Geotechnical Engineering

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Phase I - Environmental Site Assessment

797 Richmond Road
Ottawa, Ontario

Prepared For

Dentech Holdings Inc.

April 12, 2021

Report: PE5190-1

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EXECUTIVE SUMMARY

Assessment

Paterson Group was commissioned by Dentech Holdings Inc. to conduct a Phase I – Environmental Site Assessment (Phase I ESA) for the property addressed 797 Richmond Road, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the subject site and study area as well as to identify any environmental concerns with the potential to have impacted the subject site.

According to the historical research, the subject site was first developed for residential purposes sometime prior to 1945. The subject site was later redeveloped for commercial purposes sometime in the 1960's, and again in the 1980's with the existing commercial office building. No environmental concerns were identified with respect to the historical use of the subject site.

The neighbouring lands in the vicinity of the subject site have historically been developed predominantly for residential purposes, with the exception of several commercial properties developed along Richmond Road. The property addressed 75 Cleary Avenue (formerly 793 Richmond Road), located adjacent to the northeast of the subject site, was formerly occupied with a retail fuel outlet/auto service garage. The property addressed 801 Richmond Road (formerly 805 Richmond Road), located adjacent to the southwest of the subject site, was formerly occupied with a coal storage shed. Due to their close proximity, these properties are considered to represent APECs with respect to the subject site.

Following the historical review, a site inspection was conducted to assess the present-day environmental conditions of the subject site. The subject stie is currently occupied with a one (1) storey denture care centre. No environmental concerns were identified with respect to the current use of the subject site.

The neighbouring lands within the vicinity of the subject site were generally observed to be used for residential and/or commercial purposes. The property addressed 801 Richmond Road, located adjacent to the southwest of the subject site, is currently occupied with an auto service garage. Due to its close proximity, this property is considered to represent an APEC with respect to the subject site.

Recommendations

Based on the findings of this assessment, it is our opinion that **a Phase II - Environmental Site Assessment will be required for the subject site.**

Hazardous Substances

If the subject building is to be demolished in the near future, then a designated substance survey (DSS) will be required prior to its demolition.

1.0 INTRODUCTION

At the request of Dentech Holdings Inc., Paterson Group (Paterson) conducted a Phase I – Environmental Site Assessment (Phase I ESA) for 797 Richmond Road, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the subject site and study area as well as to identify any environmental concerns with the potential to have impacted the subject site.

Paterson was engaged to conduct this Phase I ESA by Mr. Joe Tallis, courtesy of Dentech Holdings Inc. Dentech Holdings Inc. can be reached by telephone at 613-728-5532.

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 in general accordance with 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 PROPERTY INFORMATION

Addresses:	797 Richmond Road, Ottawa, Ontario.
Legal Description:	Part of Lots 26 & 27, Concession 1 (Ottawa Front), Formerly the Township of Nepean, in the City of Ottawa.
Location:	The subject site is located on the north side of Richmond Road, approximately 70 m west of Cleary Avenue, in the City of Ottawa, Ontario. Refer to Figure 1 – Key Plan for the site location.
Latitude and Longitude:	45° 22' 54" N, 75° 46' 16" W

Site Description:

Configuration:	Rectangular
Site Area:	1,165 m^2 (approximate)
Zoning:	TM – Traditional Main Street Zone
Current Uses:	The subject site is currently occupied with a one (1) storey denture care centre.
Services:	The subject site is located within a municipally serviced area.

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 Ontario Regulation 269/11 amending O.Reg. 153/04 made 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 ESA study area for this assignment. Properties located outside of this 250 m radius are not considered to have had the potential to impact the subject site, based on their significant distance away from the site.

First Developed Use Determination

Based on a review of available historical information, the subject site was first developed prior to 1945 for residential purposes.

Fire Insurance Plans

Fire insurance plans (FIPs) from 1956 were reviewed for the general area of the subject site as part of this assessment. In the FIPs, the subject site appears to be occupied with a residential dwelling at this time. No environmental concerns were identified with respect to the use of the subject site during this time period.

The surrounding lands are shown to be comprised mainly of residential properties, with some commercial businesses present along Richmond Road to the east and west of the subject site. Several off-site PCAs were identified within the Phase I study area and are summarized below in Table 1:

Table 1: Fire Insurance Plans - PCAs within Phase I Study Area

Address	Activity	Approximate Distance / Orientation from site	Area of Potential Environmental Concern (Y / N)
1956 FIP			
755 Richmond Rd. (Now 747 Richmond Rd.)	Former Retail Fuel Outlet (x2 USTs)	110 m Northeast	N
793 Richmond Rd. (Now 75 Cleary Ave.)	Former Retail Fuel Outlet (x2 USTs) & Auto Service Garage	Adjacent Northeast	**Y**
No Municipal Address	Former Canadian Pacific Railway Line	Adjacent Northwest	N
805 Richmond Rd. (Now 801 Richmond Rd.)	Former Wood Cutting & Coal Storage	Adjacent Southwest	N
855 Richmond Rd. (Now 851 Montreal Rd.)	Former Bulk Diesel Fuel Storage Depot	170 m Southwest	N
865 Richmond Rd. (Now 851 Montreal Rd.)	Former Retail Fuel Outlet (x2 USTs)	240 m Southwest	N

Based on their close proximity, the former retail fuel outlet/auto service garage located at 793 Richmond Road (now 75 Cleary Avenue) as well as the former coal storage shed located at 805 Richmond Road (now 801 Richmond Road) are considered to represent APECs with respect to the subject site. The remaining off-site PCAs are either located at a significant distance away, or are situated in a down-gradient or cross-gradient orientation, with respect to the subject site and thus are not considered to pose an environmental concern.

City of Ottawa Street Directories

As part of this assessment, the City of Ottawa street directories for the general area of the subject site were reviewed in approximate ten (10) year intervals, from 1931 to 2010. A summary of the potentially contaminating activities identified by the city directory search is provided below in Table 2.

Table 2: City Directories – Potentially Contaminating Activities

Address	Listed Activity (years listed)	Area of Potential Environmental Concern (Y / N)
Richmond Road		
721 Richmond Rd. (Now 851 Richmond Rd.)	Leafloor Bros. Coal (1950) Sunlight Oil Service Station & Snack Bar (1950)	N
723 Richmond Rd. (Now 727 Richmond Rd.)	Tomko Cleaners (1980)	N
739 Richmond Rd. (Now 727 Richmond Rd.)	J&J Coin Wash & Self Serve (1975) A&S Coin Wash & Dry Cleaning (1970)	N
793 Richmond Rd. (Now 75 Cleary Ave.)	Westboro Sunoco (1980-1986) Sunoco Sun Oil Co. Ltd. (1975) Stan Trowbridge Sunoco Service Station (1970) Marchington Bros. Service Station (1959)	**Y**
801 Richmond Rd.	Dave Rennie's Autocare (2000-2010)	**Y**
805 Richmond Rd. (Now 801 Richmond Rd.)	Leafloor Bros. Coal (1953-1959)	**Y**
841 Richmond Rd. (Now 851 Richmond Rd.)	Ray O'Donnell BP Service Station (1970) Tierney BP Service Station (1959) Sunlight Oil Service Station (1955)	N
875 Richmond Rd. (Now 851 Richmond Rd.)	Saveway Gas (1984-1986) Little Oil Co. Ltd. Gas Bar (1980) Target Gas-Mart (1975) Wayne Rowe Automobile (1970)	N

Based on their close proximities, the former retail fuel outlet located at 793 Richmond Road (now 75 Cleary Avenue), as well as the former coal storage shed and existing auto service garage at 801 Richmond Road, are considered to represent APECs with respect to the subject site. The remaining off-site PCAs identified are either located at a significant distance away, or are situated in a down-gradient or cross-gradient orientation, with respect to the subject site, and thus are not considered to pose an environmental concern.

Chain of Title

A chain of title was obtained from Read Abstracts Ltd. and reviewed as part of this assessment. According to the report, the property was owned by various private individuals from 1872 until 1963, when it was registered to Harvey Drive-In Limited. In 2001, the property was registered to Dentech Holdings Inc., who currently maintain ownership of the property.

4.2 Environmental Source Information

National Pollutant Release Inventory

A search of the National Pollutant Release Inventory (NPRI) was conducted as part of this assessment. No records of any pollutant releases were identified for the subject site or for any properties situated within the Phase I study area.

PCB Waste Storage Site Inventory

A search of the national PCB waste storage site inventory was conducted as part of this assessment. The search did not identify any current or former PCB waste storage sites situated within the Phase I study area.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry was conducted as part of this assessment. No Records of Site Condition (RSCs) were identified in the database as having been filed for the subject site.

One (1) record of site condition was filed for a property situated within the Phase I study area. The property addressed 761 and 793 Richmond Road (now 75 Cleary Avenue), located adjacent to the northeast of the subject site, had an RSC (#54112) filed in June 2009 by Golder Associates Ltd. According to the RSC, roughly 8,500 m^3 of contaminated soil was removed from this property as part of a remediation program carried out in conjunction with redevelopment activities. In addition, groundwater control measures were put in place at the southern property boundary to control contaminated groundwater during the remedial work. Pumped groundwater was treated on-site, using dedicated equipment, prior to being discharged into the City of Ottawa sanitary sewer system.

Based on its close proximity, this former retail fuel outlet is considered to represent an APEC with respect to the subject site.

MECP Coal Gasification Plant Inventory

The Ontario Ministry of Environment, Conservation and Parks document entitled, *"Municipal Coal Gasification Plant Site Inventory, 1991"* was reviewed as part of this assessment. This document provides a reference to the locations of former plants with respect to the subject site. A review of this document did not identify any former coal gasification plants located on the subject site or within the Phase I study area.

MECP Waste Disposal Site Inventory

The Ontario Ministry of Environment, Conservation and Parks document entitled, *"Waste Disposal Site Inventory in Ontario, 1991"* was reviewed as part of this assessment. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants, and coal tar distillation plants situated in the Province of Ontario. A review of this document did not identify any relevant records pertaining to the subject site or for properties located within the Phase I study area.

MECP Instruments

A request was submitted to the MECP Freedom of Information office for information with respect to certificates of approval, permits to take water, certificates of property use, or any other similar MECP issued instruments for the subject site. A response from the MECP had not been received prior to the issuance of this report.

MECP Submissions

A request was submitted to the MECP Freedom of Information office for information with respect to reports related to environmental conditions for the subject site. A response from the MECP had not been received prior to the issuance of this report.

MECP Incident Reports

A request was submitted to the MECP Freedom of Information office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants, or inspections maintained by the MECP for the subject site or neighbouring properties. A response from the MECP had not been received prior to the issuance of this report.

MECP Waste Management Records

A request was submitted to the MECP Freedom of Information office for information with respect to waste management records for the subject site. A response from the MECP had not been received prior to the issuance of this report.

OMNRF Areas of Natural Significance

A search for areas of natural and scientific interest situated within the Phase I study area was conducted electronically via the Ontario Ministry of Natural Resources and Forestry (OMNRF) website. The search did not identify any natural features of areas of natural significance within the Phase I study area.

Technical Standards and Safety Authority (TSSA)

The TSSA Fuels Safety Branch in Toronto was contacted electronically, as part of this assessment, to inquire about current and former underground fuel storage tanks, spills, and historical incidents for the subject site and neighbouring properties. The response from the TSSA indicated that no records were identified pertaining to the subject site or the neighbouring properties. A copy of the correspondence with the TSSA is included in Appendix 2.

City of Ottawa Former Industrial Sites

The document prepared by Intera Technologies Limited entitled, *"Mapping and Assessment of Former Industrial Sites, City of Ottawa"*, was reviewed as part of this assessment. One (1) former industrial site was identified within the Phase I study area:

- 855 Richmond Road (Site #18) – Former bulk storage of diesel and fuel oil (Sunlight Oil Co.), located approximately 170 m to the southwest of the subject site, which operated from the 1940's to the 1970's.

Based on its date of operation, its separation distance and cross-gradient orientation, as well as its recent redevelopment (c.2020), this former bulk fuel storage site is not considered to pose an environmental concern to the subject site.

City of Ottawa Old Landfill Sites

The document prepared by Golder Associates entitled, *"Old Landfill Management Strategy, Phase I - Identification of Sites, City of Ottawa"*, was reviewed as part of this assessment. No former landfill sites were identified on the subject site or within the Phase I study area.

City of Ottawa Historical Land Use Inventory (HLUI) Database

As part of this assessment, a requisition form was submitted to the City of Ottawa to request information from the City's Historical Land Use Inventory (HLUI 2005) database for any environmental records pertaining to the subject site as well as any properties situated within the Phase I study area. No environmental concerns were identified with respect to the historical use of the subject site.

Several activities were identified for properties within the Phase I study area. The HLUI search results are summarized below in Table 3:

Table 3: City of Ottawa HLUI Search Results

Address	Listed Activity (years listed)	Approx. Distance / Orientation From Site	APEC (Y/N)
855 Richmond Rd. (Now 851 Richmond Rd.)	Sunlight Oil Co. (1948-1957)	170 m Southwest	N
865 Richmond Rd. (Now 851 Richmond Rd.)	Unnamed Gasoline Service Station (1949-1980) Ray O'Donnell BP Service Station (1970) Tierney BP Service Station (1960)	240 m Southwest	N
721 Richmond Rd. (Now 747 Richmond Rd.)	Sunlight Oil Service Station (1900-1965)	110 m Northeast	N
747 Richmond Rd.	Dry Cleaning Depot (2006) Peter's Shell Service Station (1970) Burns Shell Service Station (1956-1970) Ardley Shell Service Station (1956)	110 m Northeast	N
793 Richmond Rd. (Now 75 Cleary Ave.)	Westboro Sunoco (1948-1980) Stan Trowbridge Sunoco (1970) Marchington Bro Service (1960) Egan Sunoco Service Station (1956)	Adjacent Northeast	**Y**
801 Richmond Rd.	Dave Rennie's Autocare (2005)	Adjacent Southwest	**Y**
739 Richmond Rd. (Now 727 Richmond Rd.)	A+S Coin Wash & Dry Cleaning (1970)	180 m Northeast	N

Based on their close proximities, the former retail fuel outlet located at 793 Richmond Road (now 75 Cleary Avenue), as well as the existing auto service garage at 801 Richmond Road, are considered to represent APECs with respect to the subject site.

The remaining off-site PCAs identified are either located at a significant distance away, or are situated in a down-gradient or cross-gradient orientation, with respect to the subject site, and thus are not considered to pose an environmental concern. A copy of the HLUI search results are included in Appendix 2.

ERIS Database Report

A database report, prepared by ERIS (Environmental Risk Information Services) Ltd., dated February 22, 2021, was acquired and reviewed as part of this assessment. The complete ERIS report has been included in Appendix 2.

❒ *On-Site Records:*

The ERIS report identified one (1) record pertaining to the subject site. The record describes a Scott's Manufacturing Directory entry for the subject site pertaining to the manufacturing of medical equipment and supplies. This record refers to the current tenant of the subject building, Dentech Inc., for the manufacturing and maintenance of personal denture products. No environmental concerns were identified with respect to the aforementioned record.

❒ *Off-Site Records:*

The ERIS report identified seventy-two (72) records pertaining to properties located within a 250 m radius of the subject site.

Some of the records identified by the database report pertain to the property addressed 793 Richmond Road (now addressed 75 Cleary Avenue), located adjacent to the northeast of the subject site. The records primarily describe a record of site condition filed for this property in June 2009. As discussed earlier in this report, this property was historically occupied with a retail fuel outlet from the 1950's until decommissioned sometime in the 1980's. A soil and groundwater remediation program was conducted for this property in 2009 in conjunction with site redevelopment activities. Due to its close proximity, the historical presence of a retail fuel outlet on this property is considered to represent an APEC with respect to the subject site.

The remaining off-site records identified in the ERIS report are listed for properties which are situated at a significant distance away, or are situated in a down-gradient or cross-gradient orientation, with respect to the subject site, and thus are not considered to pose an environmental concern.

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:

1945 *(Poor Scale)* The subject site appears to be occupied with a residential dwelling at this time. The surrounding lands appear to be used for either residential, commercial, or agricultural purposes. A railway line can be seen immediately to the north of the subject site.

1958 *(City of Ottawa Website)* No significant changes are apparent with respect to the subject site. Two (2) retail fuel outlets can be seen to the northeast of the subject site. Several low-rise residential apartment buildings can be seen to the south of the subject site.

1965 *(City of Ottawa Website)* The subject site appears to have been redeveloped with a small commercial building and an asphaltic concrete parking lot. No significant changes are apparent with respect to the neighbouring properties.

1976 *(City of Ottawa Website)* No significant changes are apparent with respect to the subject site. The adjacent building to the southwest of the subject site, as well as the railway line to the north, both appear to have been demolished/decommissioned at this time.

1986 *(Poor Scale)* The subject site appears to have been redeveloped with the existing commercial office building. No significant changes are apparent with respect to the neighbouring properties.

1994 *(Poor Scale)* No significant changes are apparent with respect to the subject site or the neighbouring properties.

2002 *(City of Ottawa Website)* No significant changes are apparent with respect to the subject site. The neighbouring retail fuel outlet to the northeast appears to have been demolished/decommissioned at this time. An auto service garage can be seen adjacent to the southwest.

2011 *(City of Ottawa Website)* No significant changes are apparent with respect to the subject site. The neighbouring property to the northeast appears to be undergoing redevelopment with a residential condominium tower.

2019 *(City of Ottawa Website)* No significant changes are apparent with respect to the subject site or the neighbouring properties. The subject site appears as it does today.

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

Geological Maps

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was reviewed as part of this assessment. Based on the available information, the bedrock in the area of the subject site consists of interbedded limestone and dolomite of the Gull River Formation, whereas the surficial geology consists of glacial till plains, with an overburden thickness ranging from approximately 5 m to 10 m.

Topographic Maps

A topographic map was reviewed from the Natural Resources Canada – The Atlas of Canada website as part of this assessment. The topographic map indicates that the general elevation of the subject site is approximately 65 m above sea level. The regional topography in the general area of the subject site slopes down towards the northwest, in the direction of the Ottawa River. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

Physiographic Maps

A physiographic map was reviewed from the Natural Resources Canada – The Atlas of Canada website, as a part of this assessment. According to the publication and mapping information, the subject site is situated within the St. Lawrence Lowlands. According to the description provided: *"The lowlands are plain-like areas that were affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets."* The subject site is specifically located within the Central St. Lawrence Lowland area, which is rarely more than 150 m above sea level.

Water Bodies

No water bodies are present on the subject site. The nearest named water body with respect to the subject site is the Ottawa River, located approximately 200 m to the north.

MECP Water Well Records

A search of the MECPs website for all drilled well records within a 250 m radius of the subject site was conducted as part of this assessment. The search identified twenty-eight (28) well records within the Phase I study area. These records pertain to wells installed between 1948 and 2019 and used for either domestic household or groundwater observation purposes. Based on the availability of municipal services, no drinking water wells are expected to be in use within the Phase I study area. According to the well records, the overburden stratigraphy in the area of the subject site generally consists of brown sand and gravel underlain by grey silty sand and gravel. Bedrock, consisting of shale and limestone, was typically encountered at an average depth of approximately 8 m below ground surface. Copies of the aforementioned well records have been included in Appendix 2.

5.0 PERSONAL INTERVIEWS

Mr. Giuseppe Lima, the current property owner, was available at the time of the site inspection to respond to questioning. According to Mr. Lima, the subject building was constructed sometime in the early 1980's and originally operated as a Harvey's fast-food restaurant. Mr. Lima stated that he purchased the subject property circa 2000 and has utilized the subject building as a denture care centre ever since. Mr. Lima also stated that, upon purchasing the subject property, the entire interior of the subject building was renovated and remodeled into its current configuration. Mr. Lima was unaware of any potential environmental concerns associated with the subject site.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

An inspection was conducted for the subject site on February 22, 2021, between 2:00 PM and 3:00 PM. Weather conditions were cloudy, with a temperature of approximately -5°C. Mr. Nick Sullivan, from the Environmental Department of Paterson Group, conducted the inspection. In addition to the subject site, the uses of neighbouring properties within the Phase I study area were also assessed at the time of the site inspection.

6.2 Site Inspection Observations

Site Description

The subject site is currently occupied with a one (1) storey office building, located in the western portion of the property and surrounded entirely by asphaltic concrete parking areas and laneways. The site topography is relatively flat, whereas the regional topography appears to slope down to the northwest, in the general direction of the Ottawa River. The subject site is considered to be at grade with respect to Richmond Road and the adjacent properties.

Water drainage on the subject site occurs primarily via sheet flow towards catch basins located along Richmond Road. No ponded water, stressed vegetation, surficial staining, or any other indications of potential sub-surface contamination were observed on the subject site at time of the site inspection.

A depiction of the subject site is illustrated on Drawing PE5190-1 – Site Plan, in the Figures section of this report.

Existing Buildings and Structures

The subject site is currently occupied with a one (1) storey, slab-on-grade style office building, currently utilized as a denture care centre. Built sometime in the early-1980's, the building is finished on the exterior with brick and metal siding, as well as a flat tar-and-gravel style roof. The building is currently heated via a natural gas-fired rooftop HVAC unit.

Potential Environmental Concerns

- **Fuels and Chemical Storage**

  No chemical storage areas, vent and fill pipes, above ground storage tanks (ASTs), or signs of underground storage tanks (USTs) were observed on the exterior of the subject site at the time of the site inspection.

- **Hazardous Materials and Unidentified Substances**

  No hazardous materials, unidentified substances, spills, surficial staining, abnormal odours, or indications of potential sub-surface contamination were observed on the exterior of the subject site at the time of the site inspection.

- **Transformer Oil and Polychlorinated Biphenyls (PCBs)**

  No potential sources of PCBs were identified on the exterior of the subject site at the time of the site inspection.

- **Waste Management**

  Solid, non-hazardous domestic waste and recyclable products are stored in metal bins at the rear (north) of the subject site and are collected by a licensed contractor on a regular basis. No environmental concerns were identified with respect to waste management practices on the subject site.

Interior Assessment

A general description of the interior of the subject building is as follows:

- The floors consist of ceramic tile and vinyl tiles;
- The walls consist of drywall and concrete block;
- The ceilings consist of suspended ceiling tiles;
- Lighting throughout the building is provided by incandescent and fluorescent light fixtures.

Potentially Hazardous Building Products

- **Asbestos-Containing Materials (ACMs)**

  Based on the age of the subject building (c.1980's), as well as the date of the interior renovation (c.2000), no asbestos containing building materials are expected to be present within the structure.

- **Lead-Based Paint**

  Based on the age of the subject building (c.1980's), as well as the date of the interior renovation (c.2000), no lead-based paints are expected to be present within the structure.

- **Polychlorinated Biphenyls (PCBs) and Transformer Oil**

  No potential sources of PCBs were identified within the interior of the subject building at the time of the site inspection.

❒ **Urea Formaldehyde Foam Insulation (UFFI)**

UFFI was not observed at the time of the site inspection, however wall cavities were not inspected for insulation type.

Other Potential Environmental Concerns

❒ **Interior Fuel and Chemical Storage**

No aboveground fuel storage tanks or signs of underground fuel storage tanks were observed within the subject building at the time of the site inspection.

Chemical products stored in the subject building were observed to be limited to domestically available cleaning products, stored in their original containers. No environmental concerns were identified with respect to chemical storage practices within the subject building.

❒ **Ozone Depleting Substances (ODSs)**

Potential sources of ODSs observed on site include fire extinguishers and a refrigerator. These appliances appeared to be in good condition at the time of the site inspection and should be regularly serviced by a licensed contractor.

❒ **Wastewater Discharges**

One (1) floor drain was observed within the rear utility room of the subject building. The water inside the drain was observed to be odourless and colourless at the time of the site inspection. No other floor drains or sump pits were observed in the subject building at the time of the site inspection.

Wastewater from the subject building (wash water and sewage) is discharged into the City of Ottawa sanitary sewer system. Roof drainage is discharged via surface run-off towards catch basins located on Richmond Road, which drain into the City of Ottawa storm water sewer system. No concerns were identified with respect to wastewater discharge on the subject site.

Neighbouring Properties

Land use adjacent to the subject site was observed as follows:

Northeast: Two (2) residential condominium buildings, followed by Cleary Avenue and a commercial retail strip mall;

Southeast: Richmond Road, followed by parkland, Byron Avenue, and low-rise residential apartment buildings;

Southwest: An auto service garage, followed by a restaurant building;

Northwest: Cleary Avenue, followed by a retirement home.

Based on its close proximity, the neighbouring auto service garage to the southwest of the subject site (801 Richmond Road), is considered to represent an APEC with respect to the subject site.

Current land use adjacent to the subject site is illustrated on Drawing PE5190-2 – Surrounding Land Use Plan, appended to this report.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

The following table indicates the current and past uses of the subject site dating back to the first developed use of the property:

Table 5: Land Use History

Year	Name of Owner	Description of Property Use	Observations from Historical Sources
LOT 26			
Prior to 1872	Mary Ann Barrie	Unknown	No available observations.
1872-1883	Mary Conrey	Unknown	
1883-1911	Daniel Cleary	Unknown	
1911-1922	George M. Mason Ltd.	Unknown	
1922-1924	Albert Leafloor	Unknown	
1924-1931	Mary E. Davidson & F. W. Davidson	Unknown	
LOT 27			
Prior to 1873	Andrew Pritchard	Unknown	No available observations.
1873-1883	Archibald McKellar	Unknown	
1883-1894	E. Honeywell	Unknown	
1894-1904	John Hutton	Unknown	
1904-1910	Thomas Watters	Unknown	
1910-1923	Mary E. Davidson	Unknown	
1923-1931	Mary E. Davidson & F. W. Davidson	Unknown	
LOTS 26 & 27			
1931-1931	James E. Taggart	Unknown	No available observations.
1931-1939	Moses F. Ralph	Unknown	
1939-1939	Harold Taggart	Unknown	
1939-1946	Albert Congdon	Unknown	
1946-1954	Albert E. Moore & Barbara Moore	Residential	The 1945 aerial photograph shows the site as occupied with a residential dwelling.
1954-1957	John F. Young	Residential	The 1956 FIP and 1958 aerial photograph show the subject site as occupied with two (2) residential dwellings.
1957-1962	Albertus Graffner	Residential	
1962-1963	Lloyd Stafford	Residential	
1963-1963	Albertus Graffner	Residential	
1963-1963	Harvey Drive-In Limited	Commercial (Fast Food Restaurant)	The 1965-2019 aerial photographs show the subject site as occupied with a commercial building.
1963-2000	Harvey Drive-In Limited		
2000-2000	Cara Operations Limited		
2000-2001	1195483 Ontario Limited		
2001-Present	Dentech Holdings Inc.	Commercial (Denture Care Centre)	

Potentially Contaminating Activities (PCAs)

Based on the findings of this Phase I ESA, three (3) potentially contaminating activities (PCAs), resulting in areas of potential environmental concern (APECs), were identified as pertaining to the subject site. These APECs include:

- A former retail fuel outlet/auto service garage, located adjacent to the northeast of the subject site (75 Cleary Avenue);
- A former coal storage shed, located adjacent to the southwest of the subject site (801 Richmond Road);
- An existing auto service garage, adjacent to the southwest of the subject site (801 Richmond Road);

Other off-site PCAs were identified within the Phase I study area but were deemed not to be of any environmental concern to the subject site based on their separation distances as well as their down-gradient or cross-gradient orientation.

Areas of Potential Environmental Concern (APECs)

The areas of potential environmental concern identified in this Phase I ESA are summarized below in Table 5:

Table 5
Areas of Potential Environmental Concern

APEC	Location of APEC	PCA (O. Reg. 153/04 – Table 2)	Location of PCA	Contaminants of Potential Concern	Media Potentially Impacted
APEC #1 Former Retail Fuel Outlet/Auto Service Garage	Northeastern Portion of Subject Site	*"Item 28: Gasoline and Associated Products Storage in Fixed Tanks"* *"Item 52: Storage, Maintenance, Fuelling, and Repair of Equipment, Vehicles, and Material Used to Maintain Transportation Systems"*	Adjacent Northeast	BTEX PHCs (F_1-F_4)	Soil and/or Groundwater
APEC #2 Former Coal Storage Shed	Southwestern Portion of Subject Site	*"No Item Number"*	Adjacent Southwest	PHCs (F_1-F_4) PAHs	Soil and/or Groundwater
APEC #3 Existing Auto Service Garage	Southwestern Portion of Subject Site	*"Item 52: Storage, Maintenance, Fuelling, and Repair of Equipment, Vehicles, and Material Used to Maintain Transportation Systems"*	Adjacent Southwest	BTEX PHCs (F_1-F_4)	Soil and/or Groundwater

Contaminants of Potential Concern (CPCs)

The contaminants of potential concern (CPCs) associated with the aforementioned APECs are considered to be:

- Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX);
- Petroleum Hydrocarbons, fractions 1 - 4 (PHCs F_1-F_4);
- Polycyclic Aromatic Hydrocarbons (PAHs).

These CPCs have the potential to be present in the soil matrix and/or the groundwater situated beneath the subject site.

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

Based on the available information, the bedrock in the area of the subject site consists of interbedded limestone and dolomite of the Gull River Formation, whereas the surficial geology consists of glacial till plains, with an overburden thickness ranging from approximately 5 m to 10 m. Groundwater is anticipated to be encountered within the overburden and flow in a northwesterly direction.

Water Bodies and Areas of Natural Significance

No water bodies or areas of natural significance are present on the subject site. The nearest named water body with respect to the subject site is the Ottawa River, located approximately 200 m to the north.

Existing Buildings and Structures

The subject site is currently occupied with a one (1) storey denture care office.

Drinking Water Wells

Based on the availability of municipal services, no drinking water wells are expected to be present within the Phase I study area.

Neighbouring Land Use

Neighbouring land use within the Phase I study area consists mainly of residential, commercial, and institutional properties.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1, three (3) potentially contaminating activities (PCAs), resulting in areas of potential environmental concern (APECs), were identified as pertaining to the subject site. These APECs include:

- A former retail fuel outlet/auto service garage, located adjacent to the northeast of the subject site (75 Cleary Avenue);
- A former coal storage shed, located adjacent to the southwest of the subject site (801 Richmond Road);
- An existing auto service garage, adjacent to the southwest of the subject site (801 Richmond Road);

Other off-site PCAs were identified within the Phase I study area but were deemed not to be of any environmental concern to the subject site based on their separation distances as well as their down-gradient or cross-gradient orientation.

Contaminants of Potential Concern

The contaminants of potential concern (CPCs) associated with the aforementioned APECs are considered to be:

- Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX);
- Petroleum Hydrocarbons, fractions 1 - 4 (PHCs F_1-F_4);
- Polycyclic Aromatic Hydrocarbons (PAHs).

These CPCs have the potential to be present in the soil matrix and/or the groundwater situated beneath the subject site.

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 PCAs and APECs associated with the subject site.

The presence of these PCAs was confirmed by a variety of independent sources, 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

8.1 Assessment

Paterson Group was commissioned by Dentech Holdings Inc. to conduct a Phase I – Environmental Site Assessment (Phase I ESA) for the property addressed 797 Richmond Road, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the subject site and study area as well as to identify any environmental concerns with the potential to have impacted the subject site.

According to the historical research, the subject site was first developed for residential purposes sometime prior to 1945. The subject site was later redeveloped for commercial purposes sometime in the 1960's, and again in the 1980's with the existing commercial office building. No environmental concerns were identified with respect to the historical use of the subject site.

The neighbouring lands in the vicinity of the subject site have historically been developed predominantly for residential purposes, with the exception of several commercial properties developed along Richmond Road. The property addressed 75 Cleary Avenue (formerly 793 Richmond Road), located adjacent to the northeast of the subject site, was formerly occupied with a retail fuel outlet/auto service garage. The property addressed 801 Richmond Road (formerly 805 Richmond Road), located adjacent to the southwest of the subject site, was formerly occupied with a coal storage shed. Due to their close proximity, these properties are considered to represent APECs with respect to the subject site.

Following the historical review, a site inspection was conducted to assess the present-day environmental conditions of the subject site. The subject stie is currently occupied with a one (1) storey denture care centre. No environmental concerns were identified with respect to the current use of the subject site.

The neighbouring lands within the vicinity of the subject site were generally observed to be used for residential and/or commercial purposes. The property addressed 801 Richmond Road, located adjacent to the southwest of the subject site, is currently occupied with an auto service garage. Due to its close proximity, this property is considered to represent an APEC with respect to the subject site.

8.2 Recommendations

Based on the findings of this assessment, it is our opinion that **a Phase II - Environmental Site Assessment will be required for the subject site.**

Hazardous Substances

If the subject building is to be demolished in the near future, then a designated substance survey (DSS) will be required prior to its demolition.

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 Dentech Holdings Inc. Permission and notification from Dentech Holdings Inc. and Paterson Group will be required prior to the release of this report to any other party.

Paterson Group Inc.

Nick Sullivan, B.Sc.

Mark S. D'Arcy, P.Eng., QP$_{ESA}$

Report Distribution:

- Dentech Holdings Inc.
- Paterson Group Inc.

10.0 REFERENCES

Federal Records

- ❒ Natural Resources Canada: Air Photo Library.
- ❒ Natural Resources Canada: The Atlas of Canada.
- ❒ Geological Survey of Canada: Surficial and Subsurface Mapping.
- ❒ Environment Canada: National Pollutant Release Inventory.
- ❒ National PCB Waste Storage Site Inventory.
- ❒ National Archives of Canada.

Provincial Records

- ❒ MECP: Freedom of Information and Privacy Office.
- ❒ MECP: Municipal Coal Gasification Plant Site Inventory, 1991.
- ❒ MECP: Waste Disposal Site Inventory, 1991.
- ❒ 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: eMap website.
- ❒ City of Ottawa: Historical Land Use Inventory Database
- ❒ City of Ottawa: document entitled, "Old Landfill Management Strategy, Phase I – Identification of Sites", prepared by Golder Associates, 2004.

Local Information Sources

- ❒ Personal Interviews.

Public Information Sources

- ❒ ERIS Database Report.
- ❒ Chain of Title.
- ❒ Google Earth.
- ❒ Google Maps/Street View.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE5190-1 – SITE PLAN

DRAWING PE5190-2 – SURROUNDING LAND USE PLAN

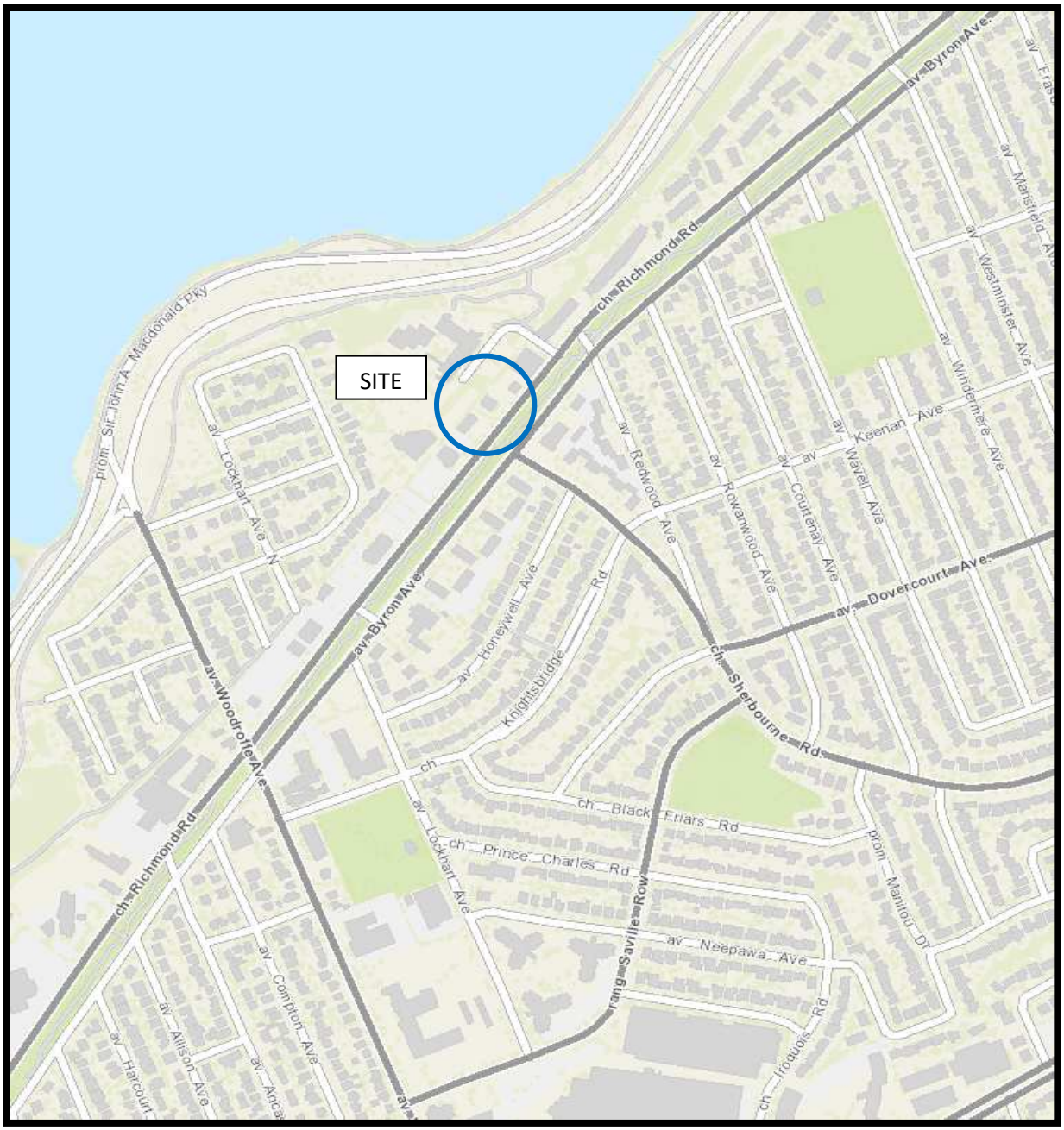


FIGURE 1

KEY PLAN

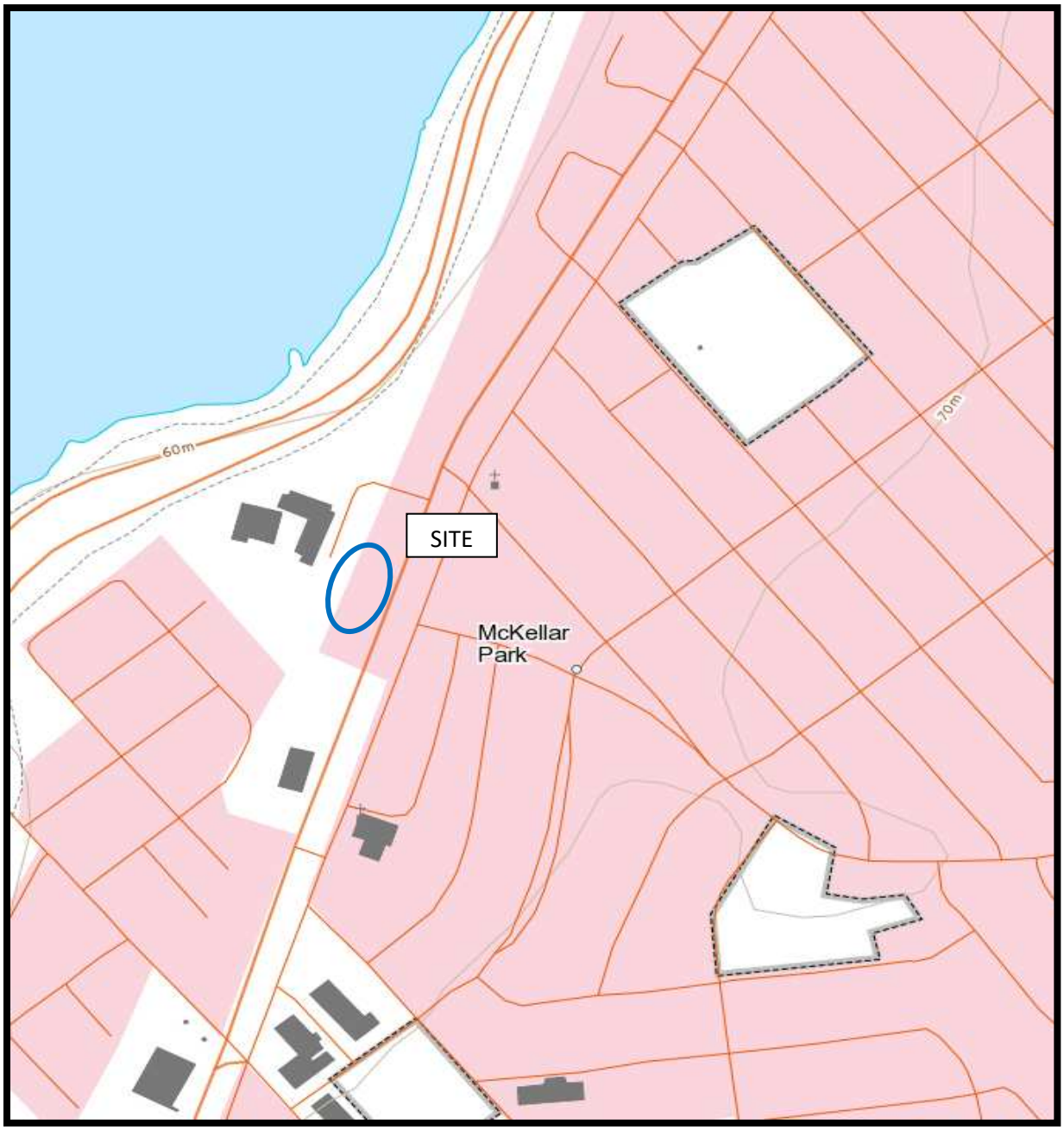


FIGURE 2

TOPOGRAPHIC MAP

75 CLEARY AVENUE
RESIDENTIAL CONDOMINIUM COMPLEX

25 CLEARY AVENUE
ASPHALTIC CONCRETE PARKING LOT

WATER STORAGE AREA

ASPHALTIC CONCRETE PARKING LOT

LANDSCAPED

NATURAL GAS CONNECTION

APEC 1

797 RICHMOND ROAD
ONE-STOREY DENTURE CARE CENTRE

APEC 3

APEC 2

LANDSCAPED

ASPHALTIC CONCRETE PARKING LOT

30 CLEARY AVENUE
GRAVEL PARKING LOT

801 RICHMOND ROAD
DAVE RENNIE'S AUTOCARE

RICHMOND ROAD

BYRON LINEAR PARK

BYRON AVENUE

AREAS OF POTENTIAL ENVIRONMENTAL CONCERN:

1) 75 CLEARY AVENUE - FORMER OFF-SITE RETAIL FUEL OUTLET.
2) 801 RICHMOND ROAD - FORMER COAL STORAGE SHED.
3) 801 RICHMOND ROAD - EXISTING OFF-SITE AUTO SERVICE GARAGE

patersongroup
consulting engineers

154 Colonnade Road South
Ottawa, Ontario K2E 7J5
Tel: (613) 226-7381 Fax: (613) 226-6344

NO.	REVISIONS	DATE	INITIAL

DENTECH HOLDINGS INC.

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
797 RICHMOND ROAD

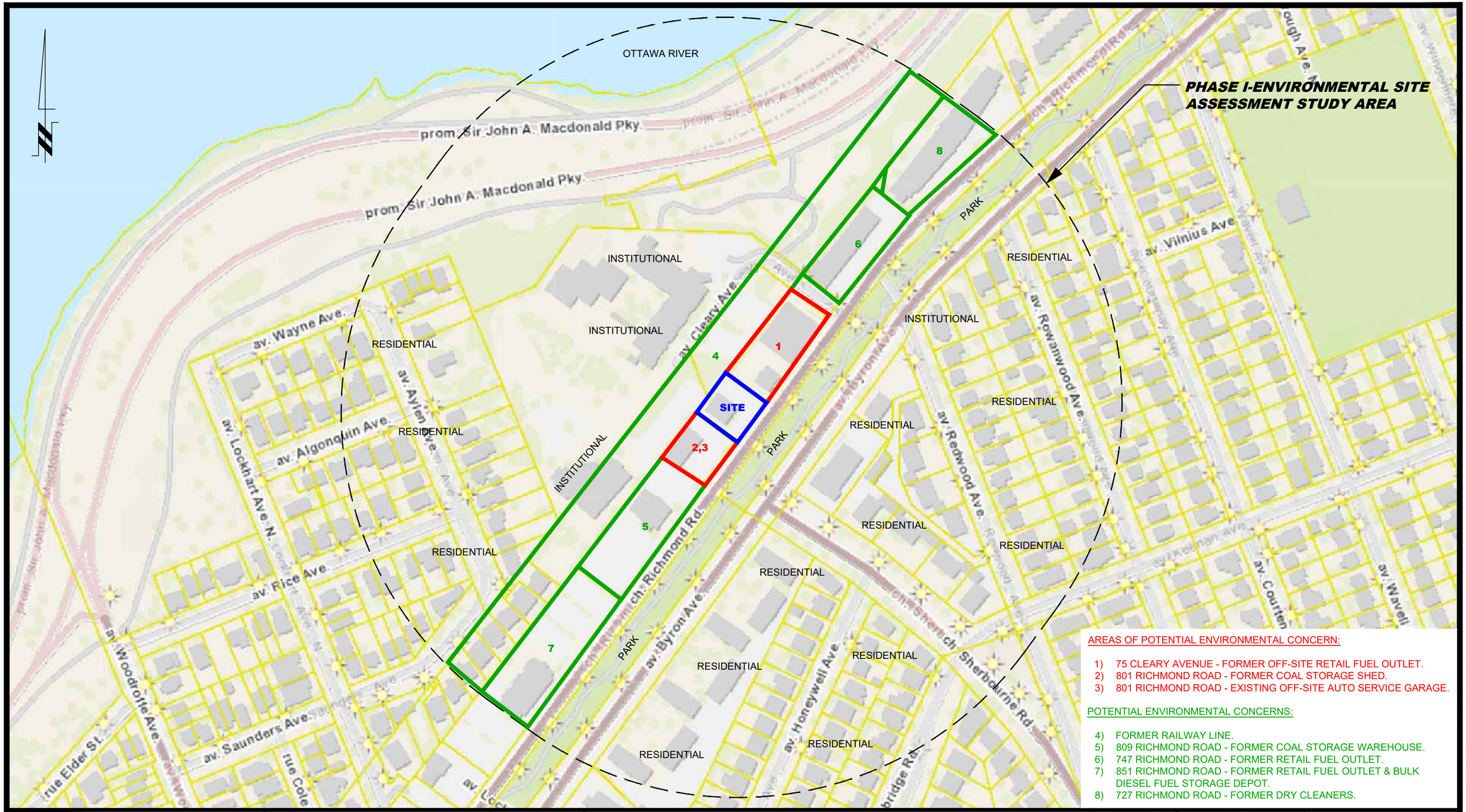
OTTAWA, ONTARIO

Title:

SITE PLAN

Scale: 1:250	**Date:** 02/2021
Drawn by: JM	**Report No.:** PE5190-1
Checked by: NS	**Dwg No.:** PE5190-1
Approved by: MSD	**Revision No.:**

p:\autocad drawings\environmental\pe51xx\pe5190\pe5190-1-site plan.dwg



AREAS OF POTENTIAL ENVIRONMENTAL CONCERN:

1) 75 CLEARY AVENUE - FORMER OFF-SITE RETAIL FUEL OUTLET.
2) 801 RICHMOND ROAD - FORMER COAL STORAGE SHED.
3) 801 RICHMOND ROAD - EXISTING OFF-SITE AUTO SERVICE GARAGE.

POTENTIAL ENVIRONMENTAL CONCERNS:

4) FORMER RAILWAY LINE.
5) 809 RICHMOND ROAD - FORMER COAL STORAGE WAREHOUSE.
6) 747 RICHMOND ROAD - FORMER RETAIL FUEL OUTLET.
7) 851 RICHMOND ROAD - FORMER RETAIL FUEL OUTLET & BULK DIESEL FUEL STORAGE DEPOT.
8) 727 RICHMOND ROAD - FORMER DRY CLEANERS.

patersongroup
consulting engineers

154 Colonnade Road South
Ottawa, Ontario K2E 7J5
Tel: (613) 226-7381 Fax: (613) 226-6344

NO.	REVISIONS	DATE	INITIAL

DENTECH HOLDINGS INC.

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
797 RICHMOND ROAD

OTTAWA, ONTARIO

Title:

SURROUNDING LAND USE PLAN

Scale: 1:2500	Date: 02/2021
Drawn by: JM	Report No.: PE5190-1
Checked by: NS	Dwg No.: PE5190-2
Approved by: MSD	Revision No.:

p:\autocad drawings\environmental\pe51xx\pe5190\pe5190-2-surrounding land use plan.dwg

APPENDIX 1

CHAIN OF TITLE

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS

READ Abstracts Limited
331 Cooper Street, Suite 300, Ottawa, Ontario K2P 0A4
Email: search@readsearch.com
Tel.: 613-236-0664
Fax: 613-236-3677

ENVIRONMENTAL SEARCH

Patersongroup
Attn: Nick Sullivan

BRIEF DESCRIPTION OF LAND:

797 Richmond Rd., Ottawa
Part of Lots 26 and 27, Concession 1 OF Nepean.

PIN: 04751-0116

LAST REGISTERED OWNER: Dentech Holdings Inc.

CHAIN OF TITLE:

Lot 26

Deed NP1202 regsitered Apr 30, 1872
From Mary Ann Barrie to Mary Conrey

DeedNP1956 registered ??, 1883
From Mary Conrey to Daniel Cleary

Deed NP24302 registered May 4, 1911
From Daniel Cleary to George M. Mason Ltd.

Deed NP35338 registered Mar 3, 1922
From trustees of George M. Mason Ltd. to Albert Leafloor

Deed NP38012 registered Sep 17, 1924
From Albert Leafloor to Mary E. Davidson and F. W. Davidson

Lot 27

Deed NP2257 registered Mar 20, 1873

From Andrew Pritchard to Archibald McKellar

Deed NP10633 registered Nov 4, 1883
From Archibald McKellar to E. Honeywell

Deed NP16657 registered Sep 17, 1894
From Elkana Honeywell to John Hutton

Deed NP20101 registered Jul 19, 1904
From John Hutton to Thomas Watters

Deed NP23674 registered Jul 20, 1910
From Thomas Watters to Mary E. Davidson

Deed NP63876 registered Sep 4, 1923
From Mary E. Davidson to Mary E. Davidson and F. W. Davidson

Lot 26 and 27

Deed NP42469 registered Feb 12, 1931
From Mary E. Howden (Davidson)(estate of F. W. Davidson) and William A. Howden to James E. Taggart

Deed NP42701 registered Jun 29, 1931
From James E. Taggart to Moses F. Ralph

Deed NP46599 registered Apr 5, 1939
From estate of James E. Taggart to Harold Taggart

Deed NP46838 registered Jul 25, 1939
From Moses Ralph to Albert Congdon

Deed NP55731 registered Sep 17, 1946
From Harold Taggart to Albert E. Moore and Barbara Moore

Deed CR328533 registered Dec 14, 1954
From Albert J. Congdon to John F. Young

Deed CR329718 registered May 31, 1957
From Albert E. Moore and Barbara Moore to Albertus Graffner

Deed CR445069 registered Jun 22, 1962
From Albertus Graffner to Lloyd Stafford

Deed CR466259 registered Sep 26, 1963

From estate of Lloyd Stafford to Albertus Graffner

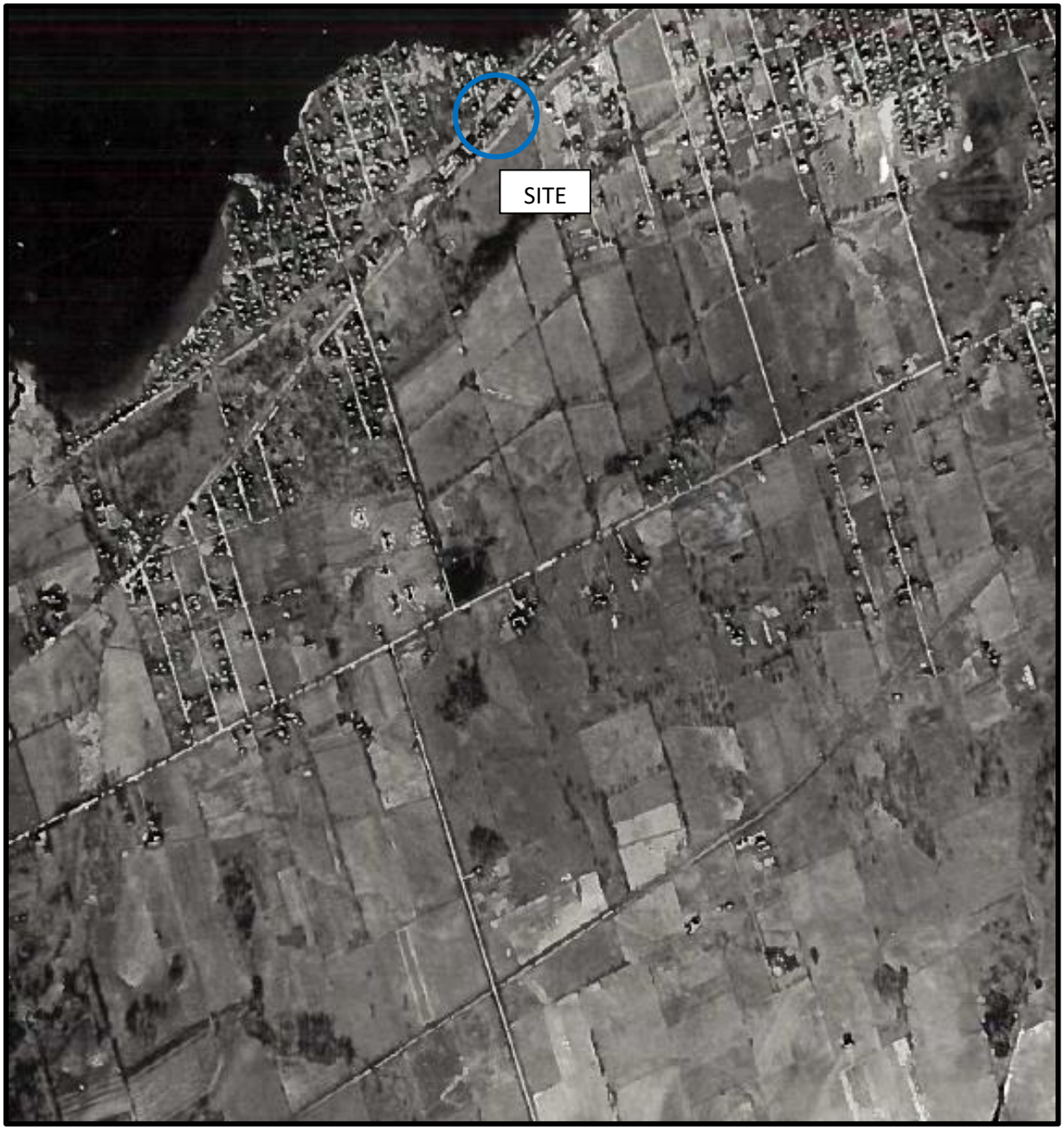
Deed CR469055 registered Nov 19, 1963
From Albertus Graffner to Harvey Drive-in Limited

Deed CR469055 registered Nov 19, 1963
From estate of John F. Young to Harvey Drive-in Limited

Name Change LT1349414 registered Dec 18, 2000
From Harvey Drive-in Limited to Cara Operations Limited

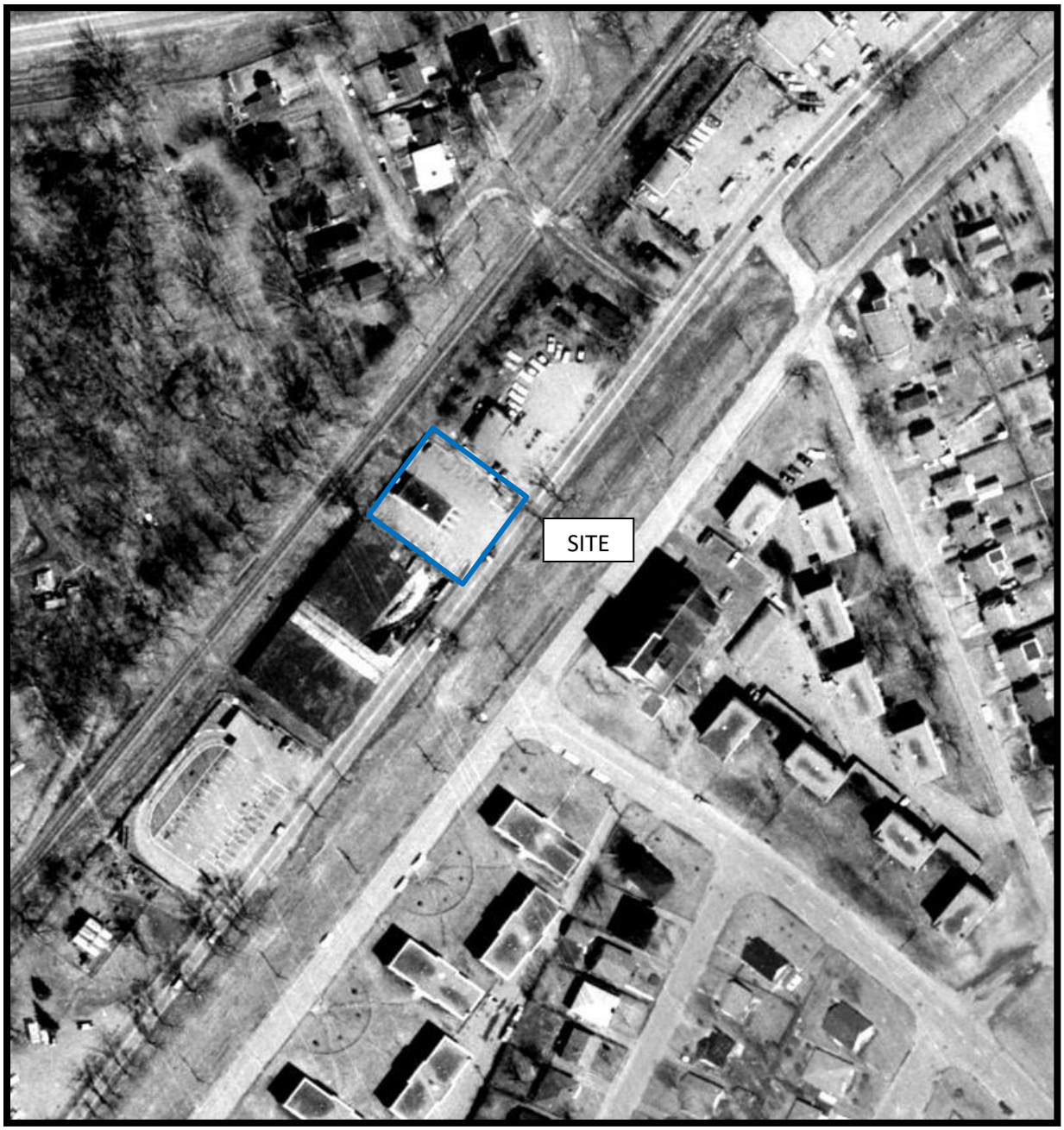
Deed LT1349415 registered Dec 18, 2000
From Cara Operations Limited to 1195483 Ontario Limited

Deed LT1358335 registered Jan 31, 2001
Form 1195483 Ontario Limited to Dentech Holdings Inc.



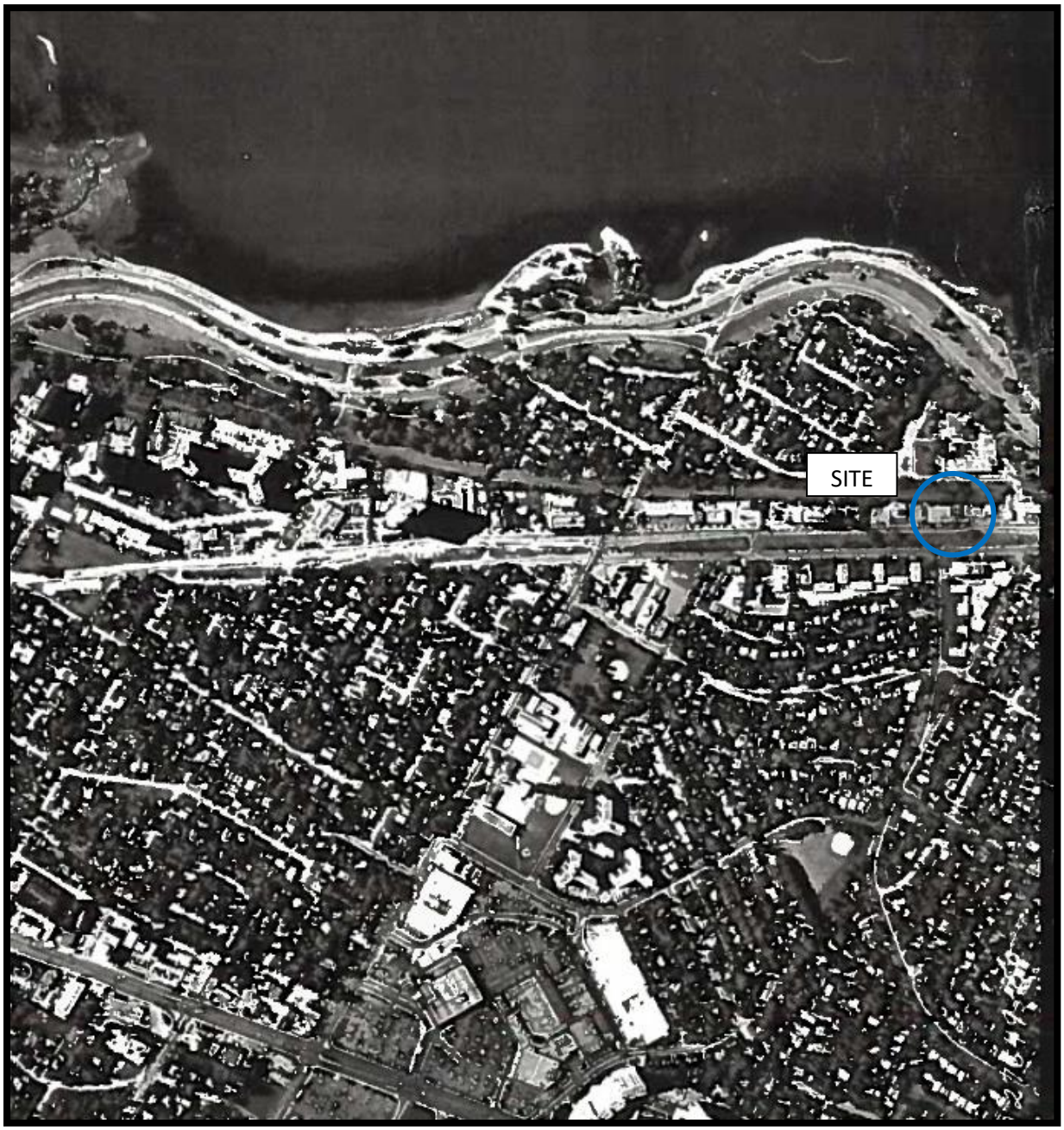
AERIAL PHOTOGRAPH
1945

AERIAL PHOTOGRAPH
1958



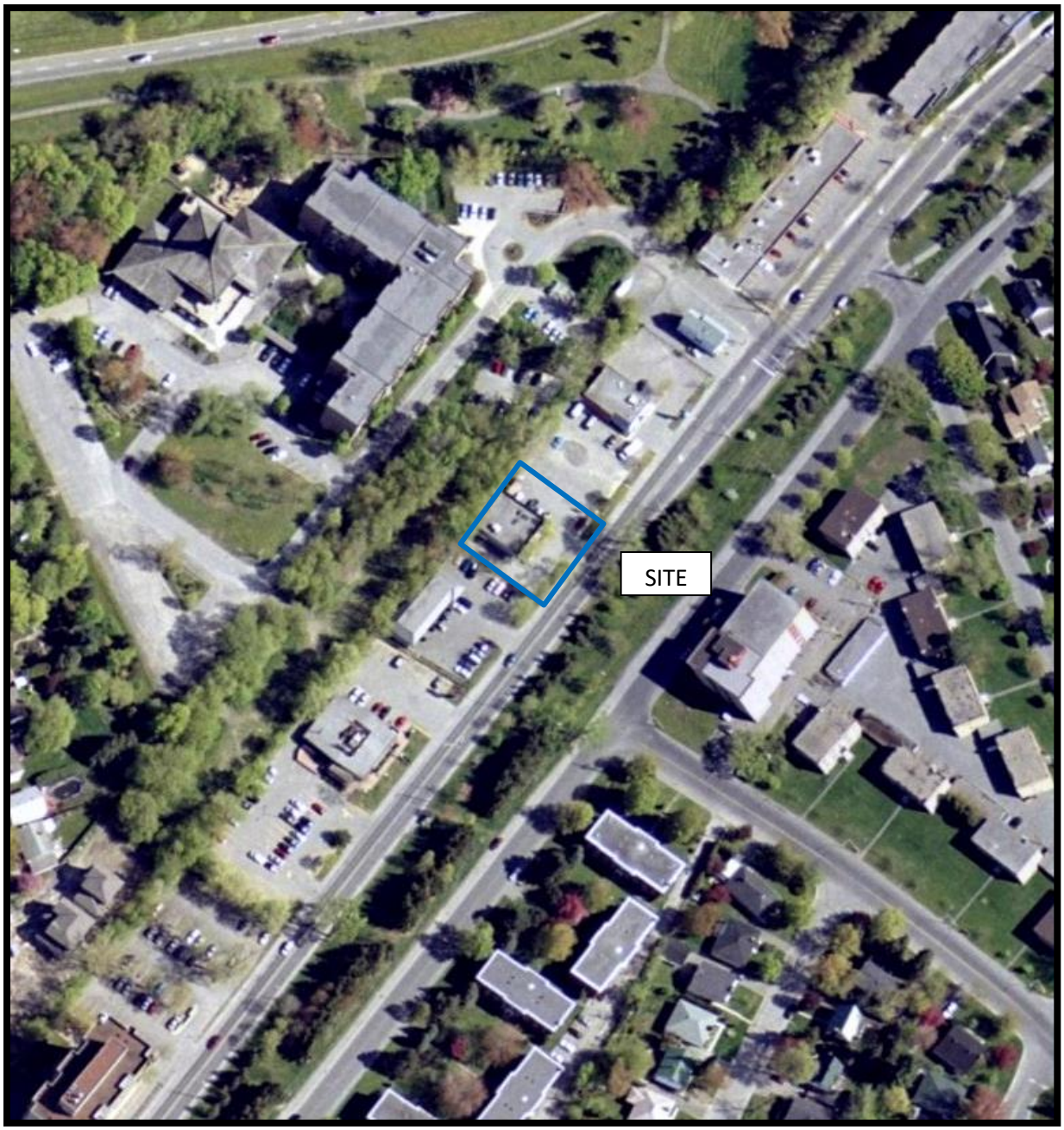
AERIAL PHOTOGRAPH
1965

AERIAL PHOTOGRAPH
1976



AERIAL PHOTOGRAPH
1986

AERIAL PHOTOGRAPH
1994



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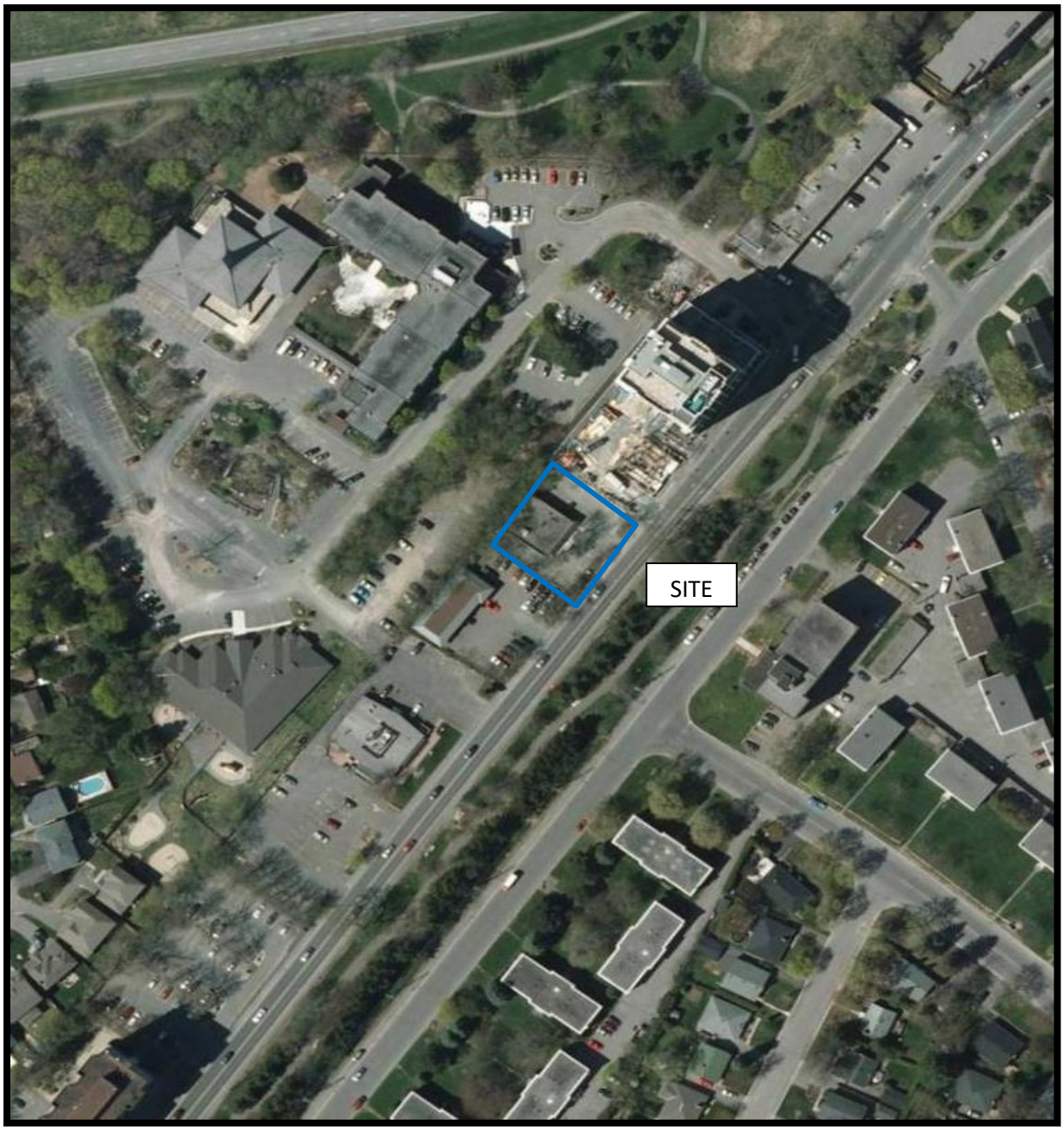
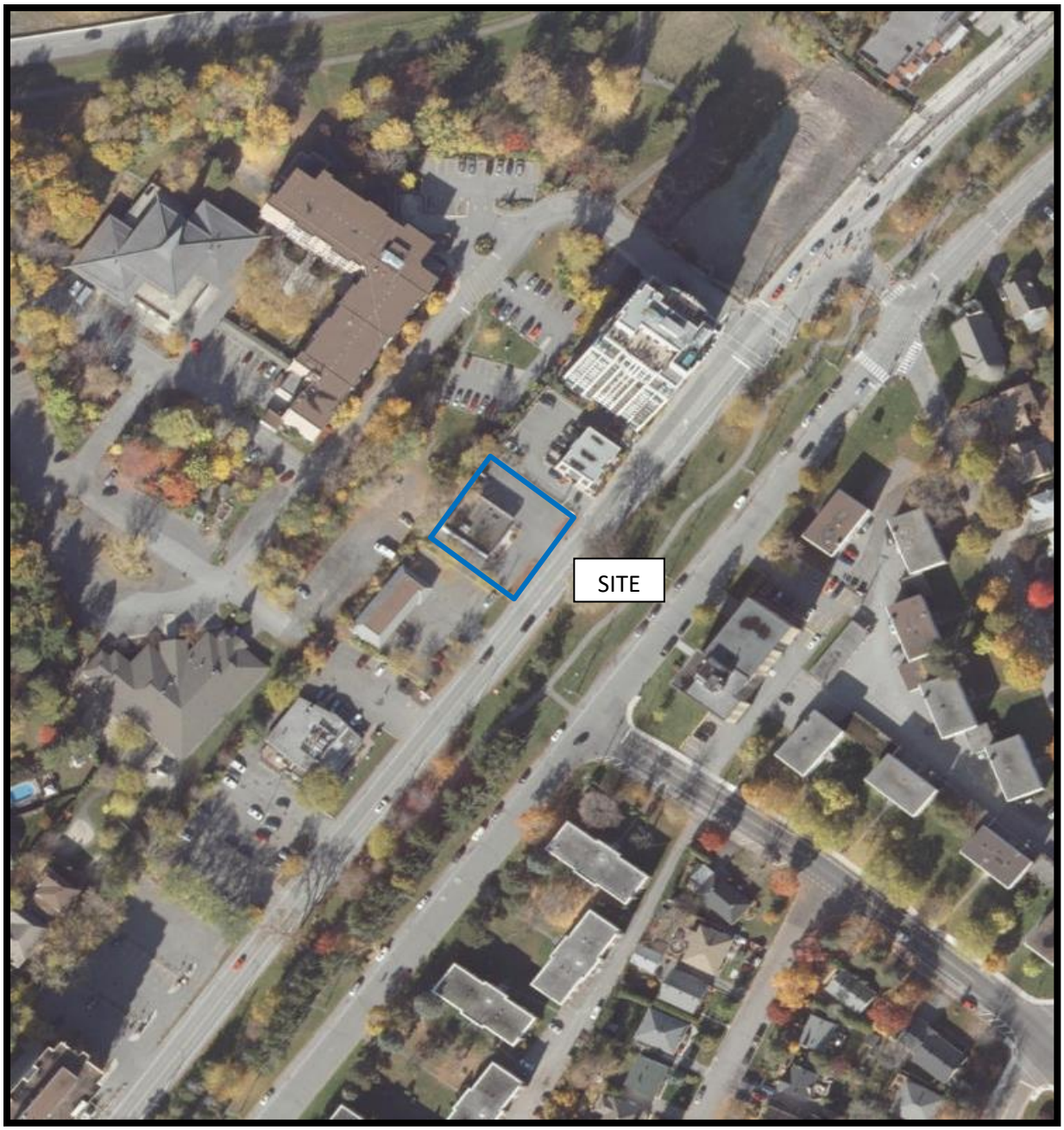


AERIAL PHOTOGRAPH
2011



AERIAL PHOTOGRAPH
2019

Site Photographs

PE5190 797 Richmond Road, Ottawa, Ontario February 22, 2020

Photograph 1: View of the southeastern portion of the subject site, facing north from Richmond Road.

Photograph 2: View of the southwestern portion of the subject site, facing north from Richmond Road.

Photograph 3: View of an interior laboratory space inside the subject building.

Photograph 4: View of an interior office space inside the subject building.

APPENDIX 2

MECP FREEDOM OF INFORMATION SEARCH REQUEST

MECP WATER WELL RECORDS

TSSA CORRESPONDENCE

ERIS DATABASE REPORT

CITY OF OTTAWA HLUI SEARCH RESULTS

Ontario

Ministry of Environment and Energy

Freedom of Information Request

This form is for requesting documents which are in the Ministry's files on environmental concerns related to properties. Please refer to the guide on completion and use of this form. Our fax no. is (416) 314-4285.

Requester Data

Name, Company Name, Mailing Address and Email Address of Requester

Nick Sullivan
Paterson Group Inc.
154 Colonnade Road
Ottawa, ON K2E 7J5
Email address: nsullivan@patersongroup.ca

Telephone/Fax Nos.
Tel. 613-226-7381
Fax 613-226-6344

Your Project/Reference No.
PE5190

Signature/Print /Name of Requester
Nick Sullivan

For Ministry Use Only

FOI Request No.

Date Request Received

Fee Paid

☐ ACCT ☐ CHQ ☐ VISA/MC ☐ CASH

☐ CNR ☐ ER ☐ NOR ☐ SWR ☐ WCR
☐ SAC ☐ IEB ☐ EAA ☐ EMR ☐ SWA

Request Parameters

Municipal Address / Lot, Concession, Geographic Township **(Municipal address essential for cities, towns or regions)**

797 Richmond Road; Part of Lots 26 & 27, Concession 1 (Ottawa Front), Formerly the Township of Nepean, in the City of Ottawa.

Present Property Owner(s) and Date(s) of Ownership

Dentech Holdings Inc.

Previous Property Owner(s) and Date(s) of Ownership

Present/Previous Tenant(s),(if applicable)

Search Parameters

Files older than 2 years may require $60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.

	Specify Year(s) Requested
Environmental concerns (General correspondence, occurrence reports, abatement)	all
Orders	all
Spills	all
Investigations/prosecutions ➤ Owner **AND** tenant information must be provided	all
Waste Generator number/classes	all

Certificates of Approval ➤ Proponent information must be provided

1985 and prior records are searched manually. **Search fees in excess of $300.00** could be incurred, depending on the types and years to be searched. Specify Certificates of Approval number(s) (if known). **If supporting documents are also required, mark SD box** and specify type e.g. maps, plans, reports, etc.

	SD	Specify Year(s) Requested
air - *emissions*		1986-present
water - *mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)*		1986-present
sewage - *sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations*		1986-present
waste water - *industrial discharges*		1986-present
waste sites - *disposal, landfill sites, transfer stations, processing sites, incinerator*sites		1986-present
waste systems - *PCB destruction, mobile waste processing units, haulers: sewage, non-hazardous & hazardous waste*		1986-present
pesticides - *licenses*		1986-present

A $5.00 non-refundable application fee, payable to the Minister of Finance, is mandatory. The cost of locating on-site and/or preparing any record is $30.00/hour and 20 cents/page for photocopying and you will be contacted for approval for fees in excess of $30.00.

UTM 18 Z 439805 E
19 R 5025340 N
Elev. 19 R 02115
Basin 25

61 ASE 306

ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario

15 No 3909

RECEIVED
MAR 23 19
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

Water Well Record

County or District Carleton Tp. Nepean Con. I Lot 27 Pt. Lot
[redacted] Acres 1/4 acre
Price (including pump) $225.00

Pipe and Casing Record

Casing diameter(s) 4
Length(s) of casing(s) 20 ft
Length of screen
Type of screen
Type of pump
Capacity of pump
Depth of pump setting

Pumping Test

Date
Developed Capacity ~~2 Gpm~~
Duration of Test 2 hours
Pumping Rate 500 gal/hour
Drawdown 5 ft
Static level of completed well 9 ft
Is well a gravel-wall type?

Water Record

Kind (fresh or mineral) Fresh
Quality (hard, soft, contains iron, sulphur etc.)
Appearance (clear, cloudy, coloured) clear
For what purpose(s) is the water to be used? Domestic
How far is well from possible source of contamination? 35 ft
What is source of contamination? Septic tank
Enclose a copy of any mineral analysis that has been made of water

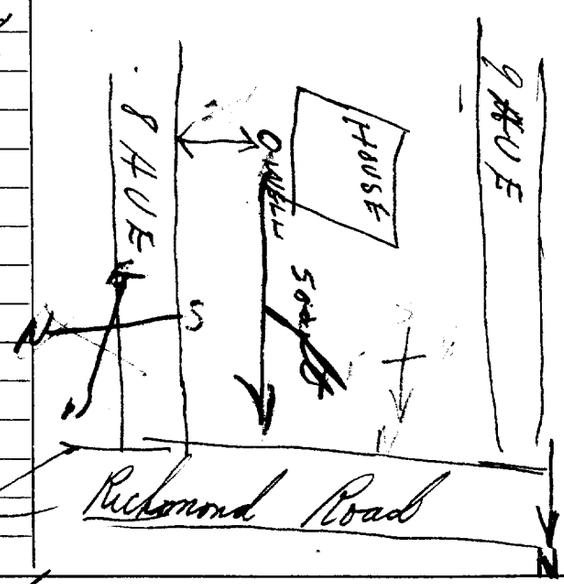
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
90	Fresh	60

Well Log

Drift and Bedrock Record	From	To
40 feet of clay	0 ft.	40 ft.
20 feet of hard pan	40	60
30 feet of Gravel	60	90
Ottawa Limestone		

Location of Well

In diagram below show distances of well from road and lot line



Situation: Is well on upland, in valley, or on hillside? Upland
Drilling Firm Mulligan Bros.
Address Westboro P.O.
Recorded by A.A. Mulligan Address Westboro Ont.
Date Licence Number

Unacceptable.

UTM 18 (2) Z 0 4 3 9 8 3 0 E
19 (3) 5 0 2 5 4 0 0 N
Elev. 19 (4) 0 1 2 1 5 (6)
Basin 25

59

31G5f

15 No 3913 C.

ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario

RECEIVED
MAR 23 1971
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

Water Well Record

County or District Carleton OTTAWA Tp. Nepean Con. I O.F. Lot 27 Pt. Lot

[redacted] 6 Elgin St Acres 1/4 acre

including pump) $225.00

Pipe and Casing Record

Casing diameter(s) 4
Length(s) of casing(s) 20
Length of screen
Type of screen
Type of pump
Capacity of pump
Depth of pump setting

Pumping Test

Date
Developed Capacity
Duration of Test 1-1/2 hour
Pumping Rate 400-450
Drawdown 6-7 ft
Static level of completed well 10 ft
Is well a gravel-wall type?

Water Record

Kind (fresh or mineral) Fresh
Quality (hard, soft, contains iron, sulphur etc.)
Appearance (clear, cloudy, coloured) clear
For what purpose(s) is the water to be used? Domestic
How far is well from possible source of contamination? 35 ft
What is source of contamination? Septic tank
Enclose a copy of any mineral analysis that has been made of water

Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
90	Fresh	80

Well Log

Drift and Bedrock Record	From	To
40 ft of Clay	0 ft.	40 ft.
20 ft of Sandstone	40	60
30 ft of Gravel	60	90

Location of Well

In diagram below show distances of well from road and lot line

Situation: Is well on upland, in valley, or on hillside? Upland
Drilling Firm McColgan Bros
Address Watson Pt. Ont.
Recorded by J. H. McColgan Address Metcalfe Ont.
Date Licence Number

Nepean Twp. 16

UTM 18 (2) 439800 E
9 (3) 5025500 N
Elev. 9 (4) 0215
Basin 25 (6)

60 31G5f

15 No 3914

ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario

RECEIVED
MAR 23 19..
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

Water Well Record

County or District Carleton Tp. OTTAWA Nepean Con. 1 of Lot 27 Pt. Lot

[redacted] Island Rockdale's Acres 1/4 acre

cluding pump) 150.00

Pipe and Casing Record

Casing diameter(s) 4"
Length(s) of casing(s) 22 ft
Length of screen
Type of screen
Type of pump
Capacity of pump
Depth of pump setting

Pumping Test

Date
Developed Capacity
Duration of Test 1 hr
Pumping Rate 25 g - 300 gals
Drawdown 5 ft
Static level of completed well 28 ft
Is well a gravel-wall type?

Water Record

Kind (fresh or mineral) Fresh
Quality (hard, soft, contains iron, sulphur etc.)
Appearance (clear, cloudy, coloured) Clear
For what purpose(s) is the water to be used? Domestic
How far is well from possible source of contamination? 30 ft
What is source of contamination? Septic Tank
Enclose a copy of any mineral analysis that has been made of water

Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
95'	Fresh	50
		62

Well Log

Drift and Bedrock Record	From	To
60 ft Clay	0 ft.	60 ft.
15 ft sandy pan	50	65
15 ft Clay	65	80
15 ft gravel	80	95

Location of Well

In diagram below show distances of well from road and lot line

Situation: Is well on upland, in valley, or on hillside? upland
Drilling Firm J. Mulligan Bros.
Address Westboro P.O. Ont.
Recorded by J. J. Mulligan Address Westboro Ont.
Date Licence Number

township?

UTM 18 (1) (2) 439800 E
19 R (3) 5025460 N
Elev. 19 R (4) 92 10
Basin 25 (5) (6)

Post date Completed
Township

Municipality 62

ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario

15 No 3915

RECEIVED
MAR 23 19[illegible]
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

OTTAWA

Water Well Record

County or District Carleton Tp [illegible] Con. [illegible] Lot 27 Pt. Lot
[redacted] Elgin St Acres 1/4
luding pump) $225.00

Pipe and Casing Record

Casing diameter(s) 4"
Length(s) of casing(s) 20 ft
Length of screen
Type of screen
Type of pump
Capacity of pump
Depth of pump setting

Pumping Test

Date
Developed Capacity
Duration of Test 1 hour
Pumping Rate 1½ hour
Drawdown 7-8 ft
Static level of completed well 12 ft
Is well a gravel-wall type?

Water Record

Kind (fresh or mineral) Fresh
Quality (hard, soft, contains iron, sulphur etc.)
Appearance (clear, cloudy, coloured) Clear
For what purpose(s) is the water to be used? Domestic
How far is well from possible source of contamination? 20 ft
What is source of contamination? Septic tank
Enclose a copy of any mineral analysis that has been made of water

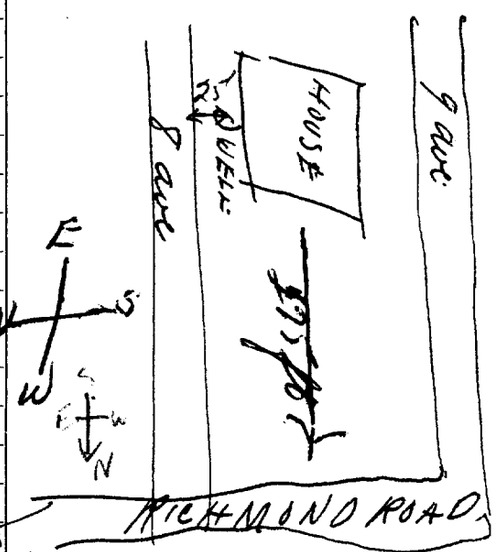
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
60	Fresh	45

Well Log

Drift and Bedrock Record	From	To
40 ft of clay	0/ ft.	40 ft.
20 ft solid pan	40	60
30 ft gravel	60	~~90~~ 90
		OTTAWA

Location of Well

In diagram below show distances of well from road and **lot** line



Situation: Is well on upland, in valley, or on hillside? upland
Drilling Firm Mulligan Bros
Address Westboro P.R.#1 Ont.
Recorded by L.B. Mulligan Address Westboro
Date Licence Number

UTM 18 (0) (2) 439810 E
(3) 5025461 0 N
Elev. (6) 0210
Basin 25

63 31G5f

ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario

15 No 3916 C.

RECEIVED
MAR 23 19[illegible]
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

Water Well Record

County or District Carleton Tp. Nepean Con. or Lot 27 Pt. Lot OTTAWA

[redacted] Elgin St. Acres 1/4 acre

cluding pump) $225.00

Pipe and Casing Record

Casing diameter(s) 4"
Length(s) of casing(s) 20 ft
Length of screen
Type of screen
Type of pump
Capacity of pump
Depth of pump setting

Pumping Test

Date
Developed Capacity
Duration of Test 1½ hours
Pumping Rate 400 - 500 galls
Drawdown 7 ft
Static level of completed well 10 ft
Is well a gravel-wall type?

Water Record

Kind (fresh or mineral) Fresh
Quality (hard, soft, contains iron, sulphur etc.)
Appearance (clear, cloudy, coloured) clear
For what purpose(s) is the water to be used? Domestic
How far is well from possible source of contamination? 35 ft
What is source of contamination? Septic Tank
Enclose a copy of any mineral analysis that has been made of water

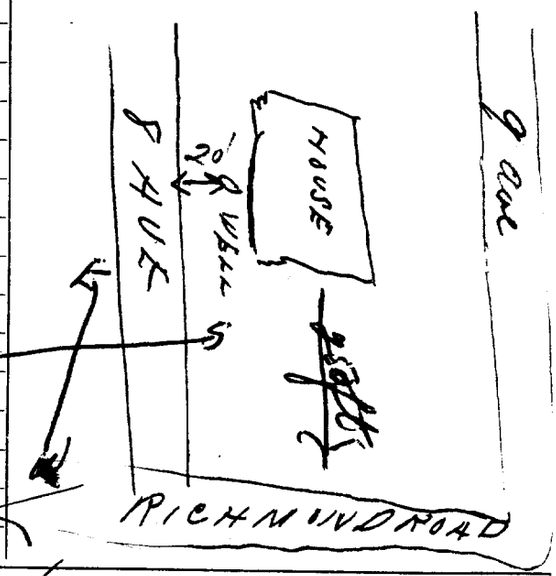
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
96'	Fresh	20'

Well Log

Drift and Bedrock Record	From	To
40 ft of Clay	0 ft.	40 ft.
20 ft of sandy sand	40	60
30 ft of gravel	60	90

Location of Well

In diagram below show distances of well from road and lot line



Situation: Is well on upland, in valley, or on hillside? Upland

Drilling Firm J.H. Mulligan Bros

Address Westboro P.O. #1 Ont.

Recorded by J.H. Mulligan Address Westboro

Date Licence Number

UTM | 18 Z | 4 3 9 8 1 0 E | 9 R | 5 0 2 5 4 1 0 N

Elev. | 9 R | 0 2 1 0

Basin | 2 5 |

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The Well Drillers Act

Department of Mines, Province of Ontario

15 No 3917

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MAR 23 19[illegible]
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

Water Well Record

County or District Carleton Tp. Nepean OTTAWA Con. 1 OF. Lot 27 Pt. Lot

[redacted] Island Lake Acres 1/4 acre

Price (including pump) $250.00

Pipe and Casing Record

Casing diameter(s) 4"

Length(s) of casing(s) 20 ft

Length of screen

Type of screen

Type of pump

Capacity of pump

Depth of pump setting

Pumping Test

Date

Developed Capacity

Duration of Test 1 to 1½ hours

Pumping Rate 350 to 400 gals hour

Drawdown 2 ft

Static level of completed well 6 ft

Is well a gravel-wall type?

Water Record

Kind (fresh or mineral) Fresh

Quality (hard, soft, contains iron, sulphur etc.)

Appearance (clear, cloudy, coloured) clear

For what purpose(s) is the water to be used? Domestic

How far is well from possible source of contamination? 75

What is source of contamination? Septic Tank

Enclose a copy of any mineral analysis that has been made of water

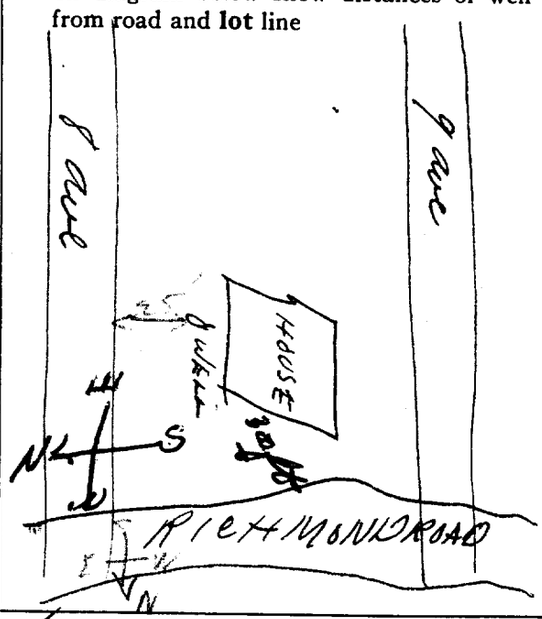
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
90	Fresh	64

Well Log

Drift and Bedrock Record	From	To
50' clay	0/ ft.	50 ft.
15 ft of hard pan	50	65
15 ft of clay	65	80
15 ft of gravel	80	95

Location of Well

In diagram below show distances of well from road and **lot** line



Situation: Is well on upland, in valley, or on hillside? Upland

Drilling Firm McGuigan Bros

Address Westboro P.O. Ont

Recorded by A. P. McGuigan Address Westboro Ont

Date Licence Number

UTM 18 Z 4319811 E
19 R 5025144 N
Elev. 19 R 0211 01
Basin 215

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The Well Drillers Act

Department of Mines, Province of Ontario

31G5f

15 No 3918

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MAR 23 1971
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

Water Well Record

County or District Carleton Tp. OTTAWA Con. I of 27 Lot Pt. Lot

[redacted] Island Park Drive Acres ¼ acre

Depth (including pump) 250 ft

Pipe and Casing Record

Casing diameter(s) 4"
Length(s) of casing(s) 20 ft
Length of screen
Type of screen
Type of pump
Capacity of pump
Depth of pump setting

Pumping Test

Date
Developed Capacity
Duration of Test 1 to ½ hr
Pumping Rate 400 gpm
Drawdown 8 ft
Static level of completed well 6 ft
Is well a gravel-wall type?

Water Record

Kind (fresh or mineral) Fresh
Quality (hard, soft, contains iron, sulphur etc.)
Appearance (clear, cloudy, coloured) Clear
For what purpose(s) is the water to be used? Domestic
How far is well from possible source of contamination? 35 ft
What is source of contamination? Septic Tank
Enclose a copy of any mineral analysis that has been made of water

Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
85	Fresh	80

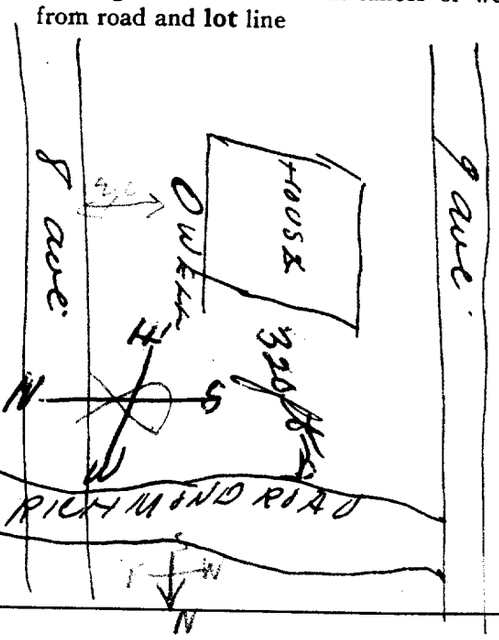
Well Log

Drift and Bedrock Record

From	To
0 ft.	50 ft.
50	65
65	80
80	95

Location of Well

In diagram below show distances of well from road and lot line



Situation: Is well on upland, in valley, or on hillside? upland
Drilling Firm Mulligan Bros
Address Westboro P.O. Ont
Recorded by S.B. Mulligan Address Westboro Ont
Date Licence Number

UTM | 18 | Z | 4 3 9 8 1 0 1 0 | E
| 9 | R | 5 0 1 2 5 3 1 0 1 0 | N
Elev. | 9 | R | 0 2 1 0 5 |
Basin | 2 5 | | | |

ONTARIO

ASE 304

15 No 3931

RECEIVED
DEC 18 1950
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

The Well Drillers Act
Department of Mines, Province of Ontario

Water Well Record

County or Territorial District CARLETON - OTTAWA ~~Bepeau~~ Township, Village, Town or City ~~Ottawa~~

[redacted] Town or City A. Ave Woodroffe

[redacted] VJR Elgin St. Ottawa

Date Completed [illegible] (day) [illegible] (month) [illegible] (year) Cost of Well (excluding pump)

DEC. FOR PUB W/T.

Pipe and Casing Record

Casing diameter(s) 4
Length(s) of casing(s) 100 ft
Type of screen
Length of screen
Distance from top of screen to ground level
Is well a gravel-wall type? no

Pumping Test

Date forget
Static level 6 ft from ground level
Pumping level 10 ft " " "
Pumping rate 100 gal. per minute
Duration of test 1 hrs
Distance from cylinder or bowls to ground level 42 ft.

Water Record

Kind (fresh or mineral) fresh
Quality (hard, soft, contains iron, sulphur, etc.) hard
Appearance (clear, cloudy, coloured) ~~clear~~ rusty colour
For what purpose(s) is the water to be used? Domestic

How far is well from possible source of contamination? 35 ft
What is the source of contamination? septic tank
Enclose a copy of any mineral analysis that has been made of water

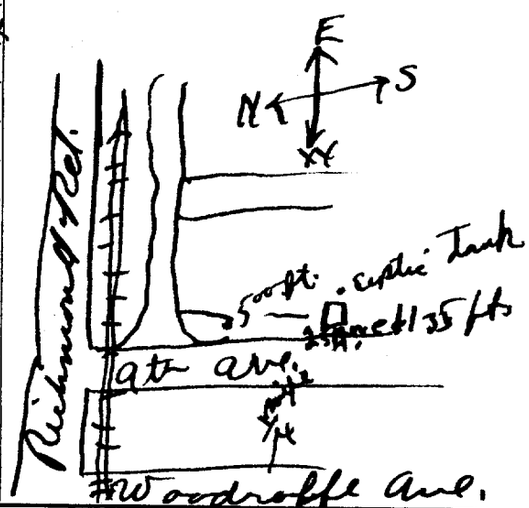
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
150 ft.	hard	144 ft.

Well Log

Overburden and Bedrock Record	From	To
Topsoil	0 ft.	5 ft.
Clay (blue)	5 ft.	40 ft.
~~10 ft~~ hardpan & boulders	40 ft.	100 ft.
limestone rock (brown)	100 ft.	150 ft.

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Situation: Is well on upland, in valley, or on hillside? level land
Drilling Firm Stuart & Mulligan
Address R.R. #1 Westboro Ont.
Name of Driller Floyd Stoodley Address 494 Preston St.
Date 4 Nov 1950 Licence Number

Mrs. F. Stoodley
Signature of Licensee

FORM 5

UTM | 18 | Z | 4 3 9 1 8 0 5 | E
| 9 | R | 5 0 2 5 3 1 4 0 | N
Elev. | 9 | R | 0 2 1 5 |
Basin | 2 5 |

ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario

ASE 306

RECEIVED
JAN 20 1950
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

15 No. 3938

Water Well Record

~~Cont. I of Lot - 27~~ NEPEAN TWP. CON. I, OTTAWA

[redacted] Con. Lot Pt. Lot

[redacted] NTH AVE WOODROFFE Acres

[redacted] Cost of Well (not including pump) 568.00

Pipe and Casing Record

Casing diameter(s) 5"
Length(s) of casing(s) 102'
Length of screen
Type of screen
Type of pump
Capacity of pump
Depth of pump setting

Pumping Test

Date
Developed Capacity
Duration of Test
Pumping Rate
Drawdown 45'
Static level of completed well 25'
Is well a gravel-wall type? NO

Water Record

Kind (fresh or mineral) FRESH
Quality (hard, soft, contains iron, sulphur etc.)
Appearance (clear, cloudy, coloured) CLEAR
For what purpose(s) is the water to be used? DOMESTIC
How far is well from possible source of contamination? 50'
What is source of contamination? SEPTIC TANK.
Enclose a copy of any mineral analysis that has been made of water N.L.

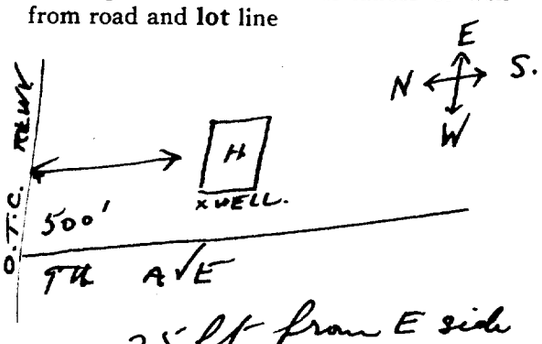
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises

Well Log

Drift and Bedrock Record	From	To
	0 ft.	ft.
LOAM	0	50
BOULDERS	50	75'
CLAY	75'	102
LIMESTONE	102	166'

Location of Well

In diagram below show distances of well from road and **lot** line



25 ft from E side of 9th Ave.

Situation: Is well on upland, in valley, or on hillside? Upland
Drilling Firm BLAIR PHILLIPS
Address 614 GILMOUR ST.
Recorded by Blair Phillips Address 614 Gilmour St
Date 30 DEC 49 Licence Number 407
451

UTM Z 18 | 4 3 9 1 7 1 9 E | 5 0 1 2 1 5 1 4 1 2 1 0 N

Elev. R 0 2 1 5

Basin 2 1 5

ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario

CASE 306

RECEIVED
JAN 5 1955
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

3941

Water Well Record

OTTAWA

[redacted] Con. 10 F Lot 28 Pt. Lot

[redacted] 5th Ave. Acres

Date Completed [redacted] Cost of Well (not including pump)

Pipe and Casing Record

Casing diameter(s) 4"

Length(s) of casing(s) 95 ft

Length of screen

Type of screen

Type of pump

Capacity of pump

Depth of pump setting

Pumping Test

Date

Developed Capacity 1000 g.p.h

Duration of Test 15 min

Pumping Rate 250 g.p.h.

Drawdown 5 ft

Static level of completed well 10 ft.

Is well a gravel-wall type? yes

Water Record

Kind (fresh or mineral) fresh

Quality (hard, soft, contains iron, sulphur etc.) hard

Appearance (clear, cloudy, coloured) clear

For what purpose(s) is the water to be used? domestic

How far is well from possible source of contamination? 30 ft

What is source of contamination? septic tank

Enclose a copy of any mineral analysis that has been made of water

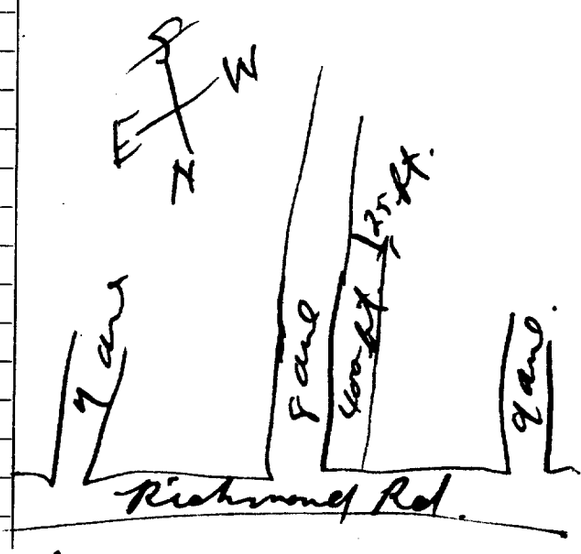
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
90 ft.	hard	80 ft.

Well Log

Drift and Bedrock Record	From	To
Topsoil	0 ft.	2 ft.
Clay	2	12
hardpan & boulders.	12	90

Location of Well

In diagram below show distances of well from road and lot line



Situation: Is well on upland, in valley, or on hillside? level land.

Drilling Firm Mulligan Bros.

Address R.R. #1 Westboro Ont.

Recorded by J. Moorley Address 494 Preston St. Ott.

Date Licence Number

UTM 18 Z 4 3 9 8 2 0 E
R 5 0 2 5 4 8 0 N
Elev. R 0 2 1 0
Basin 2 5

124

ASE 306

ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario

15 No 3942

RECEIVED
JAN 5 1950
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

Water Well Record

OTTAWA

County or District Carleton (H) Township Nepean Con. I Lot 28 Pt. Lot C

Owner [redacted] Address 8th. ave. Acres

Date Completed May 1948 Cost of Well (not including pump)

Pipe and Casing Record

Casing diameter(s) 4"
Length(s) of casing(s) 75 ft.
Length of screen
Type of screen
Type of pump
Capacity of pump
Depth of pump setting

Pumping Test

Date May 1948
Developed Capacity Tons g.p.h.
Duration of Test 15 min.
Pumping Rate 950 g.p.h.
Drawdown 5 ft.
Static level of completed well 10 ft. from top.
Is well a gravel-wall type? yes

Water Record

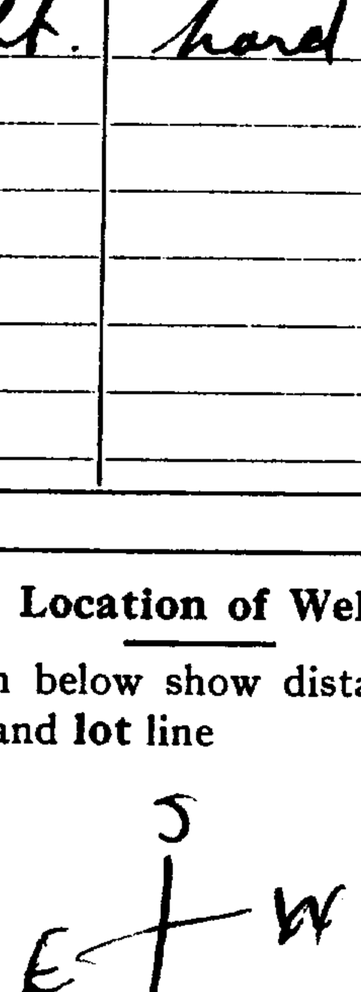
	Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
Kind (fresh or mineral) fresh			
Quality (hard, soft, contains iron, sulphur etc.) hard.			
	90 ft.	hard	80
Appearance (clear, cloudy, coloured) clear			
For what purpose(s) is the water to be used? domestic			
How far is well from possible source of contamination? 30 ft.			
What is source of contamination? septic tank			
Enclose a copy of any mineral analysis that has been made of water			

Well Log

Drift and Bedrock Record	From	To
topsoil	0 ft.	2 ft.
Clay	2	12
hardpan & boulders.	12	90

Location of Well

In diagram below show distances of well from road and lot line



Situation: Is well on upland, in valley, or on hillside? level land

Drilling Firm Mulligan Bros.

Address R.R. #1. Westboro Ont.

Recorded by A. Stoodley Address 494 Preston St.

Date Licence Number

Profile 18 RH Z 4|3|9|7|8|0 E
9 R 5|0|2|5|4|6|0 N
V. 9 R 0|2|0|5
Sin 2|5

ASE 306

ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario

Water Well Record

OTTAWA

County or District Carleton Tp. Nepean Con. I O.F. Lot 28 Pt. Lot 6

Owner [redacted] Address 8 th Ave. Woodroffe

Date Completed May 9/1948 Cost of Well (not including pump)

Pipe and Casing Record

Casing diameter(s) 4"
Length(s) of casing(s) 15 ft.
Length of screen
Type of screen
Type of pump
Capacity of pump
Depth of pump setting

Pumping Test

Date June 10/48
Developed Capacity 1000 g.p.h.
Duration of Test 15 min.
Pumping Rate 750 g.p.h.
Drawdown 5 ft.
Static level of completed well 10 ft.
Is well a gravel-wall type? yes

Water Record

Kind (fresh or mineral) fresh
Quality (hard, soft, contains iron, sulphur etc.) hard.

Appearance (clear, cloudy, coloured) clear
For what purpose(s) is the water to be used? domestic

How far is well from possible source of contamination? 30 ft.
What is source of contamination? septic tank
Enclose a copy of any mineral analysis that has been made of water

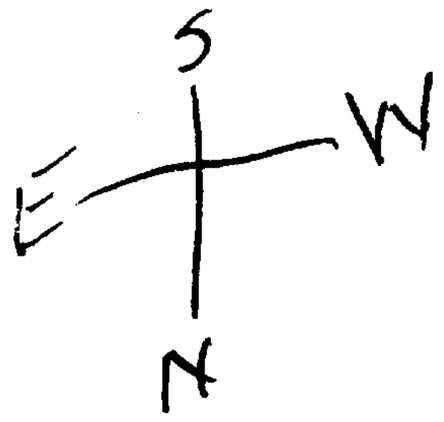
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
90 ft.	hard	80 ft.

Well Log

Drift and Bedrock Record	From	To
Topsoil	0 ft.	2 ft.
clay	2	12
hardpan & boulders.	12	90

Location of Well

In diagram below show distances of well from road and lot line



Situation: Is well on upland, in valley, or on hillside? level land

Drilling Firm Mulligan Bros.

Address R.R. #1 Westboro Ont.

Recorded by Floyd Stoodley Address 494 Preston St.

Date Licence Number

UTM 18 Z 439719 E
19 R 5012514010 N
Elev. 19 R 02115
Basin 25 11

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The Well Drillers Act

Department of Mines, Province of Ontario

ASE 306

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JAN 5 1950
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

No. 3950

Water Well Record

[redacted] Con. I OF. OTTAWA Lot 28 Pt. Lot C

9 th Ave. Weston Acres

Date well completed [illegible] Cost of Well (not including pump)

Pipe and Casing Record		Pumping Test	
Casing diameter(s)	4" dia.	Date	April 1/49
Length(s) of casing(s)	95 ft.	Developed Capacity	1000 g. p. h.
Length of screen		Duration of Test	15 min
Type of screen		Pumping Rate	950 g.p.h.
Type of pump		Drawdown	~~50~~ ft. 5.
Capacity of pump		Static level of completed well	10 ft.
Depth of pump setting		Is well a gravel-wall type?	yes

Water Record

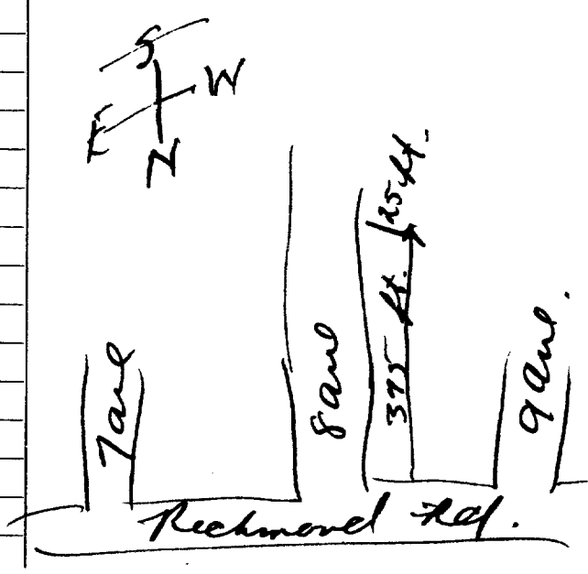
	Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
Kind (fresh or mineral) fresh	90 ft.	Land	90 ft.
Quality (hard, soft, contains iron, sulphur etc.) hard			
Appearance (clear, cloudy, coloured) clear			
For what purpose(s) is the water to be used? domestic			
How far is well from possible source of contamination? 30 ft.			
What is source of contamination? Septic tank			
Enclose a copy of any mineral analysis that has been made of water			

Well Log

Drift and Bedrock Record	From	To
Topsoil	0 ft.	2 ft.
Clay	2	12
hardpan & boulders	12	90

Location of Well

In diagram below show distances of well from road and lot line



Situation: Is well on upland, in valley, or on hillside? level land

Drilling Firm Mulligan Bro.

Address R.R. #1 Weston Ont.

Recorded by A Stadley Address 494 Preston St.

Date Licence Number

UTM | 18 Z | 431717 E | 9 R | 5012514 10 N

Elev/ Fld R | 012 15 |

Basin RH | 2 5 | | | |

1/40

31G/5f

ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario

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JAN 5 1950
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

No. 3951

Water Well Record

OTTAWA

[redacted] Con. For Lot 27 Pt. Lot L

[redacted] Ave. Acres

[redacted] Cost of Well (not including pump)

Pipe and Casing Record

Casing diameter(s) 4"

Length(s) of casing(s) 100 ft

Length of screen

Type of screen

Type of pump

Capacity of pump

Depth of pump setting

Pumping Test

Date July/49

Developed Capacity

Duration of Test ½ hr

Pumping Rate 150 gals per hr

Drawdown 2 feet

Static level of completed well 10 feet

Is well a gravel-wall type? No

Water Record

Kind (fresh or mineral) fresh

Quality (hard, soft, contains iron, sulphur etc.) hard

Appearance (clear, cloudy, coloured)

For what purpose(s) is the water to be used? domestic

How far is well from possible source of contamination? 30 ft

What is source of contamination? Septic tank

Enclose a copy of any mineral analysis that has been made of water

Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
110 ft.	hard	100 ft

Well Log

Drift and Bedrock Record	From	To
Topsoil	0 ft.	2 ft.
~~Clayton~~ Clay	2	12
Hardpan & Boulders	12	100
Limestone Rock.		finished
RH	100	115 approx

Location of Well

In diagram below show distances of well from road and lot line

Situation: Is well on upland, in valley, or on hillside? level land

Drilling Firm Mulligan Bros.

Address R.R. #1 Westboro Ont.

Recorded by Floyd Stradley Address 494 Preston St.

Date Licence Number

File

UTM [18] Z [4 3 9 7 7 0] E

[9] R [5 0 2 5 4 4 0] N

Elev. [9] R [0 2 1 0]

Basin [2 5]

31G/5f

ONTARIO

15 No 3959

[redacted]

The Well Drillers Act

Department of Mines, Province of Ontario

Water Well Record

OTTAWA

County or District Carleton Tp. Nepean Con O.F. Lot 25 Pt. Lot L

Owner [redacted] Address 9th Ave. Acres

Date Completed Dec. 14. /49 Cost of Well (not including pump)

Pipe and Casing Record	Pumping Test
Casing diameter(s) 4"	Date Nov. 21/49 (24)
Length(s) of casing(s) 100 ft.	Developed Capacity 1000 Gal. per hr.
Length of screen	Duration of Test 15 min
Type of screen	Pumping Rate 750 Gal. p. h.
Type of pump	Drawdown 5 ft.
Capacity of pump	Static level of completed well 10 ft
Depth of pump setting	Is well a gravel-wall type? yes

Water Record

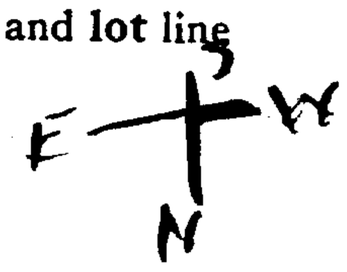
	Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
Kind (fresh or mineral) fresh			
Quality (hard, soft, contains iron, sulphur etc.) soft	110 ft.	level ~~soft~~	100 ft.
Appearance (clear, cloudy, coloured) clear			
For what purpose(s) is the water to be used? domestic			
How far is well from possible source of contamination? 30 ft			
What is source of contamination? Septic tank			
Enclose a copy of any mineral analysis that has been made of water			

Well Log

Drift and Bedrock Record	From	To
Topsoil	0 ft.	2 ft.
Clay	2	12
hardpan + boulders	12	100
Rock	~~50~~ Revised 110 ft.	

Location of Well

In diagram below show distances of well from road and lot line



Situation: Is well on upland, in valley, or on hillside? level land

Drilling Firm Mulligan Bros.

Address R.R. # 1 Westboro Ont.

Recorded by Floyd Stradley Address 494 Preston St.

Date Dec. 14th /49 Licence Number

UTM 18 Z 4 3 1 9 5 1 7 0 E
19 R 5 0 1 2 5 1 6 1 5 1 0 N
Elev. Z 0 1 1 9 1 0
Basin 2 5

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DEPARTMENT of MINES

15 No. 7811

The Well Drillers Act
Department of Mines, Province of Ontario

Water Well Record

[redacted], Village, Town or City. Ottawa
[redacted] own or City)
[redacted] Bank St
Owner
Date Completed 19 (day) Nov (month) 53 (year) Cost of Well (excluding pump)

Pipe and Casing Record

Casing diameter(s) 6" 5"
Length(s) of casing(s) 38 ft. 5 ft.
Type of screen
Length of screen
Distance from top of screen to ground level
Is well a gravel-wall type?

Pumping Test

Date
Static level 14
Pumping level 16
Pumping rate 400 -400
Duration of test 25 min.
Distance from cylinder or bowls to ground level

Water Record

Kind (fresh or mineral) fresh
Quality (hard, soft, contains iron, sulphur, etc.) hard
Appearance (clear, cloudy, coloured) clear
For what purpose(s) is the water to be used? house

How far is well from possible source of contamination?
What is the source of contamination?
Enclose a copy of any mineral analysis that has been made of water

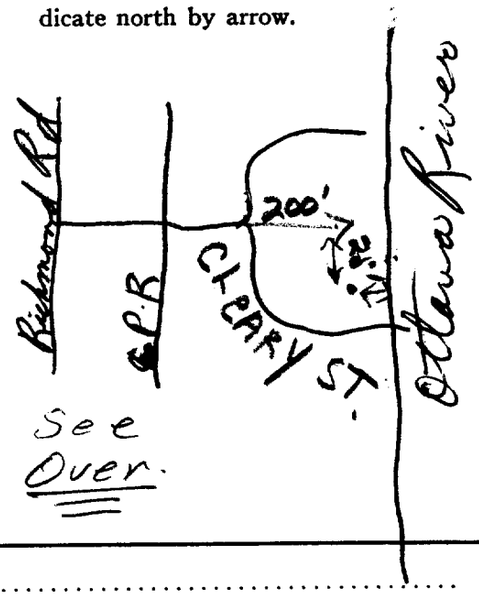
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
85-95	fresh	to 14 ft

Well Log

Overburden and Bedrock Record	From	To
	0 ft.	10 ft.
Clay	10	38
Gravel	38	95
Limestone		

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Situation: Is well on upland, in valley, or on hillside? flat
Drilling Firm
Address
Name of Driller Ben Elparks Address
Date Jan 8/54 Licence Number 420
Ben Elparks
Signature of Licensee

FORM 5

Ardmore Ave

UTM 18 Z 413191414415 E
9 R 5012515121010 N
Elev. 9 R 012000
Basin 25

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DEPARTMENT OF MINES

15 No. 8425

The Well Drillers Act
Department of Mines, Province of Ontario

Water Well Record

County or Territorial District Carleton

[redacted]

~~Village, Town or~~ City Ottawa
~~wn or City~~)
Woodroffe Ottawa
Well completed Dec 8 / 52 (day / month / year) Cost of Well (excluding pump)

Pipe and Casing Record

Casing diameter(s) 5 2 inch
Length(s) of casing(s) 16 ft
Type of screen
Length of screen
Distance from top of screen to ground level
Is well a gravel-wall type?

Pumping Test

Date Dec 8 / 52
Static level 8 ft
Pumping level
Pumping rate 600 gals per hr
Duration of test 1/2 hr
Distance from cylinder or bowls to ground level

Water Record

Kind (fresh or mineral) fresh
Quality (hard, soft, contains iron, sulphur, etc.) hard
Appearance (clear, cloudy, coloured) clear
For what purpose(s) is the water to be used? house

How far is well from possible source of contamination?
What is the source of contamination?
Enclose a copy of any mineral analysis that has been made of water

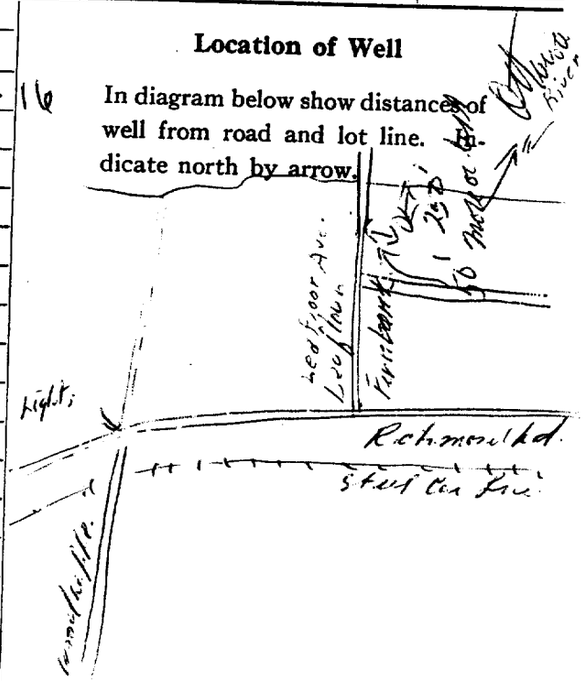
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
40		32

Well Log

Overburden and Bedrock Record	From	To
X Limestone	0 ft.	10 ft.
Limestone	10	40

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Situation: Is well on upland, in valley, or on hillside?
Drilling Firm W.M.E. Sparks
Address Woodroffe
Name of Driller W.M.E. Sparks Address
Date Dec 8 / 52 Licence Number

W.M.E. Sparks
Signature of Licensee

FORM 5

Leafloor Ave.

UTM | 18 | Z | 4319 | 1740 | E
| 9 | R | 5012 | 14510 | N
Elev. | 9 | R | 0211 | 10 |
Basin | 25 | | | |

ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario

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MAY 8 1950
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

15 No. 8585

Water Well Record

[redacted] City of Ottawa
.....Con. — Lot ..... Pt. Lot .....
AVE. McKELLAR 94 Acres .....
Date Completed [illegible] 1950 ... Cost of Well (not including pump) .....

Pipe and Casing Record

Casing diameter(s) ... 5" .....
Length(s) of casing(s) ... 79' .....
Length of screen .....
Type of screen .....
Type of pump .....
Capacity of pump .....
Depth of pump setting .....

Pumping Test

Date ... MAR. 10 1950 .....
Developed Capacity ... 400 G.P.H. .....
Duration of Test ... 60 MIN. .....
Pumping Rate ... 500 G.P.H. .....
Drawdown ... 22' .....
Static level of completed well ... 42' .....
Is well a gravel-wall type? ... No .....

Water Record

Kind (fresh or mineral) ... FRESH .....
Quality (hard, soft, contains iron, sulphur etc.) ... HARD .....
Appearance (clear, cloudy, coloured) ... CLEAR .....
For what purpose(s) is the water to be used? ... HOUSEHOLD .....
How far is well from possible source of contamination? .....
What is source of contamination? .....
Enclose a copy of any mineral analysis that has been made of water .....

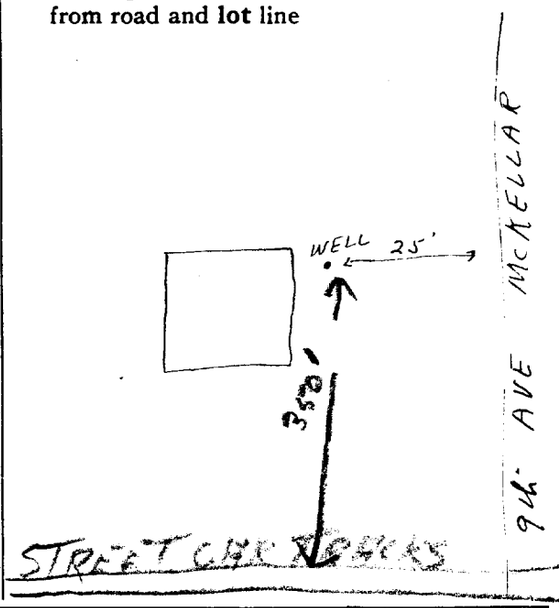
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
65	GOOD	43
79	"	37

Well Log

Drift and Bedrock Record	From	To
TILL	0 ft.	77 ft.
GRAVEL	77	79

Location of Well

In diagram below show distances of well from road and lot line



Situation: Is well on upland, in valley, or on hillside? ... UPLAND .....
Drilling Firm ... F. A. McLEAN & SON .....
Address ... 185 JAMES ST OTTAWA. ONT. .....
Recorded by ... JOHN LARKIN ..... Address .....
Date ... MAR. 10 ... 1950 ..... Licence Number .....

near Redwood
NINTH AVE.

UTM 18 Z 439740 E
5025450 N
Elev. 9 R 02110
Basin 215

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MAY 8 1950
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

No 8586

The Well Drillers Act

Department of Mines, Province of Ontario

Water Well Record

[redacted] City of Ottawa
.....Con. — Lot ——— Pt. Lot .....
9th AVE McKELLAR Acres .....
Date Completed ..... Cost of Well (not including pump) .....

Pipe and Casing Record

Casing diameter(s) 5"
Length(s) of casing(s) 78'
Length of screen ALSO 20' of 4"
Type of screen
Type of pump
Capacity of pump
Depth of pump setting

Pumping Test

Date APRIL 27 1950
Developed Capacity 250 G.P.H.
Duration of Test 30 MIN.
Pumping Rate 300 G.P.H.
Drawdown 30'
Static level of completed well 48'
Is well a gravel-wall type? No

Water Record

Kind (fresh or mineral) FRESH
Quality (hard, soft, contains iron, sulphur etc.)
Appearance (clear, cloudy, coloured) CLOUDY
For what purpose(s) is the water to be used? HOUSEHOLD
How far is well from possible source of contamination? 40'
What is source of contamination? SEPTIC TANK
Enclose a copy of any mineral analysis that has been made of water

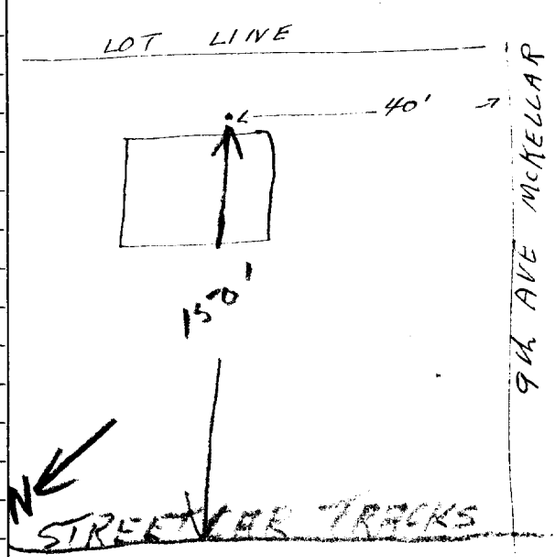
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
70	GOOD	52'
181	"	133'

Well Log

Drift and Bedrock Record	From	To
SAND BOULDERS	0 ft.	40 ft.
HARD PAN	40	81
ROCK	81	181

Location of Well

In diagram below show distances of well from road and lot line



Situation: Is well on upland, in valley, or on hillside? UPLAND
Drilling Firm F. A. McLEAN & SON
Address 185 JAMES ST OTTAWA ONTARIO
Recorded by J. LARKIN Address
Date Licence Number

now Redwood
NINTH AVE.

UTM E 18 Z 413191711 10 E
9 R 5012151391 0 N
Elev. 9 R 0121 10
Basin 25

ONTARIO

The Well Drillers Act
Department of Mines, Province of Ontario

15 No 8587

DEPARTMENT OF MINES
SEP 10 1951
TO

Water Well Record

[redacted] Town or City Ottawa
[redacted] own or City) 9th Avenue
[redacted] 9th Avenue
Date Completed 28 June 1951 (day) (month) (year) Cost of Well (excluding pump) $35.00

Pipe and Casing Record

Casing diameter(s) 4 inch
Length(s) of casing(s) 90 ft
Type of screen —
Length of screen —
Distance from top of screen to ground level —
Is well a gravel-wall type? gravel and wall type

Pumping Test

Date June 28 1951
Static level 30 feet
Pumping level 35 feet
Pumping rate 20 gal per hr
Duration of test 2 hrs
Distance from cylinder or bowls to ground level

Water Record

Kind (fresh or mineral) fresh
Quality (hard, soft, contains iron, sulphur, etc.) hard
Appearance (clear, cloudy, coloured) clear
For what purpose(s) is the water to be used? domestic

How far is well from possible source of contamination? 30 ft
What is the source of contamination? Septic Tank
Enclose a copy of any mineral analysis that has been made of water

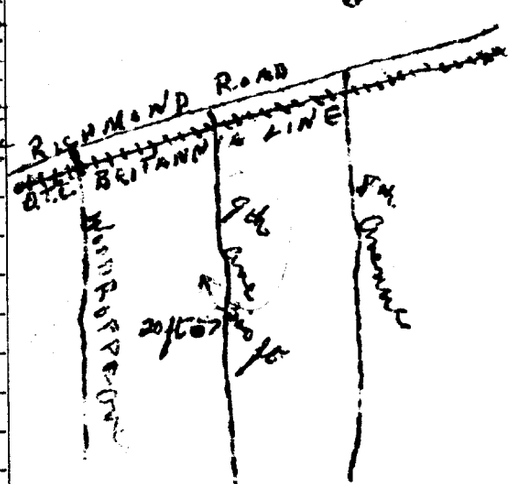
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
100 ft	fresh	70 ft
105 ft	fresh	75 ft

Well Log

Overburden and Bedrock Record	From	To
	0 ft.	15 ft.
clay		
boulders	15 ft	28 ft
sand	28 ft	50 ft
sandpan	50 ft	75 ft
gravel	75 ft	80 ft
sandpan	80 ft	90 ft
limestone	90 ft	112 ft

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Situation: Is well on upland, in valley, or on hillside? level ground
Drilling Firm Stewart A. McMillan
Address Britannia Bay Ont.
Name of Driller Bernard Holly Address 167 Kenmore St.
Date June 28 1951 Licence Number 1129

Bernard Holly
Signature of Licensee

FORM 5

now Redwood
Ninth Ave.

UTM 18 Z 413917810 E
19 R 5012513615 N
Elev. 19 R 92115
Basin 25 111

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15 No. 8588

The Well Drillers Act
Department of Mines, Province of Ontario

Water Well Record

[redacted] ~~Village, Town~~ or City Ottawa
[redacted] ~~own~~ or City)
Owner [redacted] 9th Ave Woodroffe
Date Completed 1 (day) Dec (month) 51 (year) Cost of Well (excluding pump)

Pipe and Casing Record

Casing diameter(s) 5"
Length(s) of casing(s) 55'
Type of screen
Length of screen
Distance from top of screen to ground level
Is well a gravel-wall type?

Pumping Test

Date
Static level Dry
Pumping level
Pumping rate
Duration of test
Distance from cylinder or bowls to ground level

Water Record

Kind (fresh or mineral)
Quality (hard, soft, contains iron, sulphur, etc.)
Appearance (clear, cloudy, coloured)
For what purpose(s) is the water to be used? Seepage Unformed
How far is well from possible source of contamination?
What is the source of contamination?
Enclose a copy of any mineral analysis that has been made of water

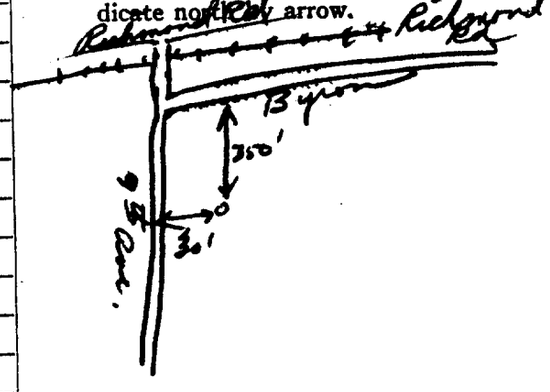
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises

Well Log

Overburden and Bedrock Record	From	To
Well previously drilled but necessary to redrill when old casing pulled.	0 ft.	72 ft.
Boulders & Clay & Sand	0	60

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Situation: Is well on upland, in valley, or on hillside?
Drilling Firm J. H. Mulligan Ottawa Ont.
Address Britannia Bay
Name of Driller H. H. Law Address 568 Bank St.
Date 1 Dec. 51 Licence Number
H. H. Law
Signature of Licensee

FORM 5

now Redwood
NINTH AVE.

UTM 18 Z 4 3 9 1 6 8 0 E
18 R 5 0 1 2 5 1 5 1 4 1 0 N
Elev. 9 R 0 1 2 0 0
Basin 2 5

ONTARIO

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DEPARTMENT of MINES

15 No 8762

The Well Drillers Act
Department of Mines, Province of Ontario

Water Well Record

[redacted] Village, Town or City Ottawa
[redacted] wn or City)
[redacted] Richmond Rd Ottawa
Date Completed 16 (day) July (month) 52 (year) Cost of Well (excluding pump)

Pipe and Casing Record

Casing diameter(s) 5-11
Length(s) of casing(s) 36 ft
Type of screen
Length of screen
Distance from top of screen to ground level
Is well a gravel-wall type?

Pumping Test

Date 16 July 52
Static level 15
Pumping level 30
Pumping rate 250
Duration of test 10 - 15 min
Distance from cylinder or bowls to ground level

Water Record

Kind (fresh or mineral) fresh
Quality (hard, soft, contains iron, sulphur, etc.) hard
Appearance (clear, cloudy, coloured) clear
For what purpose(s) is the water to be used? domestic

How far is well from possible source of contamination? 40 ft
What is the source of contamination? privy house
Enclose a copy of any mineral analysis that has been made of water

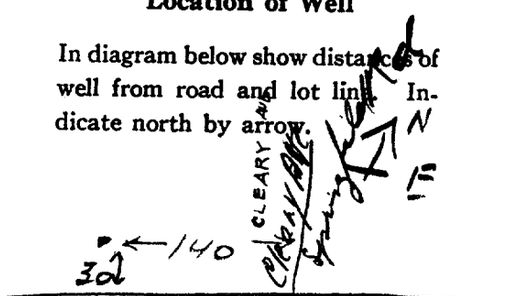
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
50-60 ft	fresh	15 ft. 35'

Well Log

Overburden and Bedrock Record	From	To
clay loam and gravel	0 ft.	27 ft.
limestone rock	27	60

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



District known as Spring Park

on: Is well on upland, in valley, or on hillside? upland
Firm [redacted] Drake
[redacted] Edgewater Ave Woodroffe
Driller [redacted] Address
Licence Number 421

Signature of Licensee

Richmond Rd

UTM 18 Z 439800 E
9 R 5025310 N
Do Not Publish .0220
Elev. 9 R
Information Not Reliable
Basin 215

ONTARIO

15 No 9072

N.P. X

The Well Drillers Act

Department of Mines, Province of Ontario

Deepening Well.

Water Well Record

Ottawa

[redacted], ~~Village, Town or~~ City.... ~~Prescott Highway~~

own or City).....

.....Westboro R.R. #1.....

Date Completed....27....Oct....1953.. Cost of Well (excluding pump).....
(day) (month) (year)

Pipe and Casing Record

Casing diameter(s).....4"
Length(s) of casing(s).....20'
Type of screen.....
Length of screen.....
Distance from top of screen to ground level.....
Is well a gravel-wall type?.....

Pumping Test

Date.....Oct. 27/53
Static level...20
Pumping level.....
Pumping rate.....
Duration of test.....1/2 hr.
Distance from cylinder or bowls to ground level.....

Water Record

Kind (fresh or mineral).....fresh
Quality (hard, soft, contains iron, sulphur, etc.)...hard
Appearance (clear, cloudy, coloured).....clear
For what purpose(s) is the water to be used?.....Domestic
.....
How far is well from possible source of contamination?...45
What is the source of contamination?.....septic tank
Enclose a copy of any mineral analysis that has been made of water.....

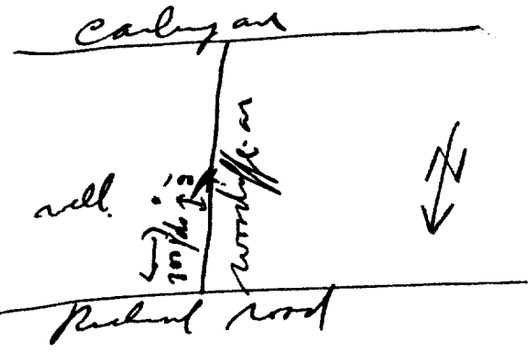
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
128.	fresh	108.

Well Log

Overburden and Bedrock Record	From	To
	0 ft.	....ft.
deepen well		
68 - 130 blue limestone		

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Situation: Is well on upland, in valley, or on hillside?.....Valley
Drilling Firm. Gordon Mullegan Comp. Ltd.
Address.....48 S. McKaren St.
Name of Driller...Moise Renaud.....Address.....421 Clarence St.
Date.....Licence Number.....
.....
Signature of Licensee

FORM 5

Woodroffe Ave

Ontario — Ministry of the Environment

Measurements recorded in: ☐ Metric ☑ Imperial

Well Tag No. *(Place Sticker and/or Print Below)* A089793.

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	First Unitarian Congregation of Ottawa.	Hendersalas@gmail.com	

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
30 Cleary Avenue		Ontario.	K2A3296	6137251066

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
30 Cleary Avenue			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa.	Ontario	K2A3Z9

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	7546 332	5022915		

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
	Till		Packed.	0	8
black	Shale.			8	65'
grey	limestone.			65'	104'
black.	Shale.			104'	380'

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	20'	High Early Cement	6.97

Method of Construction

☐ Cable Tool ☑ Rotary (Conventional) ☐ Rotary (Reverse) ☐ Boring ☐ Air percussion ☐ Other, specify

☐ Diamond ☐ Jetting ☐ Driving ☐ Digging

Well Use

☐ Public ☑ Domestic ☐ Livestock ☐ Irrigation ☐ Industrial ☐ Other, specify

☐ Commercial ☐ Municipal ☐ Test Hole ☐ Cooling & Air Conditioning

☐ Not used ☐ Dewatering ☐ Monitoring

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
5 5/8"	Steel	1/8"	+1.5'	20'

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To

Status of Well

☑ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, specify
☐ Other, specify

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water	Other, specify
170	☐	☐ Fresh ☑ Untested	
217	☐	☐ Fresh ☑ Untested	
345	☐	☐ Fresh ☑ Untested	

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
20'	380'	6"
0	20'	10"

Results of Well Yield Testing

After test of well yield, water was:
☑ Clear and sand free
☐ Other, specify

If pumping discontinued, give reason:

Pump intake set at (m/ft): 320'

Pumping rate (l/min / GPM): 5

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping (m/ft): 151'

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft): 330'

Recommended pump rate (l/min / GPM): .5

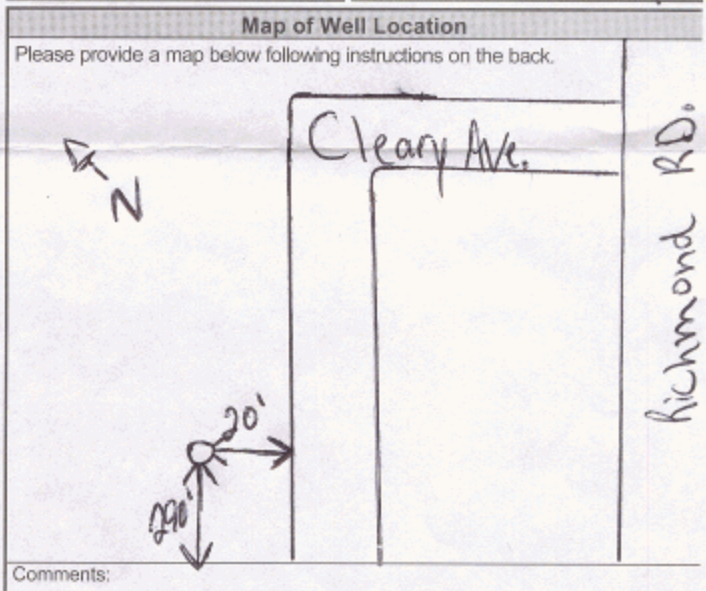
Well production (l/min / GPM): 4

Disinfected? ☑ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level		8'		
1	1	10'	1	134'
2	2	19'	2	130'
3	3	27'	3	129'
4	4	33'	4	127'
5	5	40'	5	126'
10	10	56'	10	122'
15	15	70'	15	116'
20	20	87'	20	110'
25	25	101'	25	104'
30	30	116'	30	100'
40	40	126'	40	90'
50	50	139'	50	83'
60	60	151'	60	74'

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
JR Drilling Co. Ltd.	3749

Business Address (Street Number/Name)	Municipality
23 Mitchem RD.	Clarendon.

Province	Postal Code	Business E-mail Address
Quebec.	J0X2Y0	info@jrwaterwelldrilling.com

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
6138609866	Moloughney, Bill

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
1505	Bill Moloughney	2011/04/14

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☑ Yes ☐ No	2011/04/14	2011/04/13

Ministry Use Only

Audit No. Z103275

APR 20 2011

Received

0506E (12/2007)

Ministry's Copy

Ontario — Ministry of the Environment and Climate Change

Well Tag No. *(Place Sticker and/or Print Below)* A189927

Well Record

Regulation 903 Ontario Water Resources Act

S-20778 Page _____ of _____

Measurements recorded in: ☑ Metric ☐ Imperial

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	City of Ottawa		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
110 Laurier Avenue West	Ottawa	ON	K1P1J1	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Byron linear park			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 8 3	18	445961	5025160		

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Brn	Sand	gravel	soft	0	1.21
Brn	silty sand	sand, gravel	dense, dry	1.21	2.43
			wet	2.43	4.57
Gry	silt			4.57	7.31
Gry	silt, gravel		wet		

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used *(Material and Type)*	Volume Placed (m^3/ft^3)
0	.31	Concrete/flushmount	
.31	3.96	Bentonite	
3.96	7.31	Sand	

Method of Construction

☐ Cable Tool ☑ Rotary (Conventional) ☐ Rotary (Reverse) ☐ Boring ☐ Air percussion ☐ Other, *specify* _____

☐ Diamond ☐ Jetting ☐ Driving ☐ Digging

Well Use

☐ Public ☐ Domestic ☐ Livestock ☐ Irrigation ☐ Industrial ☐ Other, *specify* _____

☐ Commercial ☐ Municipal ☑ Test Hole ☐ Cooling & Air Conditioning

☐ Not used ☐ Dewatering ☑ Monitoring

Construction Record - Casing

Inside Diameter *(cm/in)*	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness *(cm/in)*	Depth (m/ft) From	Depth (m/ft) To
5.20	PVC	.390	0	4.26

Construction Record - Screen

Outside Diameter *(cm/in)*	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
6.03	PVC	10	4.26	7.31

Status of Well

☐ Water Supply ☐ Replacement Well ☐ Test Hole ☐ Recharge Well ☐ Dewatering Well ☑ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply ☐ Abandoned, Poor Water Quality ☐ Abandoned, other, *specify* _____ ☐ Other, *specify* _____

Water Details

Water found at Depth (m/ft)	☐ Gas	Kind of Water: ☐ Fresh ☐ Untested ☐ Other, *specify*
Water found at Depth (m/ft)	☐ Gas	Kind of Water: ☐ Fresh ☐ Untested ☐ Other, *specify*
Water found at Depth (m/ft)	☐ Gas	Kind of Water: ☐ Fresh ☐ Untested ☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter *(cm/in)*
0	7.31	15.24

Results of Well Yield Testing

After test of well yield, water was: ☐ Clear and sand free ☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min / GPM)*

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

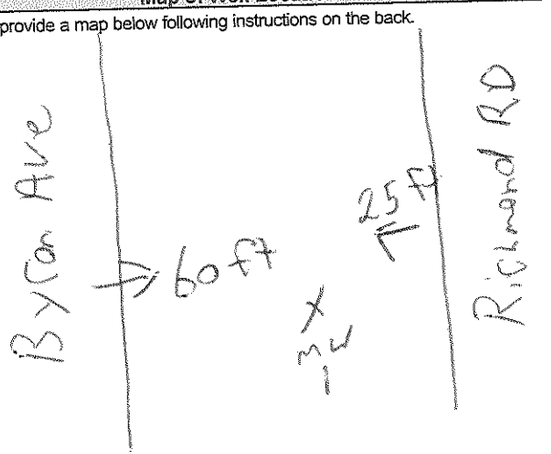
Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

	Draw Down Time *(min)*	Draw Down Water Level *(m/ft)*	Recovery Time *(min)*	Recovery Water Level *(m/ft)*
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Drilling Group	7141

Business Address (Street Number/Name)	Municipality
165 Sheldon Crt	Markham

Province	Postal Code	Business E-mail Address
ON	L3R8V2	wrecords@strata50.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
905 944 8119	McCoy, James

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3656		2017/10/04

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered

Date Work Completed 2017/09/14

Ministry Use Only

Audit No. Z250788

OCT 05 2017

Received

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Ontario

Ministry of the Environment and Climate Change

Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag No. *(Place Sticker and/or Print Below)* A159925

Well Record

Regulation 903 Ontario Water Resources Act

S-20778 Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	City of Ottawa		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
110 Laurier Avenue West	Ottawa	ON	K1P1J1	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Byron Linear Park			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	439631	5025115		

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Brn	Sand	Gravel	Soft	0	1.21
Brn	Silt	Sand, gravel	dense, dry	1.21	2.43
Gry	Silt	gravel	wet	2.43	5.79

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	.31	Concrete/flushmount	
.31	2.43	Bentonite	
2.43	5.79	Sand	

Method of Construction

☐ Cable Tool ☐ Diamond
☑ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* ____

Well Use

☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☑ Test Hole ☑ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* ____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
5.00	PVC	.390	0	2.74

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
6.03	PVC	10	2.74	5.79

Status of Well

☐ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☑ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, *specify* ____
☐ Other, *specify* ____

Water Details

Water found at Depth (m/ft)	Kind of Water	
☐ Gas	☐ Fresh ☐ Untested	☐ Other, *specify* ____
☐ Gas	☐ Fresh ☐ Untested	☐ Other, *specify* ____
☐ Gas	☐ Fresh ☐ Untested	☐ Other, *specify* ____

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	5.79	15.24

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* ____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min / GPM)*

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

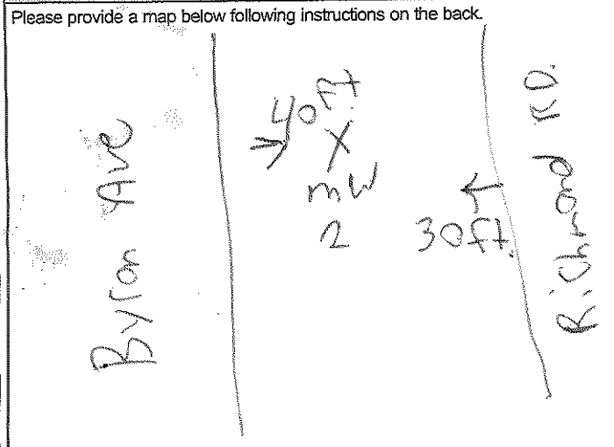
Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Drilling Group	7141

Business Address (Street Number/Name)	Municipality
165 Shields Crt	Markham

Province	Postal Code	Business E-mail Address
ON	L3R8V2	wrecords@stratagp.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
9054748979	McCoy, James

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
31656		2017/09/29

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☐ No		2017/09/26

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Audit No. Z250787

OCT 05 2017

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0506E (2014/11)

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Ministry of the Environment and Climate Change

Measurements recorded in: ☐ Metric ☐ Imperial

Well Tag No. *(Place Sticker and/or Print Below)* A233476

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	Gemtec	OttawA@Gemtec.cA	

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
32 STEACIE DRIVE		ONT	K2K2A9	6138361422

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession

County/District/Municipality	City/Town/Village	Province	Postal Code
Oreolons	OTTawA	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	439636	5025810		

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Brown	Gravel	Cobbles/clay	Fill	0	15'

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used *(Material and Type)*	Volume Placed *(m³/ft³)*
0	10	Bentonite	150 LBS
10	15	SAND	100 LBS

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☒ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter *(cm/in)*	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness *(cm/in)*	Depth (m/ft) From	Depth (m/ft) To
2"	Plastic		0	10'

Construction Record - Screen

Outside Diameter *(cm/in)*	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
2"	Plastic		10'	15'

Status of Well

☐ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, *specify*
☒ Other, *specify* _____

Water Details

Water found at Depth (m/ft)	☐ Gas	Kind of Water: ☐ Fresh ☐ Untested ☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	To	Diameter *(cm/in)*
0	15	

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min / GPM)*

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

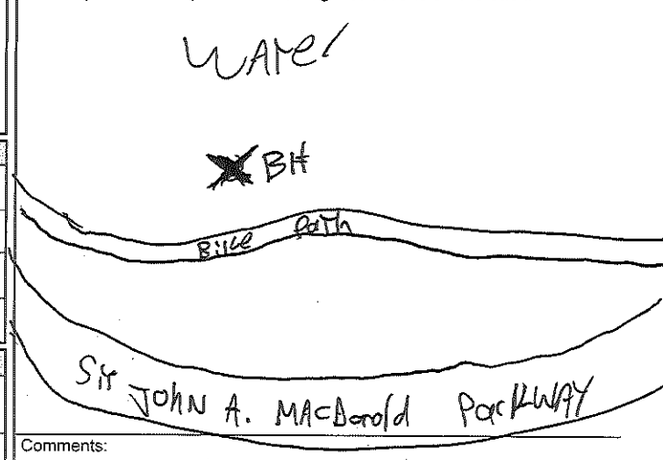
Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
FORAGE HB DRILLING	7608

Business Address (Street Number/Name)	Municipality
306 FRONT ROAD	HAWKESBURY

Province	Postal Code	Business E-mail Address
ONT	K6A2S9	MATT@foragehbdrilling.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
6136324615	MATT MACTAVISH

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3956		2018/07/09

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☐ No		2018/06/28

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Ministry of the Environment and Climate Change

Measurements recorded in: ☐ Metric ☑ Imperial

Well Tag No. *(Place Sticker and/or Print Below)* No Tag Found 19-2

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	City of Ottawa		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
1190 Constellation Dr.	Ottawa	ON	K2G6J8	(613) 580-2424

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Richmond Rd			

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa	Ottawa On	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 8 3	18	439720	5025726		

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
			Cold Patch Asphalt	0	6
			3/8 Bentonite Chips	6	160
			20% Bentonite Slurry (Portland / Quick Grout)	160	171

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used *(Material and Type)*	Volume Placed *(m³/ft³)*

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☑ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☑ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter *(cm/in)*	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness *(cm/in)*	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen

Outside Diameter *(cm/in)*	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To

Status of Well

☐ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☑ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☑ Abandoned, other, *specify* No longer Used
☐ Other, *specify* _____

Water Details

Water found at Depth (m/ft)	Kind of Water	Hole Diameter Depth From (m/ft)	Hole Diameter Depth To (m/ft)	Hole Diameter (cm/in)
15 (m/ft) ☐ Gas	☐ Fresh ☑ Untested ☐ Other, *specify* _____	0	171	8¼
(m/ft) ☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify* _____			
(m/ft) ☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify* _____			

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min / GPM)*

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
CCC Drilling	715413

Business Address (Street Number/Name)	Municipality
48-2697 Edinburgh Place	Ottawa

Province	Postal Code	Business E-mail Address
ON	K1B4M1	mandbat@cccgroup.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
(613) 737-5227	Chad Fehlin

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
31299	Chad Fehlin	2019/10/15

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☑ No		2019/08/16

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Audit No. Z286426

Received OCT 22 2019

0506E (2014/11)

Ministry's Copy

Nick Sullivan

From: Public Information Services <publicinformationservices@tssa.org>
Sent: February 17, 2021 1:09 PM
To: Nick Sullivan
Subject: RE: Records Search Request (PE5190)

Good afternoon,

Thank you for your request for confirmation of public information.

We confirm that there are no records in our database of any fuel storage tanks at the subject addresses.

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

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

Thanks

Sherees Thompson | Public Information Agent
Facilities
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-416-734-3363 | Fax: +1-416-231-6183 | E-Mail: sthompson@tssa.org
www.tssa.org

From: Nick Sullivan <nsullivan@Patersongroup.ca>
Sent: February 17, 2021 11:21 AM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Records Search Request (PE5190)

Good day,

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, Ontario:

Richmond Road: 727, 747, 797, 801, 809, 851;
Cleary Avenue: 25, 30, 75;

Thank you very much!

Nick Sullivan, B.Sc.

patersongroup
solution oriented engineering
over 60 years serving our clients

154 Colonnade Road South
Ottawa, Ontario, K2E 7J5
Tel: (613) 226-7381 Ext. 208
Cell: (613) 913-3608

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*Phase I ESA* *797 Richmond Road* *Ottawa ON K2A 0G7*
Project No:	*PE5190*
Report Type:	*Standard Report*
Order No:	*21021700041*
Requested by:	*Paterson Group Inc.*
Date Completed:	*February 22, 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: *Phase I ESA*
797 Richmond Road Ottawa ON K2A 0G7

Project No: *PE5190*

Coordinates:

Latitude:	*45.3816171*
Longitude:	*-75.7712167*
UTM Northing:	*5,025,633.90*
UTM Easting:	*439,621.19*
UTM Zone:	*18T*

Elevation: *206 FT*
62.82 M

Order Information:

Order No: *21021700041*
Date Requested: *February 17, 2021*
Requested by: *Paterson Group Inc.*
Report Type: *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	4	4
CA	Certificates of Approval	Y	0	1	1
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
CHM	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	1	1
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	2	2
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	4	4
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 (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	7	7
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	1	1

Database	Name	Searched	Project Property	Within 0.25 km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
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	3	3
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	1	1
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	1	2	3
SPL	Ontario Spills	Y	0	4	4
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	42	42
	Total:		1	72	73

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	SCT	Dentech Inc.	797 Richmond Rd Ottawa ON K2A 0G7	-/0.0	0.80	25

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	WWIS		BYRON LINEAR PARK OTTAWA ON ***Well ID:*** 7296572	ESE/39.4	1.05	25
3	CA	BAKER'S DOZEN DONUTS	793 RICHMOND ST. OTTAWA CITY ON K2A 0G7	NE/58.7	0.05	28
3	GEN	Carastan Carpet Co Limited	793 Richmond Road Ottawa ON K2A 0G7	NE/58.7	0.05	28
3	RSC	Charlesfort Developments Limited	761 and 793 Richmond Road, Ottawa, Ontario, K2A 0G7 OTTAWA ON K2A 0G7	NE/58.7	0.05	29
3	GEN	Charlesfort Developments Limited	793 Richmond Road Ottawa ON K2A 0G7	NE/58.7	0.05	29
3	GEN	Charlesfort Developments Limited	793 Richmond Road Ottawa ON K2A 0G7	NE/58.7	0.05	30
4	BORE		ON	NE/65.3	0.05	30
5	BORE		ON	WNW/69.9	-0.95	31
6	WWIS		747 RICHMOND RD BYRON LWEAR PARK OTTAWA ON ***Well ID:*** 7292237	ENE/83.1	0.18	33
7	WWIS		30 CLEARY AVE OTTAWA ON ***Well ID:*** 7162152	WNW/83.5	-0.41	35
8	EHS		Sherbourne Avenue Ottawa ON K2A 3G1	ESE/85.2	2.14	42
8	EHS		Sherbourne Avenue Ottawa ON K2A 3G1	ESE/85.2	2.14	43

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
8	EHS		Sherbourne Avenue Ottawa ON K2A 3G1	ESE/85.2	2.14	43
9	EHS		900 Byron Avenue Ottawa ON K2A 0J2	ESE/91.6	2.14	43
10	BORE		ON	NW/98.1	-1.26	43
11	ECA	The First Unitarian Congregation of Ottawa	40 Cleary Parkway Ottawa ON	WSW/99.1	1.05	45
12	SPL	Enbridge Gas Distribution Inc.	Cleary at Richmond Roads Ottawa ON	ENE/102.9	-0.64	45
12	PINC		Cleary Avenue & Richmond Road, Ottawa ON	ENE/102.9	-0.64	46
12	SPL		Richmond Rd and Cleary Ave Ottawa ON	ENE/102.9	-0.64	46
13	WWIS		RICHMOND RD. & CLEARLY ON ***Well ID:*** 7293182	ENE/117.5	-0.92	47
14	WWIS		BYRON LINEAR PARK OTTAWA ON ***Well ID:*** 7296573	S/119.6	2.27	50
15	GEN	Unitarian House of Ottawa	20 Cleary Ave. 20 Cleary Ave. Ottawa ON K2A 3Z9	NNE/121.0	-1.64	53
15	GEN	Unitarian House of Ottawa	20 Cleary Ave Ottawa ON K2A3Z9	NNE/121.0	-1.64	53
16	WWIS		ON ***Well ID:*** 1508587	E/121.5	0.52	53
17	WWIS		ON	NNE/141.4	-1.64	57

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 7293486			
18	WWIS		747 RICHMOND RD OTTAWA ON ***Well ID:*** 7305505	NE/146.2	-1.61	58
19	WWIS		ON ***Well ID:*** 1508585	E/154.3	-1.03	61
19	WWIS		ON ***Well ID:*** 1508586	E/154.3	-1.03	63
20	WWIS		747 RICHMOND RD OTTAWA ON ***Well ID:*** 7305504	NE/156.3	-1.98	66
21	WWIS		747 RICHMOND RD OTTAWA ON ***Well ID:*** 7305506	NE/156.3	-1.98	69
22	WWIS		RICHMOND ROAD & CLEARY ON ***Well ID:*** 7293198	ENE/159.2	-1.98	72
23	WWIS		RICHMOND ROAD & CLEARY Ottawa ON ***Well ID:*** 7293199	NE/165.4	-1.98	75
24	SPL	Enbridge Gas Distribution Inc.	2045 Honeywell Ave Ottawa ON	SSE/168.4	3.36	79
24	PINC	ENBRIDGE GAS INC	2045 HONEYWELL AVE,,OTTAWA,ON, K2A 0P7,CA ON	SSE/168.4	3.36	79
25	SCT	Signs in 23 Hours, Inc.	747 Richmond Rd Unit B Ottawa ON K2A 0G6	NE/169.3	-1.95	80
25	WWIS		ON ***Well ID:*** 1508762	NE/169.3	-1.95	80
25	GEN	Morrison Hershfield Limited	747 Richmond Road Ottawa ON K2A 1R8	NE/169.3	-1.95	82
25	ECA	Peter Kiewit Sons ULC, Eurovia Quebec Grands Projets Inc., Janin Atlas Inc.,	and Dodin Quebec Inc. 747 Richmond Rd Ottawa ON K1H 1E1	NE/169.3	-1.95	83

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
26	WWIS		ON **Well ID:** 1508425	WNW/181.3	-0.86	83
27	WWIS		lot 28 con 1 ON **Well ID:** 1503959	E/181.7	0.05	85
28	WWIS		RICHMOND ROAD Ottawa ON **Well ID:** 7293181	NE/182.4	-1.95	88
29	WWIS		lot 28 con 1 ON **Well ID:** 1503951	E/184.5	0.31	91
30	WWIS		ON **Well ID:** 1508588	E/195.2	1.05	94
31	WWIS		lot 28 con 1 ON **Well ID:** 1503944	E/195.5	0.02	95
32	SPL	Kiewit Eurovia Vinci	Ottawa ON	SSW/195.6	2.59	98
33	WWIS		lot 28 con 1 ON **Well ID:** 1503940	E/196.5	1.05	98
34	WWIS		lot 28 con 1 ON **Well ID:** 1503941	E/199.7	0.12	101
35	WWIS		lot 28 con 1 ON **Well ID:** 1503950	E/199.9	0.31	104
36	WWIS		lot 27 con 1 ON **Well ID:** 1503915	E/215.0	0.75	106
36	WWIS		lot 27 con 1 ON **Well ID:** 1503916	E/215.0	0.75	109
37	WWIS		lot 27 con 1 ON	E/221.3	0.85	111

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1503917			
37	WWIS		lot 27 con 1 ON ***Well ID:*** 1503918	E/221.3	0.85	114
38	SCT	PhotoCAD Inc.	66 Aylen Ave Ottawa ON K2A 3P9	W/222.7	0.05	116
39	WWIS		lot 27 con 1 ON ***Well ID:*** 1503909	ESE/226.2	1.20	117
39	WWIS		lot 27 con 1 ON ***Well ID:*** 1503938	ESE/226.2	1.20	119
40	WWIS		lot 27 con 1 ON ***Well ID:*** 1503914	ENE/227.3	-0.09	122
41	WWIS		ON ***Well ID:*** 1509072	ESE/233.0	1.99	125
42	WWIS		ON ***Well ID:*** 1507811	N/235.9	-5.95	127
43	WWIS		lot 27 con 1 ON ***Well ID:*** 1503931	ESE/237.5	1.99	130
44	BORE		ON	N/239.2	-5.95	133
45	WWIS		lot 28 con 1 ON ***Well ID:*** 1503942	ENE/239.4	1.08	134
46	WWIS		lot 27 con 1 ON ***Well ID:*** 1503913	E/239.8	0.97	137
47	GEN	Regional Elevator	727 Richmond Road Ottawa ON K2A 0G6	NE/242.0	-1.92	139
48	WWIS		lot 27 con 1 ON	ESE/242.6	1.99	139

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1503930			
49	WWIS		lot 27 con 1 ON ***Well ID:*** 1503933	ESE/243.7	2.05	142
49	WWIS		lot 27 con 1 ON ***Well ID:*** 1503935	ESE/243.7	2.05	145
49	WWIS		lot 27 con 1 ON ***Well ID:*** 1503936	ESE/243.7	2.05	147
50	EASR	HOMESTEAD LAND HOLDINGS LIMITED	851 Richmond RD OTTAWA ON K2A 3X2	SW/244.2	3.11	150
51	WWIS		Ottawa ON ***Well ID:*** 7316808	N/246.5	-5.25	150
52	WWIS		lot 27 con 1 ON ***Well ID:*** 1503911	ENE/249.2	0.09	152
53	HINC		2030 KNIGHTSBRIDGE ROAD OTTAWA ON K2A 0P9	SE/249.5	4.00	155
54	PINC	PIPELINE HIT - 1/2"	545 ROWANWOOD AVE,,OTTAWA,ON, K2A 3C9,CA ON	E/249.6	1.05	155

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 4 BORE site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	NE	65.30	4

Lower Elevation	Address	Direction	Distance (m)	Map Key
	ON	WNW	69.87	5
	ON	NW	98.13	10
	ON	N	239.17	44

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 1 CA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
BAKER'S DOZEN DONUTS	793 RICHMOND ST. OTTAWA CITY ON K2A 0G7	NE	58.75	3

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011-Dec 31, 2020 has found that there are 1 EASR site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
HOMESTEAD LAND HOLDINGS LIMITED	851 Richmond RD OTTAWA ON K2A 3X2	SW	244.16	50

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Dec 31, 2020 has found that there are 2 ECA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
The First Unitarian Congregation of Ottawa	40 Cleary Parkway Ottawa ON	WSW	99.08	11

Lower Elevation	Address	Direction	Distance (m)	Map Key
Peter Kiewit Sons ULC, Eurovia Quebec Grands Projets Inc., Janin Atlas Inc.,	and Dodin Quebec Inc. 747 Richmond Rd Ottawa ON K1H 1E1	NE	169.28	25

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Oct 31, 2020 has found that there are 4 EHS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	Sherbourne Avenue Ottawa ON K2A 3G1	ESE	85.18	8
	Sherbourne Avenue Ottawa ON K2A 3G1	ESE	85.18	8
	Sherbourne Avenue Ottawa ON K2A 3G1	ESE	85.18	8
	900 Byron Avenue Ottawa ON K2A 0J2	ESE	91.58	9

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jul 31, 2020 has found that there are 7 GEN site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Charlesfort Developments Limited	793 Richmond Road Ottawa ON K2A 0G7	NE	58.75	3
Charlesfort Developments Limited	793 Richmond Road Ottawa ON K2A 0G7	NE	58.75	3
Carastan Carpet Co Limited	793 Richmond Road Ottawa ON K2A 0G7	NE	58.75	3

Lower Elevation	Address	Direction	Distance (m)	Map Key
Unitarian House of Ottawa	20 Cleary Ave Ottawa ON K2A3Z9	NNE	120.96	15
Unitarian House of Ottawa	20 Cleary Ave. 20 Cleary Ave. Ottawa ON K2A 3Z9	NNE	120.96	15
Morrison Hershfield Limited	747 Richmond Road Ottawa ON K2A 1R8	NE	169.28	25
Regional Elevator	727 Richmond Road Ottawa ON K2A 0G6	NE	242.05	47

HINC - TSSA Historic Incidents

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

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	2030 KNIGHTSBRIDGE ROAD OTTAWA ON K2A 0P9	SE	249.45	53

PINC - Pipeline Incidents

A search of the PINC database, dated Oct 31, 2020 has found that there are 3 PINC site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
ENBRIDGE GAS INC	2045 HONEYWELL AVE,,OTTAWA, ON,K2A 0P7,CA ON	SSE	168.43	24
PIPELINE HIT - 1/2"	545 ROWANWOOD AVE,,OTTAWA, ON,K2A 3C9,CA ON	E	249.60	54

Lower Elevation	Address	Direction	Distance (m)	Map Key
	Cleary Avenue & Richmond Road, Ottawa ON	ENE	102.89	12

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Jan 2021 has found that there are 1 RSC site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Charlesfort Developments Limited	761 and 793 Richmond Road, Ottawa, Ontario, K2A 0G7 OTTAWA ON K2A 0G7	NE	58.75	3

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 3 SCT site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Dentech Inc.	797 Richmond Rd Ottawa ON K2A 0G7	-	0.00	1
PhotoCAD Inc.	66 Aylen Ave Ottawa ON K2A 3P9	W	222.72	38

Lower Elevation	Address	Direction	Distance (m)	Map Key
Signs in 23 Hours, Inc.	747 Richmond Rd Unit B Ottawa ON K2A 0G6	NE	169.28	25

SPL - Ontario Spills

A search of the SPL database, dated 1988-Mar 2020; Jul 2020 - Aug 2020 has found that there are 4 SPL site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Enbridge Gas Distribution Inc.	2045 Honeywell Ave Ottawa ON	SSE	168.43	24
Kiewit Eurovia Vinci	Ottawa ON	SSW	195.64	32

Lower Elevation	Address	Direction	Distance (m)	Map Key
	Richmond Rd and Cleary Ave Ottawa ON	ENE	102.89	12
Enbridge Gas Distribution Inc.	Cleary at Richmond Roads Ottawa ON	ENE	102.89	12

WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2020 has found that there are 42 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	BYRON LINEAR PARK OTTAWA ON ***Well ID:*** 7296572	ESE	39.42	2
	747 RICHMOND RD BYRON LWEAR PARK OTTAWA ON ***Well ID:*** 7292237	ENE	83.13	6
	BYRON LINEAR PARK OTTAWA ON ***Well ID:*** 7296573	S	119.59	14
	ON ***Well ID:*** 1508587	E	121.50	16

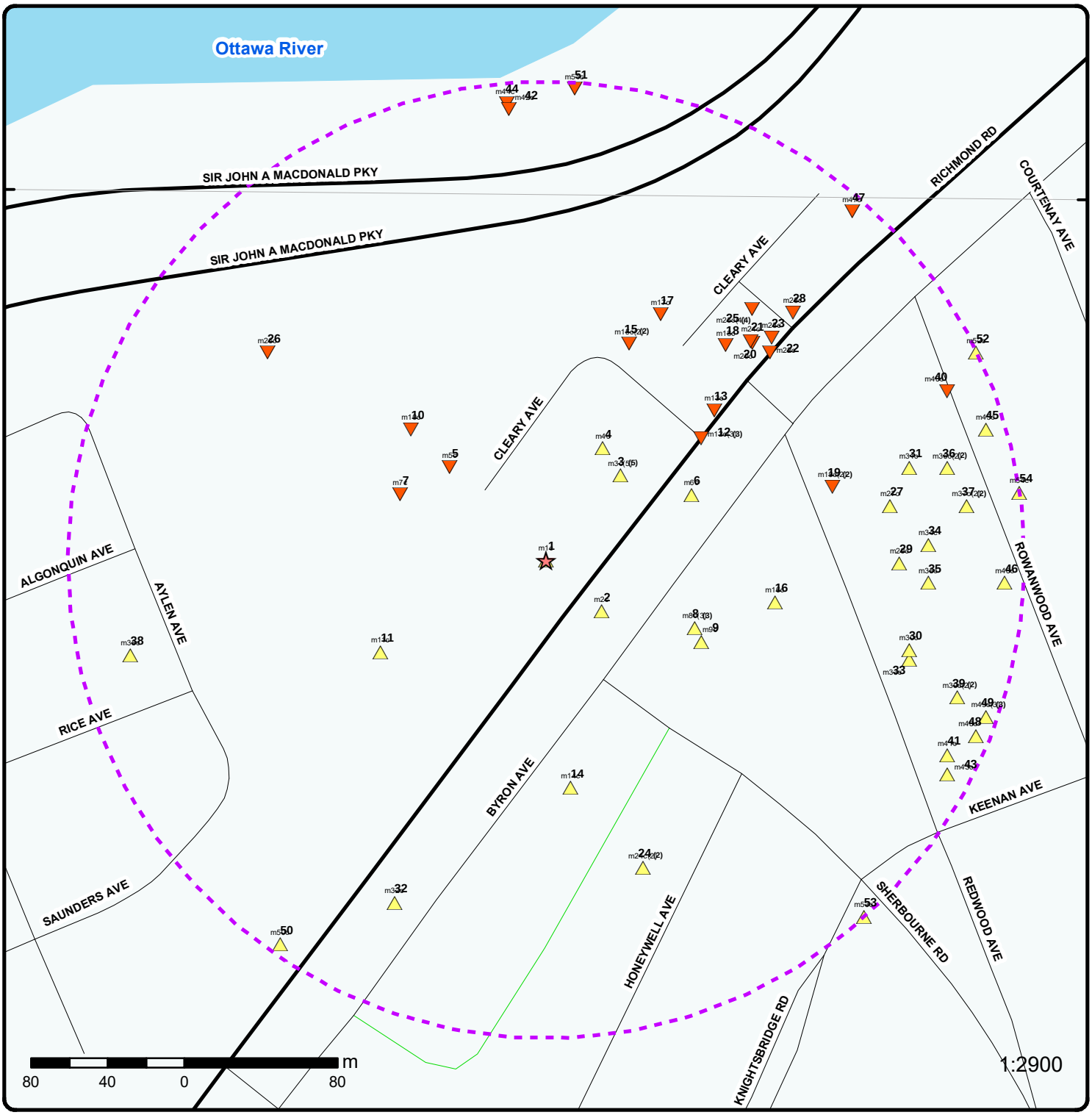
Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	lot 28 con 1 ON ***Well ID:*** 1503959	E	181.69	27
	lot 28 con 1 ON ***Well ID:*** 1503951	E	184.52	29
	ON ***Well ID:*** 1508588	E	195.23	30
	lot 28 con 1 ON ***Well ID:*** 1503944	E	195.52	31
	lot 28 con 1 ON ***Well ID:*** 1503940	E	196.49	33
	lot 28 con 1 ON ***Well ID:*** 1503941	E	199.67	34
	lot 28 con 1 ON ***Well ID:*** 1503950	E	199.86	35
	lot 27 con 1 ON ***Well ID:*** 1503915	E	214.96	36
	lot 27 con 1 ON ***Well ID:*** 1503916	E	214.96	36
	lot 27 con 1 ON ***Well ID:*** 1503917	E	221.30	37
	lot 27 con 1 ON ***Well ID:*** 1503918	E	221.30	37
	lot 27 con 1 ON	ESE	226.24	39

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	Well ID: 1503909			
	lot 27 con 1 ON ***Well ID:*** 1503938	ESE	226.24	39
	ON ***Well ID:*** 1509072	ESE	232.97	41
	lot 27 con 1 ON ***Well ID:*** 1503931	ESE	237.52	43
	lot 28 con 1 ON ***Well ID:*** 1503942	ENE	239.40	45
	lot 27 con 1 ON ***Well ID:*** 1503913	E	239.80	46
	lot 27 con 1 ON ***Well ID:*** 1503930	ESE	242.59	48
	lot 27 con 1 ON ***Well ID:*** 1503933	ESE	243.68	49
	lot 27 con 1 ON ***Well ID:*** 1503935	ESE	243.68	49
	lot 27 con 1 ON ***Well ID:*** 1503936	ESE	243.68	49
	lot 27 con 1 ON ***Well ID:*** 1503911	ENE	249.18	52

Lower Elevation	Address	Direction	Distance (m)	Map Key
	30 CLEARY AVE OTTAWA ON	WNW	83.47	7

Well ID: 7162152			
RICHMOND RD. & CLEARLY ON ***Well ID:*** 7293182	ENE	117.52	13
ON ***Well ID:*** 7293486	NNE	141.37	17
747 RICHMOND RD OTTAWA ON ***Well ID:*** 7305505	NE	146.17	18
ON ***Well ID:*** 1508585	E	154.29	19
ON ***Well ID:*** 1508586	E	154.29	19
747 RICHMOND RD OTTAWA ON ***Well ID:*** 7305504	NE	156.25	20
747 RICHMOND RD OTTAWA ON ***Well ID:*** 7305506	NE	156.29	21
RICHMOND ROAD & CLEARY ON ***Well ID:*** 7293198	ENE	159.15	22
RICHMOND ROAD & CLEARY Ottawa ON ***Well ID:*** 7293199	NE	165.40	23
ON ***Well ID:*** 1508762	NE	169.28	25
ON ***Well ID:*** 1508425	WNW	181.25	26
RICHMOND ROAD Ottawa ON ***Well ID:*** 7293181	NE	182.37	28

lot 27 con 1 ON ***Well ID:*** 1503914	ENE	227.28	**40**
ON ***Well ID:*** 1507811	N	235.91	**42**
Ottawa ON ***Well ID:*** 7316808	N	246.54	**51**



Map: 0.25 Kilometer Radius

Order Number: 21021700041

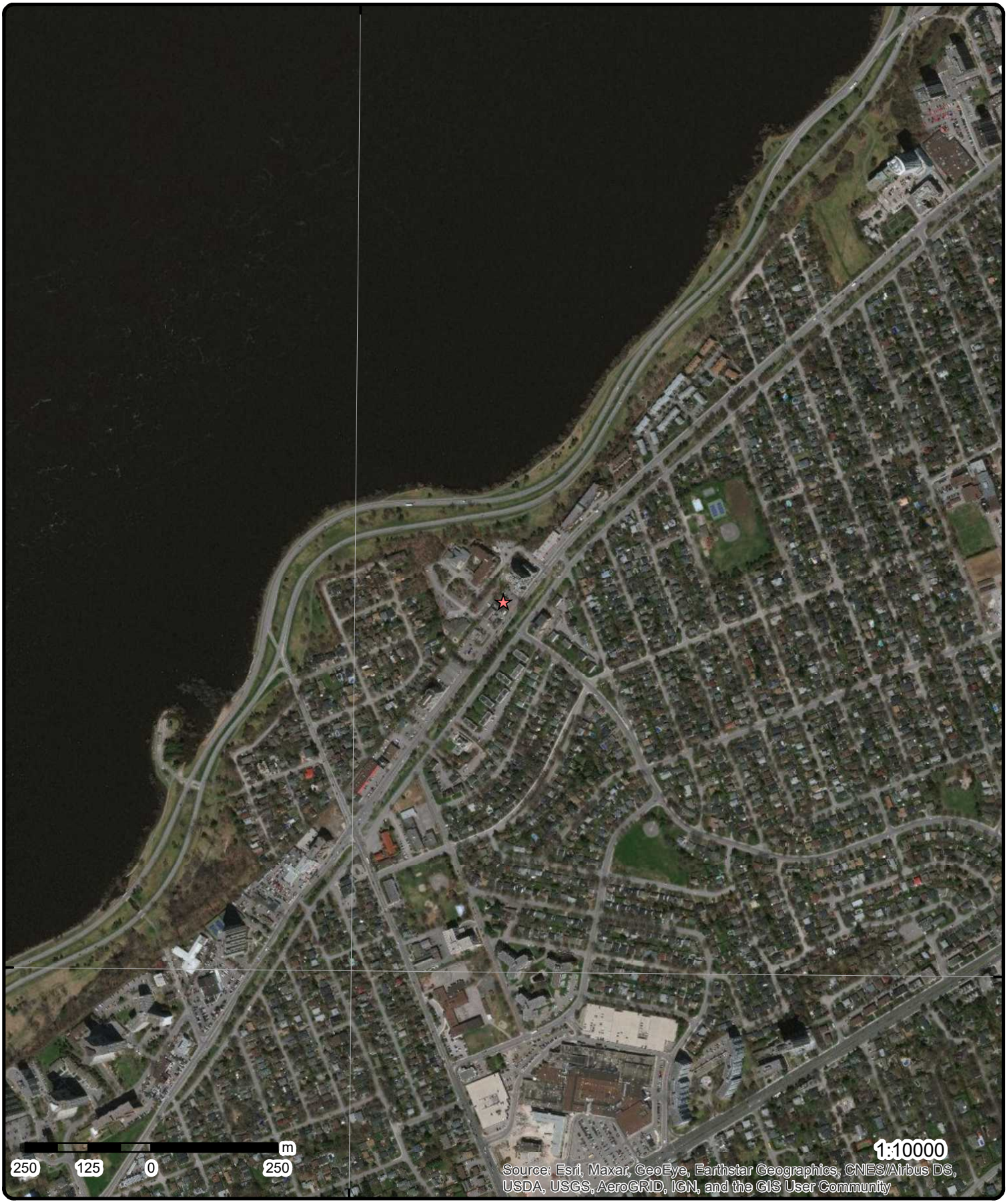
Address: 797 Richmond Road, Ottawa, ON

ENVIRONMENTAL RISK INFORMATION SERVICES

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

Source: © 2015 DMTI Spatial Inc.

75°46'30"W



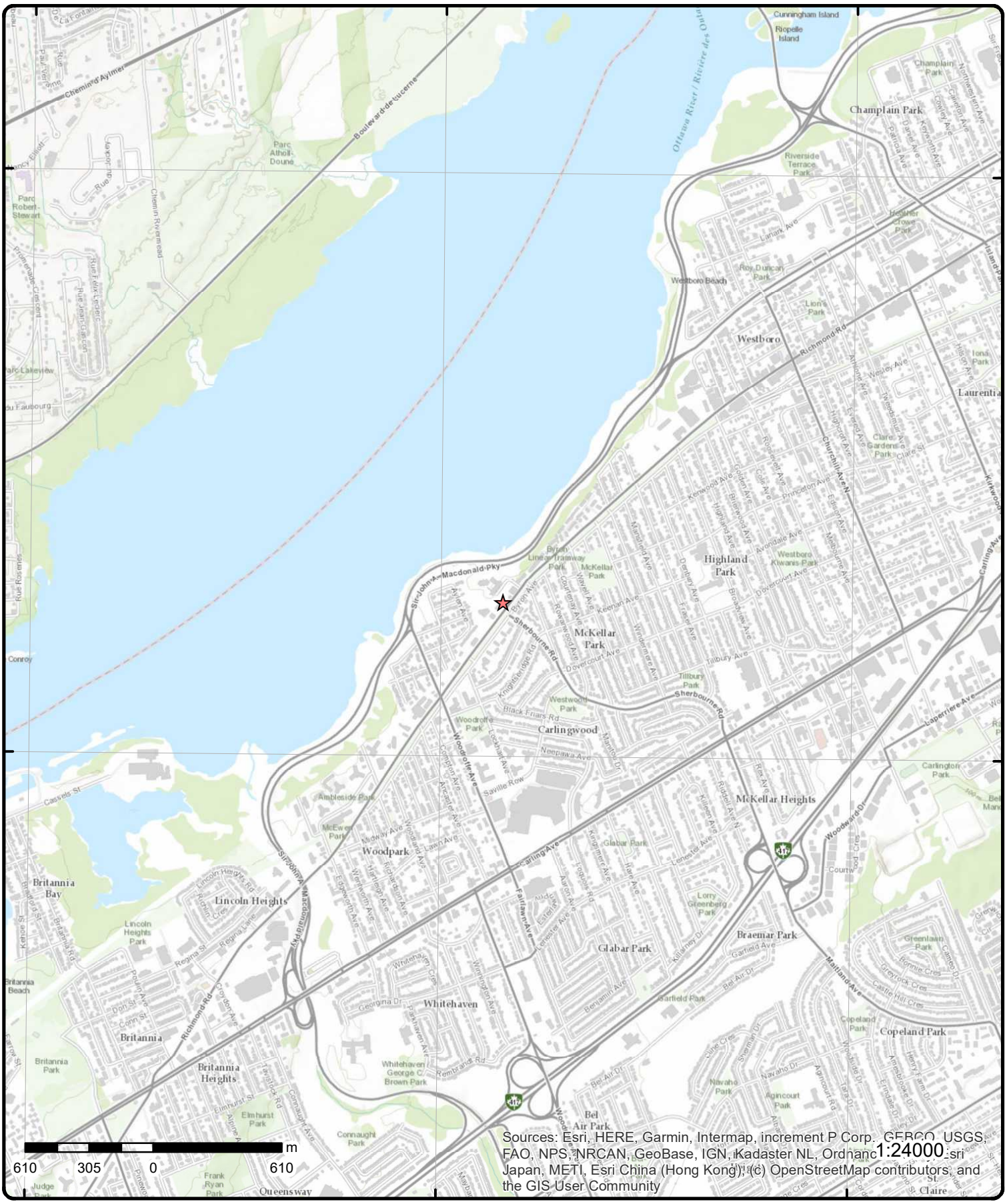
Aerial **Year: 2019**

Address: 797 Richmond Road, Ottawa, ON

Source: ESRI World Imagery

Order Number: 21021700041

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



Topographic Map

Address: 797 Richmond Road, ON

Source: ESRI World Topographic Map

Order Number: 21021700041

ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	-/0.0	63.6 / 0.80	Dentech Inc. 797 Richmond Rd Ottawa ON K2A 0G7	SCT

Established:
Plant Size (ft²):
Employment:

--Details--
Description: Medical Equipment and Supplies Manufacturing
SIC/NAICS Code: 339110

Description: Medical Equipment and Supplies Manufacturing
SIC/NAICS Code: 339110

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	ESE/39.4	63.9 / 1.05	BYRON LINEAR PARK OTTAWA ON	WWIS

Well ID:	7296572	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Test Hole	***Date Received:***	10/5/2017
Sec. Water Use:	Monitoring	***Selected Flag:***	Yes
Final Well Status:	Observation Wells	***Abandonment Rec:***	
Water Type:		***Contractor:***	7241
Casing Material:		***Form Version:***	7
Audit No:	Z250788	***Owner:***	
Tag:	A189927	***Street Name:***	BYRON LINEAR PARK
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006758601	***Elevation:***	64.617271
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	439650
Code OB Desc:		***North83:***	5025607
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	9/14/2017	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			

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

Overburden and Bedrock Materials Interval

Formation ID: 1006953238
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 0
Formation End Depth: 1.21
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1006953240
Layer: 3
Color: 2
General Color: GREY
Mat1: 06
Most Common Material: SILT
Mat2:
Mat2 Desc:
Mat3: 91
Mat3 Desc: WATER-BEARING
Formation Top Depth: 2.43
Formation End Depth: 4.57
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1006953241
Layer: 4
Color: 2
General Color: GREY
Mat1: 06
Most Common Material: SILT
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 91
Mat3 Desc: WATER-BEARING
Formation Top Depth: 4.57
Formation End Depth: 7.31
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1006953239
Layer: 2

Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	28
Mat2 Desc:	SAND
Mat3:	11
Mat3 Desc:	GRAVEL
Formation Top Depth:	1.21
Formation End Depth:	2.43
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006953251
Layer:	3
Plug From:	3.96
Plug To:	7.31
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006953250
Layer:	2
Plug From:	0.31
Plug To:	3.96
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006953249
Layer:	1
Plug From:	0
Plug To:	0.31
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1006953248
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1006953237
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006953244
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0

Depth To:	4.26
Casing Diameter:	5.2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006953245
Layer:	1
Slot:	10
Screen Top Depth:	4.26
Screen End Depth:	7.31
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	6.03

Water Details

Water ID:	1006953243
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006953242
Diameter:	15.24
Depth From:	0
Depth To:	7.31
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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3 | ***1 of 5*** | ***NE/58.7*** | ***62.9 / 0.05*** | ***BAKER'S DOZEN DONUTS***
793 RICHMOND ST.
OTTAWA CITY ON K2A 0G7 | ***CA***

Certificate #:	8-4008-88-
Application Year:	88
Issue Date:	3/4/1988
Approval Type:	Industrial air
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	KITCHEN EXHAUST
Contaminants:	Odour/Fumes
Emission Control:	No Controls

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3 | ***2 of 5*** | ***NE/58.7*** | ***62.9 / 0.05*** | ***Carastan Carpet Co Limited***
793 Richmond Road
Ottawa ON K2A 0G7 | ***GEN***

Generator No:	ON6548991	**PO Box No:**	
Status:		**Country:**	
Approval Years:	05	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	

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

MHSW Facility: ***Phone No Admin:***
SIC Code: 442210
SIC Description: Floor Covering Stores

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

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3 ***3 of 5*** ***NE/58.7*** ***62.9 / 0.05*** ***Charlesfort Developments Limited*** ***RSC***
761 and 793 Richmond Road, Ottawa, Ontario, K2A 0G7
OTTAWA ON K2A 0G7

RSC ID: 54112 ***Cert Date:*** 14-May-09
RA No: ***Cert Prop Use No:*** No CPU
RSC Type: ***Intended Prop Use:*** Residential
Curr Property Use: Commercial ***Qual Person Name:*** John Davis
Ministry District: OTTAWA ***Stratified (Y/N):***
Filing Date: 12-Jun-09 ***Audit (Y/N):***
Date Ack: ***Entire Leg Prop. (Y/N):*** Yes
Date Returned: ***Accuracy Estimate:*** 0 to 1 meters
Restoration Type: ***Telephone:*** 613-2330044
Soil Type: ***Fax:*** 613-2330955
Criteria: ***Email:*** jdavis@charlesfort.ca
CPU Issued Sect 1686: No
Asmt Roll No: 0614.094.902.07400.0000 and 0614.094.902.07500.0000
Prop ID No (PIN): 04751-0117 and 04751-0118
Property Municipal Address: 761 and 793 Richmond Road, Ottawa, Ontario, K2A 0G7
Mailing Address: 787 BANK ST, OTTAWA, ON, K1S 3V5
Latitude & Latitude: 45.38201740N 75.77072640W (converted from UTM)
UTM Coordinates: NAD83 18-439660-5025678
Consultant:
Legal Desc: Part Lot 27, Concession 1, (Ottawa Front), Geographic Township of Nepean, City of Ottawa being all of PINs 04751-0117and 04751-0118
Measurement Method: Digitized from a map
Applicable Standards: Full Depth Site Conditions Standard, with Nonpotable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use
RSC PDF:

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3 ***4 of 5*** ***NE/58.7*** ***62.9 / 0.05*** ***Charlesfort Developments Limited*** ***GEN***
793 Richmond Road
Ottawa ON K2A 0G7

Generator No: ON5917840 ***PO Box No:***
Status: ***Country:***
Approval Years: 07,08 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No Admin:***
SIC Code: 236110
SIC Description: Residential Building Construction

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	5 of 5	NE/58.7	62.9 / 0.05	Charlesfort Developments Limited 793 Richmond Road Ottawa ON K2A 0G7	GEN

Generator No: ON5917840
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 236110
SIC Description: Residential Building Construction

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

Detail(s)

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	1 of 1	NE/65.3	62.9 / 0.05	ON	BORE

Borehole ID: 611043
OGF ID: 215512544
Status:
Type: Borehole
Use:
Completion Date:
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: -999
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 62.5
Elev Reliabil Note:
DEM Ground Elev m: 63.8
Concession:
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:
Latitude DD: 45.382144
Longitude DD: -75.770847
UTM Zone: 18
Easting: 439651
Northing: 5025692
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218387319
Top Depth: 11
Bottom Depth: 11.6
Material Color:
Material 1: Sand
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: SAND.

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Geology Stratum ID: 218387317
Top Depth: 0
Bottom Depth: 9.1
Material Color:
Material 1: Clay
Material 2:

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:

Material 3: **Geologic Period:**
Material 4: **Depositional Gen:**
Gsc Material Description:
Stratum Description: CLAY.

Geology Stratum ID: 218387318 **Mat Consistency:**
Top Depth: 9.1 **Material Moisture:**
Bottom Depth: 11 **Material Texture:**
Material Color: **Non Geo Mat Type:**
Material 1: Till **Geologic Formation:**
Material 2: **Geologic Group:**
Material 3: **Geologic Period:**
Material 4: **Depositional Gen:**
Gsc Material Description:
Stratum Description: TILL.

Geology Stratum ID: 218387320 **Mat Consistency:** Dense
Top Depth: 11.6 **Material Moisture:**
Bottom Depth: **Material Texture:**
Material Color: **Non Geo Mat Type:**
Material 1: Bedrock **Geologic Formation:**
Material 2: **Geologic Group:**
Material 3: **Geologic Period:**
Material 4: **Depositional Gen:**
Gsc Material Description:
Stratum Description: BEDROCK. UNSPECIFIED,TILL, SILT. DENSE. UNSPECIFIED,TILL, SILT. DENSE. BEDROCK. 00000 0 **Note: Many records provided by the department have a truncated [Stratum Description] field.

Source

Source Type: Data Survey **Source Appl:** Spatial/Tabular
Source Orig: Geological Survey of Canada **Source Iden:** 1
Source Date: 1956-1972 **Scale or Res:** Varies
Confidence: H **Horizontal:** NAD27
Observatio: **Verticalda:** Mean Average Sea Level
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 035510 NTS_Sheet: 31G05F
Confiden 1: Logged by professional. Exact and complete description of material and properties.

Source List

Source Identifier: 1 **Horizontal Datum:** NAD27
Source Type: Data Survey **Vertical Datum:** Mean Average Sea Level
Source Date: 1956-1972 **Projection Name:** Universal Transverse Mercator
Scale or Resolution: Varies
Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada

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5 ***1 of 1*** ***WNW/69.9*** ***61.9 / -0.95*** ***ON*** ***BORE***

Borehole ID: 611042 **Inclin FLG:** No
OGF ID: 215512543 **SP Status:** Initial Entry
Status: **Surv Elev:** No
Type: Borehole **Piezometer:** No
Use: **Primary Name:**
Completion Date: SEP-1965 **Municipality:**
Static Water Level: **Lot:**
Primary Water Use: **Township:**
Sec. Water Use: **Latitude DD:** 45.382047
Total Depth m: 4.1 **Longitude DD:** -75.771868
Depth Ref: Ground Surface **UTM Zone:** 18
Depth Elev: **Easting:** 439571

Drill Method:		***Northing:***	5025682
Orig Ground Elev m:	59.8	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	62.4		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218387316	***Mat Consistency:***	
Top Depth:	2.4	***Material Moisture:***	
Bottom Depth:	4.1	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Bedrock	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	BEDROCK. 00000 023 00050 010 000000180005001800090014007ND. BEDROCK,LIMESTONE, D **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218387315	***Mat Consistency:***	Dense
Top Depth:	1.8	***Material Moisture:***	
Bottom Depth:	2.4	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Unknown	***Geologic Formation:***	
Material 2:	Till	***Geologic Group:***	
Material 3:	Silt	***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	UNSPECIFIED,TILL, SILT. DENSE.		

Geology Stratum ID:	218387313	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	1.5	***Material Texture:***	Fine
Material Color:		***Non Geo Mat Type:***	
Material 1:		***Geologic Formation:***	
Material 2:	Sand	***Geologic Group:***	
Material 3:	Clay	***Geologic Period:***	
Material 4:	Wood Fragments	***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	ARTIFICIAL,SAND VERY FINE,CLAY,WOOD.		

Geology Stratum ID:	218387314	***Mat Consistency:***	Dense
Top Depth:	1.5	***Material Moisture:***	
Bottom Depth:	1.8	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Unknown	***Geologic Formation:***	
Material 2:	Till	***Geologic Group:***	
Material 3:	Silt	***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	UNSPECIFIED,TILL, SILT. DENSE.		

Source

Source Type:	Data Survey	***Source Appl:***	Spatial/Tabular
Source Orig:	Geological Survey of Canada	***Source Iden:***	1
Source Date:	1956-1972	***Scale or Res:***	Varies
Confidence:	H	***Horizontal:***	NAD27
Observatio:		***Verticalda:***	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		

Source Details: File: OTTAWA1.txt RecordID: 035500 NTS_Sheet: 31G05F
Confiden 1: Logged by professional. Exact and complete description of material and properties.

Source List

Source Identifier: 1
Source Type: Data Survey
Source Date: 1956-1972
Scale or Resolution: Varies
Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada
Horizontal Datum: NAD27
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transverse Mercator

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6 | **1 of 1** | **ENE/83.1** | **63.0 / 0.18** | **747 RICHMOND RD BYRON LWEAR PARK OTTAWA ON** | **WWIS**

Well ID: 7292237
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z245021
Tag: A215081
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:

PDF URL (Map):

Data Entry Status:
Data Src:
Date Received: 8/9/2017
Selected Flag: Yes
Abandonment Rec:
Contractor: 1844
Form Version: 7
Owner:
Street Name: 747 RICHMOND RD BYRON LWEAR PARK
County: OTTAWA
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1006711669
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 6/19/2017
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation: 64.478637
Elevrc:
Zone: 18
East83: 439697
North83: 5025668
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1006843163
Layer: 3
Color:

General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	34
Mat2 Desc:	TILL
Mat3:	84
Mat3 Desc:	SILTY
Formation Top Depth:	2.7
Formation End Depth:	12.19
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006843162
Layer:	2
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Mat2 Desc:	SILT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1.2
Formation End Depth:	2.7
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006843161
Layer:	1
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	1.2
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1006843170
Layer:	1
Plug From:	0.3
Plug To:	8.8
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1006843169
Method Construction Code:	F
Method Construction:	H.S.A.
Other Method Construction:	

Pipe Information

Pipe ID:	1006843160
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006843166
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	
Depth To:	
Casing Diameter:	5.08
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1006843167
Layer:	1
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	5.88

Water Details

Water ID:	1006843165
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	9.82
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1006843164
Diameter:	20.3
Depth From:	0
Depth To:	12.19
Hole Depth UOM:	m
Hole Diameter UOM:	cm

7	***1 of 1***	***WNW/83.5***	***62.4 / -0.41***	***30 CLEARY AVE OTTAWA ON***	***WWIS***

Well ID:	7162152	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Domestic	***Date Received:***	4/20/2011
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3749
Casing Material:		***Form Version:***	7
Audit No:	Z103275	***Owner:***	
Tag:	A089793	***Street Name:***	30 CLEARY AVE
Construction Method:		***County:***	OTTAWA

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

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/716\7162152.pdf

Bore Hole Information

Bore Hole ID:	1003502128	**Elevation:**	61.822704
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	439545
Code OB Desc:		**North83:**	5025668
Open Hole:		**Org CS:**	dmi83
Cluster Kind:		**UTMRC:**	2
Date Completed:	4/13/2011	**UTMRC Desc:**	margin of error : 3 - 10 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1003883357
Layer:	1
Color:	
General Color:	
Mat1:	34
Most Common Material:	TILL
Mat2:	
Mat2 Desc:	
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	0
Formation End Depth:	8
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1003883358
Layer:	2
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	8
Formation End Depth:	65

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1003883360
Layer: 4
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 104
Formation End Depth: 380
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1003883359
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 65
Formation End Depth: 104
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1003883396
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1003883395
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 1003883355
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID:	1003883366
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-1.5
Depth To:	20
Casing Diameter:	5.625
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1003883367
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID:	1003883356
Pump Set At:	320
Static Level:	8
Final Level After Pumping:	151
Recommended Pump Depth:	330
Pumping Rate:	5
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	0
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	

Draw Down & Recovery

Pump Test Detail ID:	1003883375
Test Type:	Recovery
Test Duration:	4
Test Level:	127
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1003883372
Test Type:	Draw Down
Test Duration:	3
Test Level:	27
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1003883385
Test Type:	Recovery

Test Duration: 25
Test Level: 104
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003883369
Test Type: Recovery
Test Duration: 1
Test Level: 134
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003883373
Test Type: Recovery
Test Duration: 3
Test Level: 129
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003883380
Test Type: Draw Down
Test Duration: 15
Test Level: 70
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003883378
Test Type: Draw Down
Test Duration: 10
Test Level: 56
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003883381
Test Type: Recovery
Test Duration: 15
Test Level: 116
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003883390
Test Type: Draw Down
Test Duration: 50
Test Level: 139
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003883384
Test Type: Draw Down
Test Duration: 25
Test Level: 101
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003883379
Test Type: Recovery
Test Duration: 10
Test Level: 122
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003883376
Test Type: Draw Down
Test Duration: 5
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003883392
Test Type: Draw Down
Test Duration: 60
Test Level: 151
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003883377
Test Type: Recovery
Test Duration: 5
Test Level: 126
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003883386
Test Type: Draw Down
Test Duration: 30
Test Level: 116
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003883387
Test Type: Recovery
Test Duration: 30
Test Level: 100
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003883382
Test Type: Draw Down
Test Duration: 20
Test Level: 87
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003883368

Test Type: Draw Down
Test Duration: 1
Test Level: 10
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003883391
Test Type: Recovery
Test Duration: 50
Test Level: 83
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003883388
Test Type: Draw Down
Test Duration: 40
Test Level: 126
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003883371
Test Type: Recovery
Test Duration: 2
Test Level: 130
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003883383
Test Type: Recovery
Test Duration: 20
Test Level: 110
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003883370
Test Type: Draw Down
Test Duration: 2
Test Level: 19
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003883393
Test Type: Recovery
Test Duration: 60
Test Level: 74
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003883389
Test Type: Recovery
Test Duration: 40
Test Level: 90
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	1003883374
Test Type:	Draw Down
Test Duration:	4
Test Level:	33
Test Level UOM:	ft

Water Details

Water ID:	1003883363
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	170
Water Found Depth UOM:	ft

Water Details

Water ID:	1003883364
Layer:	2
Kind Code:	8
Kind:	Untested
Water Found Depth:	217
Water Found Depth UOM:	ft

Water Details

Water ID:	1003883365
Layer:	3
Kind Code:	8
Kind:	Untested
Water Found Depth:	345
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1003883362
Diameter:	10
Depth From:	0
Depth To:	20
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Hole Diameter

Hole ID:	1003883361
Diameter:	6
Depth From:	20
Depth To:	380
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	1 of 3	ESE/85.2	65.0 / 2.14	Sherbourne Avenue Ottawa ON K2A 3G1	EHS

Order No:	20200508053	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Standard Report	***Client Prov/State:***	ON

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

Report Date:	13-MAY-20	**Search Radius (km):**	.25	
Date Received:	08-MAY-20	**X:**	-75.7702227	
Previous Site Name:		**Y:**	45.3813054	
Lot/Building Size:				
Additional Info Ordered:				

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8 | **2 of 3** | **ESE/85.2** | **65.0 / 2.14** | **Sherbourne Avenue**
Ottawa ON K2A 3G1 | **EHS**

Order No:	20200508053	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	13-MAY-20	**Search Radius (km):**	.25
Date Received:	08-MAY-20	**X:**	-75.7702227
Previous Site Name:		**Y:**	45.3813054
Lot/Building Size:			
Additional Info Ordered:			

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8 | **3 of 3** | **ESE/85.2** | **65.0 / 2.14** | **Sherbourne Avenue**
Ottawa ON K2A 3G1 | **EHS**

Order No:	20200508053	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	13-MAY-20	**Search Radius (km):**	.25
Date Received:	08-MAY-20	**X:**	-75.7702227
Previous Site Name:		**Y:**	45.3813054
Lot/Building Size:			
Additional Info Ordered:			

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9 | **1 of 1** | **ESE/91.6** | **65.0 / 2.14** | **900 Byron Avenue**
Ottawa ON K2A 0J2 | **EHS**

Order No:	20100430040	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	5/7/2010	**Search Radius (km):**	0.25
Date Received:	4/30/2010	**X:**	-75.770178
Previous Site Name:		**Y:**	45.381238
Lot/Building Size:			
Additional Info Ordered:			

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10 | **1 of 1** | **NW/98.1** | **61.6 / -1.26** | **ON** | **BORE**

Borehole ID:	611044	**Inclin FLG:**	No
OGF ID:	215512545	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	MAY-1964	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.382225
Total Depth m:	3.9	**Longitude DD:**	-75.772126
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	439551
Drill Method:		**Northing:**	5025702
Orig Ground Elev m:	61	**Location Accuracy:**	

Elev Reliabil Note: ***Accuracy:*** Not Applicable
DEM Ground Elev m: 61.5
Concession:
Location D:
Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID: 218387322 ***Mat Consistency:*** Loose
Top Depth: 1.2 ***Material Moisture:***
Bottom Depth: 1.5 ***Material Texture:*** Fine to Medium
Material Color: ***Non Geo Mat Type:***
Material 1: Sand ***Geologic Formation:***
Material 2: ***Geologic Group:***
Material 3: ***Geologic Period:***
Material 4: ***Depositional Gen:***
Gsc Material Description:
Stratum Description: SAND-FINE TO MEDIUM.LOOSE.

Geology Stratum ID: 218387325 ***Mat Consistency:*** Dense
Top Depth: 2.3 ***Material Moisture:***
Bottom Depth: 2.3 ***Material Texture:***
Material Color: ***Non Geo Mat Type:***
Material 1: Unknown ***Geologic Formation:***
Material 2: Till ***Geologic Group:***
Material 3: ***Geologic Period:***
Material 4: ***Depositional Gen:***
Gsc Material Description:
Stratum Description: UNSPECIFIED,TILL. DENSE.

Geology Stratum ID: 218387324 ***Mat Consistency:*** Dense
Top Depth: 1.8 ***Material Moisture:***
Bottom Depth: 2.3 ***Material Texture:***
Material Color: ***Non Geo Mat Type:***
Material 1: Silt ***Geologic Formation:***
Material 2: Clay ***Geologic Group:***
Material 3: Sand ***Geologic Period:***
Material 4: ***Depositional Gen:***
Gsc Material Description:
Stratum Description: SILT,CLAY,SAND. DENSE.

Geology Stratum ID: 218387326 ***Mat Consistency:***
Top Depth: 2.3 ***Material Moisture:***
Bottom Depth: 3.9 ***Material Texture:***
Material Color: Grey ***Non Geo Mat Type:***
Material 1: Bedrock ***Geologic Formation:***
Material 2: ***Geologic Group:***
Material 3: ***Geologic Period:***
Material 4: ***Depositional Gen:***
Gsc Material Description:
Stratum Description: BEDROCK. 0000001800050018000900140070ND. BEDROCK,LIMESTONE, DOLOMITE. GREY,SOUND.

Geology Stratum ID: 218387321 ***Mat Consistency:***
Top Depth: 0 ***Material Moisture:***
Bottom Depth: 1.2 ***Material Texture:***
Material Color: ***Non Geo Mat Type:***
Material 1: ***Geologic Formation:***
Material 2: Wood Fragments ***Geologic Group:***
Material 3: Silt ***Geologic Period:***
Material 4: ***Depositional Gen:***
Gsc Material Description:
Stratum Description: ARTIFICIAL,WOOD,SILT **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	218387323	**Mat Consistency:**	Loose
Top Depth:	1.5	**Material Moisture:**	
Bottom Depth:	1.8	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:	Clay	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILT,CLAY,SAND. LOOSE.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	H	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 035520 NTS_Sheet: 31G05F		
Confiden 1:	Logged by professional. Exact and complete description of material and properties.		

Source List

Source Identifier:	1	**Horizontal Datum:**	NAD27
Source Type:	Data Survey	**Vertical Datum:**	Mean Average Sea Level
Source Date:	1956-1972	**Projection Name:**	Universal Transverse Mercator
Scale or Resolution:	Varies		
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Originators:	Geological Survey of Canada		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
11	1 of 1	WSW/99.1	63.9 / 1.05	The First Unitarian Congregation of Ottawa 40 Cleary Parkway Ottawa ON	ECA

Approval No:	2630-6YDS4B	**MOE District:**	
Approval Date:	2007-02-15	**City:**	
Status:	Approved	**Longitude:**	
Record Type:	ECA	**Latitude:**	
Link Source:	IDS	**Geometry X:**	
SWP Area Name:		**Geometry Y:**	
Approval Type:	ECA-Municipal Drinking Water Systems		
Project Type:	Municipal Drinking Water Systems		
Address:	40 Cleary Parkway		
Full Address:			
Full PDF Link:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
12	1 of 3	ENE/102.9	62.2 / -0.64	Enbridge Gas Distribution Inc. Cleary at Richmond Roads Ottawa ON	SPL

Ref No:	1361-8BHTCK	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:		**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Discharge or Emission to Air	**Sector Type:**	Pipeline
Incident Event:		**Agency Involved:**	
Contaminant Code:	35	**Nearest Watercourse:**	
Contaminant Name:	NATURAL GAS (METHANE)	**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	

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

Environment Impact:	Not Anticipated	**Site Municipality:**	
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	Referral to others	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	11/24/2010	**Site Map Datum:**	
Dt Document Closed:	11/27/2010	**SAC Action Class:**	TSSA - Fuel Safety Branch
Incident Reason:	Error- Operator error	**Source Type:**	
Site Name:	Cleary at Richmond Roads<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	inch and a half damage by contractor		
Contaminant Qty:	0 other - see incident description		

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12 | ***2 of 3*** | ***ENE/102.9*** | ***62.2 / -0.64*** | ***Cleary Avenue & Richmond Road, Ottawa ON*** | ***PINC***

Incident ID:	2647586	**Fuel Category:**	Natural Gas
Incident No:	491276	**Health Impact:**	No
Incident Reported Dt:		**Environment Impact:**	No
Type:	FS-Pipeline Incident	**Property Damage:**	Yes
Status Code:	Pipeline Damage Reason Est	**Service Interupt:**	Yes
Customer Acct Name:		**Enforce Policy:**	Yes
Incident Address:		**Public Relation:**	No
Tank Status:	RC Established	**Pipeline System:**	Transmission pipeline
Task No:	3150470	**Depth:**	35
Spills Action Centre:	1361-8BHTCK	**Pipe Material:**	Plastic
Fuel Type:	Natural Gas	**PSIG:**	53
Fuel Occurrence Tp:	Pipeline Strike	**Attribute Category:**	FS-Perform P-line Inc Invest
Date of Occurrence:	11/24/2010 0:00	**Regulator Location:**	Outside
Occurrence Start Dt:	2011/06/08	**Method Details:**	E-mail
Operation Type:	Construction Site (pipeline strike)		
Pipeline Type:	Main Distribution Pipeline		
Regulator Type:	Service Regulator (up to 60 psi intake)		
Summary:	Cleary Avenue & Richmond Road, Ottawa - 1 1/4" Pipeline Hit		
Reported By:	Todd Stiles - Enbridge		
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)		
Occurrence Desc:	sidewalk replacement		
Damage Reason:	Excavation practices not sufficient		
Notes:	Failed to hand dig		

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12 | ***3 of 3*** | ***ENE/102.9*** | ***62.2 / -0.64*** | ***Richmond Rd and Cleary Ave Ottawa ON*** | ***SPL***

Ref No:	4571-AGGMH3	**Discharger Report:**	
Site No:	NA	**Material Group:**	
Incident Dt:	2016/12/09	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:		**Sector Type:**	Unknown / N/A
Incident Event:	Leak/Break	**Agency Involved:**	
Contaminant Code:	13	**Nearest Watercourse:**	
Contaminant Name:	DIESEL FUEL	**Site Address:**	Richmond Rd and Cleary Ave
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:		**Site Municipality:**	Ottawa
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Land	**Northing:**	
MOE Response:	No	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	

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

MOE Reported Dt:	2016/12/09	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	Land Spills
Incident Reason:	Operator/Human Error	**Source Type:**	
Site Name:	Richmond Road<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	MVA TT: 100L diesel to ground, contained		
Contaminant Qty:	100 L		

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13 | **1 of 1** | **ENE/117.5** | **61.9 / -0.92** | **RICHMOND RD. & CLEARLY ON** | **WWIS**

Well ID:	7293182	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Test Hole	**Date Received:**	8/18/2017
Sec. Water Use:	Monitoring	**Selected Flag:**	Yes
Final Well Status:	Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7241
Casing Material:		**Form Version:**	7
Audit No:	Z258477	**Owner:**	
Tag:	A182666	**Street Name:**	RICHMOND RD. & CLEARLY
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	NEPEAN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006713741	**Elevation:**	63.996212
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	439709
Code OB Desc:		**North83:**	5025712
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	6/16/2017	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006855149
Layer:	1
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL

Mat2:
Mat2 Desc:
Mat3: 77
Mat3 Desc: LOOSE
Formation Top Depth: 0
Formation End Depth: .31
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1006855152
Layer: 4
Color: 2
General Color: GREY
Mat1: 06
Most Common Material: SILT
Mat2: 28
Mat2 Desc: SAND
Mat3: 66
Mat3 Desc: DENSE
Formation Top Depth: 8.2
Formation End Depth: 11
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1006855151
Layer: 3
Color: 2
General Color: GREY
Mat1: 06
Most Common Material: SILT
Mat2: 28
Mat2 Desc: SAND
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 3.1
Formation End Depth: 8.2
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1006855150
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: .31
Formation End Depth: 3.1
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1006855161
Layer: 2
Plug From: 0.31
Plug To: 7.3
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1006855162
Layer: 3
Plug From: 7.3
Plug To: 11
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1006855160
Layer: 1
Plug From: 0
Plug To: 0.31
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1006855159
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 1006855148
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006855155
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 7.9
Casing Diameter: 5.2
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1006855156
Layer: 1
Slot: 10
Screen Top Depth: 7.9
Screen End Depth: 11
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm

Screen Diameter: 6.03

Water Details

Water ID: 1006855154
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1006855153
Diameter: 20.23
Depth From: 0
Depth To: 11
Hole Depth UOM: m
Hole Diameter UOM: cm

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14 | **1 of 1** | **S/119.6** | **65.1 / 2.27** | **BYRON LINEAR PARK OTTAWA ON** | **WWIS**

Well ID: 7296573
Construction Date:
Primary Water Use: Test Hole
Sec. Water Use: Monitoring
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z250787
Tag: A189915
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 10/5/2017
Selected Flag: Yes
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
Street Name: BYRON LINEAR PARK
County: OTTAWA
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Bore Hole Information

Bore Hole ID: 1006758604
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 9/14/2017
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:

Elevation: 65.99662
Elevrc:
Zone: 18
East83: 439634
North83: 5025515
Org CS: UTM83
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: wwr

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	1006953253
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	0
Formation End Depth:	1.21
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006953254
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	28
Mat2 Desc:	SAND
Mat3:	11
Mat3 Desc:	GRAVEL
Formation Top Depth:	1.21
Formation End Depth:	2.43
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006953255
Layer:	3
Color:	2
General Color:	GREY
Mat1:	06
Most Common Material:	SILT
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	91
Mat3 Desc:	WATER-BEARING
Formation Top Depth:	2.43
Formation End Depth:	5.79
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006953265
Layer:	3
Plug From:	2.43
Plug To:	5.79
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006953263
Layer:	1
Plug From:	0
Plug To:	0.31
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006953264
Layer:	2
Plug From:	0.31
Plug To:	2.43
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1006953262
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1006953252
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006953258
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	2.74
Casing Diameter:	5.2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006953259
Layer:	1
Slot:	10
Screen Top Depth:	2.74
Screen End Depth:	5.79
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	6.03

Water Details

Water ID:	1006953257
Layer:	

Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006953256
Diameter: 15.24
Depth From: 0
Depth To: 5.79
Hole Depth UOM: ft
Hole Diameter UOM: inch

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15 ***1 of 2*** ***NNE/121.0*** ***61.2 / -1.64*** ***Unitarian House of Ottawa*** ***GEN***
20 Cleary Ave. 20 Cleary Ave.
Ottawa ON K2A 3Z9

Generator No: ON3250595
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 531112
SIC Description: 531112

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: David Curry
Phone No Admin: 613-722-6690 Ext.

Detail(s)

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

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15 ***2 of 2*** ***NNE/121.0*** ***61.2 / -1.64*** ***Unitarian House of Ottawa*** ***GEN***
20 Cleary Ave
Ottawa ON K2A3Z9

Generator No: ON7442425
Status: Registered
Approval Years: As of Dec 2017
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 146 L
Waste Class Desc: Other specified inorganic sludges, slurries or solids

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16 ***1 of 1*** ***E/121.5*** ***63.3 / 0.52*** ***ON*** ***WWIS***

Well ID: 1508587
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:

Data Entry Status:
Data Src: 1
Date Received: 9/10/1951
Selected Flag: Yes
Abandonment Rec:
Contractor: 3718
Form Version: 1
Owner:
Street Name:
County: OTTAWA

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

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508587.pdf

Bore Hole Information

Bore Hole ID:	10030621	***Elevation:***	65.105606
DP2BR:	90	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	439740.7
Code OB Desc:	Bedrock	***North83:***	5025612
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	6/20/1951	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931010056
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	15
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931010061
Layer:	6
Color:	
General Color:	
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	80
Formation End Depth:	90

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931010059
Layer: 4
Color:
General Color:
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 50
Formation End Depth: 75
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931010060
Layer: 5
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 75
Formation End Depth: 80
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931010057
Layer: 2
Color:
General Color:
Mat1: 13
Most Common Material: BOULDERS
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 15
Formation End Depth: 28
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931010062
Layer: 7
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 90
Formation End Depth: 112
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931010058
Layer: 3
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 28
Formation End Depth: 50
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508587
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10579191
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053877
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 112
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053876
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 90
Casing Diameter: 4
Casing Diameter UOM: inch

Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508587
Pump Set At:
Static Level: 30
Final Level After Pumping: 35
Recommended Pump Depth:
Pumping Rate: 3
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933463156
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 100
Water Found Depth UOM: ft

Water Details

Water ID: 933463157
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 108
Water Found Depth UOM: ft

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17 ***1 of 1*** ***NNE/141.4*** ***61.2 / -1.64*** ***ON*** ***WWIS***

Well ID: 7293486
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status:
Water Type:
Casing Material:
Audit No: C30073
Tag: A215082
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status: Yes
Data Src:
Date Received: 8/29/2017
Selected Flag: Yes
Abandonment Rec:
Contractor: 1844
Form Version: 8
Owner:
Street Name:
County: OTTAWA
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006714150	***Elevation:***	61.860435
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	439681
Code OB Desc:		***North83:***	5025762
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	6/20/2017	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

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18 ***1 of 1*** ***NE/146.2*** ***61.2 / -1.61*** ***747 RICHMOND RD OTTAWA ON*** ***WWIS***

Well ID:	7305505	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Test Hole	***Date Received:***	2/13/2018
Sec. Water Use:	Monitoring	***Selected Flag:***	Yes
Final Well Status:	Test Hole	***Abandonment Rec:***	
Water Type:		***Contractor:***	7241
Casing Material:		***Form Version:***	7
Audit No:	Z277509	***Owner:***	
Tag:	A185780	***Street Name:***	747 RICHMOND RD
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006985379	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	439715
Code OB Desc:		***North83:***	5025746
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	1/3/2017	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	1007144427
Layer:	2
Color:	2
General Color:	GREY
Mat1:	06
Most Common Material:	SILT
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1.21
Formation End Depth:	8.22
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1007144428
Layer:	3
Color:	2
General Color:	GREY
Mat1:	34
Most Common Material:	TILL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	8.22
Formation End Depth:	10.66
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1007144426
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	1.21
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1007144437
Layer:	2
Plug From:	0.31
Plug To:	7.31
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1007144438
Layer:	3
Plug From:	7.31
Plug To:	10.66
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1007144436
Layer:	1
Plug From:	0
Plug To:	0.31
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1007144435
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1007144425
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1007144431
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	7.62
Casing Diameter:	5.2
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1007144432
Layer:	1
Slot:	10
Screen Top Depth:	7.62
Screen End Depth:	10.66
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.03

Water Details

Water ID:	1007144430
Layer:	

Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1007144429
Diameter: 20.95
Depth From: 0
Depth To: 10.66
Hole Depth UOM: m
Hole Diameter UOM: cm

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19 | ***1 of 2*** | ***E/154.3*** | ***61.8 / -1.03*** | ***ON*** | ***WWIS***

Well ID: 1508585
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 5/8/1950
Selected Flag: Yes
Abandonment Rec:
Contractor: 3566
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508585.pdf

Bore Hole Information

Bore Hole ID: 10030619
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 1/21/1950
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 64.333503
Elevrc:
Zone: 18
East83: 439770.7
North83: 5025672
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 931010051

Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	09
Mat2 Desc:	MEDIUM SAND
Mat3:	12
Mat3 Desc:	STONES
Formation Top Depth:	0
Formation End Depth:	77
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931010052
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	77
Formation End Depth:	79
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961508585
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10579189
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930053872
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	79
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508585
Pump Set At:	
Static Level:	42

Final Level After Pumping:	64
Recommended Pump Depth:	
Pumping Rate:	8
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933463152
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	65
Water Found Depth UOM:	ft

Water Details

Water ID:	933463153
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	79
Water Found Depth UOM:	ft

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19 ***2 of 2*** ***E/154.3*** ***61.8 / -1.03*** ***ON*** ***WWIS***

Well ID:	1508586	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	5/8/1950
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3566
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508586.pdf

Bore Hole Information

Bore Hole ID:	10030620	***Elevation:***	64.333503
DP2BR:	81	***Elevrc:***	

Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	439770.7
Code OB Desc:	Bedrock	***North83:***	5025672
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	4/27/1950	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931010055
Layer:	3
Color:	
General Color:	
Mat1:	26
Most Common Material:	ROCK
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	81
Formation End Depth:	181
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931010054
Layer:	2
Color:	
General Color:	
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	40
Formation End Depth:	81
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931010053
Layer:	1
Color:	
General Color:	
Mat1:	13
Most Common Material:	BOULDERS
Mat2:	09
Mat2 Desc:	MEDIUM SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	40

Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961508586
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10579190
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930053874
Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 98
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053873
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 78
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930053875
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 181
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508586
Pump Set At:
Static Level: 48
Final Level After Pumping: 78
Recommended Pump Depth:
Pumping Rate: 5

Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933463155
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	181
Water Found Depth UOM:	ft

Water Details

Water ID:	933463154
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	70
Water Found Depth UOM:	ft

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20 | ***1 of 1*** | ***NE/156.3*** | ***60.8 / -1.98*** | ***747 RICHMOND RD OTTAWA ON*** | ***WWIS***

Well ID:	7305504	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Test Hole	**Date Received:**	2/13/2018
Sec. Water Use:	Monitoring	**Selected Flag:**	Yes
Final Well Status:	Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7241
Casing Material:		**Form Version:**	7
Audit No:	Z277510	**Owner:**	
Tag:	A185781	**Street Name:**	747 RICHMOND RD
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	OTTAWA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006985376	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	439729
Code OB Desc:		**North83:**	5025747

Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	1/3/2017	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1007143746
Layer:	2
Color:	2
General Color:	GREY
Mat1:	06
Most Common Material:	SILT
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1.21
Formation End Depth:	8.22
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1007143747
Layer:	3
Color:	2
General Color:	GREY
Mat1:	34
Most Common Material:	TILL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	8.22
Formation End Depth:	10.66
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1007143745
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	1.21
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1007143755
Layer:	1
Plug From:	0
Plug To:	0.31
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1007143757
Layer:	3
Plug From:	7.31
Plug To:	10.66
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1007143756
Layer:	2
Plug From:	0.31
Plug To:	7.31
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1007143754
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1007143744
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1007143750
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	7.62
Casing Diameter:	5.2
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1007143751
Layer:	1
Slot:	10
Screen Top Depth:	7.62
Screen End Depth:	10.66

Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 6.03

Water Details

Water ID: 1007143749
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1007143748
Diameter: 20.95
Depth From: 0
Depth To: 10.66
Hole Depth UOM: m
Hole Diameter UOM: cm

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21 | ***1 of 1*** | ***NE/156.3*** | ***60.8 / -1.98*** | ***747 RICHMOND RD OTTAWA ON*** | ***WWIS***

Well ID: 7305506
Construction Date:
Primary Water Use: Test Hole
Sec. Water Use: Monitoring
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z277501
Tag: A189874
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:

PDF URL (Map):

Data Entry Status:
Data Src:
Date Received: 2/13/2018
Selected Flag: Yes
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
Street Name: 747 RICHMOND RD
County: OTTAWA
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1006985382
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 1/14/2018
Remarks:
Elevrc Desc:
Location Source Date:

Elevation:
Elevrc:
Zone: 18
East83: 439728
North83: 5025748
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

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

Overburden and Bedrock Materials Interval

Formation ID: 1007144451
Layer: 1
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1007144453
Layer: 3
Color: 2
General Color: GREY
Mat1: 34
Most Common Material: TILL
Mat2:
Mat2 Desc:
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 26
Formation End Depth: 34.5
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1007144452
Layer: 2
Color: 8
General Color: BLACK
Mat1: 21
Most Common Material: GRANITE
Mat2:
Mat2 Desc:
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 1
Formation End Depth: 26
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007144464
Layer: 3
Plug From: 18

Plug To: 23.5
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007144465
Layer: 4
Plug From: 23.5
Plug To: 34.5
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007144463
Layer: 2
Plug From: 1
Plug To: 18
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007144462
Layer: 1
Plug From: 0
Plug To: 1
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1007144461
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe Information

Pipe ID: 1007144450
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1007144457
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 24.5
Casing Diameter: 1.38
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1007144458

Layer:	1
Slot:	10
Screen Top Depth:	24.5
Screen End Depth:	34.5
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	1.66

Water Details

Water ID:	1007144456
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1007144455
Diameter:	2.375
Depth From:	28
Depth To:	34.5
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Hole Diameter

Hole ID:	1007144454
Diameter:	3.5
Depth From:	0
Depth To:	28
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

---

22 | ***1 of 1*** | ***ENE/159.2*** | ***60.8 / -1.98*** | ***RICHMOND ROAD & CLEARY ON*** | ***WWIS***

Well ID:	7293198	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Test Hole	**Date Received:**	8/18/2017
Sec. Water Use:	Monitoring	**Selected Flag:**	Yes
Final Well Status:	Monitoring and Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7241
Casing Material:		**Form Version:**	7
Audit No:	Z258480	**Owner:**	
Tag:	A182669	**Street Name:**	RICHMOND ROAD & CLEARY
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	NEPEAN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006713618	***Elevation:***	63.901561
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	439738
Code OB Desc:		***North83:***	5025742
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	6/29/2017	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006827415
Layer:	4
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	84
Mat3 Desc:	SILTY
Formation Top Depth:	4.57
Formation End Depth:	10.7
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006827413
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	.61
Formation End Depth:	3.1
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006827414
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	28
Mat2 Desc:	SAND

Mat3:
Mat3 Desc:
Formation Top Depth: 3.1
Formation End Depth: 4.57
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1006827412
Layer: 1
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: .61
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1006827425
Layer: 3
Plug From: 7
Plug To: 10.7
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1006827423
Layer: 1
Plug From: 0
Plug To: 0.31
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1006827424
Layer: 2
Plug From: 0.31
Plug To: 7
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1006827422
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 1006827411

Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006827418
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 7.62
Casing Diameter: 5.2
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1006827419
Layer: 1
Slot: 10
Screen Top Depth: 2.62
Screen End Depth: 10.7
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 6.03

Water Details

Water ID: 1006827417
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1006827416
Diameter: 20.23
Depth From: 0
Depth To: 10.7
Hole Depth UOM: m
Hole Diameter UOM: cm

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23 ***1 of 1*** ***NE/165.4*** ***60.8 / -1.98*** ***RICHMOND ROAD & CLEARY Ottawa ON*** ***WWIS***

Well ID: 7293199
Construction Date:
Primary Water Use: Test Hole
Sec. Water Use: Monitoring
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z258478
Tag: A182667
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:

Data Entry Status:
Data Src:
Date Received: 8/18/2017
Selected Flag: Yes
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
Street Name: RICHMOND ROAD & CLEARY
County: OTTAWA
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot:

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

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

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006713621	***Elevation:***	63.811336
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	439739
Code OB Desc:		***North83:***	5025750
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	6/27/2017	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006827464
Layer:	1
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	0
Formation End Depth:	.31
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006827465
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	.31
Formation End Depth:	1.5
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006827467
Layer:	4
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	66
Mat3 Desc:	DENSE
Formation Top Depth:	7.62
Formation End Depth:	10.6
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006827466
Layer:	3
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	1.5
Formation End Depth:	7.62
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006827468
Layer:	5
Color:	2
General Color:	GREY
Mat1:	10
Most Common Material:	COARSE SAND
Mat2:	
Mat2 Desc:	
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	10.6
Formation End Depth:	12.1
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1006827477
Layer:	2
Plug From:	0.31
Plug To:	8.5
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID: 1006827476
Layer: 1
Plug From: 0
Plug To: 0.31
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1006827478
Layer: 3
Plug From: 8.5
Plug To: 12.1
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1006827475
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 1006827463
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006827471
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 9.1
Casing Diameter: 5.2
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1006827472
Layer: 1
Slot: 10
Screen Top Depth: 9.1
Screen End Depth: 12.1
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 6.03

Water Details

Water ID: 1006827470
Layer:
Kind Code:
Kind:

Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1006827469
Diameter: 20.23
Depth From: 0
Depth To: 12.1
Hole Depth UOM: m
Hole Diameter UOM: cm

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24 | ***1 of 2*** | ***SSE/168.4*** | ***66.2 / 3.36*** | ***Enbridge Gas Distribution Inc.*** ***2045 Honeywell Ave*** ***Ottawa ON*** | ***SPL***

Ref No: 8773-BBQJM4
Site No: NA
Incident Dt: 4/30/2019
Year:
Incident Cause:
Incident Event: Leak/Break
Contaminant Code: 35
Contaminant Name: NATURAL GAS (METHANE)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1: 1075
Environment Impact:
Nature of Impact:
Receiving Medium:
Receiving Env: Air
MOE Response: No
Dt MOE Arvl on Scn:
MOE Reported Dt: 4/30/2019
Dt Document Closed: 6/29/2019
Incident Reason: Operator/Human Error
Site Name: 2045 Honeywell Ave, Ottawa<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: TSSA FSB: made safe, Enbridge 1/2" IP plastic line strike
Contaminant Qty: 0 ft³

Discharger Report:
Material Group:
Health/Env Conseq: 2 - Minor Environment
Client Type: Corporation
Sector Type: Miscellaneous Industrial
Agency Involved:
Nearest Watercourse:
Site Address: 2045 Honeywell Ave
Site District Office: Ottawa
Site Postal Code:
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing: 5025485.72
Easting: 439697.05
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: Air Spills - Gases and Vapours
Source Type: Valve/Fitting/Piping

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24 | ***2 of 2*** | ***SSE/168.4*** | ***66.2 / 3.36*** | ***ENBRIDGE GAS INC*** ***2045 HONEYWELL AVE,,OTTAWA,ON,K2A 0P7,*** ***CA*** ***ON*** | ***PINC***

Incident ID:
Incident No: 2569294
Incident Reported Dt: 4/30/2019
Type: FS-Pipeline Incident
Status Code:
Customer Acct Name: ENBRIDGE GAS INC
Incident Address: 2045 HONEYWELL AVE,,OTTAWA,ON,K2A 0P7,CA
Tank Status: Pipeline Damage Reason Est
Task No:
Spills Action Centre:
Fuel Type:
Fuel Occurrence Tp:
Date of Occurrence:
Occurrence Start Dt:

Fuel Category:
Health Impact:
Environment Impact:
Property Damage:
Service Interupt:
Enforce Policy:
Public Relation:
Pipeline System:
Depth:
Pipe Material:
PSIG:
Attribute Category:
Regulator Location:
Method Details:

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

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

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25 | 1 of 4 | NE/169.3 | 60.9 / -1.95 | **Signs in 23 Hours, Inc.**
747 Richmond Rd Unit B
Ottawa ON K2A 0G6 | SCT

Established: 1990
Plant Size (ft²):
Employment:

--Details--
Description: Sign Manufacturing
SIC/NAICS Code: 339950

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25 | 2 of 4 | NE/169.3 | 60.9 / -1.95 | **ON** | WWIS

Well ID: 1508762
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 12/8/1952
Selected Flag: Yes
Abandonment Rec:
Contractor: 4748
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508762.pdf

Bore Hole Information

Bore Hole ID: 10030796
DP2BR: 27
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 7/16/1952
Remarks:
Elevrc Desc:
Location Source Date:

Elevation: 62.822971
Elevrc:
Zone: 18
East83: 439710.7
North83: 5025762
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

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

Overburden and Bedrock Materials Interval

Formation ID:	931010527
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	02
Mat2 Desc:	TOPSOIL
Mat3:	11
Mat3 Desc:	GRAVEL
Formation Top Depth:	0
Formation End Depth:	27
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931010528
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	27
Formation End Depth:	61
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961508762
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10579366
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930054227
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: 930054226
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 31
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508762
Pump Set At:
Static Level: 15
Final Level After Pumping: 30
Recommended Pump Depth:
Pumping Rate: 4
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 15
Flowing: No

Water Details

Water ID: 933463424
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 50
Water Found Depth UOM: ft

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25 | ***3 of 4*** | ***NE/169.3*** | ***60.9 / -1.95*** | ***Morrison Hershfield Limited***
747 Richmond Road
Ottawa ON K2A 1R8 | ***GEN***

Generator No: ON9207424
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 221 L
Waste Class Desc: Light fuels

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
25	4 of 4	NE/169.3	60.9 / -1.95	Peter Kiewit Sons ULC, Eurovia Quebec Grands Projets Inc., Janin Atlas Inc., and Dodin Quebec Inc. 747 Richmond Rd Ottawa ON K1H 1E1	ECA

Approval No: 9166-BQPRHZ
Approval Date: 2020-06-23
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-INDUSTRIAL SEWAGE WORKS
Project Type: INDUSTRIAL SEWAGE WORKS
Address: 747 Richmond Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5850-BMJQD2-14.pdf

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
26	1 of 1	WNW/181.3	62.0 / -0.86	ON	WWIS

Well ID: 1508425
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 9/9/1953
Selected Flag: Yes
Abandonment Rec:
Contractor: 4833
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508425.pdf

Bore Hole Information

Bore Hole ID: 10030459
DP2BR: 0
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 12/8/1952
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 60.720825
Elevrc:
Zone: 18
East83: 439475.7
North83: 5025742
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock

Materials Interval

Formation ID:	931009635
Layer:	1
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	40
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961508425
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10579029
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930053566
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	16
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930053567
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	40
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508425
Pump Set At:	
Static Level:	8
Final Level After Pumping:	
Recommended Pump Depth:	

Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933462920
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	40
Water Found Depth UOM:	ft

27	1 of 1	E/181.7	62.9 / 0.05	lot 28 con 1 ON	WWIS

Well ID:	1503959	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	1/5/1950
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3728
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	OTTAWA CITY (NEPEAN)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	028
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503959.pdf

Bore Hole Information

Bore Hole ID:	10026002	**Elevation:**	63.989559
DP2BR:	100	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	439800.7
Code OB Desc:	Bedrock	**North83:**	5025662
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	12/14/1949	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 930998025
Layer: 2
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 2
Formation End Depth: 12
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998026
Layer: 3
Color:
General Color:
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Mat2 Desc: BOULDERS
Mat3:
Mat3 Desc:
Formation Top Depth: 12
Formation End Depth: 100
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998027
Layer: 4
Color:
General Color:
Mat1: 26
Most Common Material: ROCK
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 100
Formation End Depth: 110
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998024
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961503959
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574572
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930044738
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 100
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930044739
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 110
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991503959
Pump Set At:
Static Level: 10
Final Level After Pumping: 15
Recommended Pump Depth:
Pumping Rate: 12
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1

Pumping Duration HR: 0
Pumping Duration MIN: 15
Flowing: No

Water Details

Water ID: 933456993
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 110
Water Found Depth UOM: ft

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28 | **1 of 1** | **NE/182.4** | **60.9 / -1.95** | **RICHMOND ROAD Ottawa ON** | **WWIS**

Well ID: 7293181
Construction Date:
Primary Water Use: Test Hole
Sec. Water Use: Monitoring
Final Well Status: Test Hole
Water Type:
Casing Material:
Audit No: Z258479
Tag: A182668
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 8/18/2017
Selected Flag: Yes
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
Street Name: RICHMOND ROAD
County: OTTAWA
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Bore Hole Information

Bore Hole ID: 1006713738
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 6/28/2017
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 63.758472
Elevrc:
Zone: 18
East83: 439750
North83: 5025763
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1006855136
Layer: 3

Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	3.1
Formation End Depth:	4.57
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006855134
Layer:	1
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	.61
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006855137
Layer:	4
Color:	2
General Color:	GREY
Mat1:	06
Most Common Material:	SILT
Mat2:	28
Mat2 Desc:	SAND
Mat3:	11
Mat3 Desc:	GRAVEL
Formation Top Depth:	4.57
Formation End Depth:	10.7
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006855135
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	.61
Formation End Depth:	3.1
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1006855145
Layer:	1
Plug From:	0
Plug To:	0.31
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1006855147
Layer:	3
Plug From:	7
Plug To:	10.7
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1006855146
Layer:	2
Plug From:	0.31
Plug To:	7
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1006855144
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1006855133
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006855140
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	7.62
Casing Diameter:	5.2
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1006855141
Layer:	1
Slot:	10
Screen Top Depth:	7.62

Screen End Depth:	10.7
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.03

Water Details

Water ID:	1006855139
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1006855138
Diameter:	20.23
Depth From:	0
Depth To:	10.7
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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29 | ***1 of 1*** | ***E/184.5*** | ***63.1 / 0.31*** | ***lot 28 con 1 ON*** | ***WWIS***

Well ID:	1503951	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	1/5/1950
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3728
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	OTTAWA CITY (NEPEAN)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	028
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503951.pdf

Bore Hole Information

Bore Hole ID:	10025994	**Elevation:**	64.112266
DP2BR:	100	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	439805.7
Code OB Desc:	Bedrock	**North83:**	5025632
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	7/15/1949	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			

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

Overburden and Bedrock Materials Interval

Formation ID: 930998000
Layer: 3
Color:
General Color:
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Mat2 Desc: BOULDERS
Mat3:
Mat3 Desc:
Formation Top Depth: 12
Formation End Depth: 100
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930997999
Layer: 2
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 2
Formation End Depth: 12
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998001
Layer: 4
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 100
Formation End Depth: 115
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930997998
Layer: 1

Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961503951
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574564
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930044721
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 100
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930044722
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 115
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991503951
Pump Set At:
Static Level: 10
Final Level After Pumping: 12
Recommended Pump Depth:
Pumping Rate: 2
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft

Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933456983
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	110
Water Found Depth UOM:	ft

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30 | ***1 of 1*** | ***E/195.2*** | ***63.9 / 1.05*** | ***ON*** | ***WWIS***

Well ID:	1508588	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:		**Date Received:**	8/11/1952
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3718
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	OTTAWA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508588.pdf

Bore Hole Information

Bore Hole ID:	10030622	**Elevation:**	64.559165
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	o	**East83:**	439810.7
Code OB Desc:	Overburden	**North83:**	5025587
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	12/1/1951	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	931010063
Layer:	1
Color:	
General Color:	
Mat1:	13
Most Common Material:	BOULDERS
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	09
Mat3 Desc:	MEDIUM SAND
Formation Top Depth:	0
Formation End Depth:	60
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961508588
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10579192
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930053878
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	55
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

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31 ***1 of 1*** ***E/195.5*** ***62.8 / 0.02*** ***lot 28 con 1 ON*** ***WWIS***

Well ID:	1503944	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	1/5/1950
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3728
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	OTTAWA CITY (NEPEAN)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	028
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	OF
Pump Rate:		***Easting NAD83:***	

Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503944.pdf

Bore Hole Information

Bore Hole ID:	10025987	***Elevation:***	63.821334
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	439810.7
Code OB Desc:	Overburden	***North83:***	5025682
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	5/10/1948	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930997978
Layer:	3
Color:	
General Color:	
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12
Formation End Depth:	90
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997976
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997977
Layer:	2
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	2
Formation End Depth:	12
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961503944
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10574557
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930044707
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	90
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930044706
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	75
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991503944
Pump Set At:	
Static Level:	10
Final Level After Pumping:	15
Recommended Pump Depth:	
Pumping Rate:	12
Flowing Rate:	

Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	15
Flowing:	No

Water Details

Water ID:	933456974
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	90
Water Found Depth UOM:	ft

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32 | ***1 of 1*** | ***SSW/195.6*** | ***65.4 / 2.59*** | ***Kiewit Eurovia Vinci*** | ***SPL***

Ottawa ON

Ref No:	4844-BHTQ4Q	**Discharger Report:**	
Site No:	NA	**Material Group:**	
Incident Dt:	11/11/2019	**Health/Env Conseq:**	2 - Minor Environment
Year:		**Client Type:**	Corporation
Incident Cause:		**Sector Type:**	Miscellaneous Industrial
Incident Event:	Leak/Break	**Agency Involved:**	
Contaminant Code:	15	**Nearest Watercourse:**	
Contaminant Name:	HYDRAULIC OIL	**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	Ottawa
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:	n/a	**Site Region:**	Eastern
Environment Impact:		**Site Municipality:**	Ottawa
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Land	**Northing:**	5025455
MOE Response:	No	**Easting:**	439542
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	11/11/2019	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	Land Spills
Incident Reason:	Equipment Failure	**Source Type:**	Other

Site Name: Woodchipper hydraulic oil spill. 1.5 L to pavement and soils<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: Ottawa LRT: woodchipper 1.5 L hydraulic oil spill.
Contaminant Qty:

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33 | ***1 of 1*** | ***E/196.5*** | ***63.9 / 1.05*** | ***lot 28 con 1 ON*** | ***WWIS***

Well ID:	1503940	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	1/5/1950
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3728
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA

Elevation (m):		**Municipality:**	OTTAWA CITY (NEPEAN)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	028
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	10025983	**Elevation:**	64.54367
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	o	**East83:**	439810.7
Code OB Desc:	Overburden	**North83:**	5025582
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	4/15/1948	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930997965
Layer:	2
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	2
Formation End Depth:	12
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997964
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	2

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930997966
Layer: 3
Color:
General Color:
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Mat2 Desc: BOULDERS
Mat3:
Mat3 Desc:
Formation Top Depth: 12
Formation End Depth: 90
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961503940
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574553
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930044698
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 75
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930044699
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 90
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991503940

Pump Set At:	
Static Level:	10
Final Level After Pumping:	15
Recommended Pump Depth:	
Pumping Rate:	17
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	15
Flowing:	No

Water Details

Water ID:	933456970
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	90
Water Found Depth UOM:	ft

---

34 ***1 of 1*** ***E/199.7*** ***62.9 / 0.12*** ***lot 28 con 1 ON*** ***WWIS***

Well ID:	1503941	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	1/5/1950
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3728
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	OTTAWA CITY (NEPEAN)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	028
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	OF
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503941.pdf

Bore Hole Information

Bore Hole ID:	10025984	***Elevation:***	63.908214
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	439820.7
Code OB Desc:	Overburden	***North83:***	5025642
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	4/15/1948	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			

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

Overburden and Bedrock Materials Interval

Formation ID: 930997968
Layer: 2
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 2
Formation End Depth: 12
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930997969
Layer: 3
Color:
General Color:
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Mat2 Desc: BOULDERS
Mat3:
Mat3 Desc:
Formation Top Depth: 12
Formation End Depth: 90
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930997967
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961503941
Method Construction Code: 1

Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574554
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930044700
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 45
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930044701
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 90
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991503941
Pump Set At:
Static Level: 10
Final Level After Pumping: 15
Recommended Pump Depth:
Pumping Rate: 4
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 15
Flowing: No

Water Details

Water ID: 933456971
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 90
Water Found Depth UOM: ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
35	1 of 1	E/199.9	63.1 / 0.31	lot 28 con 1 ON	WWIS

Well ID:	1503950	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	1/5/1950
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3728
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	OTTAWA CITY (NEPEAN)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	028
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503950.pdf

Bore Hole Information

Bore Hole ID:	10025993	**Elevation:**	64.192169
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	o	**East83:**	439820.7
Code OB Desc:	Overburden	**North83:**	5025622
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	4/15/1949	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930997996
Layer:	2
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	2
Formation End Depth:	12
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	930997995
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997997
Layer:	3
Color:	
General Color:	
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12
Formation End Depth:	90
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961503950
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10574563
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930044719
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	75
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930044720
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	90
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991503950
Pump Set At:	
Static Level:	10
Final Level After Pumping:	15
Recommended Pump Depth:	
Pumping Rate:	12
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	15
Flowing:	No

Water Details

Water ID:	933456982
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	90
Water Found Depth UOM:	ft

---

36 ***1 of 2*** ***E/215.0*** ***63.6 / 0.75*** ***lot 27 con 1 ON*** ***WWIS***

Well ID:	1503915	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	3/23/1949
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3728
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	OTTAWA CITY (NEPEAN)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	027
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503915.pdf

Bore Hole Information

Bore Hole ID:	10025958	***Elevation:***	63.855953
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	439830.7
Code OB Desc:	Overburden	***North83:***	5025682
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	12/15/1948	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930997884
Layer:	2
Color:	
General Color:	
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	40
Formation End Depth:	60
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997883
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	40
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997885
Layer:	3
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 60
Formation End Depth: 90
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961503915
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574528
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930044659
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 90
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991503915
Pump Set At:
Static Level: 12
Final Level After Pumping: 20
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933456943
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 60
Water Found Depth UOM: ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
36	2 of 2	E/215.0	63.6 / 0.75	lot 27 con 1 ON	WWIS

Well ID:	1503916	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	3/23/1949
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3728
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	OTTAWA CITY (NEPEAN)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	027
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503916.pdf

Bore Hole Information

Bore Hole ID:	10025959	**Elevation:**	63.855953
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	o	**East83:**	439830.7
Code OB Desc:	Overburden	**North83:**	5025682
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	12/15/1948	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930997887
Layer:	2
Color:	
General Color:	
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	40
Formation End Depth:	60
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997888
Layer:	3
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	60
Formation End Depth:	90
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997886
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	40
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961503916
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10574529
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930044660
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	90
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991503916
Pump Set At:	
Static Level:	10
Final Level After Pumping:	17
Recommended Pump Depth:	
Pumping Rate:	8
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933456944
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	90
Water Found Depth UOM:	ft

---

37 **1 of 2** **E/221.3** **63.7 / 0.85** **lot 27 con 1 ON** **WWIS**

Well ID:	1503917	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	3/23/1949
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3728
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	OTTAWA CITY (NEPEAN)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	027
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503917.pdf

Bore Hole Information

Bore Hole ID:	10025960	**Elevation:**	64.085975
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	o	**East83:**	439840.7
Code OB Desc:	Overburden	**North83:**	5025662
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	12/15/1948	**UTMRC Desc:**	unknown UTM

Remarks: ***Location Method:*** p9
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 930997889
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 50
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930997890
Layer: 2
Color:
General Color:
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 50
Formation End Depth: 65
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930997892
Layer: 4
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 80
Formation End Depth: 95
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	930997891
Layer:	3
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	65
Formation End Depth:	80
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961503917
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10574530
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930044661
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	95
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991503917
Pump Set At:	
Static Level:	6
Final Level After Pumping:	8
Recommended Pump Depth:	
Pumping Rate:	6
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	45
Flowing:	No

Water Details

Water ID: 933456945
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 90
Water Found Depth UOM: ft

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37 | 2 of 2 | E/221.3 | 63.7 / 0.85 | lot 27 con 1 ON | WWIS

Well ID: 1503918
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 3/23/1949
Selected Flag: Yes
Abandonment Rec:
Contractor: 3728
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: OTTAWA CITY (NEPEAN)
Site Info:
Lot: 027
Concession: 01
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503918.pdf

Bore Hole Information

Bore Hole ID: 10025961
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 12/15/1948
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 64.085975
Elevrc:
Zone: 18
East83: 439840.7
North83: 5025662
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 930997893
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:

Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 50
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930997896
Layer: 4
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 80
Formation End Depth: 95
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930997894
Layer: 2
Color:
General Color:
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 50
Formation End Depth: 65
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930997895
Layer: 3
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 65
Formation End Depth: 80
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961503918
Method Construction Code: 1
Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10574531
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930044662
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 95
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991503918
Pump Set At:
Static Level: 6
Final Level After Pumping: 14
Recommended Pump Depth:
Pumping Rate: 7
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 45
Flowing: No

Water Details

Water ID: 933456946
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 95
Water Found Depth UOM: ft

38	1 of 1	W/222.7	62.9 / 0.05	PhotoCAD Inc. 66 Aylen Ave Ottawa ON K2A 3P9	SCT

Established: 01-JUN-90
Plant Size (ft²): 1000
Employment:

--Details--
Description: Computer Systems Design and Related Services
SIC/NAICS Code: 541510

Description: All Other Wholesaler-Distributors
SIC/NAICS Code: 418990

Description: Industrial Machinery, Equipment and Supplies Wholesaler-Distributors
SIC/NAICS Code: 417230

Description: Industrial Machinery, Equipment and Supplies Wholesaler-Distributors
SIC/NAICS Code: 417230

Description: Drafting Services
SIC/NAICS Code: 541340

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39 | 1 of 2 | ESE/226.2 | 64.0 / 1.20 | lot 27 con 1 ON | WWIS

Well ID:	1503909	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	3/23/1949
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3728
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	OTTAWA CITY (NEPEAN)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	027
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503909.pdf

Bore Hole Information

Bore Hole ID:	10025952	**Elevation:**	64.638145
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	o	**East83:**	439835.7
Code OB Desc:	Overburden	**North83:**	5025562
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	1/1/1948	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID: 930997865
Layer: 3
Color:

General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 60
Formation End Depth: 90
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930997864
Layer: 2
Color:
General Color:
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 40
Formation End Depth: 60
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930997863
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 40
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961503909
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574522
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930044652
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	90
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991503909
Pump Set At:	
Static Level:	9
Final Level After Pumping:	14
Recommended Pump Depth:	
Pumping Rate:	8
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933456936
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	40
Water Found Depth UOM:	ft

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39 | ***2 of 2*** | ***ESE/226.2*** | ***64.0 / 1.20*** | ***lot 27 con 1 ON*** | ***WWIS***

Well ID:	1503938	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	1/20/1950
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4216
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	OTTAWA CITY (NEPEAN)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	027
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503938.pdf

Bore Hole Information

Bore Hole ID:	10025981	***Elevation:***	64.638145
DP2BR:	102	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	439835.7
Code OB Desc:	Bedrock	***North83:***	5025562
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	12/30/1949	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930997958
Layer:	4
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	102
Formation End Depth:	166
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997955
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	50
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997956
Layer:	2
Color:	
General Color:	
Mat1:	13
Most Common Material:	BOULDERS

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 50
Formation End Depth: 75
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930997957
Layer: 3
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 75
Formation End Depth: 102
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961503938
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574551
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930044695
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 166
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930044694
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 102
Casing Diameter: 5
Casing Diameter UOM: inch

Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991503938
Pump Set At:
Static Level: 25
Final Level After Pumping: 70
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR:
Pumping Duration MIN:
Flowing: No

Water Details

Water ID: 933456969
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth:
Water Found Depth UOM: ft

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40 | **1 of 1** | **ENE/227.3** | **62.7 / -0.09** | **lot 27 con 1 ON** | **WWIS**

Well ID: 1503914
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 3/23/1949
Selected Flag: Yes
Abandonment Rec:
Contractor: 3728
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: OTTAWA CITY (NEPEAN)
Site Info:
Lot: 027
Concession: 01
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503914.pdf

Bore Hole Information

Bore Hole ID: 10025957
DP2BR:
Spatial Status:
Code OB: o

Elevation: 64.452651
Elevrc:
Zone: 18
East83: 439830.7

Code OB Desc:	Overburden	**North83:**	5025722
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	12/15/1948	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930997880
Layer:	2
Color:	
General Color:	
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	50
Formation End Depth:	65
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997879
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	50
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997881
Layer:	3
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	65
Formation End Depth:	80
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997882
Layer:	4
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	80
Formation End Depth:	95
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961503914
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10574527
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930044658
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	95
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991503914
Pump Set At:	
Static Level:	28
Final Level After Pumping:	33
Recommended Pump Depth:	
Pumping Rate:	4
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933456942
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	20
Water Found Depth UOM:	ft

41 ***1 of 1*** ***ESE/233.0*** ***64.8 / 1.99*** ***ON*** ***WWIS***

Well ID:	1509072	***Data Entry Status:***	
Construction Date:		***Data Src:***	8
Primary Water Use:	Domestic	***Date Received:***	9/7/1954
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3725
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509072.pdf

Bore Hole Information

Bore Hole ID:	10031106	***Elevation:***	64.861045
DP2BR:	68	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	439830.7
Code OB Desc:	Bedrock	***North83:***	5025532
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	10/27/1953	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931011372
Layer:	2
Color:	8
General Color:	BLACK
Mat1:	15

Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 68
Formation End Depth: 130
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931011371
Layer: 1
Color:
General Color:
Mat1: 24
Most Common Material: PREV. DRILLED
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 68
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961509072
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10579676
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930054860
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 130
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930054859
Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 68
Casing Diameter: 4

Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930054858
Layer:	1
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	48
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991509072
Pump Set At:	
Static Level:	20
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Water Details

Water ID:	933463866
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	128
Water Found Depth UOM:	ft

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42 ***1 of 1*** ***N/235.9*** ***56.9 / -5.95*** ***ON*** ***WWIS***

Well ID:	1507811	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	3/1/1954
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4825
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	

Static Water Level: ***Northing NAD83:***
Flowing (Y/N): ***Zone:***
Flow Rate: ***UTM Reliability:***
Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1507811.pdf

Bore Hole Information

Bore Hole ID:	10029846	***Elevation:***	55.77164
DP2BR:	38	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	439601.7
Code OB Desc:	Bedrock	***North83:***	5025869
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	11/9/1953	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	gis
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931008087
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931008088
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	10
Formation End Depth:	38
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931008089
Layer:	3
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	38
Formation End Depth:	95
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961507811
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10578416
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930052357
Layer:	3
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	95
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930052356
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	43
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930052355
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	38
Casing Diameter:	6

Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991507811
Pump Set At:	
Static Level:	14
Final Level After Pumping:	16
Recommended Pump Depth:	
Pumping Rate:	7
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	25
Flowing:	No

Water Details

Water ID:	933462073
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	85
Water Found Depth UOM:	ft

43 | **1 of 1** | **ESE/237.5** | **64.8 / 1.99** | **lot 27 con 1 ON** | **WWIS**

Well ID:	1503931	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	12/18/1950
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3718
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	OTTAWA CITY (NEPEAN)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	027
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503931.pdf

Bore Hole Information

Bore Hole ID:	10025974	**Elevation:**	64.854309
DP2BR:	100	**Elevrc:**	
Spatial Status:		**Zone:**	18

Code OB:	r	**East83:**	439830.7
Code OB Desc:	Bedrock	**North83:**	5025522
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	12/15/1949	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930997934
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	5
Formation End Depth:	40
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997936
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	100
Formation End Depth:	150
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997933
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997935
Layer:	3
Color:	
General Color:	
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	40
Formation End Depth:	100
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961503931
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10574544
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930044687
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	150
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930044686
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	100
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991503931
Pump Set At:	

Static Level:	6
Final Level After Pumping:	10
Recommended Pump Depth:	
Pumping Rate:	100
Flowing Rate:	
Recommended Pump Rate:	
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:	933456962
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	150
Water Found Depth UOM:	ft

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44 | ***1 of 1*** | ***N/239.2*** | ***56.9 / -5.95*** | ***ON*** | ***BORE***

Borehole ID:	611047	**Inclin FLG:**	No
OGF ID:	215512546	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	NOV-1953	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.38376
Total Depth m:	29	**Longitude DD:**	-75.771508
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	439601
Drill Method:		**Northing:**	5025872
Orig Ground Elev m:	57.9	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	55.5		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218387333	**Mat Consistency:**	
Top Depth:	3	**Material Moisture:**	
Bottom Depth:	11.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Gravel	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	GRAVEL.		

Geology Stratum ID:	218387334	**Mat Consistency:**	Dense
Top Depth:	11.6	**Material Moisture:**	

Bottom Depth: 29
Material Color: Grey
Material 1: Limestone
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: LIMESTONE. 00085AVEL. VERY DENSE. BEDROCK,SANDSTONEFINE,SCHIST. GREY. 00010033FIED,TILL.

Material Texture: Fine
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Geology Stratum ID: 218387332
Top Depth: 0
Bottom Depth: 3
Material Color:
Material 1: Clay
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: CLAY.

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence:
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 03555 NTS_Sheet:
Confiden 1:

Source Appl: Spatial/Tabular
Source Iden: 1
Scale or Res: Varies
Horizontal: NAD27
Verticalda: Mean Average Sea Level

Source List

Source Identifier: 1
Source Type: Data Survey
Source Date: 1956-1972
Scale or Resolution: Varies
Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada

Horizontal Datum: NAD27
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transverse Mercator

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45 | ***1 of 1*** | ***ENE/239.4*** | ***63.9 / 1.08*** | ***lot 28 con 1 ON*** | ***WWIS***

Well ID: 1503942
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 1/5/1950
Selected Flag: Yes
Abandonment Rec:
Contractor: 3728
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: OTTAWA CITY (NEPEAN)
Site Info:
Lot: 028
Concession: 01
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503942.pdf

Bore Hole Information

Bore Hole ID:	10025985	***Elevation:***	64.480773
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	439850.7
Code OB Desc:	Overburden	***North83:***	5025702
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	5/15/1948	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930997971
Layer:	2
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	2
Formation End Depth:	12
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997972
Layer:	3
Color:	
General Color:	
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12
Formation End Depth:	90
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997970
Layer:	1
Color:	
General Color:	

Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961503942
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574555
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930044702
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 75
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930044703
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 90
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991503942
Pump Set At:
Static Level: 10
Final Level After Pumping: 15
Recommended Pump Depth:
Pumping Rate: 12
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1

Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	15
Flowing:	No

Water Details

Water ID:	933456972
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	90
Water Found Depth UOM:	ft

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46 | ***1 of 1*** | ***E/239.8*** | ***63.8 / 0.97*** | ***lot 27 con 1 ON*** | ***WWIS***

Well ID:	1503913	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	3/23/1949
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3728
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	OTTAWA CITY (NEPEAN)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	027
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503913.pdf

Bore Hole Information

Bore Hole ID:	10025956	**Elevation:**	63.939235
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	o	**East83:**	439860.7
Code OB Desc:	Overburden	**North83:**	5025622
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	12/15/1948	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930997878
Layer:	3
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	60
Formation End Depth:	90
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997877
Layer:	2
Color:	
General Color:	
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	40
Formation End Depth:	60
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997876
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	40
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961503913
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10574526
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930044657
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	90
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991503913
Pump Set At:	
Static Level:	10
Final Level After Pumping:	16
Recommended Pump Depth:	
Pumping Rate:	7
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933456941
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	90
Water Found Depth UOM:	ft

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47 | ***1 of 1*** | ***NE/242.0*** | ***60.9 / -1.92*** | ***Regional Elevator***
727 Richmond Road
Ottawa ON K2A 0G6 | ***GEN***

Generator No:	ON6522812	***PO Box No:***	
Status:	Registered	***Country:***	Canada
Approval Years:	As of Dec 2017	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:			
SIC Description:			

Detail(s)

Waste Class:	251 L
Waste Class Desc:	Waste oils/sludges (petroleum based)

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48 | ***1 of 1*** | ***ESE/242.6*** | ***64.8 / 1.99*** | ***lot 27 con 1***
ON | ***WWIS***

Well ID:	1503930	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	12/18/1950
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3718
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	OTTAWA CITY (NEPEAN)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	027
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503930.pdf

Bore Hole Information

Bore Hole ID:	10025973	**Elevation:**	64.711341
DP2BR:	100	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	439845.7
Code OB Desc:	Bedrock	**North83:**	5025542
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	12/15/1949	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930997932
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	100
Formation End Depth:	150
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997931
Layer:	3

Color:	
General Color:	
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	40
Formation End Depth:	100
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997930
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	5
Formation End Depth:	40
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997929
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961503930
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10574543
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930044685
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	150
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930044684
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	100
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991503930
Pump Set At:	
Static Level:	6
Final Level After Pumping:	10
Recommended Pump Depth:	
Pumping Rate:	2
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933456961
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	150
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
49	1 of 3	ESE/243.7	64.9 / 2.05	lot 27 con 1 ON	WWIS

Well ID:	1503933	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	12/18/1950
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3718
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	

Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	OTTAWA CITY (NEPEAN)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	027
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503933.pdf

Bore Hole Information

Bore Hole ID:	10025976	**Elevation:**	64.59552
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	o	**East83:**	439850.7
Code OB Desc:	Overburden	**North83:**	5025552
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	12/1/1949	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930997941
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	5
Formation End Depth:	40
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997940
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	

Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997942
Layer:	3
Color:	
General Color:	
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	11
Mat3 Desc:	GRAVEL
Formation Top Depth:	40
Formation End Depth:	60
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961503933
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10574546
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930044689
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	60
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991503933
Pump Set At:	
Static Level:	6
Final Level After Pumping:	10
Recommended Pump Depth:	
Pumping Rate:	100
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR

Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933456964
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 60
Water Found Depth UOM: ft

---

49 | **2 of 3** | **ESE/243.7** | **64.9 / 2.05** | **lot 27 con 1 ON** | **WWIS**

Well ID: 1503935
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 12/18/1950
Selected Flag: Yes
Abandonment Rec:
Contractor: 3718
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: OTTAWA CITY (NEPEAN)
Site Info:
Lot: 027
Concession: 01
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503935.pdf

Bore Hole Information

Bore Hole ID: 10025978
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 12/18/1949
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 64.59552
Elevrc:
Zone: 18
East83: 439850.7
North83: 5025552
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 930997946

Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 5
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930997947
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 5
Formation End Depth: 40
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930997948
Layer: 3
Color:
General Color:
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Mat2 Desc: BOULDERS
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 40
Formation End Depth: 60
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961503935
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574548
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930044691
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	60
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991503935
Pump Set At:	
Static Level:	6
Final Level After Pumping:	10
Recommended Pump Depth:	
Pumping Rate:	100
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933456966
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60
Water Found Depth UOM:	ft

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49 ***3 of 3*** ***ESE/243.7*** ***64.9 / 2.05*** ***lot 27 con 1 ON*** ***WWIS***

Well ID:	1503936	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/18/1950
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3718
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	OTTAWA CITY (NEPEAN)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	027
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	OF
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503936.pdf

Bore Hole Information

Bore Hole ID:	10025979	***Elevation:***	64.59552
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	439850.7
Code OB Desc:	Overburden	***North83:***	5025552
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	12/1/1949	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930997950
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	5
Formation End Depth:	40
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997949
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997951
Layer:	3
Color:	
General Color:	

Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Mat2 Desc: BOULDERS
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 40
Formation End Depth: 60
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961503936
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574549
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930044692
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 60
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991503936
Pump Set At:
Static Level: 6
Final Level After Pumping: 10
Recommended Pump Depth:
Pumping Rate: 100
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933456967
Layer: 1
Kind Code: 1
Kind: FRESH

Water Found Depth: 60
Water Found Depth UOM: ft

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50 *1 of 1* *SW/244.2* *65.9 / 3.11* **HOMESTEAD LAND HOLDINGS LIMITED** *EASR*
851 Richmond RD
OTTAWA ON K2A 3X2

Approval No:	R-009-6111097354	**SWP Area Name:**	Rideau Valley
Status:	REGISTERED	**MOE District:**	Ottawa
Date:	2019-03-14	**Municipality:**	OTTAWA
Record Type:	EASR	**Latitude:**	45.38027778
Link Source:	MOFA	**Longitude:**	-75.77250000000001
Project Type:	Water Taking - Construction Dewatering	**Geometry X:**	
Full Address:		**Geometry Y:**	

Approval Type: EASR-Water Taking - Construction Dewatering
Full PDF Link: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2136408

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51 *1 of 1* *N/246.5* *57.6 / -5.25* *WWIS*
Ottawa ON

Well ID:	7316808	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	8/8/2018
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Other Status	**Abandonment Rec:**	
Water Type:		**Contractor:**	7608
Casing Material:		**Form Version:**	7
Audit No:	Z267825	**Owner:**	
Tag:	A233476	**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	NEPEAN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1007273263	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	439636
Code OB Desc:		**North83:**	5025880
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	6/28/2018	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	1007426860
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	01
Mat3 Desc:	FILL
Formation Top Depth:	0
Formation End Depth:	15
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007426867
Layer:	2
Plug From:	10
Plug To:	15
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007426866
Layer:	1
Plug From:	0
Plug To:	10
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1007426865
Method Construction Code:	B
Method Construction:	Other Method
Other Method Construction:	

Pipe Information

Pipe ID:	1007426859
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1007426863
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	10
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

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

Construction Record - Screen

Screen ID:	1007426864
Layer:	1
Slot:	
Screen Top Depth:	10
Screen End Depth:	15
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2

Water Details

Water ID:	1007426862
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1007426861
Diameter:	
Depth From:	0
Depth To:	15
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

52	***1 of 1***	***ENE/249.2***	***62.9 / 0.09***	***lot 27 con 1 ON***	***WWIS***

Well ID:	1503911	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	11/24/1948
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4216
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	OTTAWA CITY (NEPEAN)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	027
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	OF
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503911.pdf

Bore Hole Information

Bore Hole ID:	10025954	***Elevation:***	64.610595
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	439845.7

Code OB Desc:	Overburden	**North83:**	5025742
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	4/23/1948	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930997870
Layer:	4
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	63
Formation End Depth:	77
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997868
Layer:	2
Color:	
General Color:	
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12
Formation End Depth:	16
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997869
Layer:	3
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	16
Formation End Depth:	63
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997867
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	12
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961503911
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10574524
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930044654
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	77
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991503911
Pump Set At:	
Static Level:	32
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

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

Water Details

Water ID:	933456938
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	
Water Found Depth UOM:	ft

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53 ***1 of 1*** ***SE/249.5*** ***66.8 / 4.00*** ***2030 KNIGHTSBRIDGE ROAD OTTAWA ON K2A 0P9*** ***HINC***

External File Num:	FS INC 0710-06473
Fuel Occurrence Type:	Pipeline Strike
Date of Occurrence:	10/24/2007
Fuel Type Involved:	Natural Gas
Status Desc:	Completed - Causal Analysis(End)
Job Type Desc:	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:	Construction Site (pipeline strike)
Service Interruptions:	Yes
Property Damage:	Yes
Fuel Life Cycle Stage:	Transmission, Distribution and Transportation
Root Cause:	Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:No Management:Yes Human Factors:Yes
Reported Details:	
Fuel Category:	Gaseous Fuel
Occurrence Type:	Incident
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name:	Ottawa
Approx. Quant. Rel:	
Nearby body of water:	
Enter Drainage Syst.:	
Approx. Quant. Unit:	
Environmental Impact:	

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54 ***1 of 1*** ***E/249.6*** ***63.9 / 1.05*** ***PIPELINE HIT - 1/2" 545 ROWANWOOD AVE,,OTTAWA,ON,K2A 3C9, CA ON*** ***PINC***

Incident ID:		***Fuel Category:***	
Incident No:	1469560	***Health Impact:***	
Incident Reported Dt:	8/29/2014	***Environment Impact:***	
Type:	FS-Pipeline Incident	***Property Damage:***	
Status Code:		***Service Interupt:***	
Customer Acct Name:	PIPELINE HIT - 1/2"	***Enforce Policy:***	
Incident Address:	545 ROWANWOOD AVE,,OTTAWA,ON,K2A 3C9,CA	***Public Relation:***	
Tank Status:	Not Investigated	***Pipeline System:***	
Task No:		***Depth:***	
Spills Action Centre:		***Pipe Material:***	
Fuel Type:		***PSIG:***	
Fuel Occurrence Tp:		***Attribute Category:***	
Date of Occurrence:		***Regulator Location:***	
Occurrence Start Dt:		***Method Details:***	
Operation Type:			
Pipeline Type:			
Regulator Type:			
Summary:			
Reported By:			
Affiliation:			

Occurrence Desc:
Damage Reason:
Notes:

Unplottable Summary

Total: 28 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA		Alton St., Portage Ave, Saunders Ave.,	Ottawa ON	
CA	CITY	BYRON AVE.	OTTAWA ON	
CA	OTTAWA CITY	RICHMOND ROAD	OTTAWA CITY ON	
CA	MOBIUS DEVELOPMENTS LTD.	PT.LOT 28/C-1,CROSSROAD HOME C	NEPEAN ON	
CA	COMPUTING DEVICES COMPANY	RICHMOND RD.	NEPEAN CITY ON	
CA	OTTAWA CITY	BYRON AVENUE	OTTAWA CITY ON	
CA	COMPUTING DEVICES COMPANY	RICHMOND RD.	NEPEAN CITY ON	
CA		Richmond Road	Ottawa ON	
CA	National Capital Commission	Ottawa River Parkway Detour Lane	Ottawa ON	
CA	City of Ottawa	Richmond Road	Ottawa ON	
CA	Bourke Family Development Inc.	Byron Ave Reginstered Plan No. 204	Ottawa ON	
CA	City of Ottawa	Richmond Road	Ottawa ON	
CA	City of Ottawa	From Richmond Road to Harwood Ave	Ottawa ON	
CA	City of Ottawa	Richmond Road	Ottawa ON	
CA	City of Ottawa	Lockhart, Wayne, Algonquin, Aylen and Pooler Ave	Ottawa ON	
CA	City of Ottawa	From Richmond Road to Harwood Ave	Ottawa ON	
CA	NON-PROFIT HOUSING CORPORATION	RICHMOND RD.NON-PROFIT HOUSING	OTTAWA CITY ON	
CA	OTTAWA CITY	RICHMOND ROAD	OTTAWA CITY ON	

ECA	The Corporation of the City of Ottawa	Alton St., Portage Ave, Saunders Ave.,	Ottawa ON	K1N 5A1
ECA	City of Ottawa	Ottawa River Parkway Easement Corridor (Adjacent to River Street and Ottawa River Parkway)	Ottawa ON	K2G 6J8
FST	CHARTERWAYS TRANSPORTATION LTD	LOT 26 CON 1 PL 4R-659 NEPEAN K2H 7Y8 ON CA LOT 26 CON 1 PL 4R-659 NEPEAN K2H 7Y8 ON CA	ON	
FSTH	CHARTERWAYS TRANSPORTATION LTD	LOT 26 CON 1 PL 4R-659	NEPEAN ON	
FSTH	CHARTERWAYS TRANSPORTATION LTD	LOT 26 CON 1 PL 4R-659	NEPEAN ON	
PRT	CHARTERWAYS TRANSPORTATION LTD	LOT 26 CON 1 PL 4R-659	NEPEAN ON	
SPL	TEXACO	RICHMOND RD. SERVICE STATION	OTTAWA CITY ON	
SPL	HYDRO ONE	LOT 26, CONC. 1, (FORMERLY MARLBOROUGH TWP.) TRANSFORMER	OTTAWA CITY ON	
SPL	BUS	OTTAWA RIVER PKWY & LINCOLN FIELDS MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON	
SPL	National Capital Commission	Ottawa River Pkwy at the Parkdale Off Ramp West Bound	Ottawa ON	

Unplottable Report

Site:
Alton St., Portage Ave, Saunders Ave., Ottawa ON

Database:
CA

Certificate #:	5346-4M8JVQ
Application Year:	00
Issue Date:	7/14/00
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Corporation of the City of Ottawa
Client Address:	111 Sussex Drive, 7th Floor
Client City:	Ottawa
Client Postal Code:	K1N 5A1
Project Description:	Watermains to be constructed in the City of Ottawa.
Contaminants:	
Emission Control:	

Site: ***CITY***
BYRON AVE. OTTAWA ON

Database:
CA

Certificate #:	3-0302-85-006
Application Year:	85
Issue Date:	4/22/85
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***OTTAWA CITY***
RICHMOND ROAD OTTAWA CITY ON

Database:
CA

Certificate #:	3-0159-96-
Application Year:	96
Issue Date:	4/1/1996
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***MOBIUS DEVELOPMENTS LTD.***
PT.LOT 28/C-1,CROSSROAD HOME C NEPEAN ON

Database:
CA

Certificate #:	3-0082-98-
Application Year:	98

Issue Date: 2/23/1998
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***COMPUTING DEVICES COMPANY***
RICHMOND RD. NEPEAN CITY ON

Database: ***CA***

Certificate #: 7-1397-87-
Application Year: 87
Issue Date: 9/17/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***OTTAWA CITY***
BYRON AVENUE OTTAWA CITY ON

Database: ***CA***

Certificate #: 3-1320-88-
Application Year: 88
Issue Date: 8/5/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***COMPUTING DEVICES COMPANY***
RICHMOND RD. NEPEAN CITY ON

Database: ***CA***

Certificate #: 3-1688-87-
Application Year: 87
Issue Date: 9/17/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Database:***
Richmond Road Ottawa ON ***CA***

Certificate #: 7965-5ERRRZ
Application Year: 02
Issue Date: 10/11/02
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: City of Ottawa
Client Address: 110 Laurier Avenue West
Client City: Ottawa
Client Postal Code: K1P 1J1
Project Description: This application is for the construction of storm and sanitary sewers and appurtenances on Richmond Road
Contaminants:
Emission Control:

Site: ***National Capital Commission*** ***Database:***
Ottawa River Parkway Detour Lane Ottawa ON ***CA***

Certificate #: 0973-5M4KXY
Application Year: 2003
Issue Date: 4/30/2003
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***City of Ottawa*** ***Database:***
Richmond Road Ottawa ON ***CA***

Certificate #: 1424-6CXJGA
Application Year: 2005
Issue Date: 6/3/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Bourke Family Development Inc.*** ***Database:***
Byron Ave Reginstered Plan No. 204 Ottawa ON ***CA***

Certificate #: 3911-7BKMY9
Application Year: 2008
Issue Date: 2/7/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:

Contaminants:
Emission Control:

Site: ***City of Ottawa***
Richmond Road Ottawa ON

Database: ***CA***

Certificate #: 6859-5X8K46
Application Year: 2004
Issue Date: 3/23/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***City of Ottawa***
From Richmond Road to Harwood Ave Ottawa ON

Database: ***CA***

Certificate #: 7452-83ULTR
Application Year: 2010
Issue Date: 3/26/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***City of Ottawa***
Richmond Road Ottawa ON

Database: ***CA***

Certificate #: 7893-5NLQJH
Application Year: 2003
Issue Date: 6/18/2003
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***City of Ottawa***
Lockhart, Wayne, Algonquin, Aylen and Pooler Ave Ottawa ON

Database: ***CA***

Certificate #: 8583-7F8M2Z
Application Year: 2008
Issue Date: 6/2/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:

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

Site: ***City of Ottawa***
From Richmond Road to Harwood Ave Ottawa ON

Database: ***CA***

Certificate #: 9286-83A3N3
Application Year: 2010
Issue Date: 3/15/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***NON-PROFIT HOUSING CORPORATION***
RICHMOND RD.NON-PROFIT HOUSING OTTAWA CITY ON

Database: ***CA***

Certificate #: 7-0925-87-
Application Year: 87
Issue Date: 7/7/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***OTTAWA CITY***
RICHMOND ROAD OTTAWA CITY ON

Database: ***CA***

Certificate #: 3-1088-90-
Application Year: 90
Issue Date: 6/26/1990
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***The Corporation of the City of Ottawa***
Alton St., Portage Ave, Saunders Ave., Ottawa ON K1N 5A1

Database: ***ECA***

Approval No: 5346-4M8JVQ ***MOE District:***

Approval Date:	2000-07-14	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: Alton St., Portage Ave, Saunders Ave.,
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5132-4KZMYX-14.pdf

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Site: ***City of Ottawa***
Ottawa River Parkway Easement Corridor (Adjacent to River Street and Ottawa River Parkway) Ottawa ON K2G 6J8

Database: ***ECA***

Approval No:	5735-6C5PWH	***MOE District:***	
Approval Date:	2005-05-10	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Address: Ottawa River Parkway Easement Corridor (Adjacent to River Street and Ottawa River Parkway)
Full Address:
Full PDF Link:

Site: ***CHARTERWAYS TRANSPORTATION LTD***
LOT 26 CON 1 PL 4R-659 NEPEAN K2H 7Y8 ON CA LOT 26 CON 1 PL 4R-659 NEPEAN K2H 7Y8 ON CA ON

Database: ***FST***

Instance No:	10868960	***Manufacturer:***	NULL
Status:	Active	***Serial No:***	NULL
Cont Name:		***Ulc Standard:***	NULL
Instance Type:	FS Liquid Fuel Tank	***Quantity:***	1
Item:	FS LIQUID FUEL TANK	***Unit of Measure:***	EA
Item Description:	FS Liquid Fuel Tank	***Fuel Type:***	Diesel
Tank Type:	Single Wall UST	***Fuel Type2:***	NULL
Install Date:	11/6/1990	***Fuel Type3:***	NULL
Install Year:	1990	***Piping Steel:***	
Years in Service:	20.4	***Piping Galvanized:***	
Model:	NULL	***Tanks Single Wall St:***	
Description:		***Piping Underground:***	
Capacity:	13638	***Num Underground:***	
Tank Material:	Steel	***Panam Related:***	NULL
Corrosion Protect:	Impressed Current	***Panam Venue:***	NULL
Overfill Protect:			

Facility Type: FS Liquid Fuel Tank
Parent Facility Type: Fuels Safety Private Fuel Outlet - Self Serve
Facility Location: LOT 26 CON 1 PL 4R-659 NEPEAN K2H 7Y8 ON CA
Device Installed Location: LOT 26 CON 1 PL 4R-659 NEPEAN K2H 7Y8 ON CA

Fuel Storage Tank Details

Owner Account Name: CHARTERWAYS TRANSPORTATION LTD

Liquid Fuel Tank Details

Overfill Protection: NULL
Owner Account Name: CHARTERWAYS TRANSPORTATION LTD

Site: ***CHARTERWAYS TRANSPORTATION LTD***
LOT 26 CON 1 PL 4R-659 NEPEAN ON

Database: ***FSTH***

License Issue Date: 11/8/1990
Tank Status: Licensed

Tank Status As Of: August 2007
Operation Type: Private Fuel Outlet
Facility Type: Gasoline Station - Self Serve

--Details--
Status: Active
Year of Installation: 1990
Corrosion Protection:
Capacity: 13638
Tank Fuel Type: Liquid Fuel Single Wall UST - Diesel

Site: ***CHARTERWAYS TRANSPORTATION LTD***
LOT 26 CON 1 PL 4R-659 NEPEAN ON

Database: ***FSTH***

License Issue Date: 11/8/1990
Tank Status: Licensed
Tank Status As Of: December 2008
Operation Type: Private Fuel Outlet
Facility Type: Gasoline Station - Self Serve

--Details--
Status: Active
Year of Installation: 1990
Corrosion Protection:
Capacity: 13638
Tank Fuel Type: Liquid Fuel Single Wall UST - Diesel

Site: ***CHARTERWAYS TRANSPORTATION LTD***
LOT 26 CON 1 PL 4R-659 NEPEAN ON

Database: ***PRT***

Location ID: 9595
Type: private
Expiry Date:
Capacity (L): 13638.00
Licence #: 0001039584

Site: ***TEXACO***
RICHMOND RD. SERVICE STATION OTTAWA CITY ON

Database: ***SPL***

Ref No: 14431
Site No:
Incident Dt: 2/2/1989
Year:
Incident Cause: OTHER CAUSE (N.O.S.)
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 2/2/1989
Dt Document Closed:
Incident Reason: ERROR
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20101
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Contaminant Qty:

Site: ***HYDRO ONE***
LOT 26, CONC. 1, (FORMERLY MARLBOROUGH TWP.) TRANSFORMER OTTAWA CITY ON

Database: ***SPL***

Ref No:	207302	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	7/30/2001	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	OTHER CAUSE (N.O.S.)	***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:***	20107
Nature of Impact:	Soil contamination	***Site Lot:***	
Receiving Medium:	Land	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	7/30/2001	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	OTHER	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			

Incident Summary: HYDRO ONE - 10 L OF NON- PCB OIL TO GROUND FROM TRANSFORMER.
Contaminant Qty:

Site: ***BUS***
OTTAWA RIVER PKWY & LINCOLN FIELDS MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON

Database: ***SPL***

Ref No:	58039	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	10/1/1991	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	OTHER TRANSPORTATION ACCIDENT	***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:	POSSIBLE	***Site Municipality:***	20101
Nature of Impact:	Soil Contamination	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	10/1/1991	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	ERROR	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			

Incident Summary: OC TRANSPO BUS - 20-30 L DIESEL FUEL TO GRND WHEN 2 BUSES COLLIDED.
Contaminant Qty:

Site: ***National Capital Commission***
Ottawa River Pkwy at the Parkdale Off Ramp West Bound Ottawa ON

Database: ***SPL***

Ref No:	3376-7TLV2S	***Discharger Report:***	
Site No:		***Material Group:***	

Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Other Transport Accident	***Sector Type:***	Motor Vehicle
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:	OIL (PETROLEUM BASED, NOT SPECIFIED)	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Not Anticipated	***Site Municipality:***	Ottawa
Nature of Impact:	Surface Water Pollution	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	7/3/2009	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Land Spills
Incident Reason:	Spill	***Source Type:***	
Site Name:	Road way<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	MVA: 4 L Oil to Rd and CB		
Contaminant Qty:	4 L		

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory: Provincial AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

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

Government Publication Date: Up to Sep 2020

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 1999-Dec 31, 2020

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2018

Commercial Fuel Oil Tanks: Provincial CFOT

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

Government Publication Date: Jul 31, 2020

Chemical Manufacturers and Distributors: Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

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

Government Publication Date: 1999-Dec 31, 2020

Compressed Natural Gas Stations: Private CNG

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

Government Publication Date: Dec 2012 -Dec 2020

Inventory of Coal Gasification Plants and Coal Tar Sites: Provincial COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

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

Government Publication Date: 1989-Nov 2020

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994-Jan 31, 2020

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886 - Sep 2020

Delisted Fuel Tanks: Provincial DTNK

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 regulatory agency under Access to Public Information.

Government Publication Date: Jul 31, 2020

Environmental Activity and Sector Registry: Provincial EASR

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

Government Publication Date: Oct 2011-Dec 31, 2020

Environmental Registry: Provincial EBR

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

Government Publication Date: 1994-Jan 31, 2020

Environmental Compliance Approval: Provincial ECA

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

Government Publication Date: Oct 2011- Dec 31, 2020

Environmental Effects Monitoring: Federal EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

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

Government Publication Date: 1999-Oct 31, 2020

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report: Provincial EPAR

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2019

List of Expired Fuels Safety Facilities: Provincial EXP

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

Government Publication Date: Jul 31, 2020

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: Jun 2000-Sep 2020

Fisheries & Oceans Fuel Tanks: Federal FOFT

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

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS): Federal FRST

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: Provincial FST

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

Government Publication Date: Jul 31, 2020

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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

Government Publication Date: 1986-Jul 31, 2020

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2018

TSSA Historic Incidents: Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

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

Government Publication Date: Jul 31, 2020

Landfill Inventory Management Ontario: Provincial LIMO

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: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Jan 2020

National Analysis of Trends in Emergencies System (NATES): Federal NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: Dec 31, 2018

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Sep 30, 2020

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-Aug 31, 2020

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Jun 2020

Inventory of PCB Storage Sites: Provincial OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994-Jan 31, 2020

Canadian Pulp and Paper: Private PAP

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

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

Parks Canada Fuel Storage Tanks: Federal PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

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

Government Publication Date: Oct 2011-Dec 31, 2020

Pipeline Incidents: Provincial PINC

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

Government Publication Date: Oct 31, 2020

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994-Jan 31, 2020

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-2016

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.
RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Jan 2021

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-Dec 31, 2020

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

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-Mar 2020; Jul 2020 - Aug 2020

Wastewater Discharger Registration Database: Provincial SRDS

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

Government Publication Date: 1990-Dec 31, 2017

Anderson's Storage Tanks: Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

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

Government Publication Date: 1970 - Dec 2020

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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

Government Publication Date: Jul 31, 2020

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: Oct 2011-Dec 31, 2020

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Apr 30, 2020

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

Office Use Only		
Application Number:	Ward Number:	Application Received: (dd/mm/yyyy):
Client Service Centre Staff:		Fee Received: $

Historic Land Use Inventory

Application Form

Notice of Public Record

All information and materials required in support of your application shall be made available to the public, as indicated by Section 1.0.1 of *The Planning Act*, R.S.O. 1990, C.P.13.

Municipal Freedom of Information and Protection Act

Personal information on this form is collected under the authority the *Planning Act*, RSO 1990, c. P. 13 and will be used to process this application. Questions about this collection may be directed by mail to Manager, Business Support Services, Planning Infrastructure and Economic Development Department, 110 Laurier Avenue West, Ottawa, K1P 1J1, or by phone at (613) 580-2424, ext. 24075

Background Information

***Site Address or Location:** *797 Richmond Road*

** Mandatory Field*

Applicant/Agent Information:

Name:	*Paterson Group Inc.*		
Mailing Address:	*154 Colonnade Road South, Ottawa, ON, K2E 7J5*		
Telephone:	*613-226-7381*	Email Address:	*nsullivan@patersongroup.ca*

Registered Property Owner Information: ☐ Same as above

Name:	*Dentech Holdings Inc.*		
Mailing Address:	*797 Richmond Road*		
Telephone:	*613-728-5532*	Email Address:	*tallisje@gmail.com*

Site Details

Legal Description and PIN:	*Part of Lots 26 & 27, Concession 1 (Ottawa Front), Formerly the Township of Nepean, in the City of Ottawa.*
What is the land currently used for?	*Site is currently occupied with a one (1) storey denture care centre.*

Lot frontage: _____ m Lot depth: _____ m Lot area: _____ m²

OR Lot area: (irregular lot) 1,165 m²

Does the site have Full Municipal Services: (•) Yes ( ) No

Required Fees

Please don't hesitate to visit the Historic Land Use Inventory website more information. Fees must be paid in full at the time of application submission.

Planning Fee $128.00

Submittal Requirements

The following are required to be submitted with this application:

1. **Consent to Disclose Information:** Consultants and other third parties may make requests for information on behalf of an individual or corporation. However, if the requester is not the owner of the property, **the requester must provide the City of Ottawa with a 'consent to disclose information' letter, signed by the property owner.** This will authorize the City of Ottawa to release any relevant information about the property or its owner(s) to the requester. Consent for disclosure is required in the event that personal information or proprietary company information is found concerning the property and its owner. All consents must clearly indicate the name of the property owner as well as the name of the requester, and must be signed and dated.

2. **Disclaimer:** Requesters must read and understand the conditions included in the attached disclaimer and submit a signed disclaimer to the City of Ottawa's Planning, Infrastructure and Economic Development Department. This disclaimer is related to the Historic Land Use Inventory and must be received by the City of Ottawa, signed and dated by the requestor, before the process can begin.

3. A site plan or key plan of the property, its location and particular features.

4. Any significant dates or time frames that you would like researched.

Disclaimer
For use with HLUI Database

CITY OF OTTAWA ("the City") is the owner of the Historical Land Use Inventory ("HLUI"), a database of information on the type and location of land uses within the geographic area of Ottawa, which had or have the potential to cause contamination in soil, groundwater or surface water.

The City, in providing information from the HLUI, to Paterson Group Inc. ("the Requester") does so only under the following conditions and understanding:

1. The HLUI may contain erroneous information given that such records and sources of information may be flawed. Changes in municipal addresses over time may have introduced error in such records and sources of information. The City is not responsible for any errors or omissions in the HLUI and reserves the right to change and update the HLUI without further notice. The City does not, however, make any commitment to update the HLUI. Accordingly, all information from the HLUI 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.

2. City staff will perform a search of the HLUI based on the information given by the Requester. City staff will make every effort to be accurate, however, the City does not provide an assurance, guarantee, warranty, representation (express or implied), as to the availability, accuracy, completeness or currency of information which will be provided to the Requester. The HLUI in no way confirms the presence or absence of contamination or pollution of any kind. The information provided by the City to the Requester is provided on the assumption that it will not be relied upon by any person whatsoever. The City denies all liability to any such persons attempting to rely on any information provided from the HLUI database.

3. The City, its employees, servants, agents, boards, officials or contractors take no responsibility for any actions, claims, losses, liability, judgments, demands, expenses, costs, damages or harm suffered by any person whatsoever including negligence in compiling or disseminating information in the HLUI.

4. Copyright is reserved to the City.

5. Any use of the information provided from the HLUI which a third party makes, or any reliance on or decisions to be based on it, are the responsibilities of such third parties. The City, its employees, servants, agents, boards, officials or contractors accept no responsibility for any damages, if any, suffered by a third party as a result of decisions made as a result of an information search of the HLUI.

6. Any use of this service by the Requestor indicates an acknowledgement, acceptance and limits of this disclaimer.

7. All information collected under this request and all records provided in response to this request are subject to the provisions of the Municipal Freedom of Information and Protection of Privacy Act, R.S.O. 1990, c. M.56, as amended.

Signed: 

Dated (dd/mm/yyyy): 22/02/2021

Per: Nick Sullivan

(Please print name)

Title: Environmental Scientist

Company: Paterson Group Inc.

patersongroup Consulting Engineers

154 Colonnade Road South
Ottawa, Ontario
Canada, K2E 7J5
Tel: (613) 226-7381
Fax: (613) 226-6344

Geotechnical Engineering
Environmental Engineering
Hydrogeology
Geological Engineering
Materials Testing
Building Science
Archaeological Services

www.patersongroup.ca

February 22, 2021
File: PE5190-HLUI

City of Ottawa
110 Laurier Avenue West
Ottawa, Ontario
K1P 1J1

Subject: **Authorization Letter: HLUI Search**
Phase I - Environmental Site Assessment
797 Richmond Road
Ottawa, Ontario

Dear Sir or Madam,

Please consider this letter as confirmation that Paterson Group has been retained to conduct a Phase I - Environmental Site Assessment at the aforementioned property.

With this letter, the property owner authorizes the City of Ottawa and other regulatory bodies to release, to Paterson Group, information requested for the purpose of completing an environmental assessment of the property.

DEWDECH HOLDINGS INC

Name of Company/Property Owner:

Name of Representative GIUSEPPE LIMA

Authorization of Representative

Date FEB 22 / 2021

File Number: D06-03-21-0033

March 26, 2021

Insert Applicant Name
Paterson Group
154 Colonnade Road South

*Sent via email [*nsullivan@patersongroup.ca*]*

Dear Mr. Sullivan,

Re: Information Request
797 Richmond Rd**, 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.

Documents Provided:

Excel

The Excel Spread Sheet identifies HLUI area, point and line features within 250 metres of the Subject Property, as shown on the provided Map. Within 500 metres of the Subject Property, landfills and Environmental Risk Management Area (ERMA) are also identified if applicable.

Additional information may be obtained by contacting:

Ontario's Environmental Registry

The Environmental Registry found at http://www.ebr.gov.on.ca/ERS-WEB-External/ contains "public notices" about environmental matters being proposed by all government ministries covered by the Environmental Bill of Rights. The public notices may contain information about proposed new laws, regulations, policies and programs or about proposals to change or eliminate existing ones. By using 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

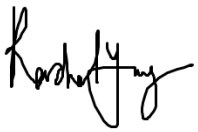
Please note, as per the HLUI Disclaimer, that the information contained in the HLUI database has been compiled from publicly available records and other sources of information. The HLUI may contain erroneous information given that the records used as sources of information may be flawed. For instance, 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 Rachel Young at HLUI@ottawa.ca

Sincerely,



Rachel Young

Per:

Michael Boughton, MCIP, RPP

Senior Planner
Development Review East
Planning Services
Planning, Infrastructure and Economic Development Department

MB / RY

Enclosures.

cc: File no. D06-03-21-0033

HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP

prom. Sir John A. Macdonald Pky.
av. Wayne Ave.
av. Algonquin Ave.
av. Aylen Ave.
av. Woodroffe Ave.
av. Lockhart Ave. N
av. Clarke Ave.
ch. Richmond Rd.
av. Byron Ave.
av. Wavell Ave.
av. Courtenay Ave.
av. Rowanwood Ave.
av. Redwood Ave.
av. Keenan Ave
ch. Sherbourne Rd.
av. Honeywell Ave.
av. Dovercourt Ave.

Legend

- Subject Property
- HLUI Point 250m of Subject Property
- HLUI Polygon 250m of Subject Property
- HLUI Line 250m of Subject Property

METERS
0 75 150 225

N

Prepared By: Rachel Young
Development Review, Urban Planner Co-op Student
Mar 05 2021
City of Ottawa

OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	SOURCE_UPDATE_SORTED	QAQC	YEAR	YEAR_1	ST_NUM	ST_NAME	ST_SUFFIX	ST_DIR	MUNICIPALITY	ST_NUM2017	ST_NAME2017	ST_SUFFIX2017	ST_DIR2017	POSTAL_CODE2017	PIN2017	MUNICIPALITY2017	NAICS	SIC	COMMENTS	STORAGE_TANK	Shape_Length	Shape_Area
6982	SUNLIGHT OIL CO	Petroleum Products, Whol	1940-M; 1948-FIP-340-2221; 194	1	1948-1957	c. 1939-19	855	RICHMOND	RD		OTTAWA	851	RICHMOND	RD		K2A3X2	47510112	OLD OTTAWA	412110; 419120	511	M. 1956, M. 1957 - listed a	3 above ground storage ta	384.3274985	6056.189295
6983	UNNAMED GASOLINE SERVICE STATION	Gasoline Service Stations	1948-FIP-340-2221; 1949-M; 195	1	1949-1980	c. 1948-19	865	RICHMOND	RD		OTTAWA	851	RICHMOND	RD		K2A3X2	47510112	OLD OTTAWA	447110; 447190	633		Two USTs located on north	384.3274985	6056.189295
6984	ACOM	Other Machinery and Equi	1998-SC	1	1998	c. 1998	851	RICHMOND	RD		OTTAWA	851	RICHMOND	RD		K2A3X2	47510112	OLD OTTAWA	332510; 332991	306; 319			384.3274985	6056.189295
6985	DENTECH INC	Medical and Other Health	2001-ES; 2006-ES; 2012-ES	1	2001	c. 2001	797	RICHMOND	RD		OTTAWA	797	RICHMOND	RD		K2A0G7	47510116	OLD OTTAWA	541380; 621510				136.5488178	1164.712172
6986	SIGNS IN 23 HOURS	Sign and Display Industry	2001-ES; 2005-SelectPhone; 200	1	2005	c. 2001; c.	747	RICHMOND	RD			747	RICHMOND	RD		K2A0G6	47510121	OLD OTTAWA	339950				217.5433647	2443.941216
6987	SUNLIGHT OIL SERVICE STATION	Gasoline Service Stations	1950-M; 1965-AirPhoto	1	1900-1965	c. 1950	721	RICHMOND	RD		OTTAWA	747	RICHMOND	RD		K2A0G6	47510121	OLD OTTAWA	447110; 447190	633			217.5433647	2443.941216
6988	DRY CLEANING DEPOT	Laundries and Cleaners	2006-ES	1	2006	c. 2006	747	RICHMOND	RD		OTTAWA	747	RICHMOND	RD		K2A0G6	47510121	OLD OTTAWA	812320				217.5433647	2443.941216
6989	BURNS SHELL SERVICE STATION	Motor Vehicle Repair Shop	1956-FIP-335-2222; 1956-M; 195	1	1956-1970	c. 1956; c.	747	RICHMOND	RD		OTTAWA	747	RICHMOND	RD		K2A0G6	47510121	OLD OTTAWA	447110; 447190	633; 635	FIP1948 - vacant lot - grea	2 UST - gasoline	217.5433647	2443.941216
6990	LEAFLOOR BROTHERS CO LIMITED	Lumber and Building Mate	1920-M; 1948-FIP-340-2221; 195	1	1917	c. 1917	0	RICHMOND	RD		OTTAWA	747	RICHMOND	RD		K2A0G6	47510121	OLD OTTAWA	412110; 416310	511; 563	Located on the north east		217.5433647	2443.941216
6991	A 1 FAX OFFICE EQUIPMENT	Other Machinery and Equi	2005-SelectPhone	1	2005	c. 2005	747	RICHMOND	RD			747	RICHMOND	RD		K2A0G6	47510121	OLD OTTAWA	333291				217.5433647	2443.941216
7637	793 RICHMOND-OFF-SITE MANAGEMENT	Environmental Risk Asses	2017-CityofOttawa-RemediationU	1	2017																		236.5578836	3321.775351
8056	RAY O'DONNELL BP SERVICE STATION	Gasoline Service Stations	1970-M	1	1970		865	RICHMOND	RD		OTTAWA	865	RICHMOND	RD			47510112	OTTAWA					384.3274985	6056.189295
8057	TIERNEY BP SERVICE STATION	Gasoline Service Stations	1960-M	1	1960		865	RICHMOND	RD		OTTAWA	865	RICHMOND	RD			47510112	OTTAWA					384.3274985	6056.189295
8058	LATREMOUILLE D LTD	Other Machinery and Equi	1998-SC	1	1998		851	RICHMOND	RD		OTTAWA	851	RICHMOND	RD			47510112	OTTAWA					384.3274985	6056.189295
8059	PETER'S SHELL SERVICE STATION	Motor Vehicle Repair Shop	1970-M	1	1970		747	RICHMOND	RD		OTTAWA	747	RICHMOND	RD			47510121	OTTAWA					217.5433647	2443.941216
8060	ARDLEY SHELL GAS STATION	Motor Vehicle Repair Shop	1956-M	1	1956		747	RICHMOND	RD		OTTAWA	747	RICHMOND	RD			47510121	OTTAWA					217.5433647	2443.941216
8204	EGAN SUNOCO SERVICE STATION	Motor Vehicle Repair Shop	1956-M	1	1956		793	RICHMOND	RD		OTTAWA	75	CLEARY	AVE		K2A1R8	1.59E+08	Old Ottawa					210.3671567	2392.534154
8205	MARCHINGTON BRO SERVICE	Motor Vehicle Repair Shop	1960-M	1	1960		793	RICHMOND	RD		OTTAWA	75	CLEARY	AVE		K2A1R8	1.59E+08	Old Ottawa					210.3671567	2392.534154
8206	STAN TROWBRIDGE SUNOCO	Motor Vehicle Repair Shop	1970-M	1	1970		793	RICHMOND	RD		OTTAWA	75	CLEARY	AVE		K2A1R8	1.59E+08	Old Ottawa					210.3671567	2392.534154
10101	DAVE RENNIE'S AUTOCARE	Other Motor Vehicle Servic	2005-SelectPhone; 2006-ES; 201	1	2005	c. 2005	801	RICHMOND	RD			801	RICHMOND	RD		K2A0G7	47510115	OLD OTTAWA	488410; 811199				144.7294947	1301.71851
10102	464354 ONTARIO LIMITED	Motor Vehicle Repair Shop	2005-PropertyAssessment	1	2005	c. 2005	801	RICHMOND	RD		OTTAWA	801	RICHMOND	RD		K2A0G7	47510115	OLD OTTAWA	811111; 811112; 811119; 811121; 811199				144.7294947	1301.71851
10126	WESTBORO SUNOCO	Motor Vehicle Repair Shop	1948-FIP-335-2221; 1948-M; 195	1	1948-1980	c. 1956; c.	793	RICHMOND	RD		OTTAWA	75	CLEARY	AVE		K2A1R8	1.59E+08	OLD OTTAWA	447110; 447190	633; 635	FIP1948 - lists as residenc		210.3671567	2392.534154
10127	A + S COIN WASH AND DRY CLEANING	Laundries and Cleaners	1970-M	1	1970	c. 1970	739	RICHMOND	RD		OTTAWA	727	RICHMOND	RD		K2A0G6	1.53E+08	OLD OTTAWA	561740; 812310	972			330.6367376	4985.332664

TANK_LOCATION	TANK_CONTENT	TANK_SIZE	TANK_TYPE	TANK_STATUS	SOURCE	INSTALLED_ST_NUM	INSTALLED_ST_NAME	INSTALLED_ST_ABR	INSTALLED_ST_DIR	COMMENT	MTM_X	MTM_Y	IMAGE_MAP	IMAGE_CERTAINTY	IMAGE_MAP_2	TANK_MATERIAL	TANK_ID	TANK_LEAKING	TANK_REMOVED	REMOVED_DATE	DATE_INSTALLED	NATURE_OF_BUSINESS	SCANNED_DRAWING	TEMPRecordID	CAPACITY_UOM	MUNICIPALITY	POSTCODE
UST					FIP1956	771	RICHMOND	RD		historical address - around 771 Richmond	361902.4071	5027152.111	Volume3_335.jp	1													
UST					FIP1956	771	RICHMOND	RD		historical address - around 771 Richmond	361905.3176	5027149.73	Volume3_335.jp	1													
UST					FIP1956	739	RICHMOND	RD		historical address - around 739 Richmond	361959.0281	5027234.132	Volume3_335.jp	1													
UST					FIP1956	739	RICHMOND	RD		historical address - around 739 Richmond	361962.2031	5027231.751	Volume3_335.jp	1													
UST					FIP1948; FIP1956	865	RICHMOND	RD		historical address - 865 Richmond Rd, 761	361734.8892	5026931.944	Volume3_340.jp	1	339.jpg												
UST					FIP1948; FIP1956	865	RICHMOND	RD		historical address - 865 Richmond Rd, 761	361731.7142	5026934.59	Volume3_340.jp	1	339.jpg												
AST	diesel fuel				FIP1948; FIP1956	855	RICHMOND	RD		historical address - 855 Richmond Rd, 753	361769.2851	5026967.398	Volume3_340.jp	1	339.jpg												
AST	diesel fuel				FIP1948; FIP1956	855	RICHMOND	RD		historical address - 855 Richmond Rd, 753	361770.3434	5026970.573	Volume3_340.jp	1	339.jpg												
AST	diesel fuel				FIP1948; FIP1956	855	RICHMOND	RD		historical address - 855 Richmond Rd, 753	361772.9892	5026973.748	Volume3_340.jp	1	339.jpg												
UST	fuel oil				ROW	75	CLEARY	AVE			361911.3503	5027155.645					ST7570					2 tanks					
UST	fuel oil				ROW	747	RICHMOND	RD			361965.4707	5027226.936					ST7621					2 tanks					
UST	fuel oil				ROW	75	CLEARY	AVE			361911.3503	5027155.645					ST7693					2 tanks					
UST	fuel oil				ROW	747	RICHMOND	RD			361965.4707	5027226.936					ST7744					2 tanks					
UST	gasoline	4540	Permit		Bylaw No. 304-60	801	RICHMOND	RD		and pump address verified from dwg & geo	361858.0479	5027084.625	FR300-VAH600	2			ST4539				21/12/1960		Yes				
UST	fuel oil	9080	Permit		Bylaw No. 304-60	30	CLEARY	AVE		address verified from map, Algonquin Ave	361792.9958	5027160.034	FR300-VAH610	2			ST3964				23/06/1966		Yes				
UST	gasoline	13620	Permit		Bylaw No. 8022 -	851	RICHMOND	RD			361742.6836	5026928.643					ST1617				06/10/1958	3 - 3000 gasoline UST					
UST	gasoline	13620	Permit		Bylaw No. 8022 -	851	RICHMOND	RD			361742.6836	5026928.643					ST2310				06/10/1958	3 - 3000 gasoline UST					
UST	gasoline	13620	Permit		Bylaw No. 8022 -	851	RICHMOND	RD			361742.6836	5026928.643					ST2642				06/10/1958	3 - 3000 gasoline UST					
not specified	gasoline	22700	Permit		Bylaw No. 8022 -	747	RICHMOND	RD			361965.4706	5027226.936					ST1619				07/09/1954	2 - 5000 gal gasoline tanks					
not specified	gasoline	22700	Permit		Bylaw No. 8022 -	747	RICHMOND	RD			361965.4706	5027226.936					ST2311				07/09/1954	2 - 5000 gal gasoline tanks					
UST	gasoline	45400	Permit		Bylaw No. 304-60	747	RICHMOND	RD			361965.4706	5027226.936	FR300-VAH600	3			ST4541				18/09/1974		Yes				
UST	gasoline	22700	Existing	Active	Bylaw No. 304-60	747	RICHMOND	RD			361965.4706	5027226.936	FR300-VAH600	3			ST4540	N	N		14/04/1964		Yes				
UST	gasoline	22700	Existing	Active	Bylaw No. 304-60	747	RICHMOND	RD			361965.4706	5027226.936	FR300-VAH600	3			ST5089	N	N		14/04/1964		Yes				
UST	fuel oil	2270	Existing	Active	Bylaw No. 304-60	747	RICHMOND	RD			361965.4706	5027226.936	FR300-VAH600	3			ST6637	N	N				Yes				
UST	waste oil	2270	Existing	Active	Bylaw No. 304-60	747	RICHMOND	RD			361965.4706	5027226.936	FR300-VAH600	3			ST7098	N	N				Yes				
not specified	gasoline	4540	Permit		Bylaw No. 8022 -	747	RICHMOND	RD		near cleary st address verified from 1960 c	361965.4706	5027226.936					ST1618				07/09/1954	1 - 1000 gasoline tank & 1 - 1000 fuel oil					
not specified	fuel oil	4540	Permit		Bylaw No. 8022 -	747	RICHMOND	RD		near cleary st address verified from 1960 c	361965.4706	5027226.936					ST1835				07/09/1954	1 - 1000 gasoline tank & 1 - 1000 fuel oil					
not specified	gasoline	18160	Permit		Bylaw No. 8022 -	75	CLEARY	AVE		793 richmond rd historic address, Serv Stn	361911.3503	5027155.645					ST1681				18/02/1957	1 - 4000 gal gasoline					
not specified	gasoline	13620	Permit		Bylaw No. 8022 -	75	CLEARY	AVE			361911.3503	5027155.645					ST1680				07/02/1955	3 - 3000 gal gasoline 1 - 1000 gal fuel oil tank; & 1 - 1000 wa					
not specified	gasoline	13620	Permit		Bylaw No. 8022 -	75	CLEARY	AVE			361911.3503	5027155.645					ST2334				07/02/1955	3 - 3000 gal gasoline 1 - 1000 gal fuel oil tank; & 1 - 1000 wa					
not specified	gasoline	13620	Permit		Bylaw No. 8022 -	75	CLEARY	AVE			361911.3503	5027155.645					ST2649				07/02/1955	3 - 3000 gal gasoline 1 - 1000 gal fuel oil tank; & 1 - 1000 wa					
not specified	fuel oil	4540	Permit		Bylaw No. 8022 -	75	CLEARY	AVE			361911.3503	5027155.645					ST2708				07/02/1955	3 - 3000 gal gasoline 1 - 1000 gal fuel oil tank; & 1 - 1000 wa					
not specified	waste oil	4540	Permit		Bylaw No. 8022 -	75	CLEARY	AVE			361911.3503	5027155.645					ST2927				07/02/1955	3 - 3000 gal gasoline 1 - 1000 gal fuel oil tank; & 1 - 1000 wa					

Prepared By: *D.Klar*
City of Ottawa
Environmental Remediation Unit
2021-04-12

HLUI SUMMARY REPORT
LINEAR FEATURES

OBJECTID	SOURCE	FEATURE	YEAR	COMMENT	NAME	Shape_Length
23	1979-Topographic Map	Abandoned Railway				6782.2466
125	1906-Topographic Map	Electric Railway	1929, 1950, 1954	Ottawa Electric Railway		6396.9513

Prepared By: *D.Kiar*
City of Ottawa
Environmental Remediation Unit
2021-04-12

APPENDIX 3

QUALIFICATIONS OF ASSESSORS

Nick Sullivan, B.Sc.

patersongroup

Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

Materials Testing

Building Science

Archaeological Services

POSITION

Environmental Scientist

EDUCATION

McMaster University, B.Sc. 2016
Earth & Environmental Science

Niagara College, Cert. 2017
Environmental Management & Assessment

EXPERIENCE

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

SELECT LIST OF PROJECTS

Phase I & II Environmental Site Assessments
Contaminated Soil and Groundwater Field Sampling
Subsurface Investigations of Soil and Rock Stratigraphy
Supervision of Environmental Remediation Programs
Designated Substance Surveys

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