796			
295 MARCH RD KANATA ON	S	83.57	<u>6</u>
Well ID: 7156775			
lot 11 con 4 ON	SE	156.51	<u>13</u>
Well ID: 1510247			
lot 12 con 3 ON	W	160.34	<u>14</u>
Well ID: 1516260			
886 MARCH ROAD lot 11 con 4 CARP ON	SE	167.88	<u>15</u>
Well ID: 7049297			
lot 11 con 3 ON	SSE	170.10	<u>16</u>
Well ID: 1503356			
lot 12 con 4 ON	NNW	176.86	<u>18</u>
Well ID: 1503414			
941 MARCH RD lot 11 con 4 KANATA ON	WNW	210.39	<u>23</u>
Well ID: 1536625			
941 MARCH RD lot 11 con 4 KANATA ON	WNW	210.39	<u>23</u>
Well ID: 1536624			
lot 11 con 4 ON	SE	225.01	<u>25</u>
Well ID: 1503413			
860 MARCH RD. lot 11 con 4 KANATA ON	SE	228.31	<u>26</u>

Equal/Higher Elevation

Equal/Higher Elevation	Address Well ID: 7112943	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 11 con 3 ON	SW	239.25	<u>29</u>
	Well ID: 1516836			

Lower Elevation	<u>Address</u>
	lot 12 con
	ON

<u>Address</u>	Direction	Distance (m)	<u>Map Key</u>
lot 12 con 3 ON	W	107.28	<u>9</u>
Well ID: 1503359			
ON	NNE	173.93	<u>17</u>
Well ID: 7201372			
927 MARCH RD lot 3 con 11 KANATA ON	W	197.85	<u>22</u>
Well ID: 1536459			



Source: © 2015 DMTI Spatial Inc.

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Aerial Year: 2020

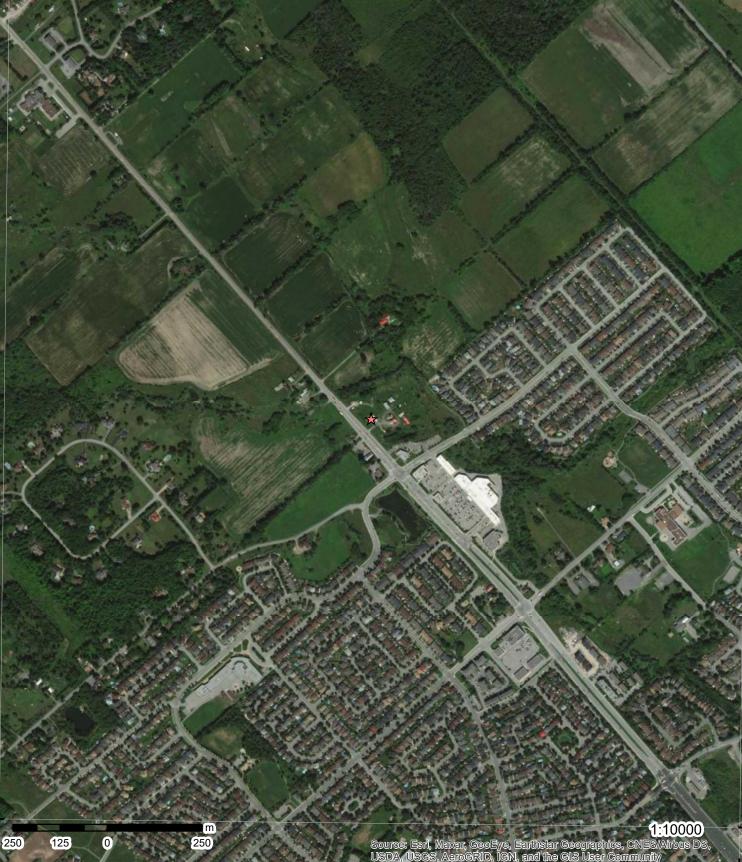
Address: PE4760 -910 March Rd, Kanata, ON

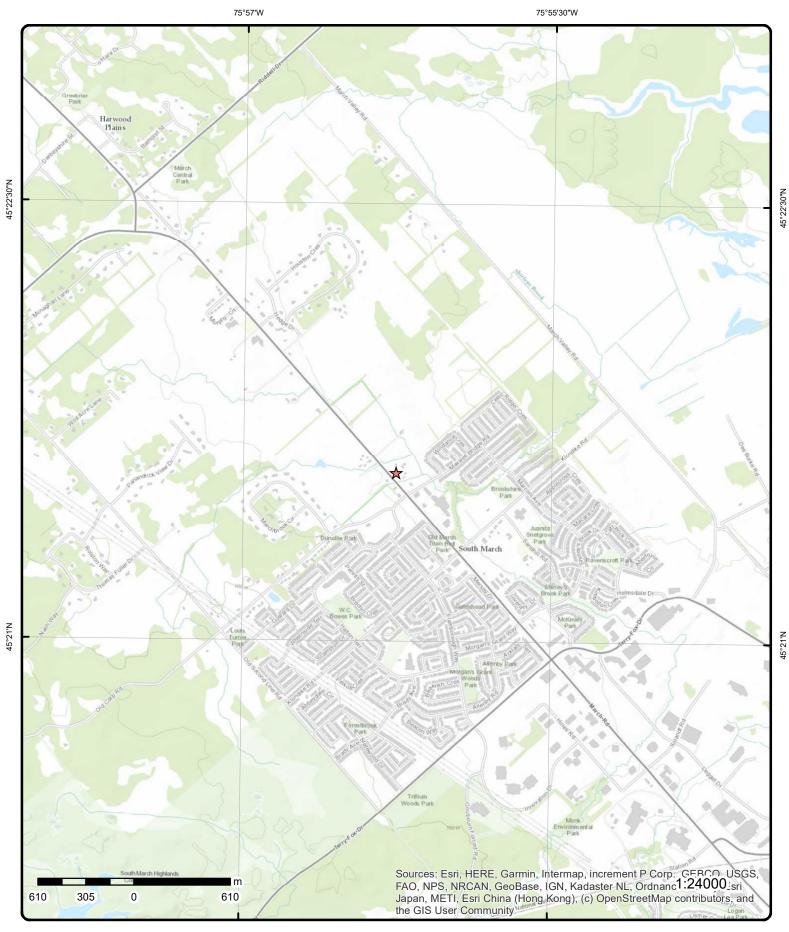
Order Number: 21081000045



45°21'N

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Topographic Map

Order Number: 21081000045



Address: PE4760 -910 March Rd, ON

Source: ESRI World Topographic Map

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Detail Report

	Number Records		Elev/Diff (m)	Site		Di
<u>1</u> 1	1 of 1	SSE/9.0	79.8 / 0.00	lot 11 con 4 ON		WWI
Well ID:		1514785		Data Entry Status:		
Construction D	Date [.]			Data Src:	1	
Primary Water		Domestic		Date Received:	7/23/1975	
Sec. Water Use		0		Selected Flag:	True	
Final Well Stat		Water Supply		Abandonment Rec:		
Nater Type:				Contractor:	3658	
Casing Materia				Form Version:	1	
Audit No:				Owner:	•	
Tag:				Street Name:		
Construction N	lothod:			County:	ΟΤΤΑΨΑ	
Elevation (m):	neurou.			Municipality:	MARCH TOWNSHIP	
	hilitur			Site Info:	MARCHTOWNSHIP	
Elevation Relia				Lot:	011	
Depth to Bedro	JCK:					
Well Depth:				Concession:	04	
Overburden/Be	earock:			Concession Name:	CON	
Pump Rate:				Easting NAD83:		
Static Water Le	evel:			Northing NAD83:		
Flowing (Y/N):				Zone:		
Flow Rate:				UTM Reliability:		
Clear/Cloudy:						
PDF URL (Map):	https://d2khazk8e8	3rdv.cloudfront.n	et/moe_mapping/downloads	s/2Water/Wells_pdfs/151\1514785.pd	f
Additional Deta	ail(s) (Maj	<u>o)</u>				
Well Complete	d Date:	1975/07/01				
Year Complete		1975				
Depth (m):		27.432				
Latitude:		45.3595626211973	3			
Longitude:		-75.937547194856				
Path:		151\1514785.pdf	-			
Bore Hole Info	rmation					
Bore Hole ID:		10036755		Elevation:	77.908729	
DP2BR:		25.00		Elevrc:		
Spatial Status:				Zone:	18	
Code OB:		r		East83:	426570.60	
Code OB Desc	-	Bedrock		North83:	5023322.00	
Open Hole:	•			Org CS:	SSEGGEE.00	
Cluster Kind:				UTMRC:	4	
Date Complete	d	01-Jul-1975 00:00:00		UTMRC Desc:	4 margin of error : 30 m - 100 m	
Remarks:	ч.	51 Jul 1070 00.00.00		Location Method:	p4	
					P-4	
Elevrc Desc: Location Sourc	no Dotor					
		Source				
mprovement L mprovement L						
mprovement L Source Revisio						
Supplier Comn		ont.				

Overburden and Bedrock

Supplier Comment:

	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Materials Interv	<u>ral</u>				
Formation ID: Layer: Color: General Color: Mat1:		931027302 2 GREY 18			
Most Common Mat2: Mat2 Desc: Mat3:	Material:	SANDSTONE 73 HARD			
<i>Mat3 Desc: Formation Top Formation End Formation End</i>	Depth:	25.0 90.0 ft			
Overburden an Materials Interv					
Formation ID: Layer: Color: General Color: Mat1: Most Common Mat2: Mat3 Desc: Formation Top Formation End Formation End	Depth: Depth: Depth UOM:	931027301 1 6 BROWN 05 CLAY 85 SOFT 0.0 25.0 ft			
<u>Method of Cons</u> <u>Use</u>	struction & Well				
Method Constru Method Constru Method Constru Other Method C	uction Code: uction:	961514785 5 Air Percussion			
Pipe Informatio	<u>n</u>				
Pipe ID: Casing No: Comment: Alt Name:		10585325 1			
Construction R	ecord - Casing				
Casing ID: Layer: Material: Open Hole or M Depth From: Depth To: Casing Diamete		930064972 1 STEEL 27 6			
Casing Diamete Casing Depth L	er UOM:	inch ft			

Construction Record - Casing

Map Key Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	
Casing ID:	930064973			
Layer:	2			
Naterial:	4			
Open Hole or Material:	OPEN HOLE			
Depth From:				
Depth To:	90			
Casing Diameter:				
Casing Diameter UOM:	inch			
Casing Depth UOM:	ft			
Results of Well Yield Testing				
Pump Test ID:	991514785			
Pump Set At:	44.0			
Static Level:	11.0			
Final Level After Pumping:	30.0			
Recommended Pump Depth:	30.0			
Pumping Rate: Flowing Rate:	15.0			
Recommended Pump Rate:	5.0			
Levels UOM:	ft			
Rate UOM:	GPM			
Water State After Test Code:	1			
Water State After Test:	CLEAR			
Pumping Test Method:	022/11			
Pumping Duration HR:	2			
Pumping Duration MIN:	0			
Flowing:	No			
Draw Down & Recovery				
Pump Test Detail ID:	934902071			
Test Type:	Draw Down			
Test Duration:	60			
Test Level:	30.0			
Test Level UOM:	ft			
Draw Down & Recovery				
Pump Test Detail ID:	934100601			
Test Type:	Draw Down			
Test Duration:	15			
Test Level:	30.0			
Test Level UOM:	ft			
	ii ii			
Draw Down & Recovery				
Pump Test Detail ID:	934383616			
Test Type:	Draw Down			
Test Duration:	30			
Test Level:	30.0			
Test Level UOM:	ft			
Draw Down & Recovery				
Pump Test Detail ID:	934644602			
Test Type:	Draw Down			
Test Duration:	45			
Test Level:	30.0			
Test Level UOM:	ft			
21 erisinfo.com Env	vironmental Risk Info	rmation Services	6	Order No: 21081000

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DE
Water Details	i						
Water ID: Layer: Kind Code: Kind: Water Found Water Found		:	933470746 1 1 FRESH 65.0 ft				
Water Details	i						
Water ID: Layer: Kind Code: Kind: Water Found Water Found		:	933470747 2 1 FRESH 84.0 ft				
<u>2</u>	1 of 1		S/14.6	79.8 / 0.00	910 MARCH RD lot 1 KANATA ON	12 con 4	WWK
Well ID: Construction Primary Wate Sec. Water Us Final Well Sta Water Type: Casing Materi Audit No: Tag: Construction Elevation Reli Depth to Bedi Well Depth: Overburden/E Pump Rate: Static Water I Flowing (Y/N) Flow Rate: Clear/Cloudy:	Date: er Use: se: atus: rial: Method: : liability: lrock: Bedrock: Level:):	1536458 Domestic Water Su Z46997 A035395	pply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	7/11/2006 True 1558 3 910 MARCH RD OTTAWA MARCH TOWNSHIP 012 04 CON	
PDF URL (Ma	ıp):		https://d2khazk8e8	3rdv.cloudfront.n	et/moe_mapping/downloads	/2Water/Wells_pdfs/153\1536458.pd	f
Additional De Well Complet Year Complet Depth (m): Latitude: Longitude: Path:	ted Date:		2006/06/27 2006 27.43 45.359508243010 -75.937592261552 153\1536458.pdf				
Bore Hole Infe	ormation						
Bore Hole ID: DP2BR: Spatial Status Code OB: Code OB Des Open Hole: Cluster Kind:	s: sc:	11550524 6.00 r Bedrock	ł		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC:	78.054458 18 426567.00 5023316.00 UTM83 3	

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Order No: 21081000045

• •	umber of ecords	Direction/ Distance (m)	Elev/Diff (m)	Site		DE
Date Completed: Remarks: Elevrc Desc: Location Source I Improvement Loc Improvement Loc Source Revision Supplier Commer	Date: ation Source: ation Method: Comment:	2006 00:00:00		UTMRC Desc: Location Method:	margin of error : 10 - 30 m wwr	
<u>Overburden and I</u> <u>Materials Interval</u>	Bedrock_					
Formation ID:		933057099				
Layer:		2				
Color:		2				
General Color:		GREY				
Mat1:		15				
Most Common Ma	aterial:	LIMESTONE				
Mat2:		73				
Mat2 Desc: Mat3:		HARD				
Mat3 Desc:						
Formation Top De	onth.	1.8200000524520874	L			
Formation End De	epth:	12.1899995803833	•			
Formation End De		m				
<u>Overburden and I</u> Materials Interval						
Formation ID:		933057098				
Layer:		1				
Color:		6 RDOW/N				
General Color: Mat1:		BROWN				
Macr. Most Common Ma	atorial:	05 CLAY				
Mat2:	alenai.	79				
Mat2 Desc:		PACKED				
Mat3:						
Mat3 Desc:						
Formation Top De	epth:	0.0				
Formation End De		1.8200000524520874	l I			
Formation End De	epth UOM:	m				
Overburden and I Materials Interval						
Formation ID:		933057100				
Layer:		3 2				
Color: General Color:		2 GREY				
Mat1:		18				
Most Common Ma	aterial:	SANDSTONE				
Mat2:		73				
Mat2 Desc:		HARD				
Mat3:						
Mat3 Desc:						
Formation Top De	epth:	12.1899995803833				
Formation End De		27.43000030517578				
Formation End De	epth UOM:	m				
<u>Method of Constr</u> <u>Use</u>	uction & Well					

23

Method Construct Method Construct Method Construct Dither Method Co Pipe Information Pipe ID: Casing No: Comment:	tion Code:	961536458 5 Air Percussion 11560131 1			
Method Construc Other Method Co Pipe Information Pipe ID: Casing No: Comment:	ction:	Air Percussion 11560131			
Dther Method Co Pipe Information Pipe ID: Casing No: Comment:		11560131			
Pipe ID: Casing No: Comment:					
Casing No: Comment:					
Comment:		1			
Alt Name:					
Construction Red	cord - Casing				
Casing ID:		930879939			
_ayer: Material:		1 1			
Open Hole or Ma	terial:	STEEL			
Depth From:		-0.44999998807907			
Depth To:		10.3599996566772			
Casing Diameter: Casing Diameter		15.8599996566772 cm			
Casing Depth UC		m			
Construction Red	cord - Casing				
Casing ID:		930879940			
ayer:		2			
Material: Open Hole or Ma	torial.	4 OPEN HOLE			
Depth From:	lenai.	10.3599996566772			
Depth To:		27.4300003051758			
Casing Diameter					
Casing Diameter Casing Depth UC		cm m			
Results of Well Y	<u>íield Testing</u>				
Pump Test ID:		11569511			
Pump Set At:		21.32999992370605			
Static Level: Final Level After	Pumpina:	6.019999980926514 6.599999904632568			
Recommended P		15.22999954223632	В		
Pumping Rate:		54.59999847412109	4		
Flowing Rate: Recommended P	ump Pata	45.5			
Levels UOM:	ump nate.	45.5 m			
Rate UOM:		LPM			
Nater State After		1			
Nater State After Pumping Test Me		CLEAR 1			
Pumping Duratio		3			
Pumping Duratio Flowing:		30			
Draw Down & Re	covery				
Pump Test Detail	-	11624162			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		6.53000020980835			
24 eris	sinfo.com En	vironmental Risk Infor	mation Service	S	Order No: 21081000045

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	D
Test Level U	ОМ:	m			
Draw Down a	<u>& Recovery</u>				
Pump Test D	Detail ID:	11624151			
Test Type:		Recovery			
Test Duratio	n:	5			
Test Level:		6.179999828338623			
Test Level U	OM:	m			
Draw Down a	& Recovery				
Pump Test D	Detail ID:	11624159			
Test Type:		Recovery			
Test Duratio	n:	25			
Test Level:		6.130000114440918			
Test Level U	OM:	m			
<u>Draw Down a</u>	<u>& Recovery</u>				
Pump Test D	Detail ID:	11624161			
Test Type:		Recovery			
Test Duratio	n:	30			
Test Level:		6.119999885559082			
Test Level U	OM:	m			
Draw Down a	& Recovery				
Pump Test D	Detail ID:	11624145			
Test Type:		Recovery			
Test Duration	n:	2			
Test Level:		6.190000057220459			
Test Level U	OM:	m			
Draw Down a	<u>& Recovery</u>				
Pump Test D	Detail ID:	11624148			
Test Type:		Draw Down			
Test Duratio	n:	4			
Test Level:		6.449999809265137			
Test Level U	OM:	m			
Draw Down a	<u>& Recovery</u>				
Pump Test D	Detail ID:	11624150			
Test Type:		Draw Down			
Test Duratio	n:	5			
Test Level:		6.46999979019165			
Test Level U	OM:	m			
Draw Down a	& Recovery				
Pump Test D	Detail ID:	11624155			
Test Type:		Recovery			
Test Duratio	n:	15			
Test Level:		6.130000114440918			
Test Level U	OM:	m			
<u>Draw Down a</u>	& Recovery				
	originfo com L E-	wiropmontal Dials Info	motion Comica	•	O-Jac No. 0400400004
25	erisinto.com Er	nvironmental Risk Infor	mation Service	S	Order No: 2108100004

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test L	Detail ID:	11624149			
Test Type:		Recovery			
Test Duratio	n:	4			
Test Level: Test Level U	OM-	6.179999828338623 m			
Test Level O	011.				
<u>Draw Down </u>	<u>& Recovery</u>				
Pump Test L	Detail ID:	11624154			
Test Type:		Draw Down			
Test Duratio	n:	15			
Test Level: Test Level U		6.510000228881836			
Test Level U	0111:	m			
Draw Down	& Recovery				
Pump Test L	Detail ID:	11624156			
Test Type:		Draw Down			
Test Duratio Test Level:	n:	20			
Test Level: Test Level U	OM-	6.519999980926514 m			
Test Level O	Ош.				
<u>Draw Down </u>	& Recovery				
Pump Test D	Detail ID:	11624157			
Test Type:		Recovery			
Test Duratio	n:	20			
Test Level:	~	6.130000114440918			
Test Level U	ОМ:	m			
Draw Down	& Recovery				
Pump Test L	Detail ID:	11624158			
Test Type:		Draw Down			
Test Duratio	n:	25			
Test Level:		6.519999980926514			
Test Level U	ОМ:	m			
<u>Draw Down </u>	& Recovery				
Pump Test L	Detail ID:	11624165			
Test Type:		Recovery			
Test Duratio	n:	50			
Test Level:	~ ~ ~	6.119999885559082			
Test Level U	OM:	m			
Draw Down	& Recovery				
Pump Test L	Detail ID:	11624147			
Test Type:		Recovery			
Test Duratio	n:	3			
Test Level: Test Level U	OM:	6.190000057220459 m			
Draw Down	& Recoverv				
	-	11001150			
Pump Test L Test Type:	etali ID:	11624152 Draw Down			
Test Duratio	n·	10			

Pump Test Det Test Type: Test Duration: etail ID:

10

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DI
Test Level: Test Level U	OM-	6.5 m			
	O <i>m</i> .				
Draw Down a	& Recovery				
Pump Test D	Detail ID:	11624153			
Test Type:		Recovery			
Test Duration Test Level:	n:	10 6.150000095367432			
Test Level U	OM:	m			
Draw Down a	<u>& Recovery</u>				
Pump Test D	Detail ID:	11624160			
Test Type:		Draw Down			
Test Duration	n:	30			
Test Level: Test Level U	<u></u>	6.53000020980835 m			
Test Level O	OM.	111			
<u>Draw Down a</u>	<u>& Recovery</u>				
Pump Test D	Detail ID:	11624163			
Test Type:		Recovery			
Test Duration	n:	40			
Test Level:	~~	6.119999885559082			
Test Level U	OM:	m			
Draw Down a	<u>& Recovery</u>				
Pump Test D	Detail ID:	11624142			
Test Type:		Draw Down			
Test Duration	n:	1			
Test Level:	~~	6.360000133514404			
Test Level U	OM:	m			
Draw Down a	& Recovery				
Pump Test D	Detail ID:	11624143			
Test Type:		Recovery			
Test Duration	n:	1			
Test Level:	~~	6.199999809265137			
Test Level U	OM:	m			
Draw Down 8	& Recovery				
Pump Test D	Detail ID:	11624144			
Test Type:		Draw Down			
Test Duration	n:	2			
Test Level:		6.40000095367432			
Test Level U	OM:	m			
Draw Down a	& Recovery				
Pump Test D	Detail ID:	11624146			
Test Type:		Draw Down			
Test Duration	n:	3			
Test Level:		6.440000057220459			
Test Level U	ОМ:	m			
07	erisinto.com Er	nvironmental Risk Infor	mation Service	S	Order No: 2108100004

Map Key	Number Records	of Direction/ Distance (m)	Elev/Diff (m)	Site		DE
Draw Down &	<u>Recovery</u>					
Pump Test D Test Type:	etail ID:	11624164 Draw Down				
Test Duration	n:	50				
Test Level:		6.5399999618530	27			
Test Level U	ОМ:	m				
Draw Down &	& Recovery					
Pump Test D	etail ID:	11624166				
Test Type: Test Duratioi		Draw Down 60				
Test Level:	1.	6.5500001907348	63			
Test Level U	ОМ:	m				
Draw Down &	<u>& Recovery</u>					
Pump Test D	etail ID:	11624167				
Test Type: Test Duratioi	n•	Recovery 60				
Test Duration		6.1199998855590	82			
Test Level U	ОМ:	m	-			
Water Details	5					
Water ID:		934077244				
Layer: Kind Code:		1				
Kind Code: Kind:						
Water Found	Depth:	24.989999771118	164			
Water Found		: m				
Hole Diamete	<u>er</u>					
Hole ID:		11681231				
Diameter:		15.229999542236				
Depth From:		7.3099999427795				
Depth To: Hole Depth U	IOM·	27.430000305175 m	10			
Hole Diamete	er UOM:	cm				
Hole Diamete	<u>er</u>					
Hole ID:		11681230				
Diameter:		22.75				
Depth From: Depth To:		0.0 7.3099999427795	41			
Deptn To: Hole Depth U	IOM:	7.3099999427795 m				
Hole Diamete		cm				
<u>3</u>	1 of 1	SW/25.2	79.9 / 0.08	ON		BORE
Borehole ID:		609827		Inclin FLG:	No	
OGF ID:		215511442		SP Status:	Initial Entry	
Status:				Surv Elev:	No	
Type:		Borehole		Piezometer:	No	
Use: Completion L	Dato:			Primary Name: Municipality:		
	Level:			Lot:		

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site	DE
Primary Water	r Use:				Township:	
Sec. Water Us					Latitude DD:	45.359472
Total Depth m	:	-999			Longitude DD:	-75.937801
Depth Ref:	-	Ground Su	Irface		UTM Zone:	18
Depth Elev:					Easting:	426551
Drill Method:					Northing:	5023312
Orig Ground E	Elev m·	76.2			Location Accuracy:	0020012
Elev Reliabil N		10.2			Accuracy:	Not Applicable
DEM Ground B		78.2			Accuracy.	Not Applicable
Concession:	Liev III.	10.2				
Location D:						
Survey D:						
Comments:						
Borehole Geol	<u>logy Stratı</u>	<u>ım</u>				
Geology Strat	um ID:	218384186	3		Mat Consistency:	
Top Depth:		0			Material Moisture:	
Bottom Depth		.3			Material Texture:	
Material Color	:				Non Geo Mat Type:	
Material 1:		Soil			Geologic Formation:	
Material 2:					Geologic Group:	
Material 3:					Geologic Period:	
Material 4:					Depositional Gen:	
Gsc Material D	Description	n:				
Stratum Descr	ription:	5	SOIL.			
Geology Strat	um ID:	218384188	3		Mat Consistency:	
Top Depth:		2.4			Material Moisture:	
Bottom Depth.	:				Material Texture:	
Material Color		Black			Non Geo Mat Type:	
Material 1:		Bedrock			Geologic Formation:	
Material 2:		Sandstone			Geologic Group:	
Material 3:					Geologic Period:	
Material 4:					Depositional Gen:	
Gsc Material D	Descriptior	1:			-	
Stratum Descr	ription:				VELOCITY = 14600. FE ave a truncated [Stratum I	ET.BLACK. LIMESTONE. BLUE. S **Note: Man Description] field.
Geology Strat	um ID:	218384187	7		Mat Consistency:	
Top Depth:		.3			Material Moisture:	
Bottom Depth		2.4			Material Texture:	
Material Color		<u>.</u>			Non Geo Mat Type:	
Material 1:		Clay			Geologic Formation:	
Material 2:					Geologic Group:	
Material 3:					Geologic Period:	
Material 4:					Depositional Gen:	
Gsc Material D Stratum Descr	•		CLAY.			
<u>Source</u>						
Source Type:		Data Surve			Source Appl:	Spatial/Tabular
Source Orig:			Survey of Canada		Source Iden:	1
Source Date:		1956-1972			Scale or Res:	Varies
Confidence:		М			Horizontal:	NAD27
Observatio:					Verticalda:	Mean Average Sea Level
Source Name:	:		Jrban Geology Auto			
Source Details	s:				NTS_Sheet: 31G05D	
Confiden 1:		F	Reliable information	but incomplete.		
Source List						

Map Key	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DI
Source Identii Source Type: Source Date:	fier:	1 Data Surv 1956-1972			Horizontal Datum: Vertical Datum: Projection Name:	NAD27 Mean Average Sea Level Universal Transverse Mercator	
Scale or Reso	lution:	Varies			r rojection name.		
Source Name	:		Urban Geology Auto	omated Informati	on System (UGAIS)		
Source Origin	ators:		Geological Survey of	of Canada			
<u>4</u>	1 of 1		ENE/62.3	78.2 / -1.61	910 March Road Kanata ON K2K 1X7		EHS
Order No:		20190523	231		Nearest Intersection:		
Status:		С			Municipality:	Ottawa	
Report Type:		Standard	•		Client Prov/State:	ON	
Report Date:	_	30-MAY-1			Search Radius (km):	.25	
Date Received		23-MAY-1	9		X:	-75.936906	
Previous Site		unknown			Y:	45.359933	
Lot/Building S Additional Inf		6.7 Acre	City Directory				
<u>5</u>	1 of 1		WSW/81.0	79.9 / 0.05	905 MARCH RD lot 12 KANATA ON	con 3	www
Well ID:		7335796			Data Entry Status:		
Construction					Data Src:		
Primary Wate		Commeric	al		Date Received:	6/18/2019	
Sec. Water Us					Selected Flag:	True	
Final Well Sta	tus:	Water Sup	oply		Abandonment Rec:	0574	
Water Type:	al.				Contractor: Form Version:	6574 7	
Casing Materi Audit No:	al.	Z304353			Owner:	7	
Tag:		A192645			Street Name:	905 MARCH RD	
Construction	Method:				County:	OTTAWA	
Elevation (m):					Municipality:	MARCH TOWNSHIP	
Elevation Reli	iability:				Site Info:		
Depth to Bedr	rock:				Lot:	012	
Well Depth:	a dua a la				Concession:	03 CON	
Overburden/B	searock:				Concession Name:	CON	
Pump Rate: Static Water L	aval				Easting NAD83: Northing NAD83:		
Flowing (Y/N)					Zone:		
Flow Rate:					UTM Reliability:		
Clear/Cloudy:					• · · · · · · · · · · · · · · · · · · ·		
PDF URL (Maj	р):						
Additional De	<u>tail(s) (Map</u>	l)					
Well Complete			2019/06/13				
Year Complet	ed:		2019				
Depth (m): Latitude:			1.9812 45.3591955276382				
Longitude:			-75.9384042444499				
Path:							
Bore Hole Info	ormation						
Bore Hole ID:		10074781	33		Elevation:		
DP2BR:					Elevrc:		
Spatial Status	:				Zone:	18	
Code OB:	••				East83:	426503.00	
Code OB Des Open Hole:	U.				North83: Org CS:	5023282.00 UTM83	
					019 03.	UT WOU	
				ormation Servic			100004

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DE
Improvement	ted: 13-Jun Irce Date: t Location Source: t Location Method: sion Comment:	-2019 00:00:00		UTMRC: UTMRC Desc: Location Method:	4 margin of error : 30 m - 100 m wwr	
<u>Overburden a</u> Materials Inte	and Bedrock erval					
Formation ID Layer: Color: General Colo Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation To	r: on Material:	1007976149 1 6 BROWN 05 CLAY 27 OTHER 79 PACKED 0.0				
Formation Er Formation Er	nd Depth: nd Depth UOM:	6.5 ft				
Pipe Informa	<u>tion</u>					
Pipe ID: Casing No: Comment: Alt Name:		1007975123 0				
Results of We	ell Yield Testing					
Recommende Pumping Rat Flowing Rate	fter Pumping: ed Pump Depth: e: :	1007980312				
Levels UOM: Rate UOM:	After Test Code:	ft GPM				
Pumping Tes Pumping Dur Pumping Dur Flowing:	at Method: ration HR:	0				
<u>6</u>	1 of 1	S/83.6	80.3 / 0.48	295 MARCH RD KANATA ON		www
Well ID: Construction Primary Wate Sec. Water U Final Well Sta Water Type:	er Use: Not Us se:			Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor:	12/22/2010 True Yes 6894	

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Casing Mate	rial:			Form Version:	7	
Audit No:	Z09693	33		Owner:		
Tag:				Street Name:	295 MARCH RD	
Construction	n Method:			County:	OTTAWA	
Elevation (m):			Municipality:	MARCH TOWNSHIP	
Elevation Re	liability:			Site Info:		
Depth to Bed				Lot:		
Well Depth:				Concession:		
Overburden/	Bedrock:			Concession Name:		
Pump Rate:				Easting NAD83:		
Static Water	Level:			Northing NAD83:		
Flowing (Y/N	I):			Zone:		
Flow Rate:				UTM Reliability:		
Clear/Cloudy	<i>'</i> :			-		
PDF URL (Ma	ap):	https://d2khazk8e83	Brdv.cloudfront.n	et/moe_mapping/downloads	s/2Water/Wells_pdfs/715\7156775.pdf	
Additional De	etail(s) (Map)					
Well Comple	ted Date:					
Year Comple	eted:					
Depth (m):						
Latitude:		45.3588872325645				
Longitude:		-75.9375820043333	3			
Path:		715\7156775.pdf				
Bore Hole In	formation					

Elevation:

Elevrc: Zone:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc: Location Method: 77.539993

426567.00

5023247.00

margin of error : 10 - 30 m

UTM83

18

3

wwr

Bore Hole ID:	1003443207
DP2BR: Spatial Status:	
Code OB:	
Code OB Desc:	
Open Hole:	
Cluster Kind:	
Date Completed:	
Remarks:	
Elevrc Desc:	
Location Source Date:	
Improvement Location	Source:
Improvement Location	
Source Revision Comm	nent:
Supplier Comment:	

<u>Annular Space/Abandonment</u> <u>Sealing Record</u>

Plug ID:	1003738549
Layer:	3
Plug From:	3
Plug To:	24
Plug Depth UOM:	ft

<u>Annular Space/Abandonment</u> <u>Sealing Record</u>

Plug ID:	1003738550
Layer:	4
Plug From:	24
Plug To:	29
Plug Depth UOM:	ft

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Annular Spa</u> <u>Sealing Reco</u>	<u>ce/Abandonment</u> ord				
Plug ID: Layer: Plug From: Plug To: Plug Depth U	ЮМ:	1003738547 1 0 0.800000011920929 ft			
<u>Annular Spa</u> Sealing Reco	<u>ce/Abandonment</u> ord				
Plug ID: Layer: Plug From: Plug To: Plug Depth U	юм:	1003738548 2 3 0.800000011920929 ft			
<u>Method of Co</u> <u>Use</u>	onstruction & Well				
Method Cons	struction Code:	1003738545			
<u>Pipe Informa</u>	<u>tion</u>				
Pipe ID: Casing No: Comment: Alt Name:		1003738538 0			
<u>Constructior</u>	n Record - Casing				
Casing ID: Layer: Material: Open Hole of Depth From: Depth To:		1003738542			
Casing Diam Casing Diam Casing Dept	eter UOM:	inch ft			
<u>Constructior</u>	Record - Screen				
Screen ID: Layer: Slot: Screen Top I Screen End I Screen Mate	Depth:	1003738543			
Screen Depti Screen Diam Screen Diam	h UOM: eter UOM:	ft inch			
Water Details	3				
Water ID: Layer:		1003738541			

Map Key	Number Record		Direction/ Distance (m	Elev/Diff) (m)	Site		DB
Kind Code:							
Kind:							
Water Found D Water Found D		<i>.</i>	ft				
Waler Found L	epin 00i	<i>vi.</i>	n				
<u>Hole Diameter</u>							
Hole ID:			1003738540				
Diameter:							
Depth From:							
Depth To:			<i>t</i> 1				
Hole Depth UC Hole Diameter			ft inch				
	00111.						
7	1 of 2		SSW/92.8	80.9 / 1.08	Kanata Plastic & Co	smetic Surgery	GEN
_					895 March Rd.		GEN
					Kanata ON K2K 1X7		
Generator No:		ON91793	817		PO Box No:		
Generator No: Status:		01191793	717		Country:	Canada	
Approval Year	s:	2015			Choice of Contact:	CO_OFFICIAL	
Contam. Facili		No			Co Admin:	Colleen Russell	
MHSW Facility		No			Phone No Admin:	613-591-1099 Ext.	
SIC Code:		621499					
SIC Descriptio	n:		ALL OTHER OUT	-PATIENT CARE (CENTRES		
Detail(s)							
Waste Class:			312				
Waste Class. Waste Class D	esc:		PATHOLOGICAL	WASTES			
<u>7</u> 2	2 of 2		SSW/92.8	80.9 / 1.08	Kanata Plastic & Co 895 March Rd. Kanata ON K2K 1X7		GEN
Generator No:		ON91793	314		PO Box No:		
Status:		01101700			Country:	Canada	
Approval Year	s:	2014			Choice of Contact:	CO_OFFICIAL	
Contam. Facili		No			Co Admin:	Colleen Russell	
MHSW Facility	:	No			Phone No Admin:	613-591-1099 Ext.	
SIC Code:		621499					
SIC Descriptio	n:		ALL OTHER OUT	-PATIENT CARE (CENTRES		
Detail(s)							
			312				
Waste Class:	esc:		312 PATHOLOGICAL	WASTES			
<u>Detail(s)</u> Waste Class: Waste Class D			PATHOLOGICAL				
Waste Class: Waste Class D	esc: 1 of 1			WASTES 77.8/-2.00	ON		BORE
Waste Class: Waste Class D		609828	PATHOLOGICAL		ON Inclin FLG:	No	BORE
Waste Class: Waste Class D <u>8</u> Borehole ID:		609828 2155114	PATHOLOGICAL			No Initial Entry	BORE
Waste Class: Waste Class D <u>8</u> Borehole ID: OGF ID:			PATHOLOGICAL		Inclin FLG:		BORE
Waste Class: Waste Class D <u>B</u> Borehole ID: OGF ID: Status: Type:			PATHOLOGICAL <i>E/102.8</i> 43		Inclin FLG: SP Status: Surv Elev: Piezometer:	Initial Entry	BORE
Waste Class: Waste Class D Borehole ID: OGF ID: Status: Type: Use:	1 of 1	2155114	PATHOLOGICAL <i>E/102.8</i> 43		Inclin FLG: SP Status: Surv Elev: Piezometer: Primary Name:	Initial Entry No	BORE
Waste Class: Waste Class D Borehole ID: OGF ID: Status: Type: Use: Completion Da	1 of 1 ate:	2155114	PATHOLOGICAL <i>E/102.8</i> 43		Inclin FLG: SP Status: Surv Elev: Piezometer: Primary Name: Municipality:	Initial Entry No	BORE
Waste Class: Waste Class D <u>8</u> Borehole ID: OGF ID: Status: Type: Use: Completion Da Static Water Lo	1 of 1 ate: evel:	2155114	PATHOLOGICAL <i>E/102.8</i> 43		Inclin FLG: SP Status: Surv Elev: Piezometer: Primary Name: Municipality: Lot:	Initial Entry No	BORE
Waste Class: Waste Class D <u>8</u> Borehole ID: OGF ID: Status: Type: Use: Completion Da Static Water Lo Primary Water	1 of 1 ate: evel: Use:	2155114	PATHOLOGICAL <i>E/102.8</i> 43		Inclin FLG: SP Status: Surv Elev: Piezometer: Primary Name: Municipality: Lot: Township:	Initial Entry No No	BORE
Waste Class: Waste Class D <u>8</u> Borehole ID: OGF ID: Status: Type: Use: Completion Da Static Water Lo	1 of 1 ate: evel: Use: e:	2155114	PATHOLOGICAL <i>E/102.8</i> 43		Inclin FLG: SP Status: Surv Elev: Piezometer: Primary Name: Municipality: Lot:	Initial Entry No	BORE

Map Key	Number o Records	of	Direction/ Distance (m)	Elev/Diff (m)	Site	Ľ
Depth Ref:		Ground Su	ırface		UTM Zone:	18
Depth Elev:					Easting:	426671
Drill Method:					Northing:	5023332
Orig Ground I		76.2			Location Accuracy:	
Elev Reliabil I					Accuracy:	Not Applicable
DEM Ground	Elev m:	75.4				
Concession:						
Location D:						
Survey D:						
Comments:						
Borehole Geo	ology Stratu	<u>m</u>				
Geology Strat		218384189	Э		Mat Consistency:	
Top Depth:		0			Material Moisture:	
Bottom Depth		2.7			Material Texture:	
Material Color		• •			Non Geo Mat Type:	
Material 1:		Sand			Geologic Formation:	
Material 2:					Geologic Group:	
Material 3:					Geologic Period:	
<i>Material 4:</i> Gsc Material I	Description				Depositional Gen:	
Stratum Desc	•		SAND.			
Geology Strat	tum ID:	218384190	า		Mat Consistency:	
Fop Depth:		2.7	5		Material Moisture:	
Bottom Depth		5.5			Material Texture:	
Material Color		Blue			Non Geo Mat Type:	
Material 1:		Clay			Geologic Formation:	
Material 2:		Oldy			Geologic Group:	
Material 3:					Geologic Period:	
Material 4:					Depositional Gen:	
Gsc Material I	Description	•			Dopoolitional Com	
Stratum Desc	•		CLAY. BLUE.			
Geology Strat	tum ID:	21838419	1		Mat Consistency:	
Top Depth:		5.5			Material Moisture:	
Bottom Depth	1:				Material Texture:	
Material Color	r:	Black			Non Geo Mat Type:	
Material 1:		Bedrock			Geologic Formation:	
Material 2:		Sandstone	•		Geologic Group:	
Material 3:					Geologic Period:	
Material 4:	_				Depositional Gen:	
Gsc Material I	•					
Stratum Desc	ription:	ľ	BEDROCK,SANDST records provided by	TONE. 64 VELOCI the department ha	TY = 14600. FEET.BLAC ave a truncated [Stratum D	K. LIMESTONE. BLUE. SANDSTO **Note: Ma Description] field.
Source						
Source Type:	:	Data Surve	әу		Source Appl:	Spatial/Tabular
Source Orig:			Survey of Canada		Source Iden:	1
Source Date:		1956-1972			Scale or Res:	Varies
Confidence:		Μ			Horizontal:	NAD27
Observatio:					Verticalda:	Mean Average Sea Level
	+2	ι	Urban Geology Auto	mated Information	System (UGAIS)	
Source Name	ls:	I	File: OTTAWA1.txt F	RecordID: 023360	NTS_Sheet: 31G05D	
		I	Reliable information	but incomplete.		
Source Detail						
Source Name Source Detail Confiden 1: <u>Source List</u>						
Source Detail Confiden 1: Source List Source Identii		1			Horizontal Datum:	NAD27
Source Detail Confiden 1:	•	1 Data Surve 1956-1972	•		Horizontal Datum: Vertical Datum: Projection Name:	NAD27 Mean Average Sea Level Universal Transverse Mercator

Order No: 21081000045

	Numbe Record		Direction/ Distance (m)	Elev/Diff) (m)	Site		DE
Scale or Re	solution:	Varies					
Source Nan					on System (UGAIS)		
Source Orig	ginators:		Geological Survey	/ of Canada			
<u>9</u>	1 of 1		W/107.3	79.7/-0.16	lot 12 con 3 ON		www
Well ID: Constructio Primary Wa		1503359 Domesti			Data Entry Status: Data Src: Date Received:	1 1/17/1964	
Sec. Water Final Well S	Use: Status:	0 Water S			Selected Flag: Abandonment Rec:	True	
Water Type Casing Mate Audit No:					Contractor: Form Version: Owner:	3504 1	
Tag: Constructio					Street Name: County:		
Elevation (n Elevation R Depth to Be	éliability:				<i>Municipality: Site Info: Lot:</i>	MARCH TOWNSHIP 012	
Well Depth: Overburden Pump Rate: Static Wate	: n/Bedrock: :				Concession: Concession Name: Easting NAD83: Northing NAD83:	03 CON	
Flowing (Y/ Flow Rate: Clear/Cloud	′N):				Zone: UTM Reliability:		
PDF URL (N	Мар):		https://d2khazk8e	83rdv.cloudfront.ne	et/moe_mapping/downloads	/2Water/Wells_pdfs/150\1503359.pdf	
Additional L	Detail(s) (Ma	<u>p)</u>					
Well Compl Year Compl	leted Date:	<u>(a</u>)	1963/05/23 1963				
Well Compl Year Compl Depth (m): Latitude:	leted Date:	<u>(a</u>)	1963 18.288 45.359596085531				
Well Compl Year Compl Depth (m): Latitude: Longitude:	leted Date:	<u>(a</u>)	1963 18.288				
Well Compl Year Compl Depth (m): Latitude: Longitude: Path:	leted Date: leted:	<u>(a)</u>	1963 18.288 45.359596085531 -75.93895223070				
Well Compl Year Compl Depth (m): Latitude: Longitude: Path:	leted Date: leted: nformation	1002540 12.00	1963 18.288 45.359596085531 -75.93895223070 150\1503359.pdf		Elevation: Elevrc:	79.530921	
Well Compl Year Compl Depth (m): Latitude: Longitude: Path: Bore Hole II DP2BR: Spatial Stat Code OB:	leted Date: leted: <u>Information</u> D: tus:	100254(12.00 r	1963 18.288 45.359596085531 -75.93895223070 150\1503359.pdf		Elevrc: Zone: East83:	18 426460.60	
Well Compl Year Compl Depth (m): Latitude: Longitude: Path: Bore Hole II DP2BR: Spatial Stat Code OB: Code OB Do Open Hole:	leted Date: leted: nformation D: tus: esc:	100254(12.00	1963 18.288 45.359596085531 -75.93895223070 150\1503359.pdf		Elevrc: Zone: East83: North83: Org CS:	18 426460.60 5023327.00	
Well Compl Year Compl Depth (m): Latitude: Longitude: Path: Bore Hole II DP2BR: Spatial Stat Code OB: Code OB De Open Hole: Cluster Kine Date Compl Remarks:	leted Date: leted: <u>information</u> D: tus: esc: d: leted:	1002540 12.00 r Bedrock	1963 18.288 45.359596085531 -75.93895223070 150\1503359.pdf		Elevrc: Zone: East83: North83:	18 426460.60	
Well Compl Year Compl Depth (m): Latitude: Longitude: Path: Bore Hole II DP2BR: Spatial Stat Code OB: Code OB De Open Hole: Cluster Kinp Date Compl Remarks: Elevrc Desc Location Sc Improvement	leted Date: leted: information D: tus: esc: d: leted: c: purce Date: nt Location	1002540 12.00 r Bedrock 23-May- Source:	1963 18.288 45.359596085531 -75.93895223070 150\1503359.pdf		Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc:	18 426460.60 5023327.00 5 margin of error : 100 m - 300 m	
Well Compl Year Compl Depth (m): Latitude: Longitude: Path: Bore Hole II DP2BR: Spatial Stat Code OB: Code OB De Open Hole: Cluster Kind Date Compl Remarks: Elevrc Desc Location So Improvemel Source Rev	leted Date: leted: information D: tus: esc: d: leted: c: ource Date: nt Location nt Location vision Comm	1002540 12.00 r Bedrock 23-May- Source: Method:	1963 18.288 45.359596085531 -75.93895223070 150\1503359.pdf		Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc:	18 426460.60 5023327.00 5 margin of error : 100 m - 300 m	
Well Compl Year Compl Depth (m): Latitude: Longitude: Path: Bore Hole II DP2BR: Spatial Stat Code OB: Code OB De Open Hole: Cluster Kind Date Compl Remarks: Elevrc Desc Location Sc Improvement Source Rev Supplier Co	leted Date: leted: information D: tus: esc: d: leted: c: ource Date: nt Location nt Location rision Commont: omment:	100254(12.00 r Bedrock 23-May- Source: Method: pent:	1963 18.288 45.359596085531 -75.93895223070 150\1503359.pdf		Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc:	18 426460.60 5023327.00 5 margin of error : 100 m - 300 m	

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Color:					
General Colo	or:	05			
Mat1: Most Commo	n Matariali	05 CLAY			
Mat2:	Jii Waleriai.	11			
Mat2 Desc:		GRAVEL			
Mat3:		12			
Mat3 Desc:		STONES			
Formation To		0.0			
Formation E		12.0			
Formation El	nd Depth UOM:	ft			
<u>Overburden a</u> Materials Inte	and Bedrock erval				
Formation ID):	930996658			
Layer:		2			
Color: General Colo					
Mat1:	or:	15			
Most Commo	on Material:	LIMESTONE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:		40.0			
Formation To Formation El	op Depth: nd Depth:	12.0 38.0			
	nd Depth UOM:	ft			
i onnation 2	.u 20pai 00				
<u>Overburden a</u> <u>Materials Inte</u>	and Bedrock erval				
Formation ID):	930996659			
Layer:		3			
Color:					
General Colo Mat1:	or:	18			
Most Commo	n Material	SANDSTONE			
Mat2:		0, and 0 i one			
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation To Formation E	op Depth: nd Donth:	38.0 60.0			
	nd Depth UOM:	60.0 ft			
i onnution Ei					
<u>Method of Co</u> <u>Use</u>	onstruction & Well				
Method Cons		961503359			
	struction Code:	1 Ochla Taal			
Method Cons Other Metho	struction: d Construction:	Cable Tool			
<u>Pipe Informa</u>	<u>tion</u>				
Pipe ID:		10573972			
Casing No:		10573972			
Comment:		•			
Alt Name:					

Construction Record - Casing

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing ID:		930043555			
Layer:		1			
Material:		1			
Open Hole or	Material:	STEEL			
Depth From:					
Depth To:		20			
Casing Diame		6 			
Casing Diame Casing Depth		inch ft			
<u>Construction</u>	Record - Casing	g			
Casing ID:		930043556			
Layer:		2			
Material:		4			
Open Hole or	Material:	OPEN HOLE			
Depth From:		60			
Depth To:	- 4 v -	60 6			
Casing Diame	eter:	6 inch			
Casing Diame Casing Depth		inch ft			
Casing Depth		π			
<u>Results of We</u>	ell Yield Testing				
Pump Test ID):	991503359			
Pump Set At:					
Static Level:		15.0			
	fter Pumping:	40.0			
Recommende	ed Pump Depth:				
Pumping Rate		5.0			
Flowing Rate					
	ed Pump Rate:	5.0			
Levels UOM:		ft			
Rate UOM:		GPM			
	fter Test Code:	1			
Water State A		CLEAR			
Pumping Tes		1			
Pumping Dur		1			
Pumping Dura	ation MIN:	0 No			
Flowing:		NO			
<u>Water Details</u>					
Water ID:		933456253			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found		60.0			
Water Found	Depth UOM:	ft			
<u>10</u>	1 of 1	ESE/117.8	79.4 / -0.42	McDonald's Restaurants of Canada Limited 886 March Rd Ottawa ON H9P 2V5	ECA
Approval No:		6-9MJQ5V		MOE District:	
Approval Date		4-08-07		City:	
Status:		roved		Longitude:	
Record Type:		A		Latitude:	
Link Source:	IDS			Geometry X:	
SWP Area Na				Geometry Y:	
Approval Typ	e.	ECA-MUNICIPAL A			

erisinfo.com | Environmental Risk Information Services

Map Key Numb Reco	per of Direction/ rds Distance (i	Elev/Diff m) (m)	Site		DE
Project Type: Business Name: Address: Full Address: Full PDF Link:	McDonald's Re 886 March Rd	ND PRIVATE SEWAG staurants of Canada cessenvironment.ene		9FZJC9-14.pdf	
<u>11</u> 1 of 1	ESE/118.9	78.9 / -0.95	886 March Road Ottawa ON K2K 1X7		EHS
Order No: Status: Report Type: Report Date: Date Received: Previous Site Name: Lot/Building Size: Additional Info Ordero	20120611011 C Standard Select Report 12-JUN-12 11-JUN-12 15,800sm ed:		Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	Kanata ON .25 -75.936185 45.359224	
<u>12</u> 1 of 1	SE/156.4	79.9 / 0.05	ON		BORE
Develor ID.	600000		Inclin El O	No	
Borehole ID: OGF ID:	609823 215511438		Inclin FLG: SP Status:	No Initial Entry	
Status:	210011100		Surv Elev:	No	
Туре:	Borehole		Piezometer:	No	
Use: Completion Date: Static Water Level: Primary Water Use:	JUN-1969		Primary Name: Municipality: Lot: Township:		
Sec. Water Use:			Latitude DD:	45.358401	
Total Depth m:	18.6		Longitude DD:	-75.936635	
Depth Ref: Depth Elev: Drill Method:	Ground Surface		UTM Zone: Easting: Northing:	18 426641 5023192	
Orig Ground Elev m:	78		Location Accuracy:	Not Annelle ship	
Elev Reliabil Note: DEM Ground Elev m: Concession: Location D: Survey D: Comments:	77.7		Accuracy:	Not Applicable	
Borehole Geology Sti	ratum				
Geology Stratum ID:	218384176		Mat Consistency:		
Top Depth:	0		Material Moisture:		
Bottom Depth:	7.6		Material Texture:		
Material Color: Material 1:	Clay		Non Geo Mat Type: Geologic Formation:		
Material 2:	Sidy		Geologic Group:		
Material 3:			Geologic Period:		
Material 4:	·		Depositional Gen:		
Gsc Material Descript Stratum Description:	CLAY.				
Geology Stratum ID:	218384177		Mat Consistency:		
Top Depth:	7.6		Material Moisture:		
Bottom Depth:	18.6 Dia di		Material Texture:		
Material Color:	Black		Non Geo Mat Type:		
Material 1:	Sandstone		Geologic Formation:		

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		D
Material 3: Material 4:					Geologic Period: Depositional Gen:		
Gsc Material L	Description						
Stratum Desc	ription:	;	SANDSTONE. 000	60000870005800	075 SEISMIC VELOCITY =	14600. FEET.BLACK. LIMESTONE.	
<u>Source</u>							
Source Type:		Data Surve			Source Appl:	Spatial/Tabular	
Source Orig:			Survey of Canada	A	Source Iden:	1	
Source Date:		1956-1972	2		Scale or Res:	Varies NAD27	
Confidence: Observatio:					Horizontal: Verticalda:	Mean Average Sea Level	
Source Name:	-		I Irban Geology Au	tomated Informatio	on System (UGAIS)	Mean Average Sea Level	
Source Details			File: OTTAWA1.txt				
Confiden 1:							
Source List							
Source Identii	fier:	1			Horizontal Datum:	NAD27	
Source Type:		Data Surve			Vertical Datum:	Mean Average Sea Level	
Source Date:	1	1956-1972	2		Projection Name:	Universal Transverse Mercator	
Scale or Reso Source Name:		Varies		tomated Informativ	on System (UGAIS)		
Source Name. Source Origin			Geological Survey		on System (UGAIS)		
_							
<u>13</u>	1 of 1		SE/156.5	79.9 / 0.05	lot 11 con 4 ON		wn
Well ID: Construction	Data:	1510247			Data Entry Status: Data Src:	1	
Primary Water		Domestic			Data Sic. Date Received:	10/30/1969	
Sec. Water Us		0			Selected Flag:	True	
Final Well Sta		Water Sup	vla		Abandonment Rec:		
Water Type:			F-7		Contractor:	1503	
Casing Materi	ial:				Form Version:	1	
Audit No:					Owner:		
Tag:					Street Name:		
Construction					County:	OTTAWA	
Elevation (m):					Municipality:	MARCH TOWNSHIP	
Elevation Reli					Site Info:	011	
Depth to Bedr Well Depth:	OCK:				Lot: Concession:	011 04	
overburden/B	adrock:				Concession Name:	CON	
Pump Rate:	Beurock.				Easting NAD83:	CON	
Static Water L	evel [.]				Northing NAD83:		
Flowing (Y/N)					Zone:		
Flow Rate:	-				UTM Reliability:		
Clear/Cloudy:							
PDF URL (Maj	p):	I	https://d2khazk8e8	3rdv.cloudfront.ne	et/moe_mapping/downloads	/2Water/Wells_pdfs/151\1510247.pdf	
Additional De	<u>tail(s) (Map</u>)					
Well Complete	ed Date:		1969/06/11				
Year Complete			1969				
Depth (m):			18.5928				
Latitude:			45.358399933516				
			75 00000 40 40774	-			
Longitude:		-	-75.936634248771	2			

Bore Hole Information

• •	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		D
Bore Hole ID:	10032	275		Elevation:	77.674873	
DP2BR:	25.00			Elevrc:		
Spatial Status:	_			Zone:	18	
Code OB:	r Doduor	-l.		East83:	426640.60	
Code OB Desc:	: Bedroo	CK		North83:	5023192.00	
Open Hole:				Org CS:	4	
Cluster Kind:		1000 00.00.00		UTMRC:	4 marcin of array 20 m 100 m	
Date Complete Remarks:	a: II-Jun	-1969 00:00:00		UTMRC Desc: Location Method:	margin of error : 30 m - 100 m p4	
Elevrc Desc:				Location Method.	p4	
Location Source	Data:					
	ocation Source:					
	ocation Method:					
Source Revisio						
Supplier Comm						
<u>Overburden an</u> Materials Interv						
Formation ID:		931014324				
Layer:		1				
Color:						
General Color:						
Mat1:		05				
Most Common	Material:	CLAY				
Mat2:						
Mat2 Desc:						
Mat3:						
Mat3 Desc:						
Formation Top		0.0				
Formation End		25.0				
Formation End	Depth UOM:	ft				
Overburden an Materials Interv						
Formation ID:		931014325				
Layer:		2				
Color:						
General Color:						
Mat1:		18				
Most Common	Material:	SANDSTONE				
Mat2:						
Mat2 Desc:						
Mat3:						
Mat3 Desc:						
Formation Top		25.0				
Formation End		61.0				
Formation End	Depth UOM:	ft				
<u>Method of Con</u> <u>Use</u>	struction & Well					
Method Constr	uction ID:	961510247				
Method Constr		1				
Method Constr Other Method (Cable Tool				
Pipe Informatio	<u>on</u>					
Pipe ID:		10580845				
		4				
Casing No:		1				

Comment: Alt Name:

Construction Record - Casing

Casing ID:	930057146
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	61
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930057145
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	28
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991510247
Pump Set At:	
Static Level:	5.0
Final Level After Pumping:	9.0
Recommended Pump Depth:	30.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933465213
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60.0
Water Found Depth UOM:	ft

14 1 of 1	W/160.3	79.9 / 0.05	lot 12 con 3 ON		wwis
Well ID: Construction Date:	1516260		Data Entry Status: Data Src:	1	
Primary Water Use: Sec. Water Use:	Domestic 0		Date Received: Selected Flag:	11/17/1977 True	

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erisinfo.com | Environmental Risk Information Services

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Final Well St	atus: Water	Supply		Abandonment Rec:		
Water Type:				Contractor:	1558	
Casing Mater	rial:			Form Version:	1	
Audit No:				Owner:		
Tag:				Street Name:		
Construction	n Method:			County:	OTTAWA	
Elevation (m);			Municipality:	MARCH TOWNSHIP	
Elevation Re				Site Info:		
Depth to Bed				Lot:	012	
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	<i>'</i> :					

PDF URL (Map):

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1516260.pdf

Additional Detail(s) (Map)

Well Completed Date:	1977/10/04
Year Completed:	1977
Depth (m):	35.052
Latitude:	45.359905841084
Longitude:	-75.9395957594026
Path:	151\1516260.pdf

Bore Hole Information

Bore Hole ID:	10038190	Elevation:	77.210594
DP2BR:	11.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	426410.60
Code OB Desc:	Bedrock	North83:	5023362.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	04-Oct-1977 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	p4
Elevrc Desc:			
Location Source Date	2		
Improvement Locatio	n Source:		
Improvement Locatio	n Method:		

<u>Overburden and Bedrock</u> <u>Materials Interval</u>

43

Source Revision Comment: Supplier Comment:

Formation ID:	931031604
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	9.0
Formation End Depth:	11.0
Formation End Depth UOM:	ft

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DE
Overburden Materials Inte	and Bedrock erval				
Formation ID) <u>;</u>	931031605			
Layer:		3			
Color:		2			
General Colo Mat1:	or:	GREY 15			
Matt: Most Commo	on Material	LIMESTONE			
Mat2:		18			
Mat2 Desc:		SANDSTONE			
Mat3:		73			
Mat3 Desc:	Denth	HARD			
Formation Te Formation El		11.0 35.0			
Formation El	nd Depth UOM:	ft			
<u>Overburden</u> Materials Inte	<u>and Bedrock</u> erval				
Formation ID		931031603			
Layer:		1			
Color: General Colo	~~	6 BROWN			
General Cold Mat1:	Dr:	05			
Most Commo	on Material:	CLAY			
Mat2:		79			
Mat2 Desc:		PACKED			
Mat3:					
Mat3 Desc:	an Danth	0.0			
Formation Te Formation El	op Depth: nd Denth:	9.0			
	nd Depth UOM:	ft			
<u>Overburden</u> Materials Inte	<u>and Bedrock</u> erval				
Formation ID):	931031606			
Layer:		4			
Color: General Colo	~r·	2 GREY			
Mat1:	<i>.</i>	18			
Most Commo	on Material:	SANDSTONE			
Mat2:					
Mat2 Desc:					
Mat3: Mat3 Desc:					
Formation To	on Denth:	35.0			
Formation E		115.0			
Formation E	nd Depth UOM:	ft			
<u>Method of Co Use</u>	onstruction & Well	_			
Method Cons Method Cons	struction ID: struction Code:	961516260 5			
Method Cons		Air Percussion			
Pipe Informa	<u>ition</u>				
Pipe ID:		10586760			
	erisinfo.com I En	vironmental Risk Info	rmation Service	S	Order No: 21081000045
44					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction</u>	<u>Record - Casing</u>				
Casing ID:		930067186			
Layer:		2			
Material:		4			
Open Hole or	Material:	OPEN HOLE			
Depth From:		445			
Depth To:		115			
Casing Diame		in alt			
Casing Diame		inch ft			
Casing Depth	00M.	n			
<u>Construction</u>	Record - Casing				
Casing ID:		930067185			
ayer:		1			
Material:		1 07551			
Open Hole or	Material:	STEEL			
Depth From:		00			
Depth To:		22 6			
Casing Diame Casing Diame		inch			
		ft			
Casing Depth		π			
Results of We	ell Yield Testing				
Pump Test ID		991516260			
Pump Set At:					
Static Level:		20.0			
	fter Pumping:	70.0			
	ed Pump Depth:	75.0			
Pumping Rate		15.0			
lowing Rate	;				
	ed Pump Rate:	5.0			
evels UOM:		ft			
Rate UOM:		GPM			
	fter Test Code:	1			
Vater State A					
Pumping Tes		1 1			
Pumping Dura Pumping Dura	ation MN	0			
Flowing:		No			
-					
Draw Down &	Recovery				
Pump Test De	ətail ID:	934101771			
est Type:		Draw Down			
est Duration	15	15			
est Level:		70.0			
est Level UC)M:	ft			
Draw Down &	Recovery				
Pump Test De	ətail ID:	934640906			
		Draw Down			
	1-	45			
Test Type: Test Duration	•				
		70.0			

Draw Down & Recovery

Pump Test Detail ID:	934898808
Test Type:	Draw Down
Test Duration:	60
Test Level:	70.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934379814
Test Type:	Draw Down
Test Duration:	30
Test Level:	70.0
Test Level UOM:	ft

Water Details

Water ID:	933472534
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	113.0
Water Found Depth UOM:	ft

<u>15</u>	1 of 1	SE/167.9	80.9 / 1.10	886 MARCH ROAD I CARP ON	ot 11 con 4	WWIS
Elevation Elevation Depth to E Well Depth	ater Use: r Use: Status: e: aterial: ion Method: (m): Reliability: Bedrock: h: en/Bedrock: e: fer Level: (/N): ;	7049297 Abandoned-Other Z60172		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	9/17/2007 True Yes 1119 4 886 MARCH ROAD OTTAWA MARCH TOWNSHIP 011 04 CON	

PDF URL (Map):

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/704\7049297.pdf

Additional Detail(s) (Map)

Well Completed Date: Year Completed:	2007/08/02 2007
Depth (m):	2007
Latitude:	45.3583104
Longitude:	-75.9365638
Path:	704\704929

583104972882 365638273091 7049297.pdf

• •	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		D
Bore Hole Infor	rmation					
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole:	230492	97		Elevation: Elevrc: Zone: East83: North83: Org CS:	77.812026 18 426646.00 5023182.00 UTM83	
	e Date: ocation Source: ocation Method: on Comment:	-2007 00:00:00		UTMRC: UTMRC Desc: Location Method:	3 margin of error : 10 - 30 m wwr	
<u>Overburden an</u> Materials Interv						
Formation ID: Layer: Color: General Color: Mat1: Most Common Mat2: Mat2 Desc:	Material:	1000025640 1				
Mat2 Desc. Mat3: Formation Top Formation End Formation End	Depth:	0.0 m				
Annular Space Sealing Record	/Abandonment I					
Plug ID: Layer: Plug From: Plug To: Plug Depth UO	М:	1000025642 2 0.150000005960464 0 m	Ļ			
<u>Annular Space</u> Sealing Record	<u>/Abandonment</u> I					
Plug ID: Layer: Plug From: Plug To: Plug Depth UO	М:	1000025641 1 24.07999999237061 0.150000005960464 m	l			
<u>Method of Con</u>	struction & Well					
Method Constr Method Constr Method Constr Other Method (uction Code: uction:	1000025645				

Pipe Information

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Pipe ID: Casing No: Comment: Alt Name:		1000025638 0				
<u>Construction</u>	Record - Screen					
Screen ID: Layer: Slot: Screen Top I Screen End I Screen Mater Screen Deptf Screen Diamo	Depth: rial: n UOM: eter UOM:	1000025644				
Results of W	ell Yield Testing					
Recommende Pumping Rat Flowing Rate	fter Pumping: ed Pump Depth: e: :	1000025639				
Levels UOM: Rate UOM:	After Test Code: After Test: st Method:	m LPM 0				
Pumping Dur Flowing:						
Water Details	2					
Water ID: Layer: Kind Code: Kind:		1000025643 1				
Water Found Water Found	Depth: Depth UOM:	m				
<u>16</u>	1 of 1	SSE/170.1	81.2 / 1.38	lot 11 con 3 ON		wwis
Well ID: Construction Primary Wate Sec. Water U Final Well Sta Water Type: Casing Mater Audit No:	er Use: Dome se: 0 atus: Water			Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner:	1 6/25/1965 True 4216 1	
Tag: Construction Elevation (m) Elevation Rel Depth to Bed): liability:			Street Name: County: Municipality: Site Info: Lot:	OTTAWA MARCH TOWNSHIP 011	

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		D
Well Depth: Overburden/E Pump Rate: Static Water L Flowing (Y/N) Flow Rate: Clear/Cloudy:	.evel: :			Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	03 CON	
PDF URL (Maj	p):	https://d2khazk8e83	rdv.cloudfront.n	et/moe_mapping/downloads	s/2Water/Wells_pdfs/150\1503356.pdf	
Additional De	tail(s) (Map)					
Well Complete Year Complet Depth (m): Latitude: Longitude: Path:		1965/05/28 1965 13.1064 45.3581246924318 -75.9372680922699 150\1503356.pdf				
Bore Hole Infe	ormation					
Improvement	11.00 s: c: Bedroc red: 28-May rce Date: Location Source: Location Method: ion Comment:	k /-1965 00:00:00		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	78.960632 18 426590.60 5023162.00 5 margin of error : 100 m - 300 m p5	
<u>Overburden a</u> Materials Inte						
Formation ID: Layer: Color: General Color Mat1: Most Common Mat2: Mat2 Desc: Mat3 Desc: Formation Ton Formation En Formation En	r: n Material: p Depth:	930996652 2 7 RED 21 GRANITE 11.0 43.0 ft				
<u>Overburden a</u> <u>Materials Inte</u>						
Formation ID: Layer: Color: General Color Mat1:		930996651 1 05				

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Most Commo	n Material:	CLAY			
Mat2:					
Mat2 Desc:					
Mat3: Mat3 Desc:					
Formation To	n Denth	0.0			
Formation En		11.0			
	d Depth UOM:	ft			
<u>Method of Co</u> <u>Use</u>	nstruction & Well				
Method Cons		961503356			
	truction Code:	1 October 75 octo			
Method Cons Other Method	truction: I Construction:	Cable Tool			
Pipe Informat	ion				
Pipe ID:		10573969			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction</u>	<u> Record - Casing</u>				
Casing ID:		930043550			
Layer:		2			
Material: Open Hole or	Material:	4 OPEN HOLE			
Depth From:					
Depth To:		43			
Casing Diame		5 inch			
Casing Diame Casing Depth	UOM:	inch ft			
<u>Construction</u>	Record - Casing				
Casing ID:		930043549			
Layer:		1			
Material:		1			
Open Hole or	Material:	STEEL			
Depth From: Depth To:		15			
Casing Diame	eter:	5			
Casing Diame	eter UOM:	inch			
Casing Depth		ft			
Results of We	ell Yield Testing				
Pump Test ID		991503356			
Pump Set At:					
Static Level:	(7.0			
	fter Pumping:	17.0 25.0			
Recommende	ed Pump Depth:	25.0 5.0			
Flowing Rate		0.0			
	ed Pump Rate:	5.0			
Levels UOM:	······································	ft			
Rate UOM:		GPM			
Water State A Water State A		1 CLEAR			

Мар Кеу	Number o Records	f	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Pumping Test Pumping Dura Pumping Dura Flowing:	ation HR:		1 1 0 No				
<u>Water Details</u>							
Water ID: Layer: Kind Code: Kind: Water Found Water Found			933456250 1 1 FRESH 43.0 ft				
<u>17</u>	1 of 1		NNE/173.9	78.0/-1.86	ON		WWIS
Well ID: Construction Primary Wate Sec. Water Us Final Well Sta Water Type: Casing Materi Audit No: Tag: Construction Elevation (m). Elevation Reli Depth to Bedi Well Depth: Overburden/E Pump Rate: Static Water L Flowing (Y/N) Flow Rate: Clear/Cloudy: PDF URL (Maj	Date: r Use: se: ial: Method: : iability: rock: Bedrock: Level: :	201372 221215 130127			Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	Yes 5/9/2013 True 1844 8 OTTAWA MARCH TOWNSHIP	
Additional De	etail(s) (Map)						
Well Complet Year Complet Depth (m): Latitude: Longitude: Path:	ed Date:		2012/09/07 2012 45.3610903928767 -75.936750146618				

Bore Hole Information

Bore Hole ID: DP2BR: Spatial Status:	1004290600	Elevation: Elevrc: Zone:	74.394798 18
Code OB:		East83:	426635.00
Code OB Desc:		North83:	5023491.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	07-Sep-2012 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc: Location Source Date:			

Map Key	Numbe Record		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Improveme	ent Location ent Location vision Comm comment:	Method:					
<u>18</u>	1 of 1		NNW/176.9	79.9 / 0.05	lot 12 con 4 ON		wwis
Elevation (Elevation I Depth to B Well Depth	ater Use: Vuse: Status: e: terial: fon Method: (m): Reliability: bedrock: n: m/Bedrock: e: er Level: (/N):	1503414 Domestic 0 Water Sup	oply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 7/6/1964 True 1503 1 OTTAWA MARCH TOWNSHIP 012 04 CON	
PDF URL (Man).		https://d2khazk8e8	Brdv.cloudfront.n	et/moe_mapping/downloads	/2Water/Wells_pdfs/150\1503414.pc	lf

Well Completed Date:	1964/02/06
Year Completed:	1964
Depth (m):	15.5448
Latitude:	45.3610847823681
Longitude:	-75.9385299638792
Path:	150\1503414.pdf

Bore Hole Information

Bore Hole ID:	10025457	Elevation:	77.912040
DP2BR:	9.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	426495.60
Code OB Desc:	Bedrock	North83:	5023492.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	06-Feb-1964 00:00:00	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	р5
Elevrc Desc:			
Location Source Date	9:		
Improvement Locatio	on Source:		
Improvement Locatio	on Method:		
Source Revision Con	nment:		

Overburden and Bedrock Materials Interval

Supplier Comment:

Formation ID:

		Distance (m)	(m)	
Layer:		1		
Color: General Coloi				
Mat1:	-	05		
Most Commo	n Material:	CLAY		
Mat2:		13		
Mat2 Desc: Mat3:		BOULDERS		
Mat3 Desc:				
Formation To	p Depth:	0.0		
Formation En		9.0		
Formation En	d Depth UOM:	ft		
<u>Overburden a</u> Materials Inte				
Formation ID:		930996778		
Layer: Color:		3		
General Color	r:			
Mat1:		21		
Most Commo	n Material:	GRANITE		
Mat2: Mat2 Desc:				
Mat2 Desc. Mat3:				
Mat3 Desc:				
Formation To		40.0		
Formation En	d Depth: d Depth UOM:	51.0 ft		
Formation En	u Depui OOM.	n		
Overburden a Materials Inte				
Formation ID:		930996777		
Layer:		2		
Color:				
General Coloı Mat1:	·:	18		
Most Commo	n Material:	SANDSTONE		
Mat2:				
Mat2 Desc:				
Mat3: Mat3 Desc:				
Formation To	p Depth:	9.0		
Formation En	d Depth:	40.0		
Formation En	d Depth UOM:	ft		
<u>Method of Co</u> <u>Use</u>	nstruction & Well			
Method Cons	truction ID:	961503414		
Method Cons	truction Code:	1		
Method Cons Other Method	truction: Construction:	Cable Tool		
Pipe Informat	ion			
Pipe ID:		10574027		
Casing No:		1		
Comment:				
Alt Name:				

Map Key	Numbe Record		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Construction	Record -	<u>Casing</u>					
Casing ID:			930043663				
Layer:			1				
Material:	Motorial		1 STEEL				
Open Hole or Depth From:	' Materiai:		SIEEL				
Depth To:			18				
Casing Diam			5				
Casing Diam Casing Depth			inch ft				
Construction	Record -	<u>Casing</u>					
Casing ID:			930043664				
Layer:			2				
Material:			4				
Open Hole or	Material:		OPEN HOLE				
Depth From: Depth To:			51				
Casing Diam	eter:		5				
Casing Diam			inch				
Casing Depth	n UOM:		ft				
Results of W	ell Yield Te	esting					
Pump Test ID			991503414				
Pump Set At:							
Static Level: Final Level A	ftor Dump	inai	11.0 11.0				
Recommende	ed Pump D	Depth:	40.0				
Pumping Rat Flowing Rate	e:	, opun	10.0				
Recommende		Rate:	5.0				
Levels UOM:			ft				
Rate UOM: Water State A	Aftor Tost (Codor	GPM 2				
Water State A			CLOUDY				
Pumping Tes			1				
Pumping Dur	ration HR:		1				
Pumping Dur	ration MIN:	:	0				
Flowing:			No				
Water Details	i						
Water ID:			933456319				
Layer:			1				
Kind Code: Kind:			1 FRESH				
Kina: Water Found	Depth-		50.0				
Water Found		М:	ft				
<u>19</u>	1 of 1		NNW/177.0	79.9 / 0.05	ON		BORE
.		000000				N I -	
Borehole ID: OGF ID:		609833 215511			Inclin FLG: SP Status:	No Initial Entry	
OGF ID: Status:		210011	0++0		SP Status: Surv Elev:	No	
Туре:		Boreho	le		Piezometer:	No	
Use:					Primary Name:		
Completion L		FEB-19	964		Municipality:		
Static Water	Level:	5.8			Lot:		

Map Key	Numbei Record:		Direction/ Distance (m)	Elev/Diff (m)	Site	DE
Primary Wate Sec. Water U Total Depth r Depth Ref: Depth Elev: Drill Method: Orig Ground Elev Reliabil DEM Ground Concession: Location D: Survey D:	se: n: Elev m: Note:	15.5 Ground St 79.2 77.9	ırface		Township: Latitude DD: Longitude DD: UTM Zone: Easting: Northing: Location Accuracy: Accuracy:	45.361086 -75.93853 18 426496 5023492 Not Applicable
Comments:	- la an a Cóma á					
Borehole Geo Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 3: Material 3:	tum ID: h:	21838419 0 2.7 Clay Boulders	9		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Gsc Material Stratum Desc	•		CLAY,BOULDERS.			
Geology Stra Top Depth: Bottom Depth Material Co Material 1: Material 2: Material 3: Gsc Material	h: ir:	21838420 2.7 12.2 Sandstone			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Stratum Desc Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 2: Material 3: Material 4: Gsc Material Stratum Desc	tum ID: h: or: Description	21838420 12.2 15.5 Black Granite n:	GRANITE. 00050ST			LACK. LIMESTONE. BLUE. SANDSTONE. BLA ated [Stratum Description] field.
<u>Source</u>						
Source Type: Source Orig: Source Date: Confidence:		Data Surv Geologica 1956-1972	Survey of Canada		Source Appl: Source Iden: Scale or Res: Horizontal:	Spatial/Tabular 1 Varies NAD27

Confidence: Observatio: Source Name: Source Details: Confiden 1:

Urban Geology Automated Information System (UGAIS)

Horizontai: Verticalda: File: OTTAWA1.txt RecordID: 02341 NTS_Sheet:

NAD27 Mean Average Sea Level

Мар Кеу	Numbe Record			Elev/Diff (m)	Site		DB
Source Ide Source Typ Source Dat	e:	1 Data Survey 1956-1972			Horizontal Datum: Vertical Datum: Projection Name:	NAD27 Mean Average Sea Level Universal Transverse Mercator	
Scale or Re Source Nar Source Orig	ne:	Varies Urban Geol Geological			on System (UGAIS)		
<u>20</u>	1 of 2	SE/180.0		80.9 / 1.10	858 March Rd,Kanata ON		PINC
Incident ID:		2682198			Pipe Material:	Natural Cas	
ncident No		525800			Fuel Category:	Natural Gas	
	ported Dt:	FC Disalisa Isaidant			Health Impact:	No	
Type:		FS-Pipeline Incident			Environment Impact:	No	
Status Cod Tank Status		Pipeline Damage Rea RC Established	ason Esi	L	Property Damage:	Yes Yes	
rank Statu: Task No:	5.	3215894			Service Interrupt: Enforce Policy:	Yes	
spills Actio	n Contro	3213094			Public Relation:	No	
Fuel Type:	in Centre.	Natural Gas			Pipeline System:	NO	
uer rype. Fuel Occur	ronco Tn·	Pipeline Strike			PSIG:		
Date of Occ		1/6/2011 0:00			Attribute Category:	FS-Perform P-line Inc Invest	
Dccurrence		2011/02/09			Regulator Location:		
Depth:		2011/02/00			Method Details:	E-mail	
-	Acct Name:				method Details.		
Incident Ad							
Operation 1		Constructio	n Site (i	ncluding excavati	ion)		
Pipeline Ty	••		(J			
Regulator 1							
Summary:	<i>,</i>	858 March	Rd,Kana	ata - 1 1/4" PE Pi	peline Hit		
Reported B	v:	Stiles, Jeff			•		
Affiliation:	-	Industry Sta	akeholde	er (Licensee/Regi	stration/Certificate Holder, Fa	acility Owner, etc.)	
Occurrence	e Desc:	no locates	with ope	rator			
Damage Re Notes:	eason:	Excavation	practice	es not sufficient			
<u>20</u>	2 of 2	SE/180.0		80.9 / 1.10	858 MARCH ROAD, K ON K2W 0C9	ANATA	PINC
Incident ID:		2685528			Pipe Material:		
Incident No		529122			Fuel Category:	Heating Fuel	
Incident Re					Health Impact:		
Type:	per 10 a 2 a	FS-Pipeline Incident			Environment Impact:		
Status Cod	e:	Pipeline Damage Rea	ason Est	t	Property Damage:		
Tank Status	s:				Service Interrupt:		
Task No:					Enforce Policy:		
Spills Actio	on Centre:	N/A			Public Relation:		
Fuel Type:					Pipeline System:		
Fuel Occur	•				PSIG:		
Date of Oco					Attribute Category:		
Occurrence	e Start Dt:				Regulator Location:		
Depth:					Method Details:		
Customer A							
Incident Ad							
Operation 1 Pipeline Ty							

Pipeline Type: Regulator Type: Summary: Reported By: Affiliation: Occurrence Desc: Damage Reason: Notes:

858 MARCH ROAD, KANATA - 1 1/4" PIPELINE HIT JEFF STILES - ENBRIDGE OTTAWA Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)

Map Key	Numbe Record		Elev/Diff m) (m)	Site		DB
<u>21</u>	1 of 2	E/191.8	75.9 / -3.92	Klondike Developm 870 March Rd and 1 Ottawa ON K2C 0P9	001 Klondike Road	ECA
Approval No Approval Da Status: Record Type Link Source. SWP Area N. Approval Ty, Project Type Business Na Address: Full Address Full PDF Lin	nte: 2: 2: 2: 2: 2: 2: 3: 3:	Municipal Drink Klondike Devel	Drinking Water Syste ting Water Systems opments Inc. and 1001 Klondike Ro			
<u>21</u>	2 of 2	E/191.8	75.9 / -3.92	Klondike Developm 870 March Rd and 1 Ottawa ON K2C 0P9	001 Klondike Road	ECA
Approval No Approval Da Status: Record Type Link Source SWP Area N Approval Ty, Project Type Business Na Address: Full Address Full PDF Lin	nte: 2: 2: ame: pe: 2: 3: ame: 3:	MUNICIPAL AI Klondike Devel 870 March Rd	and 1001 Klondike Ro	GE WORKS	1-79KQRW-14.pdf	
<u>22</u>	1 of 1	W/197.8	79.8 / -0.03	927 MARCH RD lot 3 KANATA ON	3 con 11	WWIS
Well ID: Construction Primary Wat Sec. Water U Final Well St Water Type: Casing Mate Audit No: Tag: Construction Elevation (m Elevation Re Depth to Bed Well Depth: Overburden/ Pump Rate: Static Water Flow Rate: Clear/Cloudy	ter Use: Jse: tatus: erial: n Method: n): eliability: drock: /Bedrock: /Bedrock: J:	1536459 Domestic Water Supply Z46998 A035457		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	7/11/2006 True 1558 3 927 MARCH RD OTTAWA MARCH TOWNSHIP 003 11 CON	

PDF URL (Map):

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536459.pdf

Bore Hole Information

Path:

Bore Hole ID:	11550525	Elevation:	78.208000
DP2BR:	6.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	426376.00
Code OB Desc:	Bedrock	North83:	5023379.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	3
Date Completed:	27-Jun-2006 00:00:00	UTMRC Desc:	margin of error : 10 - 30 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			

153\1536459.pdf

<u>Overburden and Bedrock</u> <u>Materials Interval</u>

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

Formation ID:	933057102
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	79
Mat2 Desc:	PACKED
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	1.9800000190734863
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2:	933057103 2 GREY 15 LIMESTONE 73
Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	HARD 1.9800000190734863 12.1899995803833 m

Overburden and Bedrock

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Materials Inte	erval				
Formation ID Layer: Color: General Colo Mat1: Most Commo Mat2: Mat2 Desc: Mat3:	r:	933057104 3 2 GREY 18 SANDSTONE 73 HARD			
Mat3 Desc: Formation To Formation Er		12.1899995803833 22.23999977111816 m	4		
<u>Method of Co</u> <u>Use</u>	onstruction & Well				
Method Cons	struction Code:	961536459 5 Air Percussion			
<u>Pipe Informa</u>	<u>tion</u>				
Pipe ID: Casing No: Comment: Alt Name:		11560132 1			
Construction	Record - Casing				
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame Casing Diame Casing Depth	eter: eter UOM:	930879943 2 4 OPEN HOLE 9.75 22.2399997711182 cm m			
Construction	Record - Casing				
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame Casing Diame Casing Depth	eter: eter UOM:	930879942 1 STEEL -0.449999988079071 9.75 15.8599996566772 cm m	I		
Results of W	ell Yield Testing				
		11569512 19.80999946594238 3.599999904632568 5.050000190734863 15.22999954223632	4		

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pumping Rat		54.59999847412109)4		
Flowing Rate					
Recommende Levels UOM:	ed Pump Rate:	45.5			
Rate UOM:		m LPM			
	After Test Code:	1			
Water State		CLEAR			
Pumping Tes		1			
Pumping Dui		3			
Pumping Du		30			
Flowing:					
<u>Draw Down &</u>	& Recovery				
Pump Test D	etail ID:	11624174			
Test Type:		Draw Down			
Test Duration	1:	4			
Test Level:		3.849999904632568	34		
Test Level U	OM:	m			
<u>Draw Down 8</u>	Recovery				
Pump Test D	etail ID:	11624516			
Test Type:		Draw Down			
Test Duration	1:	30			
Test Level:	~~~	4.360000133514404	•		
Test Level U	OM:	m			
<u>Draw Down 8</u>	Recovery				
Pump Test D	etail ID:	11624518			
Test Type:		Draw Down			
Test Duration	า:	40			
Test Level:		4.46999979019165			
Test Level U	OM:	m			
<u>Draw Down &</u>	Recovery				
Pump Test D	etail ID:	11624523			
Test Type:		Recovery			
Test Duration	า:	60			
Test Level:		4.079999923706055			
Test Level U	OM:	m			
<u>Draw Down &</u>	Recovery				
Pump Test D	etail ID:	11624169			
Test Type:		Recovery			
Test Duration	1:	1			
Test Level:		4.90000095367432	2		
Test Level U	ОМ:	m			
<u>Draw Down &</u>	& Recovery				
Pump Test D	etail ID:	11624171			
Test Type:		Recovery			
Test Duration	1:	2			
Test Level:		4.849999904632568	5		
Test Level U	~ * *	m			

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	I	DB
Draw Down &	& Recovery					
Pump Test D Test Type: Test Duration Test Level: Test Level U	n:	11624177 Recovery 5 4.75 m				
<u>Draw Down 8</u>	& Recovery					
Pump Test D Test Type: Test Duration Test Level: Test Level U	n:	11624517 Recovery 30 4.309999942779541 m				
<u>Draw Down 8</u>	& Recovery					
Pump Test D Test Type: Test Duration Test Level: Test Level U	n:	11624519 Recovery 40 4.21999979019165 m				
<u>Draw Down 8</u>	& Recovery					
Pump Test D Test Type: Test Duration Test Level: Test Level U	n:	11624522 Draw Down 60 4.659999847412109 m				
Draw Down &	<u>& Recovery</u>					
Pump Test D Test Type: Test Duration Test Level: Test Level U	n:	11624173 Recovery 3 4.820000171661377 m				
Draw Down &	& Recovery					
Pump Test D Test Type: Test Duration Test Level: Test Level U	n:	11624178 Draw Down 10 4.03000020980835 m				
<u>Draw Down 8</u>	& Recovery					
Pump Test D Test Type: Test Duration Test Level: Test Level U	n:	11624515 Recovery 25 4.369999885559082 m				
<u>Draw Down 8</u>	& Recovery					
Pump Test D Test Type:	etail ID:	11624521 Recovery				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Duration Test Level:	n:	50 4.150000095367432			
Test Level U	ОМ:	m			
Draw Down &	& Recovery				
Pump Test D	etail ID:	11624170			
Test Type:		Draw Down			
Test Duration	n:	2 3.809999942779541			
Test Level: Test Level U	ОМ:	m			
Draw Down &	& Recovery				
Pump Test D	etail ID:	11624172			
Test Type:		Draw Down			
Test Duration	n:	3			
Test Level:		3.809999942779541			
Test Level U	OM:	m			
Draw Down &	<u>& Recovery</u>				
Pump Test D	etail ID:	11624168			
Test Type:		Draw Down			
Test Duration	n:	1	-		
Test Level: Test Level U	0.14	3.730000019073486 m	3		
Test Level O	0 <i>m.</i>				
Draw Down &	& Recovery				
Pump Test D	etail ID:	11624181			
Test Type:		Recovery			
Test Duration Test Level:	n:	15 4.519999980926514			
Test Level U	ОМ:	m			
Draw Down &	<u>& Recovery</u>				
Pump Test D	etail ID:	11624520			
Test Type:		Draw Down			
Test Duration	n:	50			
Test Level: Test Level U	014	4.570000171661377			
Test Level U	UW:	m			
Draw Down &	& Recovery				
Pump Test D	etail ID:	11624175			
Test Type:		Recovery			
Test Duration Test Level:	า:	4 4.78000020980835			
Test Level: Test Level U	ОМ:	4.78000020980835 m			
<u>Draw Down 8</u>	& Recovery				
Pump Test D	etail ID:	11624176			
Test Type:		Draw Down			

Test Type: Test Duration: Test Level: Test Level UOM:

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3.869999885559082

5

m

Site

Draw Down & Recovery

Pump Test Detail ID:	11624179
Test Type:	Recovery
Test Duration:	10
Test Level:	4.610000133514404
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11624180
Test Type:	Draw Down
Test Duration:	15
Test Level:	4.130000114440918
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11624512
Test Type:	Draw Down
Test Duration:	20
Test Level:	4.21999979019165
Test Level UOM:	m

Draw Down & Recovery

1624513
Recovery
0
.449999809265137
า

Draw Down & Recovery

Pump Test Detail ID:	11624514
Test Type:	Draw Down
Test Duration:	25
Test Level:	4.300000190734863
Test Level UOM:	m

Water Details

Water ID:	934077245
Layer:	3
Kind Code:	
Kind:	
Water Found Depth:	21.940000534057617
Water Found Depth UOM:	m

Water Details

Water ID:	934077247
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	14.020000457763672
Water Found Depth UOM:	m

Water Details

Kind Code: Water Found Depth: 19.80999465942383 Water Found Depth: 0001: m Hole Diameter: 115.85000190734863 Depth From: 9.75 Depth From: 9.75 Hole Diameter UOM: cn Hole Diameter UOM: cn Hole Diameter: 22.75 Depth From: 0.0 Depth From: 0.75 Depth From: 0.75 Depth From: 0.75 Depth From: 0.0 Depth Depth: 0.0 Depth From: 0.0 Depth From: 0.0 Depth Depth: 0.0 Dep	Map Key	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DE
Sind Code: Sind: Water Found Depth: 19.809999465942383 Water Found Depth: m Hole Diameter 11661233 Diameter: 15.550000190734863 Depth From: 9.75 Depth From: 22.23999771118164 Hole Diameter 22.23999771118164 Hole Diameter 0.0 Shameter: 22.75 Depth Tom: 0.373 Hole Diameter 0.0 Shameter:	Nater ID:			934077246				
Water Found Depth: 19.8099465642383 Water Found Depth: In Hole Diameter Its81233 Jonemeter 15.55000190734863 Properties 22.33999771118164 Hole Diameter 22.33999771118164 Hole Diameter 22.33999771118164 Hole Depth UOM: cm Hole Diameter 22.75 Dappt Prof. 20.0 Strengt Prom 0.0 Strengt Prom 0.0 </td <td>Layer: Kind Code:</td> <td></td> <td></td> <td>2</td> <td></td> <td></td> <td></td> <td></td>	Layer: Kind Code:			2				
Alter Found Deignt UOM: m Hole Diameter 11581233 Hole Diameter 9.75 Hole Diameter 9.75 Poptin From: 9.75 Hole Diameter 9.75 Hole Diameter 0.75 Hole Diameter 0.75 Hole Diameter 22.23999971118164 Hole Diameter 0.75 Hole Diameter 27.75 Hole Diameter 9.75 Hole Diameter 9.75 Hole Diameter 9.75 Hole Diameter 9.75 Hole Diameter UOM: m Hole Diameter UOM: m Will D: 1538624 Donsteir: Data Entry Status: Port From: Solected Flag: Timal Will Status: Abandomed-Other Solected Flag: Tuue Hole Diameter Uow Water Type: Solected Flag: Tuue Satis Meterial: Contractor: 1558 Satis Meterial: Concression Name: CON		Domtha		10 0000046504000	22			
New Weil ID: 11881233 Deameter: 375 Depth From: 22,39999771118164 Hole Depth UOM: an Hole Deameter UOM: an Hole Diameter USM: an Ho			И:		53			
Demoter: 15.550000190734853 Depth Froi: 22.239993771118164 Hole Depth UOM: 0 To 22.239993771118164 Hole Diameter UOM: 0 To 22.75 Depth Froi: 22.75 Depth Froi: 22.75 Depth Froi: 27.75 Depth Froi: 9.76 Hole Depth UOM: 0 To 9.75 Hole Depth UOM: 0 21 of 2 WNW/210.4 79.9 / 0.05 941 MARCH RD lot 11 con 4 KANATA ON Well ID: 1536624 Date Entry Status: Construction Date: 24.70 Betwee Use: Date Entry Status: 24.70 Betwee Use: Date Entry Status: 24.70 Betwee Use: 34.70 Betwee Use:	Hole Diamete	<u>er</u>						
Depth From: 9,75 Depth Tron: 22.23999771118164 Hole Depth UOM: cm Hole Diameter UOM: cm Hole Diameter 22.75 Depth From: 0.0 Depth Tron:	Hole ID:				` `			
Depth Fo: 22.39999771118164 Hole Diameter UOM: m Hole Diameter UOM: cm Hole Diameter UOM: cm Hole Diameter: 22.75 Depth From: 0.0 Depth From: 9.75 Hole Diameter UOM: cm ************************************					15			
Hole Depth UDM: m Hole Diameter UDM: 22.75 Depth To: 11681232 Depth To: 22.75 Depth To: 22.75 Depth To: 0.0 Depth To: 9.75 Hole Depth UDM: m tole Diameter Diameter UDM: m tole Diameter Diameter UDM: m tole Diameter Diam					64			
Vale Diameter Vale Diameter Vale Diameter 22,75 Depth From: 0,0 Paper From: 0,10 Paper From: 0,75 Hole Diameter UOM: m 23 1 of 2 WNW/210.4 79,9 / 0.05 941 MARCH RD lot 11 con 4 WW Well Di: 1536624 Date Entry Status: Date Src: True Primary Water Use: Date Received: 8/25/2006 Sec. Water Use: Date Received: S/25/2006 Sec. Water Use: Date Received: S/25/2006 Sec. Water Use: Date Src: True Final Well Status: Abandonned-Other Abandonment Rec: Yes Yes Construction Date: Contractor: 1558 Sec. Water Type: Outry: Outry: Construction Method: Contractor: 1558 Sec. Water Type: Outry: Outry: Street Name: Street Name: 941 MARCH RD Sec. Water Water Water March ToWNSHIP Street Name: Sec. Water Journal (March RD) Sec. Water Journal (IOM:						
Note ID: 11681232 Diameter: 22,75 Dopth For: 2,75 Diameter: 22,75 Diameter: 20,05 Diaph For: 9,75 tole Daph For: 9,75 tole Dapeter UOM: m 23 1 of 2 WNW210.4 79.9 / 0.05 941 MARCH RD lot 11 con 4 WW WW ID: 1536624 Data Entry Status: Data Src: Yular Use: Data Src: 8/25/2006 Sec. Water Use: Data Received: 8/25/2006 Sec. Water Use: Selected Flag: True Final Well Status: Abandonned-Other Abandonmer Rec: Yes Sec. Water Use: Selected Flag: True Sec. Water Sec. Vol. Sec. Sec. Vol. S	Hole Diamete	er UOM:		cm				
Diemeter:: 22,75 Depth From: 0.0 Pepth From: 0.0 9.75 tole Depth UOM: m tole Diameter UOM: m 23 1 of 2 WNW/210.4 79.9 / 0.05 941 MARCH RD lot 11 con 4 WNW/210.4 79.9 / 0.05 941 MARCH RD lot 11 con 4 WNW/210.4 79.9 / 0.05 941 MARCH RD lot 11 con 4 WNW/210.4 79.9 / 0.05 941 MARCH RD lot 11 con 4 WNW/210.4 79.9 / 0.05 941 MARCH RD lot 11 con 4 WNW/210.4 79.9 / 0.05 941 MARCH RD lot 11 con 4 WNW/210.4 79.9 / 0.05 941 MARCH RD lot 11 con 4 WNW/210.4 79.9 / 0.05 941 MARCH RD lot 11 con 4 WNW/210.4 79.9 / 0.05 941 MARCH RD lot 11 con 4 WNW/210.4 79.9 / 0.05 941 MARCH RD lot 11 con 4 WNW/210.4 79.9 / 0.05 941 MARCH RD lot 11 con 4 WNW/210.4 79.9 / 0.05 941 MARCH RD lot 11 con 4 WNW/210.4 70.2 Selected Flag: True Final Well Status: Abandoned-Other Abandonment Rec: Yes Weller Type: Contractor: 1558 Casing Material: Water Type: Contractor: 1558 Casing Material: Water Wersion: 3 WNW/210.4 WINSHIP Elevation (m): Elevation (m):	Hole Diamete	<u>er</u>						
Depth From: 0.0 Depth Torm: 0.0 Note Depth UOM: 9.75 Note Depth UOM: m 23 1 of 2 WNW210.4 79.9 / 0.05 941 MARCH RD lot 11 con 4 WW 23 1 of 2 WNW210.4 79.9 / 0.05 941 MARCH RD lot 11 con 4 WW 23 1 of 2 WNW210.4 79.9 / 0.05 941 MARCH RD lot 11 con 4 WW Well ID: 1536624 Data Entry Status: Sonstruction Date: Status: 8/25/2006 Sce. Water Use: Data Brite: Data Received: 8/25/2006 Status: Status: Abandoned-Other Abandonent Rec: Yes Sce. Water Use: Abandoned-Other Abandonent Rec: Yes Yes Yes Contractor: 1 558 Contractor: 1 558 Yes Casing Material: Form Version: 3 Yes Yes Construction Method: Contractor: 011 Yes Yes Evation Reliability: Municipality: MARCH TOWNSHIP Yes Static Water Level: Concession: 04 Yes	Hole ID: Diamotor:							
Depth To: 9.75 Hole Depth UOM: m Hole Depth UOM: m 23 1 of 2 WNW210.4 79.9 / 0.05 941 MARCH RD lot 11 con 4 KANATA ON WW 23 1 of 2 WNW210.4 79.9 / 0.05 941 MARCH RD lot 11 con 4 KANATA ON WW 24 1 D: 1536624 Data Entry Status: Construction Date: Data Entry Status: Construction Date: Data Src: Primary Water Use: Sec. Water Use: Selected Flag: True Final Well Status: Abandoned-Other Abandonment Rec: Yes Contractor: 1558 Casing Material: Water Type: Contractor: 0158 Casing Material: Strue: 941 MARCH RD Construction Method: Status: Site Info: Elevation (m): Strue Final Well Status: Abandoned-Other County: OTTAWA Elevation (m): Strue Final Well Status: Data Received: 04 Depth to Bedrock: Lot: 011 Well Depth: Concession Name: CON Pump Fate: Elevation Reliability: Zone: Statu Water Level: Northing NAD83: Statu Water Level: Status Sta								
Hole Depth UDM: m 1 1 of 2 WNW210.4 79.9 / 0.05 941 MARCH RD lot 11 con 4 WW 23 1 of 2 WNW210.4 79.9 / 0.05 941 MARCH RD lot 11 con 4 WW 23 1 of 2 WNW210.4 79.9 / 0.05 941 MARCH RD lot 11 con 4 WW Well ID: 1536624 Data Src: Data Src: WW Scnstruction Date: Data Src: Selected Flag: True Primary Water Use: Data Src: Selected Flag: True Sc. Water Use: Contractor: 1558 Selected Flag: True Sc. Water Use: Contractor: 11 MARCH RD Selected Flag: True Sc. Water Use: Contractor: 15 March RD Selected Flag: True Sc. Water Use: Contractor: 01 March RD Selected flag: True Seventor Reliability: Stite Info: Unit Selector Onecession: 04 Stele Mater Level: Concession Name: CON Northing MAD83: Selected Flag: True Stele Water Level: Northing MAD83: Concession Name: CON								
Hale Diameter UOM: cm 23 1 of 2 WNW210.4 79.9 / 0.05 941 MARCH RD lot 11 con 4 KANATA ON Well ID: 1 536624 Data Src: Primary Water Use: Sec. Wa		IOM:						
KANATA ON WW Well ID: 1536624 Data Entry Status: Construction Date: Data Src: Primary Water Use: Data Src: Final Well Status: Abandoned-Other Abandonment Rec: Yes Water Type: Contractor: 1558 Zasing Material: Form Version: 3 Audit No: Z47023 Owner: Tag: Street Name: 941 Construction Method: Country: OTTAWA Construction Reliability: MarcH TOWNSHIP Elevation (m): Lot: 011 Elevation Reliability: MarcH TOWNSHIP Elevation Reliability: Ornecession Name: CON Durerburden/Bedrock: Concession Name: CON Pump Rate: Easting NADB3: CON Static Water Level: Northing NAB83: CON Flowing (Y/N): Zone: Con: Clear/Cloudy: PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536624.pdf Medi Completed Date: 2006/07/20 Yeart: 153\1536624.pdf	Hole Diamete	er UOM:		cm				
Construction Date: Data Src:: Primary Water Use: Date Received:: 8/25/2006 Sec. Water Use: Selected Flag: True Final Well Status: Abandoned-Other Abandonment Rec:: Yes Water Type: Contractor: 1558 Cassing Material: Form Version: 3 Audit No: Z47023 Owner: Tag: Country: OTTAWA Construction Method: County: OTTAWA Elevation (m): Municipality: MARCH TOWNSHIP Elevation (m): Lot: 011 Deepth to Bedrock: Lot: 011 Verburden/Bedrock: Concession: 04 Downer Water: Concession: 04 Pump Rate: Easting NADB3: Eowation RibiNity: Static Water Level: Northing NADB3: Eowation RibiNity: Flow Rate: UTM Reliability: Cone PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536624.pdf Additional Detail(s) (Map) Municipality: Yes Completed Date: Vend Completed Date: 2006	<u>23</u>	1 of 2		WNW/210.4	79.9 / 0.05		1 con 4	wwis
Primary Water Use: Date Received: 8/25/2006 Sec. Water Use: True Final Well Status: Abandoned-Other Abandonment Rec: Yes Water Type: Contractor: 1558 Casing Material: Form Version: 3 Water Type: Owner: 941 MARCH RD Construction Method: Z47023 Owner: Fag: County: 011 MARCH RD Construction Method: Site info: 011 Elevation (m): Concession: 04 Elevation Reliability: Concession: 04 Dorebrit: Zone: Concession: Flowing (Y/N): Zone: Concession: 04 Static Water Level: Northing NAD83: Static Water Level: Northing NAD83: Flowing (Y/N): Static Stati	Well ID:	Data	1536624	L				
Final Well Status:Abandoned-OtherAbandonment Rec:YesWater Type:Contractor:1558Cassing Material:Form Version:3Audit No:Z47023Owner:941 MARCH RDConstruction Method:Street Name:941 MARCH RDConstruction Method:County:OTTAWAElevation (m):Municipality:MARCH TOWNSHIPElevation Reliability:Site Info:Depth to Bedrock:Lot:011Well Depth:Concession Name:CONPump Rate:Easting NAD83:CONStatuc Water Level:Northing NAD83:CONFlow Rate:UTM Reliability:Cone:POF URL (Map):https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536624.pdfAdditional Detail(s) (Map)45.3606326888647Mell Completed Date:2006Depth (m):Languide:45.3606326888647Longitude:-75.938708171799Path:153\1536624.pdf	Primary Wate	er Use:				Date Received:		
Water Type:Contractor:1558Casing Material:Form Version:3Audit No:Z47023Owner:Tag:Street Name:941 MARCH RDConstruction Method:County:OTTAWAElevation (m):Kunicipality:WARCH TOWNSHIPElevation Reliability:Site Info:011Well Depth:Concession:04Overburden/Bedrock:Concession Name:CONPump Rate:Sasting NAD83:Stating NAD83:Static Water Level:Northing NAD83:Stating NAD83:Flowing (Y/N):Zone:UTM Reliability:Clear/Cloudy:DP URL (Map):https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153/1536624.pdfWell Completed Date:20062006Depth (m):45.36063268886475.3606326888647Longliude:-75.9398708171799-75.9398708171799Path:153/1536624.pdf5.31536624.pdf			Abandar	ad Other				
Casing Material: Form Version:: 3 Audit No: Z47023 Owmer: Fag: Street Name: 941 MARCH RD Construction Method: County: OTTAWA Elevation (m): Municipality: MARCH TOWNSHIP Elevation Reliability: Site Info: 0 Depth to Bedrock: Lot: 011 Well Depth: Concession Name: CON Owerburden/Bedrock: Northing NAD83: CON Static Water Level: Northing NAD83: Static Water Level: Flow rate: UTIM Reliability: CON Flowing (Y/N): Zone: Town: Town: Flow Rate: UTIM Reliability: Concession Name: CON PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536624.pdf Additional Detail(s) (Map) 2006/07/20 Vera Completed Date: 2006/07/20 Year Completed: 2006 2006 June: June: Depth (m): Latitude: 45.3606326888647 June: June: Longitude: -75.9398708171799 -75.9398708171799 J		atus:	Abanuoi	ieu-Other				
Audit No: Z47023 Owner: Fag: Street Name: 941 MARCH RD Construction Method: County: OTTAWA Elevation (m): Municipality: MARCH TOWNSHIP Elevation Reliability: Site Info: 011 Depth to Bedrock: Lot: 011 Well Depth: Concession: 04 Dverburden/Bedrock: Concession Name: CON Pump Rate: Steing NAD83: Static Water Level: Flowing (Y/N): Zone: Concession Name: Flow Rate: UTM Reliability: Concession Sion Signe: PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536624.pdf Additional Detail(s) (Map) Musicipality: Site Signe: Well Completed Date: 2006/07/20 Year Completed: 2006 Pept (m): Latitude: 45.3606326888647 Longitude: -75.9398708171799 Path: 153\1536624.pdf Site Site Site Site Site Site Site Site		rial:						
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Elevation (m): Municipality: MARCH TOWNSHIP Elevation Reliability: Site Info: Depth to Bedrock: Lot: 011 Well Depth: Concession: 04 Dverburden/Bedrock: Easting NAD83: CON Pump Rate: Easting NAD83: Static Water Level: Flowing (Y/N): Zone: Concession Name: CON Flow Rate: UTM Reliability: Concestion Name: CON Flow Rate: UTM Reliability: Concestion Name: CON Flow Rate: UTM Reliability: Concestion Name: CON PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536624.pdf Additional Detail(s) (Map) Well Completed Date: 2006/07/20 Vera Completed: 2006 Popt (m): attude: 45.3606326888647 Statics	Tag:					Street Name:	941 MARCH RD	
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Well Depth: Concession: 04 Overburden/Bedrock: Concession Name: CON Pump Rate: Easting NAD83: Satic Water Level: Northing NAD83: Northing NAD83: Flowing (Y/N): Zone: Flow Rate: UTM Reliability: Clear/Cloudy: UTM Reliability: PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536624.pdf Well Completed Date: 2006/07/20 Year Completed: 2006 Depth (m): Latitude: 45.3606326888647 Longitude: -75.9398708171799 Path: 153\1536624.pdf							011	
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Pump Rate: Easting NAD83: Static Water Level: Northing NAD83: Flowing (Y/N): Zone: Flow Rate: UTM Reliability: Clear/Cloudy: DTF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536624.pdf Additional Detail(s) (Map) Well Completed Date: 2006/07/20 Year Completed: 2006 Depth (m): Latitude: Latitude: 45.3606326888647 Longitude: -75.9398708171799 Path: 153\1536624.pdf		Redrock [.]						
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Flow Rate: UTM Reliability: Clear/Cloudy: https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536624.pdf Additional Detail(s) (Map) https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536624.pdf Well Completed Date: 2006/07/20 Year Completed: 2006 Depth (m): 45.3606326888647 Longitude: -75.9398708171799 Path: 153\1536624.pdf		Level:						
Clear/Cloudy:	Flowing (Y/N							
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Year Completed: 2006 Depth (m):	Additional De	etail(s) (Maj	<u>o)</u>					
Year Completed: 2006 Depth (m): 45.3606326888647 Latitude: 45.3606326888647 Longitude: -75.9398708171799 Path: 153\1536624.pdf	Well Comple	ted Date:		2006/07/20				
Latitude: 45.3606326888647 Longitude: -75.9398708171799 Path: 153\1536624.pdf	Year Comple			2006				
Longitude: -75.9398708171799 Path: 153\1536624.pdf	Depth (m):							
Path: 153\1536624.pdf								
	•							
Bore Hole Information	rain:			153\1530624.Pdf				
	Bore Hole Int	formation						

Мар Кеу	Number o Records	of	Direction/ Distance (m)	Elev/Diff (m)	Site		D
Bore Hole ID: DP2BR: Spatial Status:		11550690			Elevation: Elevrc: Zono:	79.611900 18	
Code OB:					Zone: East83:	426390.00	
Code OB. Code OB Desc	:	_ No format	tion data		North83:	5023443.00	
Open Hole:					Org CS:	UTM83	
Cluster Kind:					UTMRC:	3	
Date Complete Remarks:				UTMRC Desc: Location Method:	margin of error : 10 - 30 m wwr		
Elevrc Desc: Location Sourc	no Dato:						
Improvement L Improvement L Source Revisio Supplier Comn	ocation So. ocation Me. on Commei	ethod:					
<u>Method of Con</u> Use	struction &	& Well					
Method Constr Method Constr Method Constr Other Method (ruction Coo ruction:	de:	961536624				
Pipe Informatio	<u>on</u>						
Pipe ID: Casing No: Comment: Alt Name:			11560297 1				
<u>23</u> 2	2 of 2		WNW/210.4	79.9 / 0.05	941 MARCH RD lot 1 KANATA ON	1 con 4	wwi
Well ID: Construction D		1536625			Data Entry Status: Data Src:		
Primary Water		Domestic			Date Received:	8/25/2006	
Sec. Water Use					Selected Flag:	True	
Final Well State	us:	Water Sup	pply		Abandonment Rec:		
Water Type:					Contractor:	1558	
Casing Materia		747004			Form Version:	3	
Audit No:		Z47021 A041907			Owner:	941 MARCH RD	
Tag: Construction N		A041907			Street Name: County:	OTTAWA	
Elevation (m):	letiou.				Municipality:	MARCH TOWNSHIP	
Elevation Relia	bility:				Site Info:		
Depth to Bedro	ock:				Lot:	011	
Well Depth:					Concession:	04	
Overburden/Be	edrock:				Concession Name:	CON	
Pump Rate: Static Water Le	woli				Easting NAD83:		
Static Water Le Flowing (Y/N):	evel.				Northing NAD83: Zone:		
Flow Rate: Clear/Cloudy:					UTM Reliability:		
PDF URL (Map):		https://d2khazk8e83	3rdv.cloudfront.ne	et/moe_mapping/downloads	/2Water/Wells_pdfs/153\1536625.pd	lf
	ail(s) (Map))					
Additional Deta							

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Depth (m): Latitude: Longitude: Path:		22.24 45.3606326888647 -75.9398708171799 153\1536625.pdf				
Bore Hole Info	ormation					
Bore Hole ID: DP2BR: Spatial Status: Code OB:	r			Elevation: Elevrc: Zone: East83:	79.611900 18 426390.00	
Code OB Desc Open Hole: Cluster Kind: Date Complete Remarks:		k 2006 00:00:00		North83: Org CS: UTMRC: UTMRC Desc: Location Method:	5023443.00 UTM83 3 margin of error : 10 - 30 m wwr	
Elevrc Desc: Location Sour Improvement	Location Source: Location Method: on Comment:			Location Method:	wwi	
<u>Overburden ar</u> Materials Inter						
Formation ID: Layer: Color: General Color.	:	933067349 1 6 BROWN				
Mat1: Most Common Mat2: Mat2 Desc:	n Material:	05 CLAY				
<i>Mat3: Mat3 Desc: Formation Top Formation End Formation End</i>	d Depth:	0.0 2.740000009536743 m				
<u>Overburden an</u> Materials Inter						
Formation ID: Layer: Color: General Color. Mat1: Most Commor. Mat2: Mat2 Desc: Mat3:		933067350 2 GREY 15 LIMESTONE				
Mat3 Desc: Formation Top Formation End Formation End	d Depth:	2.74000009536743 11.57999992370605 m				
<u>Overburden ar</u> Materials Inter						
Formation ID: Layer:		933067351 3				

Map Key	Number of Records	Direction/ Elev/Diff Site Distance (m) (m)	DE
Color: General Colo	r:	2 GREY	
Mat1:		18	
Most Commo	n Material:	SANDSTONE	
<i>Mat2:</i> Mat2 Desc:			
Mat2 Desc. Mat3:			
Mat3 Desc:			
Formation To Formation En		11.579999923706055 22.239999771118164	
	d Depth UOM:	m	
<u>Method of Co</u> <u>Use</u>	nstruction & Well		
Method Cons	truction ID:	961536625	
	truction Code:	4	
Method Cons Other Method	truction: l Construction:	Rotary (Air)	
Pipe Informat	tion		
Pipe ID:		11560298	
Casing No:		1	
Comment: Alt Name:			
Construction	Record - Casing		
Casing ID:		930885343	
Layer:		2	
Material:			
Open Hole or Depth From:	wateriai:	OPEN HOLE 6.40000009536743	
Depth To:		22.2399997711182	
Casing Diam			
Casing Diam Casing Depth		cm m	
Construction	Record - Casing		
Casing ID:		930885342	
Layer:		1	
Material: Open Hole or	Material	1 STEEL	
Depth From:		-0.449999988079071	
Depth To:		6.4000009536743	
Casing Diam Casing Diam		15.8599996566772	
Casing Diam Casing Depth		cm m	
Results of We	ell Yield Testing		
Pump Test ID		11569622	
Pump Set At:		18.280000686645508	
Static Level: Final Level A	fter Pumping:	7.010000228881836	
	ed Pump Depth:	15.229999542236328	
Pumping Rat	e:	50.04999923706055	
Flowing Rate	ed Pump Rate:	45.5	

Map Key Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Rate UOM: Water State After Test Code: Water State After Test: Pumping Test Method: Pumping Duration HR: Pumping Duration MIN: Flowing:	LPM 1 CLEAR 1 0			
Draw Down & Recovery				
Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM:	11669561 Draw Down 1 5.829999923706055 m			
Draw Down & Recovery				
Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM:	11669564 Recovery 2 5.409999847412109 m			
Draw Down & Recovery				
Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM:	11669565 Draw Down 3 6.210000038146973 m			
Draw Down & Recovery				
Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM:	11669578 Recovery 25 5.119999885559082 m			
Draw Down & Recovery				
Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM:	11669579 Draw Down 30 6.789999961853027 m			
<u>Draw Down & Recovery</u>				
Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM:	11669583 Draw Down 50 6.940000057220459 m			
<u>Draw Down & Recovery</u>				

Pump Test Detail ID: Test Type: 11669585 Draw Down

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Duration	ו:	60			
Test Level:		7.010000228881836			
Test Level U	ОМ:	m			
<u>Draw Down &</u>	<u>Recovery</u>				
Pump Test D	etail ID:	11669562			
Test Type:		Recovery			
Test Duration	1:	1			
Test Level:	~~~	5.46000038146973			
Test Level U	OM:	m			
<u>Draw Down &</u>	<u>Recovery</u>				
Pump Test D	etail ID:	11669575			
Test Type:		Draw Down			
Test Duration	1:	20			
Test Level:	~~~	6.69000057220459			
Test Level U	OM:	m			
<u>Draw Down 8</u>	<u>Recovery</u>				
Pump Test D	etail ID:	11669569			
Test Type:		Draw Down			
Test Duration	ו:	5			
Test Level:		6.349999904632568			
Test Level U	ОМ:	m			
<u>Draw Down &</u>	<u>Recovery</u>				
Pump Test D	etail ID:	11669573			
Test Type:		Draw Down			
Test Duration	1:	15			
Test Level:		6.619999885559082			
Test Level U	OM:	m			
<u>Draw Down &</u>	<u>Recovery</u>				
Pump Test D	etail ID:	11669567			
Test Type:		Draw Down			
Test Duration	า:	4			
Test Level:	~~~	6.300000190734863			
Test Level U	OM:	m			
<u>Draw Down &</u>	<u>Recovery</u>				
Pump Test D	etail ID:	11669570			
Test Type:		Recovery			
Test Duration	า:	5			
Test Level:	014	5.340000152587891			
Test Level U		m			
<u>Draw Down &</u>	& Recovery				
Pump Test D	etail ID:	11669571			
Test Type:		Draw Down			
Test Duration	า:	10			
Test Level:		6.5			
Test Level U	OM:	m			

Site

Draw Down & Recovery

Pump Test Detail ID:	11669574
Test Type:	Recovery
Test Duration:	15
Test Level:	5.159999847412109
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11669580
Test Type:	Recovery
Test Duration:	30
Test Level:	5.099999904632568
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11669586
Test Type:	Recovery
Test Duration:	60
Test Level:	5.019999980926514
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11669572
Test Type:	Recovery
Test Duration:	10
Test Level:	5.230000019073486
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11669577
Test Type:	Draw Down
Test Duration:	25
Test Level:	6.760000228881836
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11669563
Test Type:	Draw Down
Test Duration:	2
Test Level:	6.079999923706055
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11669568
Test Type:	Recovery
Test Duration:	4
Test Level:	5.360000133514404
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	
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11669576

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Type:		Recovery			
Test Duration	n:	20			
Test Level:		5.139999866485596			
Test Level U	OM:	m			
Draw Down &	& Recovery				
Pump Test D	etail ID:	11669582			
Test Type:		Recovery			
Test Duration	n:	40			
Test Level:		5.070000171661377			
Test Level U	ОМ:	m			
Draw Down &	& Recovery				
Pump Test D	etail ID:	11669584			
Test Type:	_	Recovery			
Test Duration	n:	50			
Test Level: Test Level U	<u></u>	5.039999961853027			
Test Level U		m			
Draw Down &	& Recovery				
Pump Test D	etail ID:	11669566			
Test Type:		Recovery			
Test Duration	n:	3 5.389999866485596			
Test Level: Test Level U	014				
Test Level 00	UW:	m			
Draw Down &	& Recovery				
Pump Test D	etail ID:	11669581			
Test Type:		Draw Down			
Test Duration	n:	40			
Test Level:		6.880000114440918			
Test Level U	OM:	m			
Water Details	5				
Water ID:		934079370			
Layer:		1			
Kind Code:					
Kind:		00 74000004005440	.		
Water Found Water Found	Depth: Depth UOM:	20.719999313354492 m	2		
Hole Diamete	-				
	<u>51</u>				
Hole ID:		11681419			
Diameter:		22.75			
Depth From:		0.0			
Depth To:		6.40000095367432			
Hole Depth U Hole Diamete		m			
		cm			
Hole Diamete	er				

Hole ID: Diameter: Depth From: 11681418 15.229999542236328 6.400000095367432

Map Key	Numbe Record		Direction/ Distance (m)	Elev/Diff (m)	Site		DI
Depth To:			22.2399997711181	64			
Hole Depth U			m				
Hole Diamete	er UOM:		cm				
24	1 of 1		WSW/210.9	81.9/2.05			BOR
_					ON		BOR
Borehole ID:		609824			Inclin FLG:	No	
OGF ID:		21551143	39		SP Status:	Initial Entry	
Status:					Surv Elev:	No	
Туре:		Borehole			Piezometer:	No	
Use:	_				Primary Name:		
Completion L					Municipality:		
Static Water		1.2			Lot:		
Primary Wate					Township:	15 050 100	
Sec. Water U		000			Latitude DD:	45.358466	
Total Depth n	n:	-999 Ground S	urface		Longitude DD:	-75.9397	
Depth Ref:		Ground S	unace		UTM Zone:	18	
Depth Elev:					Easting:	426401 5023202	
Drill Method: Orig Ground		80 8			Northing:	0020202	
Orig Ground Elev Reliabil		80.8			Location Accuracy:	Not Applicable	
Elev Reliabil DEM Ground		80			Accuracy:	Not Applicable	
Concession:		80					
Location D:							
Survey D:							
Comments:							
Geology Stra	••	21838417	78		Mat Consistency:		
Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3:	ntum ID: h:		78		Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period:		
Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 3:	ntum ID: h: pr:	21838417 0 3.4 Clay	78		Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group:		
Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 4: Gsc Material	ntum ID: h: pr: Descriptio	21838417 0 3.4 Clay	'8 CLAY.		Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period:		
Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 3: Gsc Material Stratum Desc Geology Stra	ntum ID: h: pr: Descriptio cription:	21838417 0 3.4 Clay m: 21838417	CLAY.		Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency:		
Borehole Gee Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 3: Material 4: Gsc Material Stratum Desc Geology Stra Top Depth: Bottom Depth	ntum ID: h: pr: Descriptio cription: ntum ID:	21838417 0 3.4 Clay on:	CLAY.		Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture:		
Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 3: Gsc Material Stratum Dest Geology Stra Top Depth: Bottom Depth	ntum ID: h: pr: Descriptio cription: ntum ID: h:	21838417 0 3.4 Clay on: 21838417 3.4	CLAY.		Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Material Texture:		
Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 3: Gsc Material Stratum Dest Geology Stra Geology Stra Top Depth: Bottom Depth Material Colo	ntum ID: h: pr: Descriptio cription: ntum ID: h:	21838417 0 3.4 Clay on: 21838417 3.4 Black	CLAY.		Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type:		
Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 3: Gsc Material Stratum Dest Geology Stra Geology Stra Geology Stra Top Depth: Bottom Depth Material Colo Material 1:	ntum ID: h: pr: Descriptio cription: ntum ID: h:	21838417 0 3.4 Clay on: 21838417 3.4	CLAY.		Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation:		
Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 2: Material 3: Material 4: Gsc Material Stratum Dest Geology Stra Geology Stra Geology Stra Top Depth: Bottom Depth Material Colo Material 1:	ntum ID: h: pr: Descriptio cription: ntum ID: h:	21838417 0 3.4 Clay on: 21838417 3.4 Black Bedrock	CLAY.		Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group:		
Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 3: Gsc Material Stratum Deso Geology Stra	ntum ID: h: pr: Descriptio cription: ntum ID: h:	21838417 0 3.4 Clay on: 21838417 3.4 Black Bedrock	CLAY.		Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period:		
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Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 3: Gsc Material 4: Gsc Material 4: Gsctom Depth Material Colo Material 1: Material 2: Material 3: Material 3: Material 4: Gsc Material Stratum Desc	ntum ID: h: pr: Descriptio cription: ntum ID: h: pr: Descriptio	21838417 0 3.4 Clay 21838417 3.4 Black Bedrock Granite	CLAY. 79	re. Water Sta	Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	CITY = 14600. FEET.BLACK. LIMESTO	NE.
Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 4: Gsc Material Stratum Dest Geology Stra Top Depth: Bottom Depth Material Colo Material 2: Material 3: Material 3: Material 4: Gsc Material Stratum Dest Source Type:	ntum ID: h: pr: Descriptio cription: ntum ID: h: pr: Descriptio cription:	21838417 0 3.4 Clay m: 21838417 3.4 Black Bedrock Granite m: Data Surv	CLAY. '9 BEDROCK,GRANI ⁻ /ey	re. water sta	Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Material Moisture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Group: Geologic Period: Depositional Gen: BLE AT 261.0 FEET. VELO Source Appl:	CITY = 14600. FEET.BLACK. LIMESTO Spatial/Tabular	NE.
Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 4: Gsc Material Stratum Dest Material Colo Material 2: Material 2: Material 3: Material 3: Material 4: Gsc Material Stratum Dest Source Type: Source Type:	ntum ID: h: pr: Descriptio cription: ntum ID: h: pr: Descriptio cription:	21838417 0 3.4 Clay m: 21838417 3.4 Black Bedrock Granite m: Data Sun Geologica	CLAY. '9 BEDROCK,GRANI ^T rey al Survey of Canada	re. water sta	Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Group: Geologic Period: Depositional Gen: BLE AT 261.0 FEET. VELO Source Appl: Source Iden:	Spatial/Tabular 1	NE.
Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 4: Gsc Material Stratum Desth Material Colo Material 2: Material 2: Material 3: Material 3: Material 3: Material 4: Gsc Material Stratum Desto Source Type: Source Orig: Source Date:	ntum ID: h: pr: Descriptio cription: ntum ID: h: pr: Descriptio cription:	21838417 0 3.4 Clay on: 21838417 3.4 Black Bedrock Granite on: Data Sun Geologica 1956-197	CLAY. '9 BEDROCK,GRANI ^T rey al Survey of Canada	re. water sta	Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Group: Geologic Period: Depositional Gen: BLE AT 261.0 FEET. VELO Source Appl: Source Iden: Scale or Res:	Spatial/Tabular 1 Varies	NE.
Geology Stra Top Depth: Bottom Depth Material Colo Material 2: Material 2: Material 3: Material 4: Gsc Material Stratum Desth Material Colo Material 2: Material 2: Material 3: Material 3: Material 3: Material 4: Gsc Material Stratum Desc Source Source Type: Source Date: Confidence:	ntum ID: h: pr: Descriptio cription: ntum ID: h: pr: Descriptio cription:	21838417 0 3.4 Clay m: 21838417 3.4 Black Bedrock Granite m: Data Sun Geologica	CLAY. '9 BEDROCK,GRANI ^T rey al Survey of Canada	re. water sta	Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Group: Geologic Period: Depositional Gen: BLE AT 261.0 FEET. VELO Source Appl: Source Iden: Scale or Res: Horizontal:	Spatial/Tabular 1 Varies NAD27	NE.
Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 4: Gsc Material Stratum Desc Geology Stra Top Depth: Bottom Depth Material 2: Material 2: Material 3: Material 3: Material 3: Material 4: Gsc Material Stratum Desc Source Source Type: Source Date: Confidence: Observatio:	ntum ID: h: pr: Descriptio cription: ntum ID: h: pr: Descriptio cription:	21838417 0 3.4 Clay on: 21838417 3.4 Black Bedrock Granite on: Data Sun Geologica 1956-197	CLAY. '9 BEDROCK,GRANI ^T /ey al Survey of Canada 2		Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Material Moisture: Non Geo Mat Type: Geologic Formation: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: BLE AT 261.0 FEET. VELO Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda:	Spatial/Tabular 1 Varies	NE.
Geology Stra Top Depth: Bottom Depth Material Colo Material 2: Material 2: Material 3: Material 3: Material 4: Gsc Material Stratum Desth Material Colo Material 2: Material 2: Material 3: Material 3: Material 3: Material 3: Material 4: Gsc Material Stratum Dest Source Source Type: Source Date: Confidence: Observatio: Source Name	ntum ID: h: pr: Descriptio cription: ntum ID: h: pescriptio cription:	21838417 0 3.4 Clay on: 21838417 3.4 Black Bedrock Granite on: Data Sun Geologica 1956-197	CLAY. '9 BEDROCK,GRANI ⁻ /ey al Survey of Canada 2 Urban Geology Auto	omated Informati	Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Material Moisture: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Group: Geologic Period: Depositional Gen: BLE AT 261.0 FEET. VELO Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda: on System (UGAIS)	Spatial/Tabular 1 Varies NAD27	NE.
Geology Stra Top Depth: Bottom Depth Material Colo Material 2: Material 2: Material 3: Material 4: Gsc Material Stratum Desc Geology Stra Top Depth: Bottom Depth Material 2: Material 2: Material 3: Material 3: Material 3: Material 4: Gsc Material Stratum Desc Source Source Type: Source Date: Confidence: Observatio:	ntum ID: h: pr: Descriptio cription: ntum ID: h: pescriptio cription:	21838417 0 3.4 Clay on: 21838417 3.4 Black Bedrock Granite on: Data Sun Geologica 1956-197	CLAY. '9 BEDROCK,GRANI ⁻ /ey al Survey of Canada 2 Urban Geology Auto	omated Information	Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Material Moisture: Non Geo Mat Type: Geologic Formation: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: BLE AT 261.0 FEET. VELO Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda:	Spatial/Tabular 1 Varies NAD27	NE.

Map Key	Key Number of Records		<i>Direction/</i> Distance (m)	Elev/Diff (m)	Site		DI
Source List							
Source Ident Source Type Source Date: Scale or Res	:	1 Data Surve 1956-1972 Varies			Horizontal Datum: Vertical Datum: Projection Name:	NAD27 Mean Average Sea Level Universal Transverse Mercator	
Source Name Source Origi	e:	ι	Jrban Geology Auto Geological Survey o		on System (UGAIS)		
<u>25</u>	1 of 1		SE/225.0	80.8 / 0.97	lot 11 con 4 ON		wwi
Well ID:	-	1503413			Data Entry Status:		
Construction		Domostia			Data Src:	1 2/20/1962	
Primary Wate Sec. Water U		Domestic 0			Date Received: Selected Flag:	2/20/1962 True	
Final Well Sta		Water Sup	olv		Abandonment Rec:	nde	
Water Type:					Contractor:	4825	
Casing Mater	rial:				Form Version:	1	
Audit No:					Owner:		
Tag: Construction	Mothod				Street Name: County:	OTTAWA	
Elevation (m)					Municipality:	MARCH TOWNSHIP	
Elevation Re	,				Site Info:		
Depth to Bed	drock:				Lot:	011	
Nell Depth:					Concession:	04	
Overburden/I	Bedrock:				Concession Name:	CON	
Pump Rate: Static Water	l evel:				Easting NAD83: Northing NAD83:		
Flowing (Y/N					Zone:		
Flow Rate:	/				UTM Reliability:		
Clear/Cloudy	/:						
PDF URL (Ma	ap):	ł	https://d2khazk8e83	Brdv.cloudfront.ne	et/moe_mapping/downloads	s/2Water/Wells_pdfs/150\1503413.pdf	
Additional De	<u>etail(s) (Ma</u>	<u>p)</u>					
Well Comple	ted Date:	1	961/11/12				
Year Comple			961				
Depth (m):			1.5824				
Latitude: Longitude:			5.3579551585677 75.935988527227				
Path:			50\1503413.pdf				
Bore Hole Int	formation						
Bore Hole ID):	10025456			Elevation:	77.416564	
DP2BR:		22.00			Elevrc:	10	
Spatial Statu Code OB:	is:	r			Zone: East83:	18 426690.60	
Code OB: Code OB Des	sc:	r Bedrock			North83:	420090.00 5023142.00	
Open Hole:		2001001			Org CS:		
Cluster Kind:					UTMRC:	5	
Data Campla	eted:	12-Nov-19	61 00:00:00		UTMRC Desc: Location Method:	margin of error : 100 m - 300 m p5	
Date Comple Remarks: Elevrc Desc:							
Remarks: Elevrc Desc: Location Sou	urce Date:						
Remarks: Elevrc Desc: Location Sou Improvement	urce Date: t Location \$						
Remarks: Elevrc Desc: Location Sou	urce Date: t Location \$ t Location	Method:					

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Overburden Materials Inte	and Bedrock erval				
Formation ID):	930996773			
Layer:		1			
Color: General Colo	or-				
Mat1:	<i>.</i>	05			
Most Commo	on Material:	CLAY			
<i>Mat2:</i> <i>Mat2 Desc:</i>					
Matz Desc: Mat3:					
Mat3 Desc:					
Formation To	op Depth:	0.0			
Formation El		16.0			
Formation E	nd Depth UOM:	ft			
<u>Overburden</u> Materials Inte	and Bedrock erval				
Formation ID):	930996774			
Layer:		2			
Color: General Colo	or-				
Mat1:		14			
Most Commo	on Material:	HARDPAN			
Mat2: Mat2 Desc:					
Matz Desc: Mat3:					
Mat3 Desc:					
Formation To	op Depth:	16.0			
Formation E	nd Depth: nd Depth UOM:	22.0 ft			
Formation El	ia Deptil OOM.	n			
Overburden Materials Inte	and Bedrock erval				
Formation ID):	930996775			
Layer:		3			
Color: General Colo					
Mat1:	<i>.</i>	18			
Most Commo	on Material:	SANDSTONE			
Mat2:					
Mat2 Desc: Mat3:					
Mat3 Desc:					
Formation To	op Depth:	22.0			
Formation El	nd Depth: nd Depth UOM:	38.0 ft			
Mothod of C	onstruction & Well				
<u>Use</u>					
Method Cons	struction ID:	961503413			
Method Cons	struction Code:	1			
Method Cons Other Metho	struction: d Construction:	Cable Tool			
<u>Pipe Informa</u>	<u>tion</u>				
Pipe ID:	-	10574026			

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Casing No: Comment: Alt Name:		1				
Construction	n Record - Casing					
Casing ID:		930043661				
Layer: Material:		1 1				
Open Hole o	r Material:	STEEL				
Depth From:						
Depth To:		24 4				
Casing Diam Casing Diam		inch				
Casing Dept		ft				
<u>Constructior</u>	n Record - Casing					
Casing ID:		930043662				
Layer:		2				
Material:		4				
Open Hole o Depth From:		OPEN HOLE				
Depth To:		38				
Casing Diam	eter:	4				
Casing Diam		inch				
Casing Dept	h UOM:	ft				
<u>Results of W</u>	<u>'ell Yield Testing</u>					
Pump Test II		991503413				
Pump Set At		10.0				
Static Level:	fter Pumping:	10.0 14.0				
	ed Pump Depth:	30.0				
Pumping Rat	te:	6.0				
Flowing Rate		5.0				
Levels UOM:	ed Pump Rate:	5.0 ft				
Rate UOM:		GPM				
Water State	After Test Code:	2				
Water State		CLOUDY				
Pumping Tes Pumping Du		1 0				
Pumping Du Pumping Du		30				
Flowing:		No				
Water Detail	<u>S</u>					
Water ID:		933456318				
Layer:		1				
Kind Code: Kind:		1 FRESH				
Water Found	l Denth:	37.0				
	Depth UOM:	ft				
<u>26</u>	1 of 1	SE/228.3	80.8 / 0.97	860 MARCH RD. lot 1 KANATA ON	1 con 4	WWIS
Well ID:	711294	.3		Data Entry Status:		
Construction Primary Wate	n Date:			Data Src: Date Received:	10/14/2008	
	erisinfo.com Env	vironmental Risk Info	rmation Services	3		Order No: 21081000045

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Map Key	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		Ľ
Sec. Water Us					Selected Flag:	True	
Final Well Stat	tus:	Abandone	d-Other		Abandonment Rec:	Yes	
Water Type:					Contractor:	1558	
Casing Materia	al:				Form Version:	7	
Audit No:		Z84392			Owner:		
Tag:					Street Name:	860 MARCH RD.	
Construction l					County:	OTTAWA	
Elevation (m):					Municipality:	MARCH TOWNSHIP	
Elevation Relia					Site Info:		
Depth to Bedr	ock:				Lot:	011	
Well Depth:					Concession:	04	
Overburden/B	edrock:				Concession Name:	CON	
Pump Rate:					Easting NAD83:		
Static Water L					Northing NAD83:		
Flowing (Y/N):					Zone:		
Flow Rate:					UTM Reliability:		
Clear/Cloudy:							
PDF URL (Map	o):		https://d2khazk8e83	rdv.cloudfront.ne	t/moe_mapping/downloads	/2Water/Wells_pdfs/711\7112943.pdf	
Additional Det	tail(s) (Map	<u>)</u>					
Well Complete	ed Date:		2008/09/05				
Year Complete			2008				
Depth (m):	ou.		2000				
Latitude:			45.3579649328805				
Longitude:			-75.9358942076924				
Path:			711\7112943.pdf				
Bore Hole Info	ormation						
Bore Hole ID:		10018357	68		Elevation:	77.300338	
DP2BR:					Elevrc:		
Spatial Status.	:				Zone:	18	
Code OB:					East83:	426698.00	
Code OB Desc	o:				North83:	5023143.00	
Open Hole:					Org CS:	UTM83	
Cluster Kind:		_			UTMRC:	3	
Date Complete	ed:	05-Sep-20	00:00:00 800		UTMRC Desc:	margin of error : 10 - 30 m	
Remarks:					Location Method:	wwr	
Elevrc Desc:							
Location Sour							
Improvement l							
Improvement l							
Source Revisi		ent:					
Supplier Com	ment:						
Annular Space		<u>ment</u>					
Sealing Recor	<u>u</u>		4004007022				
Plug ID:			1001937898				
Layer:			1				
Plug From:							
Plug To:							
Plug Depth UC	OM:		m				
<u>Method of Cor</u> <u>Use</u>	nstruction	<u>& Well</u>					
Method Const Wethod Const			1001937902				

Мар Кеу	Number Records		Elev/Diff) (m)	Site		DB
Other Metho	d Construct	ion:				
<u>Pipe Informa</u>	<u>tion</u>					
Pipe ID: Casing No: Comment: Alt Name:		1001937895 0				
<u>Construction</u>	n Record - C	asing				
Casing ID: Layer: Material: Open Hole o Depth From: Depth To:		1001937900				
Casing Diam Casing Diam Casing Dept	eter UOM:	cm m				
<u>Construction</u>	n Record - S	<u>creen</u>				
Screen ID: Layer: Slot: Screen Top I Screen End I	Depth:	1001937901				
Screen Mate Screen Dept Screen Diam Screen Diam	h UOM: eter UOM:	m cm				
Water Details	<u>S</u>					
Water ID: Layer: Kind Code: Kind:		1001937899				
Water Found Water Found		1: m				
Hole Diamete	<u>er</u>					
Hole ID: Diameter: Depth From: Depth To:		1001937897				
Hole Depth L Hole Diamete	JOM: er UOM:	m cm				
<u>27</u>	1 of 5	W/228.5	80.9 / 1.05	927 March Rd Kanata ON K2K 1X7		EHS
Order No: Status: Report Type: Report Date: Date Receive Previous Site Lot/Building	ed: e Name:	20200417004 C Standard Report 22-APR-20 17-APR-20		Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	ON .25 -75.9404444 45.3600417	

Order No: Status: Report Type: Report Date: Date Received: Previous Site Na Lot/Building Size Additional Info C	of 5 ame: re:	<i>W/228.5</i> 20200417004 C Standard Report 22-APR-20 17-APR-20 <i>W/228.5</i> 20200417004	80.9 / 1.05 80.9 / 1.05	927 March Rd Kanata ON K2K 1X7 Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y: Y:	ON .25 -75.9404444 45.3600417	EHS
Order No: Status: Report Type: Report Date: Date Received: Previous Site Na Lot/Building Size Additional Info C 27 3 c 27 3 c Order No: Status:	ame: :e: Ordered:	20200417004 C Standard Report 22-APR-20 17-APR-20 <i>W</i> /228.5		Kanata ON K2K 1X7 Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y: Y: 927 March Rd	.25 -75.9404444	
Status: Report Type: Report Date: Date Received: Previous Site Na Lot/Building Size Additional Info C 27 3 0 27 3 0 Order No: Status:	e: Ordered:	C Standard Report 22-APR-20 17-APR-20 <i>W/228.5</i>	80.9 / 1.05	Municipality: Client Prov/State: Search Radius (km): X: Y: 927 March Rd	.25 -75.9404444	
Report Date: Date Received: Previous Site Na Lot/Building Size Additional Info C 27 3 C 27 3 C Order No: Status:	e: Ordered:	22-APR-20 17-APR-20 <i>W</i> /228.5	80.9 / 1.05	Client Prov/State: Search Radius (km): X: Y: 927 March Rd	.25 -75.9404444	
Date Received: Previous Site Na Lot/Building Size Additional Info C 27 3 C 27 3 C Drder No: Status:	e: Ordered:	17-APR-20 <i>W/</i> 228.5	80.9 / 1.05	X: Y: 927 March Rd	-75.9404444	
Previous Site Na Lot/Building Size Additional Info C <u>27</u> 3 d Order No: Status:	e: Ordered:	W/228.5	80.9 / 1.05	Y: 927 March Rd		
Lot/Building Size Additional Info C <u>27</u> 30 Order No: Status:	e: Ordered:		80.9 / 1.05	927 March Rd		
Order No: Status:	of 5		80.9 / 1.05			
Status:		20200417004		Kanata ON K2K 1X7		EHS
				Nearest Intersection:		
Report Type:		С		Municipality:		
		Standard Report		Client Prov/State:	ON	
Report Date: Date Received:		22-APR-20 17-APR-20		Search Radius (km): X:	.25 -75.9404444	
Previous Site Na	ame:	17-AFIX-20		х. Y:	45.3600417	
Lot/Building Size	e:					
Additional Info C	Ordered:					
<u>27</u> 4 c	of 5	W/228.5	80.9 / 1.05	927 March Rd Kanata ON K2K 1X7		EHS
Order No: Status:		20200417004 C		Nearest Intersection: Municipality:		
Report Type:		Standard Report		Client Prov/State:	ON	
Report Date:		22-APR-20		Search Radius (km):	.25	
Date Received: Previous Site Na	ame [.]	17-APR-20		X: Y:	-75.9404444 45.3600417	
Lot/Building Size Additional Info C	e:					
<u>27</u> 5 c	of 5	W/228.5	80.9 / 1.05	927 March Rd Kanata ON K2K 1X7		EHS
Order No:		20200417004		Nearest Intersection:		
Status:		С		Municipality:		
Report Type:		Standard Report		Client Prov/State:	ON 25	
Report Date: Date Received:		22-APR-20 17-APR-20		Search Radius (km): X:	.25 -75.9404444	
Previous Site Na	ame:			х. Ү:	45.3600417	
Lot/Building Size Additional Info C						
	er der eur					
<u>28</u> 1 0	of 1	SE/229.4	81.6 / 1.75		IARCH RD. (OWNER MR. DRAGE TANK/BARREL K 1X7	SF
Ref No: Site No:		72862		Discharger Report: Material Group:		

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DE
Incident Dt:	6/30/19	92		Health/Env Conseq:		
Year:				Client Type:		
Incident Caus		OSE LEAK		Sector Type:		
Incident Ever				Agency Involved:		
Contaminant				Nearest Watercourse:		
Contaminant				Site Address:		
Contaminant	Limit 1:			Site District Office:		
Contam Limit				Site Postal Code:		
Contaminant	UN No 1:			Site Region:		
Environment	Impact: POSSIE	BLE		Site Municipality:	20101	
Nature of Imp	act: Soil Cor	ntamination		Site Lot:		
Receiving Me	dium: LAND			Site Conc:		
Receiving En				Northing:		
MOE Respon	se:			Easting:	REPORT FAXED TO MCCR	
Dt MOE Arvl	on Scn:			Site Geo Ref Accu:		
MOE Reporte	d Dt: 6/30/19	92		Site Map Datum:		
Dt Document	Closed:			SAC Action Class:		
Incident Reas	son: EQUIPN	MENT FAILURE		Source Type:		
Site Name:						
Site County/E	District:					
Site Geo Ref	Meth:					
Incident Sum	mary:	FURNACE OIL TO	GROUND FROM	I FILL PIPE AT PRIVATERE	SIDENCE.	
Contaminant	•					

<u>29</u>	1 of 1	SW/239.2	82.9 / 3.05	lot 11 con 3 ON		wwis
Well ID: Construction Primary We Sec. Water Final Well S Water Type Casing Mate Audit No: Tag: Construction Elevation (F Depth to Be Well Depth Overburden Pump Rate Static Wate Flowing (Y) Flow Rate: Clear/Cloud	ater Use: Use: Status: e: terial: m): Reliability: edrock: : n/Bedrock: : er Level: /N):	1516836 Domestic 0 Water Supply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 12/18/1978 True 1558 1 OTTAWA MARCH TOWNSHIP 011 03 CON	
PDF URL (I	Мар):	https://d2khazk&	Be83rdv.cloudfront.ne	t/moe_mapping/downloads	/2Water/Wells_pdfs/151\1516836.pdf	
<u>Additional</u> Well Comp. Year Comp Depth (m): Latitude: Longitude: Path:	leted:	(2) 1978/11/08 1978 38.1 45.3577500054 -75.9390493718 151\1516836.pc	3151			

Bore Hole Information

Bore Hole ID:	10038731	Elevation:	80.718208

Map Key	Number Records	of	Direction/ Distance (m)	Elev/Diff (m)	Site		D
DP2BR:		2.00			Elevrc:	40	
Spatial Status:		-			Zone:	18 426450.60	
Code OB:	_	r De dre els			East83:		
Code OB Desc):	Bedrock			North83:	5023122.00	
Open Hole:					Org CS:		
Cluster Kind:	_				UTMRC:	4	
Date Complete	ed:	08-Nov-19	978 00:00:00		UTMRC Desc:	margin of error : 30 m - 100 m	
Remarks:					Location Method:	p4	
Elevrc Desc:							
Location Sour							
Improvement l							
Improvement l							
Source Revisi Supplier Comi		nt:					
<u>Overburden ar</u>		<u>r</u>					
Materials Inter	<u>val</u>						
Formation ID:			931033310				
Layer:			1				
Color:			6				
General Color:			BROWN				
Mat1:			28				
Matt. Most Common	Matorial:		SAND				
Mat2:	i materiai.		77				
Mat2 Desc:			LOOSE				
Mat2 Desc. Mat3:			LOOSL				
Mat3 Desc:							
	Donthi		0.0				
Formation Top	Depin.		2.0				
Formation End Formation End			2.0 ft				
Materials Inter Formation ID: Layer: Color: General Color: Mat1: Most Common Most Common Mat2: Mat2 Desc: Mat3 Desc: Formation Top	: n Material: o Depth:		931033311 2 2 GREY 18 SANDSTONE 74 LAYERED 73 HARD 2.0				
Formation Enc Formation Enc	d Depth: d Depth UC		125.0 ft				
<u>Method of Cor</u> <u>Use</u>	nstruction a	<u>& Well</u>					
Method Const Method Const Method Const Other Method	ruction Co ruction:	de:	961516836 5 Air Percussion				
Pipe Informati	on						
Pipe ID: Casing No: Comment:			10587301 1				

Alt Name:

Construction Record - Casing

Casing ID: Layer: Material: Open Hole or Material:	930067990 3 4 OPEN HOLE
Depth From:	
Depth To:	125
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930067988
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930067989
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	55
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991516836
Pump Set At: Static Level:	25.0
Final Level After Pumping:	50.0
Recommended Pump Depth:	75.0
Pumping Rate:	10.0
Flowing Rate:	5.0
Recommended Pump Rate: Levels UOM:	5.0 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:	No

Draw Down & Recovery

Pump Test Detail ID: Test Type: Test Duration: 934900558

Draw Down 60

Мар Кеу	Numbe Record		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Test Level:			50.0				
Test Level U	IOM:		ft				
Draw Down a	& Recover	Y					
Pump Test D	Detail ID:		934102405				
Test Type:			Draw Down				
Test Duratio	n:		15				
Test Level:			50.0				
Test Level U	IOM:		ft				
Draw Down a	& Recover	¥					
Pump Test D	Detail ID:		934381984				
Test Type:			Draw Down				
Test Duratio	n:		30				
Test Level:			50.0				
Test Level U	IOM:		ft				
<u>Draw Down a</u>	& Recover	Y					
Pump Test D	Detail ID:		934643074				
Test Type:			Draw Down				
Test Duration	n:		45				
Test Level:			50.0				
Test Level U	IOM:		ft				
Water Details	<u>s</u>						
Water ID:			933473210				
Layer:			1				
Kind Code:			1				
Kind:			FRESH				
Water Found			120.0				
Water Found	d Depth UC	DM:	ft				
<u>30</u>	1 of 1		WNW/241.4	80.9 / 1.05			BORE
					ON		20112
Borehole ID:		60983	n		Inclin FLG:	No	
OGF ID:		21551			SP Status:	Initial Entry	
Status:		21001			Surv Elev:	No	
Туре:		Boreho	ble		Piezometer:	No	
Use:		_ 5.010			Primary Name:		
Completion	Date:				Municipality:		
Static Water		4.3			Lot:		
Primary Wat		-			Township:		
Sec. Water U					Latitude DD:	45.36035	
Total Depth		-999			Longitude DD:	-75.940497	
Depth Ref:		Ground	d Surface		UTM Zone:	18	
Depth Elev:					Easting:	426341	
Drill Method	:				Northing:	5023412	
Orig Ground		77.7			Location Accuracy:		
Elev Reliabil					Accuracy:	Not Applicable	

Accuracy:

Not Applicable

Borehole Geology Stratum

DEM Ground Elev m: Concession: Location D: Survey D: Comments:

Elev Reliabil Note:

80.6

Geology Stratum IL	D: 218384194	ł		Mat Consistency:	
Top Depth:	3.7			Material Moisture:	
Bottom Depth:	11.6			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Limestone			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Descr	ription:				
Stratum Descriptio	<i>n:</i> E	BEDROCK,LIMEST	ONE.		
Geology Stratum IL		5		Mat Consistency:	
Top Depth:	11.6			Material Moisture:	
Bottom Depth:	Disal			Material Texture:	
Material Color:	Black			Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Sandstone			Geologic Group:	
Material 3: Material 4:				Geologic Period:	
Material 4: Gsc Material Descr	intion			Depositional Gen:	
Stratum Descriptio	n: E	,			LACK. LIMESTONE. BLUE. SANDSTONE. BLAC cated [Stratum Description] field.
Geology Stratum IL	D: 218384193	3		Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	3.7			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Gravel			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Descr	ription:			-	
Stratum Descriptio	n: (CLAY,GRAVEL.			
<u>Source</u>					
Source Type:	Data Surve			Source Appl:	Spatial/Tabular
Source Orig:		Survey of Canada		Source Iden:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:	Μ			Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:				on System (UGAIS)	
Source Details:				30 NTS_Sheet: 31G05D	
Confiden 1:	ł	Reliable information	but incomplete.		
Source List					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Surve	ey (Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972	•		Projection Name:	Universal Transverse Mercator
Scale or Resolution				•	
Source Name:	ι	Jrban Geology Auto	mated Informati	on System (UGAIS)	
Source Originators		Geological Survey o		- · · ·	
-		-			

Unplottable Summary

Total: 24 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 11 Con 3	Kanata ON	
CA	Klondike Developments Inc.		Ottawa ON	
СА	Klondike Developments Inc.		Ottawa ON	
CA	City of Ottawa	From Morgan's Grant Way to Old Carp Rd (Halton Terrace Extension)	Ottawa ON	
СА	Hugh Robert Sparks	Lot 12, Conc. 3, March Tp	Ottawa ON	
CA	R.M. OF OTTAWA-CARLETON	MARCH ROAD RECON., SWM FAC.	KANATA CITY ON	
СА	Morgan's Grant	Part of Lot 11, Concession 3	Ottawa ON	
CA	Klondike Developments Inc.		Ottawa ON	
DTNK	SHELL C10235 ATTN ROB DUPUIS	HWY 49 R R 2	CARP ON	
EBR	West Carleton Sand & Gravel	McGee Pit Ottawa Ontario Lot 11 and 12, Concession 4 Geographic Township of West Carelton City of Ottawa CITY OF OTTAWA	ON	
EBR	Marcel Brazeau Ltd.	Geographic Township of Nepean Part Lot 12, Concession 4 Rideau Front CITY OF OTTAWA	ON	
ECA	Mattamy (Half Moon Bay) Limited	Part of Lot 11 and 12, Concession 3 (Rideau Front)	Ottawa ON	K2K 2M5
ECA	Kanata North Landowners Group Inc.	March Rd from Maxwell Road to Shirley's Brook Drive, Shirley's Brook Drive from March Road to Sandhill Road	Ottawa ON	K1R 7Y2
ECA	Mattamy (Half Moon Bay) Limited	Part of Lot 11 and 12, Concession 3 (Rideau Front)	Ottawa ON	K2K 2M5
ECA	City of Ottawa	March Road and Halton Terrace	Ottawa ON	K1P 1J1
EHS		Hwy 49	Carp ON	
LIMO	Pierces Corners Landfill The Corporation of the Township of Rideau City of	Ottawa Part of Lot 11, Concession 3 Ottawa	ON	

NCPL	West Carleton Sand & Gravel Inc.	Lot 11-14, Conc 4	Ottawa ON
PRT	ROBS SHELL	HWY 49	CARP ON
PRT	ROB'S SHELL ROB DUPUIS	HWY 49	CARP ON
PTTW	Mattamy (Half Moon Bay) Limited	Lot 11, 12, Concession 3, Ottawa, City CITY OF OTTAWA	ON
SPL	ONTARIO HYDRO	SOUTH MARCH TRANSFORMER STATION, MARCH ROAD TRANSFORMER	KANATA CITY ON
SPL	OTTAWA-CARLETON TRANSIT	MARCH ROAD, SOUTH OF CARLING	OTTAWA CITY ON
WWIS		lot 12	ON

Unplottable Report

<u>Site:</u> Lot 11 Con 3 Kanata Ol	v
Type: Region/County: Township: Concession: Lot: Size (ha): Landuse: Comments:	Quarry Ottawa-Carleton Kanata 3 11 0.5
<u>Site:</u> Klondike Developments Ottawa ON	Inc.
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code:	2785-6SHLAU 2006 8/11/2006 Municipal and Private Sewage Works Approved

Database: CA

Database: AAGR

Site: Klondike Developments Inc. Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: **Client City: Client Postal Code:** Project Description: Contaminants: **Emission Control:**

Project Description: Contaminants: **Emission Control:**

> 3603-6XAVNJ 2007 2/5/2007 Municipal and Private Sewage Works Approved

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

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name:

1426-7VSV6P 2009 9/16/2009 Municipal and Private Sewage Works Approved

Database: CA

Database: CA

Client Address: Client City: Client Postal Code: Project Description: Contaminants: **Emission Control:**

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client Citv: **Client Postal Code: Project Description:** Contaminants: **Emission Control:**

7694-6AHJ4J 2005 3/17/2005 Waste Management Systems Approved

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

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client Citv: Client Postal Code: **Project Description:** Contaminants: **Emission Control:**

96 6/20/1996 Municipal sewage Approved

3-0372-96-

Site:	Morgan's Grant	
	Part of Lot 11, Concession 3	Ottawa ON

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

Klondike Developments Inc. Site: Ottawa ON

Certificate #: Application Year:

87

7943-6PNT68 2006



CA

Database: CA

Database: CA



Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 6/30/2006 Municipal and Private Sewage Works Approved

<u>Site:</u> SHELL C10235 ATTN ROB DUPUIS HWY 49 R R 2 CARP ON

<u>Delisted Expired Fuel Safety</u> <u>Facilities</u>

Instance No:	46799025
Status:	EXPIRED
Instance ID:	319282
Instance Type:	FS Facility
Description:	FS Cylinder Exchange
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	
Original Source:	EXP
Record Date:	Up to Mar 2012

Database: DTNK

<u>Site:</u> West Carleton Sand & Gravel McGee Pit Ottawa Ontario Lot 11 and 12, Concession 4 Geographic Township of West Carelton City of Ottawa CITY OF OTTAWA ON

EBR Registry No: Ministry Ref No: Notice Type: Notice Stage:	IA05E0467 9797-6ASMMB Instrument Decision	Decision Posted: Exception Posted: Section: Act 1:
Notice Date:	April 28, 2006	Act 2:
Proposal Date:	April 11, 2005	Site Location Map:
Year:	2005	
Instrument Type:	(OWRA s. 53(1)) - Approval for sewage	e works
Off Instrument Name: Posted By:		
Company Name: Site Address:	West Carleton Sand & Gravel	
Location Other: Proponent Name: Proponent Address: Comment Period: URL:	3725 Carp Road, P.O Box 264, Carp C	Ontario, K0A 1L0

Site Location Details:

McGee Pit Ottawa Ontario Lot 11 and 12, Concession 4 Geographic Township of West Carelton City of Ottawa CITY OF OTTAWA

Site: Marcel Brazeau Ltd. Database: EBR Geographic Township of Nepean Part Lot 12, Concession 4 Rideau Front CITY OF OTTAWA ON EBR Registry No: 012-7185 **Decision Posted:** Ministry Ref No: MNRF INST 28/16 **Exception Posted:** Notice Type: Instrument Decision Section: Notice Stage: Act 1:

88

Notice Date:	October 26, 2017	Act 2:	
Proposal Date:	March 29, 2016	Site Location Map:	
Year:	2016		
Instrument Type:	(ARA s. 16 (2)) - Ap	oproval of licensee proposed amendment to a site plan	
Off Instrument Name:			
Posted By:			
Company Name:	Marcel Brazeau Lto	d.	
Site Address:			
Location Other:			
Proponent Name:			
Proponent Address:	130 Entreprise Roa	ad, Vars Ontario, Canada K0A 3H0	
Comment Period:			
URL:			

Site Location Details:

Geographic Township of Nepean Part Lot 12, Concession 4 Rideau Front CITY OF OTTAWA

<u>Site:</u>	• •	f Moon Bay) Limited 1 and 12, Concession 3 (Rideau Fro	ont) Ottawa ON K2K 2M5	Database: ECA	
Approv	al No:	8294-AWMJGE	MOE District:		
 Approv	val Date:	2018-03-09	City:		
tatus:		Revoked and/or Replaced	Longitude:		
Record Type:ECALatitude:Link Source:IDSGeometry X:SWP Area Name:Geometry Y:		ECA	Latitude:		
			•		
	val Type:		PRIVATE SEWAGE WORKS		
	t Type:		VATE SEWAGE WORKS		
	ss Name:	Mattamy (Half Moon B			
Addres	s: Idress:	Part of Lot 11 and 12,	Concession 3 (Rideau Front)		
	DF Link:	https://www.accessenv	vironment.ene.gov.on.ca/instruments/0576-AW2MCL-14.pdf		
<u>lite:</u>			k Drive, Shirley's Brook Drive from March Road to Sandhill Road	Database ECA	
Approv	val No:	5177-BHWJYH	MOE District:		
	al Date:	2019-11-17	City:		
Status:		Approved	Longitude:		
Record	I Type:	ECA	Latitude:		
Link Sc	•••	IDS	Geometry X:		
SWP A	rea Name:		Geometry Y:		
Approv	/al Type:	ECA-MUNICIPAL AND	PRIVATE SEWAGE WORKS		
Project	Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Business Name: Kanata North Landowners Group Inc.				
			•		
	SS Maine.				
Busine Addres	s:	March Rd from Maxwe	Il Road to Shirley's Brook Drive, Shirley's Brook Drive from March Road to	o Sandhill Roa	
Busine Addres Full Ad	ss: Idress:			o Sandhill Roa	
Busine Addres Full Ad	s:		II Road to Shirley's Brook Drive, Shirley's Brook Drive from March Road to	o Sandhill Roa	
Busine Addres Full Ad	ss: Idress: DF Link: Mattamy (Hal		vironment.ene.gov.on.ca/instruments/0381-BHLP24-14.pdf		
Busine Addres Full Ad Full PD <u>Site:</u> Approv	ss: Idress: DF Link: Mattamy (Hal Part of Lot 1 val No:	https://www.accessenv If Moon Bay) Limited I and 12, Concession 3 (Rideau Fro 2335-B5VJMM	vironment.ene.gov.on.ca/instruments/0381-BHLP24-14.pdf ont) Ottawa ON K2K 2M5 MOE District:	Database	
Busine Addres Full Ad Full PD <u>Site:</u> Approv	ss: Idress: DF Link: Mattamy (Hai Part of Lot 1 val No: val Date:	https://www.accessenv ff Moon Bay) Limited f and 12, Concession 3 (Rideau Fro 2335-B5VJMM 2018-10-30	vironment.ene.gov.on.ca/instruments/0381-BHLP24-14.pdf ont) Ottawa ON K2K 2M5 MOE District: City:	Database	
Busine Addres Full Ad Full PD <u>Site:</u> Approv Approv Status:	ss: Idress: DF Link: Mattamy (Hal Part of Lot 1 val No: val Date:	https://www.accessenv ff Moon Bay) Limited 1 and 12, Concession 3 (Rideau Fro 2335-B5VJMM 2018-10-30 Approved	vironment.ene.gov.on.ca/instruments/0381-BHLP24-14.pdf ont) Ottawa ON K2K 2M5 MOE District: City: Longitude:	Database	
Busine Addres Full Ad Full PD <u>Site:</u> Approv Approv Status: Record	ss: Idress: DF Link: Mattamy (Hal Part of Lot 1 val No: val Date: I Type:	https://www.accessenv ff Moon Bay) Limited 1 and 12, Concession 3 (Rideau Fro 2335-B5VJMM 2018-10-30 Approved ECA	vironment.ene.gov.on.ca/instruments/0381-BHLP24-14.pdf ont) Ottawa ON K2K 2M5 MOE District: City: Longitude: Latitude:	Database	
Busine Addres Full Ad Full PD <u>Site:</u> Approv Status: Record Link Sc	ss: Idress: DF Link: Mattamy (Hal Part of Lot 1 val No: val Date: J Type: Durce:	https://www.accessenv ff Moon Bay) Limited 1 and 12, Concession 3 (Rideau Fro 2335-B5VJMM 2018-10-30 Approved	vironment.ene.gov.on.ca/instruments/0381-BHLP24-14.pdf ont) Ottawa ON K2K 2M5 MOE District: City: Longitude: Latitude: Geometry X:	Database	
Busine Addres Full Ad Full PD <u>Site:</u> Approv Status: Record Link Sc SWP A	ss: Idress: DF Link: Mattamy (Hal Part of Lot 1 val No: val Date: J Type: Durce: rea Name:	https://www.accessenv ff Moon Bay) Limited 1 and 12, Concession 3 (Rideau Fro 2335-B5VJMM 2018-10-30 Approved ECA IDS	vironment.ene.gov.on.ca/instruments/0381-BHLP24-14.pdf ont) Ottawa ON K2K 2M5 MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:	Database	
Busine Addres Full Ad Full PD <u>Site:</u> Approv Status: Record Link Sc SWP At Approv	ss: Idress: DF Link: Mattamy (Hai Part of Lot 1 val No: val Date: val Date: UType: purce: rea Name: val Type:	https://www.accessenv ff Moon Bay) Limited 1 and 12, Concession 3 (Rideau Fro 2335-B5VJMM 2018-10-30 Approved ECA IDS ECA-MUNICIPAL AND	vironment.ene.gov.on.ca/instruments/0381-BHLP24-14.pdf ont) Ottawa ON K2K 2M5 MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: D PRIVATE SEWAGE WORKS	Database	
Busine Addres Full Ad Full PD <u>Site:</u> Approv Status: Record Link Sc SWP At Approv Project	ss: Idress: DF Link: Mattamy (Hai Part of Lot 1 val No: val Date: val Date: UType: purce: rea Name: val Type:	https://www.accessenv ff Moon Bay) Limited 1 and 12, Concession 3 (Rideau Fro 2335-B5VJMM 2018-10-30 Approved ECA IDS ECA-MUNICIPAL AND	vironment.ene.gov.on.ca/instruments/0381-BHLP24-14.pdf Dont) Ottawa ON K2K 2M5 MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: D PRIVATE SEWAGE WORKS VATE SEWAGE WORKS	Database	

	nd Halton Terrace Ottawa ON K1P 1J1			Database: ECA
Approval No: Approval Date:	1426-7VSV6P 2009-09-16	MOE District: City:	Ottawa	
Status:	Approved	Longitude:	-75.9421	
Record Type:	ECA	Latitude:	45.3528	
Link Source:	IDS	Geometry X:		
SWP Area Name:	Mississippi Valley	Geometry Y:		
Approval Type:	ECA-MUNICIPAL AND PRIVAT			
Project Type:	MUNICIPAL AND PRIVATE SEV	WAGE WORKS		
Business Name:	City of Ottawa			
Address: Full Address:	March Road and Halton Terrace			
Full PDF Link:	https://www.accessenvironment.	ene.gov.on.ca/instruments/8300	-7VRQYE-14.pdf	
<u>Site:</u> Hwy 49 Carp	ON			Database: EHS
Order No:	20001204004	Nearest Intersection:	SW Hwy 49 & 5th Rd	
Status:	C	Municipality:	Lanark Carleton Twp	
Report Type:	Basic Report	Client Prov/State:	ON	
Report Date:	12/12/00	Search Radius (km):	0.50	
Date Received:	12/4/00	X:	-76.049538	
Previous Site Name:		Y:	45.317106	
Lot/Building Size:	100m * 50m			
Additional Info Ordere	d:			
	ers Landfill The Corporation of the Townsh	in of Pidoou City of		
	f Lot 11, Concession 3 Ottawa ON	ip of Rideau City of		Database: LIMO
ECA/Instrument No:	f Lot 11, Concession 3 Ottawa ON A461201	Natural Attenuation:		
ECA/Instrument No: Oper Status 2016:	f Lot 11, Concession 3 Ottawa ON	Natural Attenuation: Liners:		
ECA/Instrument No: Oper Status 2016: C of A Issue Date:	f Lot 11, Concession 3 Ottawa ON A461201	Natural Attenuation: Liners: Cover Material:		
ECA/Instrument No: Oper Status 2016: C of A Issue Date: C of A Issued to:	f Lot 11, Concession 3 Ottawa ON A461201	Natural Attenuation: Liners: Cover Material: Leachate Off-Site:		
ECA/Instrument No: Oper Status 2016: C of A Issue Date: C of A Issued to: Lndfl Gas Mgmt (P):	f Lot 11, Concession 3 Ottawa ON A461201	Natural Attenuation: Liners: Cover Material: Leachate Off-Site: Leachate On Site:		
ECA/Instrument No: Oper Status 2016: C of A Issue Date: C of A Issued to: LndfI Gas Mgmt (P): LndfI Gas Mgmt (F):	f Lot 11, Concession 3 Ottawa ON A461201	Natural Attenuation: Liners: Cover Material: Leachate Off-Site: Leachate On Site: Req Coll Lndfll Gas:		
ECA/Instrument No: Oper Status 2016: C of A Issue Date: C of A Issued to: LndfI Gas Mgmt (P): LndfI Gas Mgmt (F): LndfI Gas Mgmt (E):	f Lot 11, Concession 3 Ottawa ON A461201	Natural Attenuation: Liners: Cover Material: Leachate Off-Site: Leachate On Site: Req Coll Lndfll Gas: Lndfll Gas Coll:		
ECA/Instrument No: Oper Status 2016: C of A Issue Date: C of A Issued to: LndfI Gas Mgmt (P): LndfI Gas Mgmt (F): LndfI Gas Mgmt (E): LndfI Gas Mgmt Sys:	f Lot 11, Concession 3 Ottawa ON A461201	Natural Attenuation: Liners: Cover Material: Leachate Off-Site: Leachate On Site: Req Coll Lndfll Gas: Lndfll Gas Coll: Total Waste Rec:		
ECA/Instrument No: Oper Status 2016: C of A Issue Date: C of A Issued to: LndfI Gas Mgmt (P): LndfI Gas Mgmt (F): LndfI Gas Mgmt (E): LndfI Gas Mgmt Sys: LandfII Gas Mntr:	f Lot 11, Concession 3 Ottawa ON A461201	Natural Attenuation: Liners: Cover Material: Leachate Off-Site: Leachate On Site: Req Coll Lndfll Gas: Lndfll Gas Coll: Total Waste Rec: TWR Methodology:		
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ECA/Instrument No: Oper Status 2016: C of A Issue Date: C of A Issued to: LndfI Gas Mgmt (P): LndfI Gas Mgmt (F): LndfI Gas Mgmt (E): LandfII Gas Mgmt Sys: Leachate Coll Sys: ERC Est Vol (m3): ERC Volume Unit: ERC Dt Last Det:	f Lot 11, Concession 3 Ottawa ON A461201	Natural Attenuation: Liners: Cover Material: Leachate Off-Site: Leachate On Site: Req Coll Lndfll Gas: Lndfll Gas Coll: Total Waste Rec: TWR Methodology: TWR Unit: Tot Aprv Cap Unit: Financial Assurance: Last Report Year:		
ECA/Instrument No: Oper Status 2016: C of A Issue Date: C of A Issued to: LndfI Gas Mgmt (P): LndfI Gas Mgmt (E): LndfI Gas Mgmt Sys: Landfill Gas Mntr: Leachate Coll Sys: ERC Est Vol (m3): ERC Volume Unit: ERC Dt Last Det: Landfill Type:	f Lot 11, Concession 3 Ottawa ON A461201	Natural Attenuation: Liners: Cover Material: Leachate Off-Site: Leachate On Site: Req Coll Lndfll Gas: Lndfll Gas Coll: Total Waste Rec: TWR Methodology: TWR Unit: Tot Aprv Cap Unit: Financial Assurance: Last Report Year: MOE Region:		
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ECA/Instrument No: Oper Status 2016: C of A Issue Date: C of A Issued to: Lndfl Gas Mgmt (P): Lndfl Gas Mgmt (F): Lndfl Gas Mgmt (E): Lndfl Gas Mgmt Sys: Landfill Gas Mntr: Leachate Coll Sys: ERC Est Vol (m3): ERC Volume Unit: ERC Volume Unit: ERC Dt Last Det: Landfill Type: Source File Type: Fill Rate: Fill Rate Unit:	f Lot 11, Concession 3 Ottawa ON A461201	Natural Attenuation: Liners: Cover Material: Leachate Off-Site: Leachate On Site: Req Coll Lndfill Gas: Lndfill Gas Coll: Total Waste Rec: TWR Methodology: TWR Unit: Tot Aprv Cap Unit: Financial Assurance: Last Report Year: MOE Region: MOE District:		
ECA/Instrument No: Oper Status 2016: C of A Issue Date: C of A Issued to: Lndfl Gas Mgmt (P): Lndfl Gas Mgmt (F): Lndfl Gas Mgmt (E): Lndfl Gas Mgmt Sys: Landfill Gas Mntr: Leachate Coll Sys: ERC Est Vol (m3): ERC Volume Unit: ERC Volume Unit: ERC Dt Last Det: Landfill Type: Source File Type: Fill Rate: Fill Rate Unit:	f Lot 11, Concession 3 Ottawa ON A461201	Natural Attenuation: Liners: Cover Material: Leachate Off-Site: Leachate On Site: Req Coll Lndfill Gas: Lndfil Gas Coll: Total Waste Rec: TWR Methodology: TWR Unit: Tot Aprv Cap Unit: Financial Assurance: Last Report Year: MOE Region: MOE District: Site County: Lot:		
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ECA/Instrument No: Oper Status 2016: C of A Issue Date: C of A Issue Date: Lndfil Gas Mgmt (P): Lndfil Gas Mgmt (F): Lndfil Gas Mgmt Sys: Landfill Gas Mgmt Sys: Landfill Gas Mgmt Sys: ERC Est Vol (m3): ERC Volume Unit: ERC Dt Last Det: Landfill Type: Source File Type: Fill Rate: Fill Rate Unit: Tot Fill Area (ha): Tot Site Area (ha): Footprint: Tot Apprv Cap (m3): Contam Atten Zone:	f Lot 11, Concession 3 Ottawa ON A461201	Natural Attenuation: Liners: Cover Material: Leachate Off-Site: Leachate On Site: Req Coll Lndfll Gas: Lndfll Gas Coll: Total Waste Rec: TWR Methodology: TWR Unit: Tot Aprv Cap Unit: Financial Assurance: Last Report Year: MOE Region: MOE District: Site County: Lot: Concession: Latitude: Longitude:		
ECA/Instrument No: Oper Status 2016: C of A Issue Date: C of A Issue to: LndfI Gas Mgmt (P): LndfI Gas Mgmt (F): LndfI Gas Mgmt Sys: Landfill Gas Mgmt Sys: ERC Est Vol (m3): ERC Volume Unit: ERC Dt Last Det: Landfill Type: Source File Type: Fill Rate: Fill Rate: Fill Rate Unit: Tot Fill Area (ha): Footprint: Tot Apprv Cap (m3): Contam Atten Zone: Grndwtr Mntr:	f Lot 11, Concession 3 Ottawa ON A461201	Natural Attenuation: Liners: Cover Material: Leachate Off-Site: Leachate Off-Site: Req Coll Lndfll Gas: Lndfll Gas Coll: Total Waste Rec: TWR Methodology: TWR Unit: Tot Aprv Cap Unit: Financial Assurance: Last Report Year: MOE Region: MOE Region: MOE District: Site County: Lot: Concession: Latitude: Longitude: Easting: Northing: UTM Zone:		
ECA/Instrument No: Oper Status 2016: C of A Issue Date: C of A Issue Date: LndfI Gas Mgmt (P): LndfI Gas Mgmt (F): LndfI Gas Mgmt (E): LndfI Gas Mgmt Sys: Landfill Gas Mgmt Sys: ERC Est Vol (m3): ERC Volume Unit: ERC Dt Last Det: Landfill Type: Source File Type: Fill Rate: Fill Rate Unit: Tot Fill Area (ha): Tot Site Area (ha): Footprint: Tot Apprv Cap (m3): Contam Atten Zone:	f Lot 11, Concession 3 Ottawa ON A461201	Natural Attenuation: Liners: Cover Material: Leachate Off-Site: Leachate Off-Site: Req Coll Lndfll Gas: Lndfll Gas Coll: Total Waste Rec: TWR Methodology: TWR Unit: Tot Aprv Cap Unit: Financial Assurance: Last Report Year: MOE Region: MOE District: Site County: Lot: Concession: Latitude: Longitude: Easting: Northing:		

Pierces Corners Landfill The Corporation of the Township of Rideau City of Ottawa

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Air Emis Monitor: Approved Waste Type: Client Site Name: ERC Methodology: Site Name:

<u>Site:</u> West Carleton Sand & Gravel Inc. Lot 11-14, Conc 4 Ottawa ON

Year: Site Name: Facility Owner: Discharge Type: Sector: District Area: Type of Concern: Contaminant: Status Report:

Industrial Sewage Miscellaneous Ottawa C of A/Permit Non-Compliance SUSPENDED SOLIDS

<u>Details</u>

Incident Date:	10/5/2006
Exceedance Start Date:	10/5/2006
Exceedance End 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

2006

Site: ROBS SHELL HWY 49 CARP ON

Location ID:	2810
Type:	retail
Expiry Date:	1994-10-31
Capacity (L):	2000
Licence #:	0034165001

<u>Site:</u> ROB'S SHELL ROB DUPUIS HWY 49 CARP ON

<u>Site:</u> Mattamy (Half Moon Bay) Limited Lot 11, 12, Concession 3, Ottawa, City CITY OF OTTAWA ON

2810 retail 1996-04-30 122600 0054321001

EBR Registry No: Ministry Ref No: Notice Type: Notice Stage:	010-5959 8783-7PCUC4 Instrument Decision	Decision Posted: Exception Posted: Section: Act 1:
Notice Date:	June 26, 2009	Act 2:
Proposal Date: Year:	February 20, 2009 2009	Site Location Map:
Instrument Type: Off Instrument Name:	(OWRA s. 34) - Permit to Take Water	
Posted By: Company Name:	Mattamy (Half Moon Bay) Limited	
Site Address: Location Other:		
Proponent Name: Proponent Address: Comment Period:	123 Huntmar Drive, Ottawa Ontario, Ca	anada K2S 1B9

Database: NCPL

> Database: PRT

> Database:

PRT

Database: PTTW

Site Location Details:

Lot 11, 12, Concession 3, Ottawa, City CITY OF OTTAWA

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

Database: SPL

Database:

SPL

Ref No:	128700	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	6/26/1996	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	COOLING SYSTEM LEAK	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	CONFIRMED	Site Municipality:	20103
Nature of Impact:	Soil contamination	Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	EPS
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	7/3/1996	Site Map Datum:	
Dt Document Closed:	OTHER	SAC Action Class:	
Incident Reason:	OTHER	Source Type:	
Site Name:			
Site County/District: Site Geo Ref Meth:			
	ONTARIO HYDRO: 250 ML OF PCB		
Incident Summary: Contaminant Qty:	UNTARIO ITI DRO. 230 ME OF FCB	OIE (200 F F M) TO SOILCO	INTAINED AND GELANED OF.
Somanniant Qty.			

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

Ref No: Site No: Incident Dt:	222088 2/25/2002	Discharger Report: Material Group: Health/Env Conseq:	
Year: Incident Cause: Incident Event: Contaminant Code:	OTHER CONTAINER LEAK	Client Type: Sector Type: Agency Involved: Nearest Watercourse:	
Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freg 1:		Site Address: Site District Office: Site Postal Code:	
Contaminant UN No 1: Environment Impact: Nature of Impact:	POSSIBLE Water course or lake	Site Region: Site Municipality: Site Lot:	20107
Receiving Medium: Receiving Env: MOE Response:	LAND / WATER	Site Conc: Northing: Easting:	
Dt MOE Arvl on Scn: MOE Reported Dt: Dt Document Closed:	2/25/2002	Site Geo Ref Accu: Site Map Datum: SAC Action Class:	
Incident Reason: Site Name: Site County/District:	MATERIAL FAILURE	Source Type:	

OC TRANSIT: 2L OF ANTIFREEZE IN THE SEWER, CLEANING

Site Geo Ref Meth:

Incident Summary: Contaminant Qty:

Site:

lot 12 ON

Well ID: 1535508 Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Z17642 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:

Bore Hole Information

Bore Hole ID: 11316047 DP2BR: Spatial Status: Code OB: Code OB Desc: No formation data **Open Hole:** . Cluster Kind: Date Completed: 10-May-2005 00:00:00 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Method of Construction & Well Use

Method Construction ID:	961535508
Method Construction Code:	В
Method Construction:	Other Method
Other Method Construction:	

Pipe Information

Pipe ID: Casing No: Comment: Alt Name: 11330902 1

Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: **Owner:** Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:

5/28/2005 True 6907 3

OTTAWA OTTAWA CITY

012

Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:

na

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.

Provincial AAGR The MAAP Program maintains a database of abandoned pits and guarries. 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*

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.

Provincial Abandoned Mine Information System: 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.

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated. Government Publication Date: May 31, 2014

Private Automobile Wrecking & Supplies: 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-Dec 31, 2020

Borehole: BORE A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW. Government Publication Date: 1875-Jul 2018

Abandoned Aggregate Inventory:

Aggregate Inventory:

Government Publication Date: Up to Sep 2020

Government Publication Date: 1800-Oct 2018

94

AST

Private

Provincial

Provincial

Certificates of Approval:

Dry Cleaning Facilities:

Commercial Fuel Oil Tanks:

listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information. Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. Government Publication Date: May 31, 2021

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

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).

Chemical Manufacturers and Distributors:

Compressed Natural Gas Stations:

Compliance and Convictions:

Certificates of Property Use:

95

Inventory of Coal Gasification Plants and Coal Tar Sites:

Government Publication Date: 1985-Oct 30, 2011*

Government Publication Date: Jan 2004-Dec 2018

Please refer to those individual databases for any information after Oct.31, 2011.

tetrachloroethylene to the environment from dry cleaning facilities.

distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.). Government Publication Date: 1999-Jan 31, 2020

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of

Chemical Register:

Government Publication Date: 1999-Dec 31, 2020

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance. Government Publication Date: Dec 2012 - Apr 2021

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*

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 2020

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- Jun 30, 2021

Provincial

Federal

Private

Private

CA

CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's

Provincial CFOT Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this

CHM

CNG

COAL

CHEM

Private

Provincial

Provincial CPU

Provincial CONV

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ERIS Historical Searches:

Government Publication Date: 1999-Jun 30, 2021

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*

Drill Hole Database:

Delisted Fuel Tanks:

Environmental Activity and Sector Registry:

Government Publication Date: May 31, 2021

company map; or from submitted a "Report of Work". Government Publication Date: 1886 - Sep 2020

regulatory agency under Access to Public Information.

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- Jun 30, 2021

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)

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

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.

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*

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: Oct 2011- Jun 30, 2021 Federal Environmental Effects Monitoring:

Orders please refer to those individual databases. Government Publication Date: 1994- Jun 30, 2021

Provincial Environmental Compliance Approval: **FCA** 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

EEM

EHS ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location,

Federal Environmental Issues Inventory System: FIIS

Provincial

Provincial

Private

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment

DTNK

DRI

EASR

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the

Provincial

96

Emergency Management Historical Event:

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

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report:

These reports provide information on environmental penalties for land or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations. Government Publication Date: Jan 1, 2011 - Dec 31, 2020

List of Expired Fuels Safety Facilities: List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities

been removed from the ground. Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. Government Publication Date: Jul 31, 2020

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*

in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have

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

Government Publication Date: Jun 2000-Apr 2021

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Fisheries & Oceans Fuel Tanks:

Federal Convictions:

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation. Government Publication Date: 1964-Sep 2019

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and

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

Government Publication Date: May 31, 2018

Fuel Storage Tank:

97

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

Government Publication Date: Jul 31, 2020

EPAR

EXP

FCON

FOFT

FRST

FST

Federal

Federal

Federal

Federal

Provincial

FMHF

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change.

Provincial

Provincial

Provincial

Order No: 21081000045

Fuel Storage Tank - Historic:

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:

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-Apr 30, 2021

Greenhouse Gas Emissions from Large Facilities:

dioxide equivalents (kt CO2 eq). Government Publication Date: 2013-Dec 2019

Provincial **TSSA Historic Incidents:** HINC List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here. Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both

federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation. Government Publication Date: 1950-Aug 2003*

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

Government Publication Date: May 31, 2021

Landfill Inventory Management Ontario:

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Feb 28, 2019

Canadian Mine Locations:

98

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*

Provincial

Provincial

Federal

GHG List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon

IAFT

INC

LIMO

FSTH

GEN

Federal

Provincial

Provincial

Private

MINE

Mineral Occurrences:

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-Dec 2020

National Analysis of Trends in Emergencies System (NATES):

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: 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, 2019

National Defense & Canadian Forces Fuel Tanks:

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*

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on

National Defense & Canadian Forces Spills:

under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered. Government Publication Date: Mar 1999-Apr 2018

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*

(NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal

National Energy Board Pipeline Incidents:

Government Publication Date: 2008-Mar 31, 2021

jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

National Defence & Canadian Forces Waste Disposal Sites:

National Energy Board Wells:

99

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*

Federal

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified

Federal

Federal

Federal

Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board

Federal

Provincial

MNR

NATE

NDFT

NDWD

NFBI

NEBP

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of

Federal

Provincial

NDSP

National Environmental Emergencies System (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: 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:

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

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.

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

Government Publication Date: 1988-Feb 28, 2021

Ontario Oil and Gas Wells:

Oil and Gas Wells:

geology/stratigraphy table information, plus all water table information is also provide for each well record. Government Publication Date: 1800-Jun 2020

Inventory of PCB Storage Sites: 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:

100

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-Apr 30, 2021

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

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

Parks Canada Fuel Storage Tanks:

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

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NFFS

NPRI

OGWF

Provincial

Provincial 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

Private

Federal

Federal

Federal

Private

Provincial

OOGW

ORD

PCFT

Federal

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

Government Publication Date: Oct 2011- Jun 30, 2021

Pipeline Incidents:

Permit to Take Water:

Pesticide Register:

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness. Government Publication Date: May 31, 2021

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*

Private and Retail Fuel Storage Tanks:

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- Jun 30, 2021

Ontario Regulation 347 Waste Receivers Summary: 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: 1986-1990, 1992-2018

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-Jun 2021

Retail Fuel Storage Tanks:

Record of Site Condition:

or propane storage tanks. Government Publication Date: 1999-Dec 31, 2020

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*

Scott's Manufacturing Directory:

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

Government Publication Date: 1988-Aug 2020

Provincial

Provincial

PES

PINC

PRT

PTTW

RSC

RST

SCT

Provincial

Provincial

Provincial

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

Private

Provincial

Provincial

Order No: 21081000045

102

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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*

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,

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table. Government Publication Date: Apr 30, 2021

Provincial Water Well Information System: **WWIS**

still be found in this database. Government Publication Date: Oct 2011- Jun 30, 2021

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Records are not verified for accuracy or completeness. Government Publication Date: May 31, 2021

from this code requirement.

Provincial Waste Disposal Sites - MOE CA Inventory: 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

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

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 - Dec 2020 Provincial

Transport Canada Fuel Storage Tanks: Federal TCFT

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*

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

Private Anderson's Storage Tanks: TANK The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks,

Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All

Wastewater Discharger Registration Database: 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

sampling information is now collected and stored within the Sample Result Data Store (SRDS). Government Publication Date: 1990-Dec 31, 2018

Provincial In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known

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

VAR

SRDS

Provincial

WDSH

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.

<u>Map Key:</u> 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.'

<u>Unplottables:</u> 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 3

QUALIFICATIONS OF ASSESSORS

Mandy Witteman, B.Eng., M.A.Sc.

patersongroup

POSITION

Intermediate Environmental Engineer

EDUCATION

Carleton University M.A.Sc., Environmental Engineering, 2013 B.Eng., Environmental Engineering, 2008

MEMBERSHIPS & AWARDS

Ontario Professional Engineers Association (EIT) NSERC Industry R&D Scholarship

EXPERIENCE

2018 – Present **Paterson Group Inc.** Consulting Engineers Geotechnical and Environmental Division Environmental Engineer

2014 – 2015 **Thurber Engineering Limited** Oil Sand Tailings Group Tailings Engineer

2009 – 2014 **Carleton University** Department of Civil & Environmental Engineering Research Engineer, Research Assistant & Teaching Assistant

2008 – 2009 SLR Consulting Limited Contaminated Sites Junior Environmental Engineer

SELECTED LIST OF PROJECTS

Phase I & II Environmental Site Assessments – NRC, Kingston Remediation – National Capital Region, Saskatchewan Multi-lift and dry-stacking pilot programs – Northern Alberta Polymer amended oil sand tailings – Northern Alberta Hydraulic cut-off wall – Allen, Saskatchewan Cemented paste backfill systems – Northern Ontario

Mark S. D'Arcy, P. Eng.

patersongroup

Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

Materials Testing

Building Science

Archaeological Services

POSITION

Associate and Supervisor of the Environmental Division Senior Environmental/Geotechnical Engineer

EDUCATION

Queen's University, B.A.Sc.Eng, 1991 Geotechnical / Geological Engineering

MEMBERSHIPS

Ottawa Geotechnical Group Professional Engineers of Ontario

EXPERIENCE

1991 to Present **Paterson Group Inc.** Associate and Senior Environmental/Geotechnical Engineer Environmental and Geotechnical Division Supervisor of the Environmental Division

SELECT LIST OF PROJECTS

Mary River Exploration Mine Site - Northern Baffin Island Agricultural Supply Facilities - Eastern Ontario Laboratory Facility – Edmonton (Alberta) Ottawa International Airport - Contaminant Migration Study - Ottawa Richmond Road Reconstruction - Ottawa Billings Hurdman Interconnect - Ottawa Bank Street Reconstruction - Ottawa Environmental Review - Various Laboratories across Canada - CFIA Dwyer Hill Training Centre - Ottawa Nortel Networks Environmental Monitoring - Carling Campus - Ottawa Remediation Program - Block D Lands - Kingston Investigation of former landfill sites - City of Ottawa Record of Site Condition for Railway Lands - North Bay Commercial Properties - Guelph and Brampton Brownfields Remediation - Alcan Site - Kingston Montreal Road Reconstruction - Ottawa Appleford Street Residential Development - Ottawa Remediation Program - Ottawa Train Yards Remediation Program - Bayshore and Heron Gate Gladstone Avenue Reconstruction - Ottawa Somerset Avenue West Reconstruction - Ottawa