PATERSON GROUP

Phase I Environmental Site Assessment

5923 Ottawa Street
Ottawa, Ontario

Stratford-Fox Run

Report: PE6526-1R
November 14, 2024

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EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by Mr. Jack Gulas with Stratford-Fox Run, to conduct a Phase I Environmental Site Assessment (ESA) for the property addressed 5923 Ottawa Street in Ottawa (Richmond), Ontario. The purpose of this Phase I ESA was to research the past and current use of the Phase I Property and the Phase I Study Area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical research, the Phase I ESA Property has historically been used for agricultural purposes until the early 1990's. The Phase I Property has never been developed and exists as vacant, partially treed land. No historical potentially contaminating activities (PCAs) were identified on the Phase I Property.

The historical use of the surrounding lands consisted of primarily agricultural with some residential, commercial and industrial land use. This includes a rail line which has been present northwest of the Phase I Property since as early as 1950. In addition to the rail line, a manufacturing company and a commercial nursery were identified as PCAs within the Phase I Study Area. Finally, a furnace oil spill west of the Phase I Property, identified via historical records, was identified as a PCA within the Phase I Study Area.

Following the historical research, a site visit was conducted. The Phase I ESA Property is currently vacant, undeveloped land. The ground surface is covered with a combination of low-lying vegetation and forest. No PCAs activities were observed on the Phase I Property at the time of the site visit.

Neighbouring land use in the Phase I Study Area is primarily agricultural and residential with some commercial and industrial land use. Five existing off-site PCAs were identified within the Phase I Study Area: a manufacturing facility at 5935 Ottawa Street, immediately adjacent to the west of the Phase I Property; a body shop and automotive service garage at 5949 Ottawa Street; a rail line corridor adjacent to the north of the Phase I Property; and a commercial nursery at 5901 Ottawa Street.

One off-site PCA, the manufacturing facility west of the Phase I Property, was considered to result in an area of potential environmental concern (APEC) on the Phase I Property. This PCA has the potential for contaminants to have infiltrated the soil and/or groundwater on the section of the Phase I Property that is adjacent to the manufacturing building on 5935 Ottawa Street.

Contaminants of potential concern associated with the Manufacturing of Medical and Measurement devices include VOCs, BTEX, PHCs (F_1-F_4), Metals, Mercury, Hexavalent Chromium, and ABNs.

The remaining off-site PCAs are not considered to result in APECs on the Phase I Property based on separation distance, orientation relative to groundwater flow direction, nature of the activity, low mobility of associated contaminants of potential concern (CPCs) and/or the low permeability/hydraulic conductivity of the underlying silty clay soils.

CONCLUSION

Based on our findings of the assessment, it is our opinion that **a Phase II Environmental Site Assessment is required for the Phase I Property.**

1.0 INTRODUCTION

At the request of Mr. Jack Gulas with Stratford-Fox Run, Paterson Group (Paterson) conducted a Phase I Environmental Site Assessment (ESA) for the property addressed 5923 Ottawa Street in Ottawa (Richmond), Ontario, herein referred to as the Phase I Property. The purpose of this Phase I ESA was to research the past and current use of the Phase I Property and properties within the Phase I Study Area to identify any potentially contaminating activities (PCAs) that would result in areas of potential environmental concern (APECs) on the Phase I Property.

Paterson was engaged to conduct this Phase I ESA by Mr. Joshua Laginski with Inverness Homes on behalf of Mr. Jack Gulas. The head office of Inverness Homes is located at 38 Auriga Drive Suite #200, Ottawa, Ontario. Mr. Laginski can be reached by telephone at (613) 838-3952.

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

This Phase I ESA report has been prepared under the supervision of a Qualified Person, in general accordance with Ontario Regulation (O.Reg.) 153/04, as amended under the Environmental Protection Act, and CSA Z768-01 (R2022). 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 and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as local, provincial, and federal agencies and was limited within the scope-of-work, time, and budget of the project herein.

2.0 PHASE I PROPERTY INFORMATION

Address:	5923 Ottawa Street, Ottawa (Richmond), Ontario.
Legal Description:	PCL 10-4, SEC 4D-26; PT UNIT 10, PL 4D-26, PT 4, 4R7050; GOULBOURN
Location:	The Phase I Property is located on the north side of Ottawa Street, approximately 150 m west of Eagleson Road, in the Ottawa, Ontario. Refer to Figure 1 - Key Plan in the Figures section following the text.
Latitude and Longitude:	45°11’ 30.6” N, 75° 49’ 6.2” W

Site Description:

Configuration:	Irregular
Area:	2.27 ha
Zoning:	RG3 – Rural General Industrial
Current Use:	The Phase I ESA Property is currently vacant, undeveloped land.
Services:	The Phase I ESA Property is not currently serviced. The property will be provided with private services upon development.

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 Phase I Property and study area by conducting site reconnaissance.
- ❑ Conduct interviews with persons knowledgeable of current and historic operations on the Phase I Property, and if warranted, neighbouring properties.
- ❑ Present the results of our findings in a comprehensive report in general accordance with the requirements O.Reg. 153/04, as amended under the Environmental Protection Act, and the requirements of CSA Z768-01 (R2022).
- ❑ Provide a preliminary environmental site evaluation based on our findings.
- ❑ Provide preliminary remediation recommendations and further investigative work if contamination is suspected or encountered.

4.0 RECORDS REVIEW

4.1 General

Phase I ESA Study Area Determination

A radius of approximately 250 m was determined to be appropriate as a Phase I Study Area for this assignment. Properties outside the 250 m radius are not considered to have impacted the Phase I Property based on their significant separation distance.

First Developed Use Determination

Based on a review of available information, the Phase I Property appears to have been used for agricultural purposes since at least 1950 through the early 1990's and has never been developed. The surrounding area has generally been used for commercial and agricultural purposes.

Fire Insurance Plans

Fire insurance plans (FIPs) are not available for the area of the Phase I Property.

City of Ottawa Street Directories

City directories are not available for the area of the Phase I Property.

Chain of Title

A Chain of Title was not required as part of this assessment given other information from the records review *(aerial photograph review)* satisfies the objectives of the records review and a title search back to the date of the first developed use would not contribute to obtaining information about the environmental condition of the Phase I Property.

Previous Environmental Reports

Paterson has previously conducted environmental site assessments for properties in the Phase I Study Area. No potentially contaminating activities (PCAs) with the potential to result in areas of potential environmental concern (APECs) on the Phase I Property were identified.

Plan of Survey

A draft subdivision plan prepared by Arnett, Kennedy, Riddell & Jason Surveying Ltd., dated May 26, 1989, was reviewed as part of this assessment.

Part 4 (the Phase I Property) is depicted in the plan in its current configuration. A copy of the survey plan is provided in Appendix 1.

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically in June 2023. No records were found in the NPRI database for properties within the Phase I Study Area.

PCB Inventory

A search of provincial PCB waste storage sites was conducted. No PCB waste storage sites were reported within the Phase I Study Area.

Areas of Natural Significance

A search for areas of natural significance and features within the Phase I Study Area was conducted on the website of the Ontario Ministry of Natural Resources (MNR) in May 2024. The search did not reveal any areas of natural significance within the Phase I Study Area.

Ministry of the Environment, Conservation and Parks (MECP) Submissions

A request was submitted to the MECP Freedom of Information (FOI) office for information with respect to reports related to environmental conditions for the Phase I Property. The response from the MECP indicated that no records were located responsive to this request. A copy of the MECP response has been provided in Appendix 2.

As discussed further in a following section below, an ERIS report was obtained for the Phase I Property and Phase I Study Area. The ERIS report did not identify any related records for the Phase I Property or properties in the 250 m study area.

MECP Instruments

The MECP's Access Environment website was reviewed for information with respect to certificates of approval, permits to take water, certificates of property use or any other similar MECP-issued instruments. No records were identified for the Phase I Property; however, one environmental compliance approval (ECA), one environmental activity and sector registration (EASR) and one pesticide licence were identified for properties within the 250 m study area.
The ECA was related to permitting of the construction of a paint booth at 5949 Ottawa Street. The EASR was related to a pumping test conducted in 2024,

approximately 190 m southwest of the Phase I Property. The pesticide licence was related to the operation of a commercial garden centre at 5901 Ottawa Street. This result is consistent with the records produced in the ERIS report. As further discussed below in the ERIS section, the identified activities are not considered to pose an environmental concern to the Phase I Property. A copy of the ERIS report is provided in Appendix 2.

MECP Waste Management Records

A request was submitted to the MECP FOI office for information with respect to waste management records as a part of this assessment. The response from the MECP indicated that no records were located responsive to this request. A copy of the MECP response has been provided in Appendix 2.

As discussed further in a following section below, an ERIS report was obtained for the Phase I Property and Phase I Study Area. The ERIS report did not identify any related records for the Phase I Property however, waste generator records were recovered for several properties in the 250 m study area and are discussed further in the ERIS section below.

MECP Incident Reports

A request was submitted to the MECP FOI office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspections maintained by the MECP as a part of this assessment. The response from the MECP indicated that no records were located responsive to this request. A copy of the MECP response has been provided in Appendix 2.

As discussed further in a following section below, an ERIS report was obtained for the Phase I Property and Phase I Study Area. The ERIS report did identify two spill records within the Phase I Study area. The first spill record pertains to a furnace oil spill of 900L of furnace oil at 5949 Ottawa Street. The second spill record pertains to the report of an odour by a resident at 52 Chanonhouse Drive.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry was conducted for the Phase I Property and neighbouring properties within the Phase I Study Area. No Records of Site Condition (RSCs) were identified within the Phase I Study Area.

MECP Waste Disposal Site Inventory

The Ontario Ministry of Environment document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of the historical research. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants and coal tar distillation plants in the Province of Ontario. There are no former waste disposal sites located within 250 m of the Phase I Property.

MECP Coal Gasification Plant Inventory

The Ontario Ministry of Environment document titled "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed to reference the locations of former plants with respect to the site. No Municipal Coal Gasification Plant Sites are located within the Phase I Study Area.

Environmental Risk Information Services (ERIS) Report

A database report, prepared by ERIS (Environmental Risk Information Services Ltd.), dated April 23, 2024, was acquired and reviewed as part of this assessment. This report provides a compilation of various provincial and federal environmental related records pertaining to any properties situated within the Phase I Study Area. The complete ERIS report has been included in Appendix 2.

The ERIS report identified a total of 54 records associated with properties within the 250 m radius of the subject site (2 of which are previous ERIS searches):

<u>Phase I Property</u>

- The ERIS report identified one (1) record attributed to the Phase I Property. However, the domestic water supply well described by this record is considered to be associated with the neighbouring property west of the Phase I Property at 5935 Ottawa Street. Based on the well record, the stratigraphy is grey clay over limestone bedrock. The ERIS report did not identify any potentially contaminating activities on the Phase I Property.

<u>Properties Adjacent to the Phase I Property</u>

- The ERIS report identified thirteen (13) Waste Generator records for the adjacent property to the west, addressed 5935 Ottawa Street. The records pertain to the generation of organic chemicals and aliphatic solvents associated with the manufacturing of measurement, medical, and communication equipment for the years 2001-2016, 2018, 2020, 2021, and 2022.

The waste generating activities are considered to represent a potentially contaminating activity (PCA) resulting in an area of potential environmental concern on the Phase I Property.

- The ERIS report identified six (6) records from the Scott's Manufacturing Directory for the properties adjacent to the Phase I Property. Five (5) of these records pertain to the manufacturing of medical equipment, measuring devices and other communications equipment immediately west of the Phase I Property at 5935 Ottawa Street. Two of the five records are from 1972 and the remaining three are from 1986. The activities associated with these records are considered to represent a PCA resulting in an APEC on the Phase I Property.

  The sixth record pertains to floriculture production established in 1968 at the property addressed 5901 Ottawa Street which boarders the Phase I Property on the East side. This activity is not considered to represent a PCA and as such, is not considered to pose a concern to the Phase I Property.

- The ERIS report identified seven (7) Pesticide Registers pertaining to vendor licences for multiple nursery and garden centre businesses, each operating for a time out of the adjacent property to the east at 5901 Ottawa Street. These records are not considered to represent a PCA with potential to impact the Phase I Property.

Remaining Properties within the Phase I Study Area

- The ERIS report identified one (1) record of an Environmental Compliance Approval (ECA). This ECA pertains to the permitting of a paint booth to be constructed and operated at 5949 Ottawa Street. Since this property is approximately 90 m west of the Phase I Property and is considered to be situated cross-gradient relative to the Phase I Property, the paint booth operation is not considered to represent an area of potential environmental concern (APEC) on the Phase I Property.

- The ERIS report identified one (1) record of a Certificate of Approval within the 250 m radius of the subject site. This record pertains to the property west of the subject site addressed 5949 Ottawa Street and concerns the same activity described under the above described ECA.

- The ERSI report identified one (1) record of an Environmental Activity and Sector Registry (EASR). This EASR was filed for an automotive refinishing facility located at 5949 Ottawa Street. This activity is not considered to represent a PCA.

- ❒ The ERIS report identified one (1) Ontario Spill record of note for properties within 250 m of the Phase I Property. The pertinent record identified pertains to a 900-litre furnace oil leak to the ground at the property addressed 5949 Ottawa Street. Given that this spill occurred at least 70 meters away from the Phase I Property and that the property at 5949 Ottawa Street is inferred to be situated cross-gradient relative to the subject land, this spill is not considered to represent and APEC on the Phase I Property.

- ❒ The ERIS report identified 18 well records and 3 borehole records within the Phase I Study Area.

- ❒ A copy of the ERIS report is provided in Appendix 2.

Technical Standards and Safety Authority (TSSA)

The Technical Standards and Safety Authority (TSSA) Fuels Safety Branch in Toronto was contacted on April 19, 2024, and July 10, 2024 to inquire about current and former underground or aboveground storage tanks, historical spills, and incidents for the subject site and neighbouring properties. The response from the TSSA indicated that there are no fuel records in their database for the properties addressed 5901 Ottawa Street, 5923 Ottawa Street, 5935 Ottawa Street, 5949 Ottawa Street, 5954 Ottawa Street, 5958 Ottawa Street, 5966 Ottawa Street, 5969 Ottawa Street, 5970 Ottawa Street, 5978 Ottawa Street, 5990 Ottawa Street, 5994 Ottawa Street, 50 Chanonhouse Drive, 52 Chanonhouse Drive, 3129 Eagleson Road, 3187 Eagleson Road, 3760 Eagleson Road, or 15 Mac Storey Street.

Based on the ERIS report, there are no records for the remaining properties within the 250m study area.

A copy of the correspondence with the TSSA on the properties of interest has been included in the Appendix.

City of Ottawa Landfill Document

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

City of Ottawa Historical Land Use Inventory (HLUI)

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) database for any environmental records pertaining to the Phase I Property as well as any properties situated within the Phase I Study Area.

The response from the City of Ottawa indicated that the Environmental Remediation unit and the Sewer Use Program have no records relating to the Phase I Property. In addition, the Ottawa Public Health Department website returned no results for the Phase I Property. Finally, the Solid Waste Services department confirmed that the Phase I Property is not within 5 kilometers of any solid waste services facilities. A copy of the HLUI Response Letter has been included in Appendix 2.

4.3 Physical Setting Sources

Aerial Photographs

Historical air photos from the National Air Photo Library and The City of Ottawa's website geoOttawa were reviewed in approximate ten-year intervals. Based on the review, the following observations have been made:

1950 (National Air Photo Library) The Phase I Property consists of vacant land and appears to be used for agricultural purposes. A rail line can be seen immediately north of the Phase I Property, followed by agricultural lands; the Marlborough Creek, a tributary of the Jock River runs in a northeast-southwest direction, just north of the rail line and west of the Phase I Property. The surrounding lands consist of agricultural land to the south, east and west, with a residential dwelling observable south of the Phase I Property, across Ottawa Street.

1959 (National Air Photo Library) No significant changes are apparent with respect to the Phase I Property and the surroundings properties within the 250 m study area, since the previous photograph.

1976 (geoOttawa) No significant changes are apparent with respect to the Phase I Property. A residential dwelling followed by four (4) elongated building structures considered to be greenhouse structures, are present to the east of the Phase I Property at 5901 Ottawa Street.

1985 (National Air Photo Library) No significant changes are apparent with respect to the Phase I Property. Four (4) additional elongated building structures have been added to the property further to the east of the Phase I Property.

1991 (geoOttawa) No significant changes are apparent with respect to the Phase I Property. Additional greenhouse or storage-type buildings have been constructed on the property further to the east of the Phase I Property, while an apparent commercial building has been constructed on the adjacent property to the west.

2002 (geoOttawa) The Phase I Property appears to remain unchanged from the previous photograph. Additional greenhouse or storage-type buildings have been constructed east of the Phase I Property. An apparent commercial building has been constructed two properties west of the subject land.

2011 (geoOttawa) The Phase I Property appears to remain unchanged from the previous photograph. No significant changes appear to have been made to the adjacent and neighbouring properties, since the previous photograph. Residential dwellings have been constructed to further to the northwest of the Phase I Property

2022 (geoOttawa) The Phase I Property remains as vacant, undeveloped land, with no apparent changes from the 2011 photograph. No significant changes appear to have been made to the adjacent and neighbouring properties since the previous photograph.

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

Physiographic Maps

A Physiographic Map was reviewed from the Natural Resources Canada - The Atlas of Canada website. According to this physiographic map, the site is located in the St. Lawrence Lowlands. According to the mapping description provided: “The lowlands are plain-like areas that were all affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets.” The Phase I Property is located in the Central St. Lawrence Lowland, “where the land is rarely more than 150 m above sea level, except for the Monteregion Hills, which consist of intrusive igneous rocks.

Topographic Maps

Topographic maps were obtained from Natural Resources Canada – The Atlas of Canada website and from the City of Ottawa website.

The topographic maps indicate that the regional topography in the general area of the Phase I Property slopes down in a northerly direction toward the Jock River. The slope of the local topography and the inferred groundwater flow direction is also in this direction. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

Geological Maps

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on the information from NRCAN, bedrock in the area of the site consists primarily of dolostone of the

Oxford Formation. Based on the maps, the thickness of overburden ranges from 3 to 5 m on the western portion of the site, 5-10 m on the central portion of the site and 10 to 15 m on the north-eastern portion of the site. Overburden consists of offshore marine sediments (clay and silt). Stratigraphy presented on well records for the study area generally confirms the reported geology.

Water Well Records

A well record search was conducted in June 2024 for all drilled wells within 250 m of the Phase I Property. One well record was identified on the Phase I Property as per the ERIS report however, this well is considered to be associated with the neighbouring property addressed 5935 Ottawa Street. The stratigraphy of the Phase I Study Area as presented in the well record is generally characterized by clay or sandy clay extending to a depth of 2.5 - 6.0m underlain by a limestone bedrock. The search also identified 18 records for potable wells within the study area, including the aforementioned well record. A copy of the well records has been included in Appendix 2.

Areas of Natural Significance

No areas of natural significance were identified in the Phase I Study Area.

Water Bodies

The Marlborough Creek flows from southwest of the Phase I Property in a northerly direction west of the Phase I Property. No other natural water bodies were identified in the Phase I Study Area.

5.0 INTERVIEWS

Property Owner Representative

As part of this assessment, Mr. David Jenkins, the property owner for the past 25 years was interviewed via email correspondence April 22, 2024. According to Mr. Jenkins, the property has never been formally developed. Mr. Jenkins was also not aware of any environmental concerns associated with the Phase I Property.

Mr. Jenkins is also the owner of the adjacent property to the west of the Phase I Property at 5935 Ottawa Street, currently occupied by Quatrosense Environmental Ltd., a manufacturer and distributor of a wide selection of instrumentation for hazardous gas detection. According to Mr. Jenkins on-site manufacturing operations were halted approximately 20 to 25 years ago and currently, only final assembly is done on-site. Mr. Jenkins reported that any solvents used in the operations are properly stored and disposed of by licenced, third-party companies.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

The initial site investigation was conducted on April 22, 2024. Weather conditions were sunny, with a temperature of approximately 11ºC. Mr. Mark Bujaki from the Environmental Department of Paterson Group conducted the site investigation. Mr. Bujaki holds a Bachelor of Earth Sciences, a Graduate Diploma in Environmental Management and Assessment and has approximately 6 months of experience in the completion of Phase I ESAs. The duration of the site visit was approximately 1 hour. In addition to the site, the uses of neighbouring properties within the Phase I Study Area were also assessed at the time of the site visit from publicly accessible areas.

6.2 Specific Observations at the Phase I Property

Buildings and Structures

There are no buildings or structures present on the Phase I Property

Site Features

The Phase I Property is made up of one vacant parcels of land. The topography of Phase I Property of is generally flat and drainage occurs through infiltration; the ground surface is covered with a combination of low-lying vegetation to southeast and a forested region to the northwest. There was some pooled water on the Phase I Property at the time of inspection along the east side of the site and south of the forested section.

No sheen or other evidence of potential contamination was observed on the ponded water. No signs of stressed vegetation, surficial staining or evidence of fill placement were noted on the Phase I Property.

Subsurface Services and Utilities

The Phase I Property is undeveloped. There are no underground services or utilities on-site. It is our understanding that the property will be serviced with a private well and septic system upon development.

Fuels and Chemical Storage

No fuels or chemicals are stored at the Phase I Property.

Unidentified Substances

No unidentified substances were noted on the exterior of the Phase I Property at the time of the site visit.

Current or Former Rail or Spur Lines

No evidence of existing for former rail or spur lines was observed on the exterior of the Phase I Property at the time of the site visit. However, an existing off-site rail corridor abuts the Phase I Property to the north. The rail line is considered to be an off-site PCA.

The rail line is approximately 14m from the edge of the Phase II Property. Hydrogeological conditions in the Phase I Study Area are considered to mimic the topographic setting; as a result, groundwater is expected to flow in a northerly direction towards Marlborough Creek and ultimately the Jock River. As such the rail line is considered to be down-gradient of the Phase I Property.

Contaminants of concern typically associated with rail lines consist of Metals and PAHs which have low solubility and therefor a low mobility in soils, particularly through low permeable clays.

Given that any potential contaminants of concern are unlikely to travel large distances, and any movement would be away from the Phase I Property to the north due to the rail line's down-gradient orientation relative to the Phase I Property, the rail line is not considered to have had the potential to impact the Phase I Property and is not considered to result in an APEC on the Phase I Property.

Waste Management

Waste is not currently generated on the Phase I Property.

Site features are presented on Drawing PE6526-1 – Site Plan, provided in the Figures section following the text.

Neighbouring Properties

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

- ❒ North: Smiths Falls rail corridor followed by Marlborough Creek and vacant, treed land;
- ❒ South: Ottawa Street followed by agricultural land;
- ❒ East: A residential dwelling followed by a commercial nursery and garden centre (Ritchie Fee & Seed Inc.);
- ❒ West: Industrial (Quatrosense Environmental Ltd. - environmental equipment manufacturing company) followed by Commercial (NAPA Autopro - automotive service garage and body shop).

There are multiple land uses within the Phase I Study Area. There is some residential land use south and west of the Phase I Property as well as commercial or industrial businesses directly to the east and west of the Phase I Property.

No monitoring wells, piezometers, disturbed soil, or abundant debris were observed on the properties in the immediate vicinity of the Phase I Property.

The manufacturing company on the adjacent property to the west at 5935 Ottawa Street is considered to represent a potentially contaminating activity resulting in an area of potential environmental concern on the Phase I Property
Other off-site PCAs include the rail line immediately north of the Phase I Property and the commercial nursery situated to the east of the Phase I Property at 5901 Ottawa Street.

Based on the nature of the activity, the low solubility and mobility of associated contaminants of potential concern (typically metals and PAHs), the downgradient orientation relative to the Phase I Property and low hydraulic conductivity typically associated with the silty clay soils underlying the site and neighbouring properties, the rail line is not considered to represent an area of potential environmental concern on the Phase I Property.

The property at 5901 Ottawa Street has been operated as a commercial nursery since circa 1968 and has had a pesticide vendor licence since this time. Given the nature of the activity in combination with the separation distance of approximately 25 to 60m in combination with the low hydraulic conductivity of the underlying silty clay soils, and the orientation of the property cross-gradient relative to the subject land, this PCA is not considered to result in an APEC on the Phase I Property.

Surrounding land use and PCAs are shown on Drawing PE6526-2 – Surrounding Land Use Plan (SLUP). Those PCAs not considered to result in APECs on the Phase I Property are presented in green, while PCAs considered to result in APECs are presented in red.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

The Phase I Property has always been vacant, undeveloped land, likely used for agricultural purposes until the early 1990's. Adjacent and neighbouring properties were historically primarily used for agricultural purposes with some residential dwellings and the Smiths Falls rail corridor.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

Based on the findings of the Phase I ESA, no potentially contaminating activities (PCAs) were identified on the Phase I Property.

Six off-site PCAs were identified within the Phase I Study Area. Two of these PCAs pertain to the operation of a commercial automotive service garage at 5949 Ottawa Street with an associated paint booth. An additional PCA pertains to a historical furnace oil spill at the same address. Based on available information and the separation distance between these PCAs as well as their cross-gradient orientation, they are not considered to have resulted in an area of potential environmental concern (APEC) on the Phase I Property.

A fourth PCA pertains to the manufacturing of environmental electronic equipment and the associated wase generation at 5935 Ottawa Street. Based on available information and the limited separation distance, this PCA is considered to have the potential to have resulted in an APEC on the Phase I Property.

A fifth PCA pertains to the operation of a rail line northwest of the Phase I Property. Based on the information available and the relative mobility of the contaminants associated with rail lines, this PCA is not considered to have resulted in an APEC.

The final PCA pertains to the use of pesticides at 5901 Ottawa Street for the purposes of operating a commercial nursery. Based on the cross-gradient orientation of this PCA with respect to the Phase I Property, the low hydraulic conductivity of the underlying silty clay soils, and the approximate separation distance of 25 to 60m it is not considered to have resulted in an APEC on the Phase I Property.

Site features and surrounding land use can be seen on Drawing PE6526-1 – Site Plan and Drawing PE6526-2 – Surrounding Land Use, respectively.

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

Based on information from the Geological Survey of Canada, bedrock beneath the site area consists of dolostone of the Oxford Formation. It was reported that surficial soils consist of Quaternary sediments, specifically offshore marine sediments, with a drift thickness of 3-5 m on the western portion of the site and 10-15 m on the eastern portion. Hydrogeological conditions are considered to mimic the topographic setting; as a result, groundwater is expected to flow towards Marlborough Creek ultimately the Jock River.

Fill Placement

Based on the historical use of the Phase I ESA Property as agricultural land, fill material of unknown quality is not likely present on the Phase I ESA Property.

Areas of Natural Significance

No areas of natural significance were identified in the Phase I Study Area.

Water Bodies

The Marlborough Creek runs in a generally northward direction from southwest of the Phase I Property to north of the Phase I Property. No other natural water bodies were identified in the Phase I Study Area.

Drinking Water Wells

One well record was identified in the ERIS report as being on the Phase I Property however, this well is considered to be associated with the neighbouring property addressed 5935 Ottawa Street. Potable wells are present and appear to be in use in the Phase I Study Area. No records of monitoring wells were identified within the Phase I Study Area.

Existing Buildings and Structures

There are no buildings or structures present on the Phase I ESA Property.

Subsurface Structures and Utilities

The Phase I Property is not situated in a municipally serviced area. There are no underground utilities and/or structures on the Phase I Property.

Neighbouring Land Use

Neighbouring land use in the Phase I Study Area consists of agricultural, residential, commercial and industrial. Surrounding land use is shown on Drawing PE6526-2 – Surrounding Land Use Plan, attached.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

No PCAs were identified on the Phase I Property. Six off-site PCAs were identified within the Phase I Study Area; one of which is considered to have resulted in an APEC on the Phase I Property, as presented in the table below.

Table 1: Areas of Potential Environmental Concern

Area of potential environmental concern	Location of area of potential environmental concern on phase one property	Potentially contaminating activity	Location of PCA (on-site or off-site)	Contaminants of potential concern	Media potentially impacted (Groundwater, soil and/or sediment)
APEC 1 (Manufacturing of Measuring, Medical and Controlling Devices)	Southwestern portion of Phase I Property	PCA: N/A (Manufacturing of Measuring, Medical and Controlling Devices)	Off-site	VOCs BTEX PHCs (F_1-F_4) Metals Hg, CrVI ABNs	Soil Groundwater

The PCA identified as #1 on Drawing PE6256-2 – Surrounding Land Use Plan, has no applicable PCA Item under Table 2 of O.Reg. 153/04 although it is considered to be a potentially contaminating activity and is therefore identified as Not Applicable: Manufacturing of Measuring, Medical and Controlling Devices in Table 1. This PCA is associated with the manufacturing industry on the adjacent property to the west.

It is our understanding that current operations consist of final assembly and repair; no manufacturing has occurred at the property for approximately 20 to 25 years and any previous/existing chemicals used at the property are properly stored and disposed of by licenced contractors. While the associated risk is considered to be low, given the proximity of the site to the Phase I Property, this PCA is considered to represent an APEC on the Phase I Property.

The location of APEC 1 on the Phase I Property is presented on Drawing P6526-1 – Site Plan.

Off-site PCAs not considered to result in APECs on the Phase I Property include the following:

- ID #2 – PCA 28: Gasoline and Associated Products Storage in Fixed Tanks) – associated with a furnace oil spill at 5949 Ottawa Street.
- ID #3 – PCA 10: Commercial Autobody Shop – associated with a body shop/paint booth at 5949 Ottawa Street.
- ID #4 – PCA 52: Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems – automotive service garage at 5949 Ottawa Street.
- ID #5 – PCA 46: Rail Yards Tracks and Spurs – rail line north of the Phase I Property
- ID#6 – PCA 40: Pesticides (Including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications – Commercial nursery at 5901 Ottawa Street.

As previously discussed, these PCAs are not considered to result in APECs on the Phase I Property based on separation distance, orientation relative to groundwater flow direction, nature of the activity, low mobility of associated contaminants of potential concern (CPCs) and/or the low permeability/hydraulic conductivity of the underlying silty clay soils.

Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of this Phase I is considered to be sufficient to conclude that there is one PCA that has resulted in an APEC on the Phase I Property.

A variety of independent sources were consulted as part of this assessment, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

8.0 CONCLUSIONS

8.1 Assessment

Paterson Group was retained by Mr. Jack Gulas with Stratford-Fox Run, to conduct a Phase I Environmental Site Assessment (ESA) for the property addressed 5923 Ottawa Street in Ottawa (Richmond), Ontario. The purpose of this Phase I ESA was to research the past and current use of the Phase I Property and the Phase I Study Area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical research, the Phase I ESA Property has historically been used for agricultural purposes until the early 1990's. The Phase I Property has never been developed and exists as vacant, partially treed land. No historical potentially contaminating activities (PCAs) were identified on the Phase I Property.

The historical use of the surrounding lands consisted of primarily agricultural with some residential, commercial and industrial land use. This includes a rail line which has been present northwest of the Phase I Property since as early as 1950. In addition to the rail line, a manufacturing company and a commercial nursery were identified as PCAs within the Phase I Study Area. Finally, a furnace oil spill west of the Phase I Property, identified via historical records, was identified as a PCA within the Phase I Study Area.

Following the historical research, a site visit was conducted. The Phase I ESA Property is currently vacant, undeveloped land. The ground surface is covered with a combination of low-lying vegetation and forest. No PCAs activities were observed on the Phase I Property at the time of the site visit.

Neighbouring land use in the Phase I Study Area is primarily agricultural and residential with some commercial and industrial land use. Five existing off-site PCAs were identified within the Phase I Study Area: a manufacturing facility at 5935 Ottawa Street, immediately adjacent to the west of the Phase I Property; a body shop and automotive service garage at 5949 Ottawa Street; a rail line corridor adjacent to the north of the Phase I Property; and a commercial nursery at 5901 Ottawa Street.

One off-site PCA, the manufacturing facility west of the Phase I Property, was considered to result in an area of potential environmental concern (APEC) on the Phase I Property. This PCA has the potential for contaminants to have infiltrated the soil and/or groundwater on the section of the Phase I Property that is adjacent to the manufacturing building on 5935 Ottawa Street.

Contaminants of potential concern associated with the Manufacturing of Medical and Measurement devices include VOCs, BTEX, PHCs (F_1-F_4), Metals, Mercury, Hexavalent Chromium, and ABNs.

The remaining off-site PCAs are not considered to result in APECs on the Phase I Property based on separation distance, orientation relative to groundwater flow direction, nature of the activity, low mobility of associated contaminants of potential concern (CPCs) and/or the low permeability/hydraulic conductivity of the underlying silty clay soils.

8.2 Recommendations

Based on our findings of the assessment, it is our opinion that **a Phase II Environmental Site Assessment is required for the Phase I Property.**

9.0 STATEMENT OF LIMITATIONS

This Phase I Environmental Site Assessment report has been prepared under the supervision of a Qualified Person, in general accordance with O.Reg. 153/04, as amended, and CSA Z768-01 (R2022). 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 and 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 Mr. Jack Gulas of Stratford-Fox Run. Permission and notification from the above noted party and Paterson will be required to release this report to any other party.

Paterson Group Inc.

Mark Bujaki, B.Sc., MBA

Karyn Munch, P.Eng,QP$_{ESA}$

Report Distribution:

- ❑ Startford-Fox Run – Mr. Jack Gulas
- ❑ Paterson Group

10.0 REFERENCES

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

Provincial Records
MECP Freedom of Information and Privacy Office.
MECP Municipal Coal Gasification Plant Site Inventory, 1991.
MECP document titled “Waste Disposal Site Inventory in Ontario”.
MECP Brownfields Environmental Site Registry.
Office of Technical Standards and Safety Authority, Fuels Safety Branch.
MNR Areas of Natural Significance.
MECP Water Well Record Inventory.
Chapman, L.J., and Putnam, D.F., 1984: ‘The Physiography of Southern Ontario, Third Edition’, Ontario Geological Survey Special Volume 2.
PCB Waste Storage Site Inventory.

Municipal Records
City of Ottawa Document “Old Landfill Management Strategy, Phase I - Identification of Sites.”, prepared by Golder Associates, 2004.
Intera Technologies Limited Report “Mapping and Assessment of Former Industrial Sites, City of Ottawa”, 1988.
geoOttawa: City of Ottawa electronic mapping website.
City of Ottawa Historical Land Use Inventory (HLUI) Database

Local Information Sources
Personal Interviews.
Survey Plan prepared by Arnett, Kenndey, Riddell & Jason Surveying

Public Information Sources
Google Earth.
Google Maps/Street View.

Private Information Sources
ERIS Report, dated April 23, 2024

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE6526-1 – SITE PLAN

DRAWING PE6526-2 – SURROUNDING LAND USE PLAN

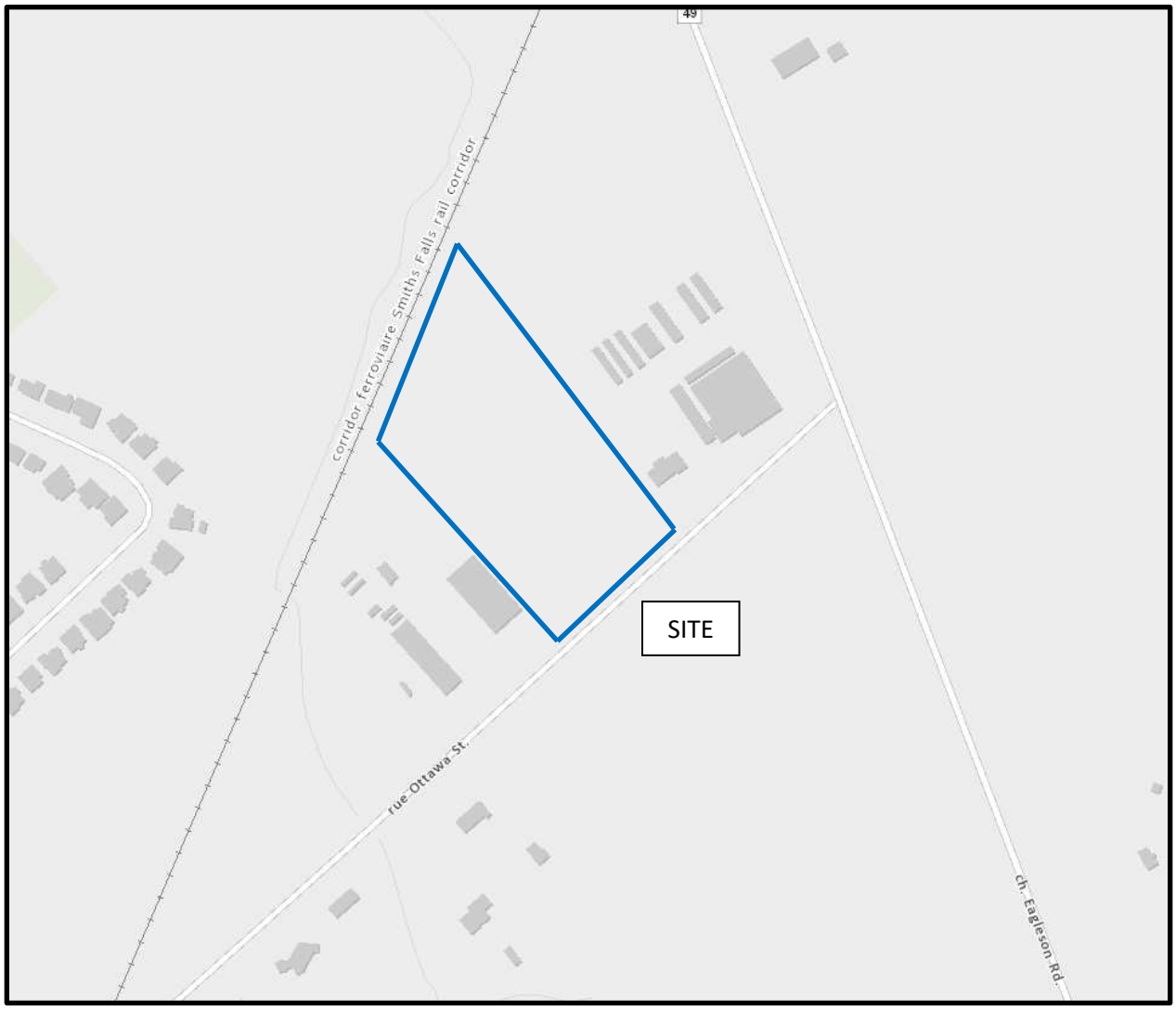


FIGURE 1

KEY PLAN

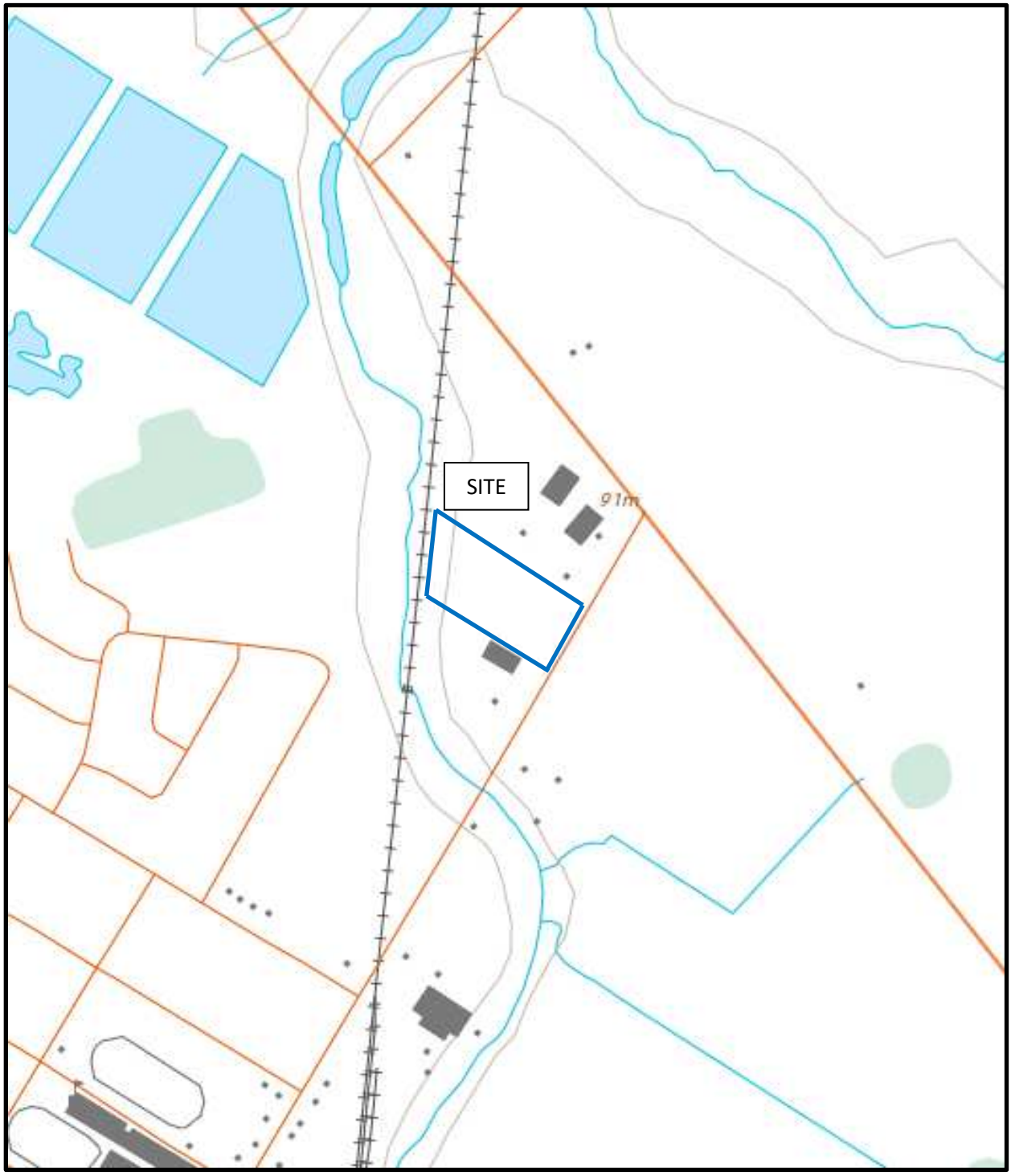


FIGURE 2

TOPOGRAPHIC MAP

15 MAC STOREY STREET
AGRICULTURAL LAND

50 CHANONHOUSE DRIVE
VACANT LAND

5901 OTTAWA STREET
AGRICULTURAL LAND

AGRICULTURAL LAND

EAGLESON ROAD

5901 OTTAWA STREET
RITCHIE FEED AND SEED
(COMMERCIAL)

3129 EAGLESON ROAD
AGRICULTURAL LAND

LINE

TREED AREA

5923 OTTAWA STREET

RAIL

44-64 CHANONHOUSE DRIVE
RESIDENTIAL

5935 OTTAWA STREET
QUATROSENSE
ENVIRONMENTAL
(COMMERCIAL)

GRASSED

APEC 1

STREET

5949 OTTAWA STREET
NAPA AUTOPRO & THE
CAR-O-PRACTOR
(COMMERCIAL)

OTTAWA

5970 OTTAWA STREET
AGRICULTURAL LAND

AGRICULTURAL LAND

5969 OTTAWA STREET
VACANT LAND

LEGEND:

PHASE I & II PROPERTY BOUNDARY

SCALE: 1:1500

0 25 50 75 100m

AREAS OR POTENTIAL ENVIRONMENTAL CONCERN :

ID #	DESCRIPTION
1	EQUIPMENT MANUFACTURING

PATERSON GROUP
9 AURIGA DRIVE
OTTAWA, ON
K2E 7T9
TEL: (613) 226-7381

NO.	REVISIONS	DATE	INITIAL

INVERNESS HOMES

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
5923 OTTAWA STREET

RICHMOND, ONTARIO

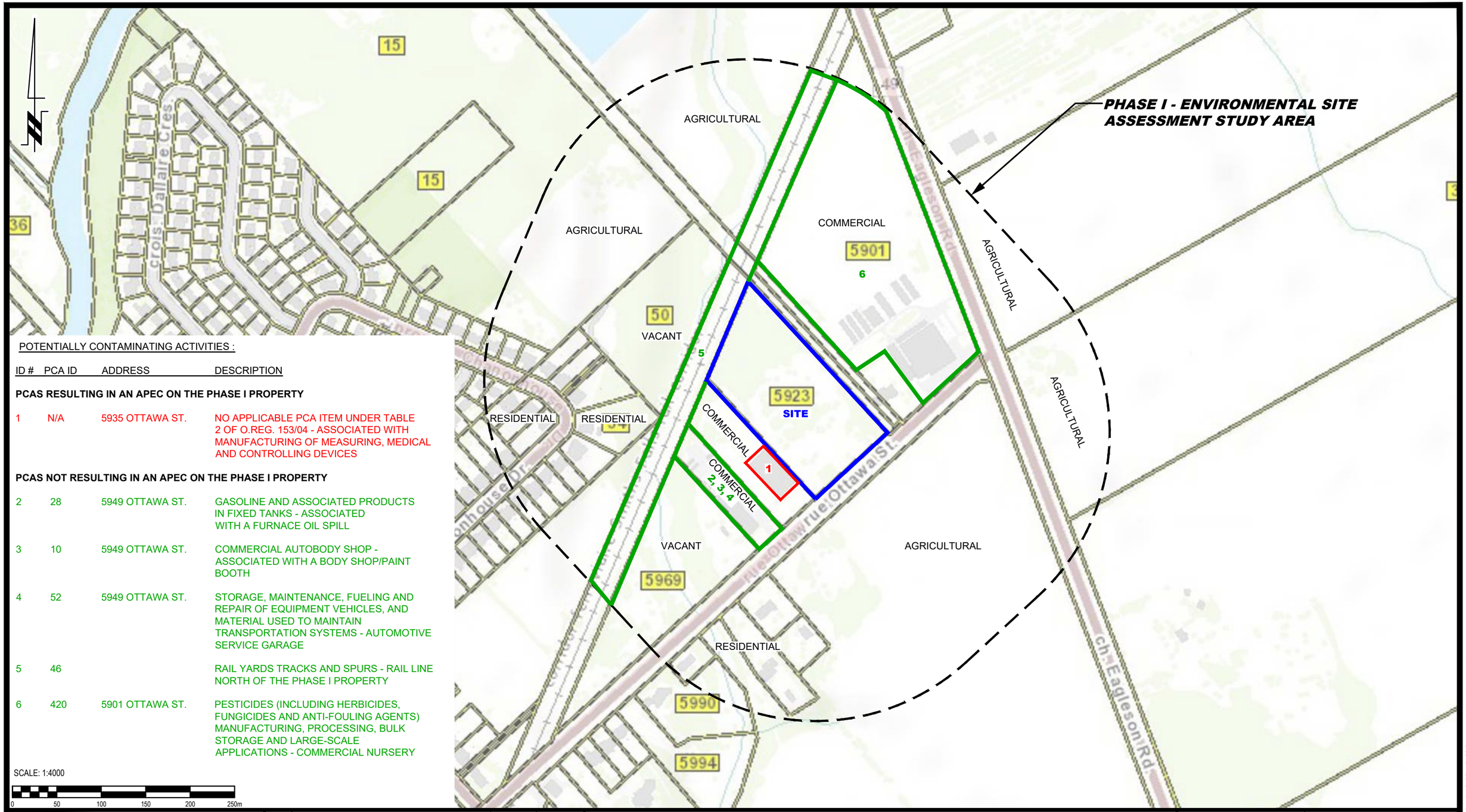
Title:

SITE PLAN

Scale: 1:1500	Date: 04/2024
Drawn by: CT	Report No.: PE6526-1
Checked by: MB	Dwg. No.: PE6526-1
Approved by: MB	Revision No.:

11x17

p:\autocad drawings\environmental\pe65xx\pe6526\pe6526-1-site plan.dwg



POTENTIALLY CONTAMINATING ACTIVITIES :

ID #	PCA ID	ADDRESS	DESCRIPTION
PCAS RESULTING IN AN APEC ON THE PHASE I PROPERTY			
1	N/A	5935 OTTAWA ST.	NO APPLICABLE PCA ITEM UNDER TABLE 2 OF O.REG. 153/04 - ASSOCIATED WITH MANUFACTURING OF MEASURING, MEDICAL AND CONTROLLING DEVICES
PCAS NOT RESULTING IN AN APEC ON THE PHASE I PROPERTY			
2	28	5949 OTTAWA ST.	GASOLINE AND ASSOCIATED PRODUCTS IN FIXED TANKS - ASSOCIATED WITH A FURNACE OIL SPILL
3	10	5949 OTTAWA ST.	COMMERCIAL AUTOBODY SHOP - ASSOCIATED WITH A BODY SHOP/PAINT BOOTH
4	52	5949 OTTAWA ST.	STORAGE, MAINTENANCE, FUELING AND REPAIR OF EQUIPMENT VEHICLES, AND MATERIAL USED TO MAINTAIN TRANSPORTATION SYSTEMS - AUTOMOTIVE SERVICE GARAGE
5	46		RAIL YARDS TRACKS AND SPURS - RAIL LINE NORTH OF THE PHASE I PROPERTY
6	420	5901 OTTAWA ST.	PESTICIDES (INCLUDING HERBICIDES, FUNGICIDES AND ANTI-FOULING AGENTS) MANUFACTURING, PROCESSING, BULK STORAGE AND LARGE-SCALE APPLICATIONS - COMMERCIAL NURSERY

SCALE: 1:4000

0 50 100 150 200 250m

PATERSON GROUP
9 AURIGA DRIVE
OTTAWA, ON
K2E 7T9
TEL: (613) 226-7381

NO.	REVISIONS	DATE	INITIAL

INVERNESS HOMES

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
5923 OTTAWA STREET

RICHMOND, ONTARIO

Title:

SURROUNDING LAND USE PLAN

Scale: 1:4000	Date: 07/2024
Drawn by: GK	Report No.: PE6526-REP.01
Checked by: MB	Dwg. No.: PE6526-2
Approved by: KM	Revision No.:

11x17

p:\autocad drawings\environmental\pe65xx\pe6526\pe6526-2 surrounding land use plan.dwg

APPENDIX 1

SURVEY PLAN

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS

SCHEDULE

PART	UNIT	PLAN	PARCEL	SECTION	AREA	REMARKS
1	10	D-26	10-1	D-26	2.21 ha	
2					5264 sq.m.	
3					8491 sq.m.	
4					2.27 ha	

PARTS 1,2,3 AND 4 ALL OF PARCEL 10-1 SECTION D-26

I REQUIRE THIS PLAN TO BE DEPOSITED UNDER THE LAND TITLES ACT.

October 12, 1989
DATE

John H. Kennedy
JOHN H. KENNEDY
ONTARIO LAND SURVEYOR

PLAN 4R-7050

RECEIVED AND DEPOSITED

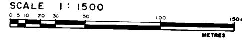
October 13th, 1989
DATE

LAND REGISTRAR FOR THE LAND TITLES DIVISION OF OTTAWA-CARLETON N°4.

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

PLAN OF SURVEY OF
UNIT 10
INDEX PLAN D-26
(VILLAGE OF RICHMOND)
NOW TOWNSHIP OF GOULBOURN
REGIONAL MUNICIPALITY OF OTTAWA - CARLETON
JOHN H. KENNEDY O.L.S.
1989

SCALE 1 : 1500



NOTES

BEARINGS SHOWN HEREON ARE ASTRONOMIC, DERIVED FROM THE BEARING N.47°26' E. ON THE NORTHERLY LIMIT OF OTTAWA STREET AS SHOWN ON PLAN 4R-6571.

LEGEND

PLAN	DENOTES	PLAN 4R-6571
(725)	DENOTES	ARNETT, KENNEDY, RIDDELL & JASON SURVEYING Ltd.
(SU)	DENOTES	SOURCE UNKNOWN
■	DENOTES	SURVEY MONUMENT FOUND
□	DENOTES	SURVEY MONUMENT PLANTED
SIB	DENOTES	STANDARD IRON BAR
SSIB	DENOTES	SHORT STANDARD IRON BAR
IB	DENOTES	IRON BAR
●	DENOTES	ROUND
CC	DENOTES	CUT CROSS
Wt	DENOTES	WITNESS
Acc	DENOTES	ACCEPTED
Meas	DENOTES	MEASURED
INST	DENOTES	INSTRUMENT
x—x	DENOTES	FENCE

SURVEYOR'S CERTIFICATE

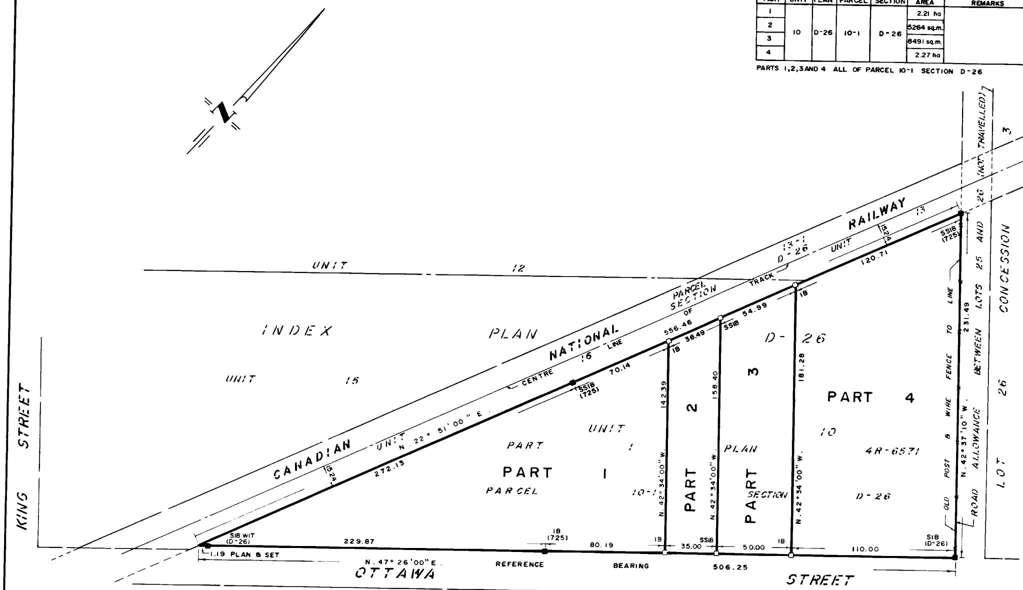
I CERTIFY THAT

1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT AND THE LAND TITLES ACT AND THE REGULATIONS MADE THEREUNDER
2. THE SURVEY WAS COMPLETED ON THE 23rd DAY OF MAY 1989.

May 26, 1989
DATE

John H. Kennedy
JOHN H. KENNEDY
ONTARIO LAND SURVEYOR

CAUTION THIS PLAN IS NOT A PLAN OF SUBDIVISION WITHIN THE MEANING OF THE PLANNING ACT



Arnett, Kennedy, Riddell & Jason Surveying Ltd
ONTARIO & CANADA LAND SURVEYORS
OTTAWA KEMPTVILLE BROCKVILLE
Ref. 532-88-1
G.C.

24x

AERIAL PHOTOGRAPH
1950

PATERSON GROUP

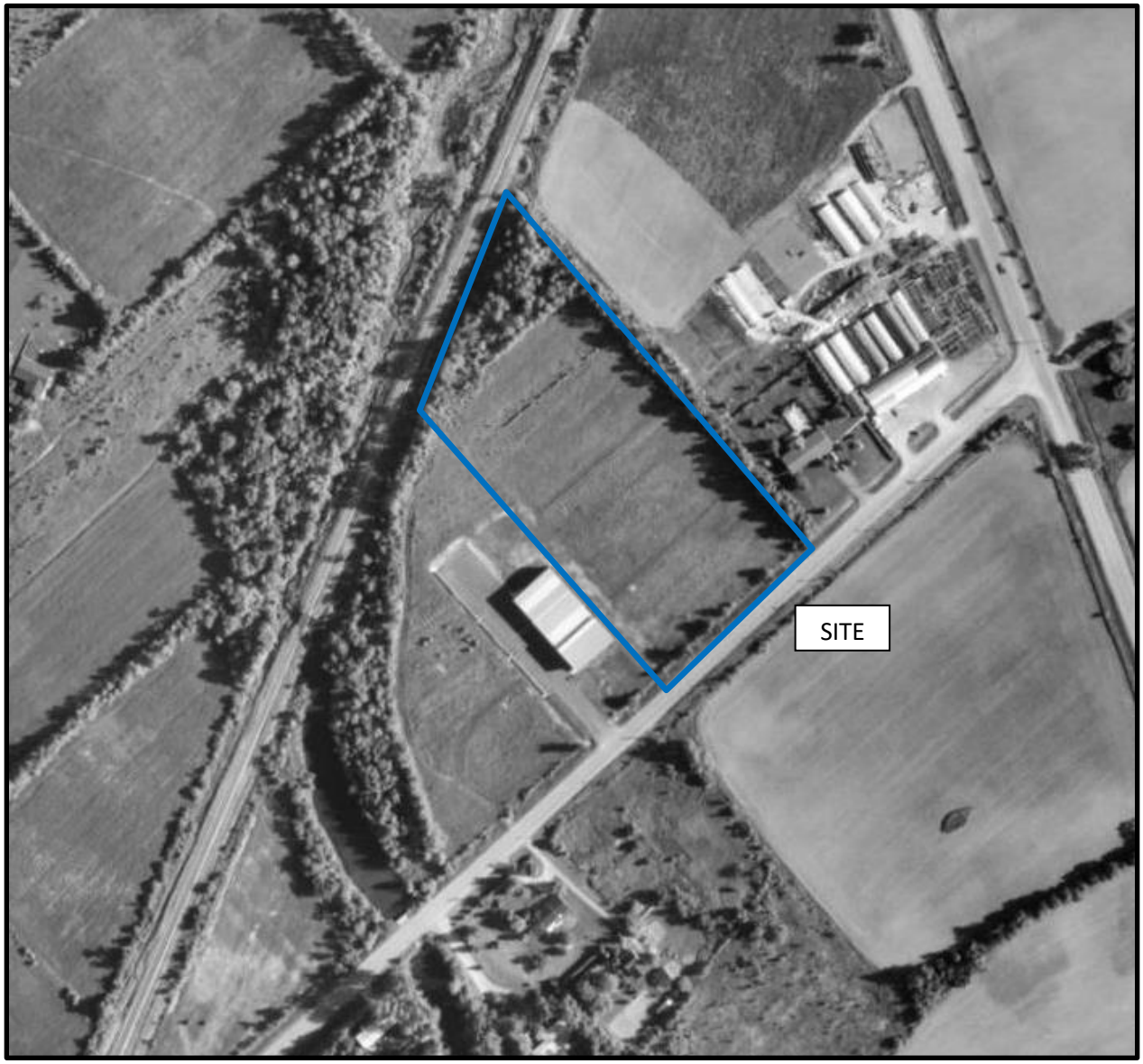
AERIAL PHOTOGRAPH
1959

PATERSON GROUP

AERIAL PHOTOGRAPH
1976

AERIAL PHOTOGRAPH
1985

PATERSON GROUP



AERIAL PHOTOGRAPH
1991

PATERSON GROUP

AERIAL PHOTOGRAPH
2002

PATERSON GROUP

AERIAL PHOTOGRAPH
2011

PATERSON GROUP

AERIAL PHOTOGRAPH
2022

PATERSON GROUP

Site Photographs

PE6526 5923 Ottawa Street, Richmond ON April 22, 2024

Photograph 1: View looking north, along the center of the Phase I Property, from Ottawa Street.

Photograph 2: View looking south at Ottawa Street from the Phase I Property.

Site Photographs

PE6526 5923 Ottawa Street, Richmond ON April 22, 2024

Photograph 3: View looking north, along the west side of the Phase I Property, from Ottawa Street.

Photograph 4: View looking east, along the south side of the Phase I Property from Ottawa Street.

Photograph 5: View looking north from Ottawa Street, towards the Phase I Property from Ottawa Street.

Photograph 6: View looking west from Ottawa Street toward the 5935 Ottawa Street – PCA 1.

APPENDIX 2

TSSA CORRESPONDANCE

MECP WELL RECORDS

MECP FREEDOM OF INFORMATION

CITY OF OTTAWA HLUI

ERIS REPORT

Mark Bujaki

From: Public Information Services <publicinformationservices@tssa.org>
Sent: April 19, 2024 2:57 PM
To: Mark Bujaki
Subject: RE: Records Search Request (PE6526)

Hello ,

NO RECORDS FOUND IN CURRENT DATABASE:

- We confirm that there are NO **fuels records** in our database at the subject address(es).

This is not a confirmation that there are no records in the archives. For a further search in our archives, please apply for release of public information (PI Form) through TSSA's new Service Prepayment Portal. The associated fee must be paid via credit card (Visa or MasterCard) through a secure site.
Please follow the steps below to access the applications and the Service Prepayment Portal:

Accessing the applications

1. Click Request a Public Record
2. Select the appropriate application, download it, complete it in full and save it (you will have to upload application)
3. Proceed to page 3 of the application and click the "TSSA Service Prepayment Portal" link under payment options (the link will take you the secure site where you can pay for the request via credit card)

Accessing the Service Prepayment Portal

1. Select new or existing customer (*if you are an existing customer, you will need your account number &
   postal code to access your account)
2. Under "Program Area" select **Public Information** and click continue
3. Enter application form number (found on the bottom left corner of the application form - **PI-095-v2**) and click continue
4. Complete the primary contact information section
5. Complete the fee section
6. Upload your completed application
7. Upload supporting documents (if required) and click continue

Once all steps have been successfully completed you will receive your payment receipt via email.

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

If you have any questions or concerns, please do not hesitate to contact our Public Information Release team at publicinformationservices@tssa.org.

Kind regards,

Slavka Zahrebelny | Public Information & Records Agent
Public Information
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1 416-734-3585 | Fax: +1 416-734-6242 | E-Mail: szahrebelny@tssa.org
www.tssa.org

Winner of 2024 5-Star Safety Cultures Award

From: Mark Bujaki <mbujaki@Patersongroup.ca>
Sent: Friday, April 19, 2024 2:36 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Records Search Request (PE6526)

Good Afternoon,

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

Ottawa Street: 5923, 5935, 5949, 5901, 5970, 5958
Chanonhouse Drive: 50
Eagleson Road: 3760

Thank you very much,

MARK BUJAKI
Junior Environmental Scientist
Environmental Division
TEL: (613) 226-7381 ext. 335
DIRECT: (613) 696-9651
9 AURIGA DRIVE
OTTAWA ON K2E 7T9
patersongroup.ca

Mark Bujaki

From: Public Information Services <publicinformationservices@tssa.org>
Sent: July 10, 2024 12:06 PM
To: Mark Bujaki
Subject: RE: PE6526 - Records Search Request

Hello ,

NO RECORDS FOUND IN CURRENT DATABASE:

- We confirm that there are NO **fuels records** in our database at the subject address(es).

This is not a confirmation that there are no records in the archives. For a further search in our archives, please go to the **TSSA Client Portal** to complete an Application for Release of Public Information.

Please refer to How to Submit a Public Information Request (tssa.org) for instructions.

The associated fee must be paid via credit card (Visa or MasterCard).

Once all steps have been successfully completed you will receive your payment receipt via email.

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

If you have any questions or concerns, please do not hesitate to contact our Public Information Release team at publicinformationservices@tssa.org.

Kind regards,

Melanie Fowler | Public Information Releases Agent
Legal
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1 416-734-3593 | Fax: +1 416-231-4903 | E-Mail: mfowler@tssa.org
www.tssa.org

Winner of 2023 5-Star Safety Cultures Award

From: Mark Bujaki <mbujaki@Patersongroup.ca>
Sent: Wednesday, July 10, 2024 11:22 AM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: PE6526 - Records Search Request

Good Afternoon,

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

5954 Ottawa Street
5966 Ottawa Street
5978 Ottawa Street
5990 Ottawa Street
5994 Ottawa Street
5969 Ottawa Street

3129 Eagleson Road
3187 Eagleson Road

52 Chanonhouse Drive

15 Mac Storey Street

Thank you very much,

PATERSON GROUP
SOLUTION ORIENTED ENGINEERING

MARK BUJAKI
Junior Environmental Scientist
Environmental Division
TEL: (613) 226-7381 ext. 335
DIRECT: (613) 696-9651
9 AURIGA DRIVE
OTTAWA ON K2E 7T9
patersongroup.ca

Ontario — Ministry of the Environment, Conservation and Parks

Measurements recorded in: ☐ Metric ☒ Imperial

We Tag#:A320977 (int Below)

A320977

Well Record

Regulation 903 Ontario Water Resources Act

Page of

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
5969 Ottawa Street	Goulbourn	Pt Unit 10 Pl 4D-26	

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 8 3	18	435625	5004457	4R-7050 Part 1 PCL 10-3	

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
	Sand	& Clay	& Gravel	0'	21'
Grey	Limestone			21'	48'
Grey	Limestone			48'	154'
Grey	Limestone			154'	160'

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
27'	17'	Neat cement	7.8
17'	0'	Bentonite slurry	8.4

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
6 1/4"	Steel	.188"	+2'	27'
6"	Open Hole		27'	160'

Construction Record - Screen

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

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
48	☐	☐ Fresh ☒ Untested	X
154	☐	☐ Fresh ☒ Untested	X
	☐	☐ Fresh ☐ Untested	

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0'	27'	9 3/4"
27'	160'	6"

Results of Well Yield Testing

After test of well yield, water was: ☐ Clear and sand free ☐ Other, specify Not tested

If pumping discontinued, give reason: X

Pump intake set at (m/ft): 150

Pumping rate (l/min / GPM): 20

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping (m/ft): 57.7"

If flowing give rate (l/min/GPM): X

Recommended pump depth (m/ft): 100'

Recommended pump rate (l/min/GPM): 15

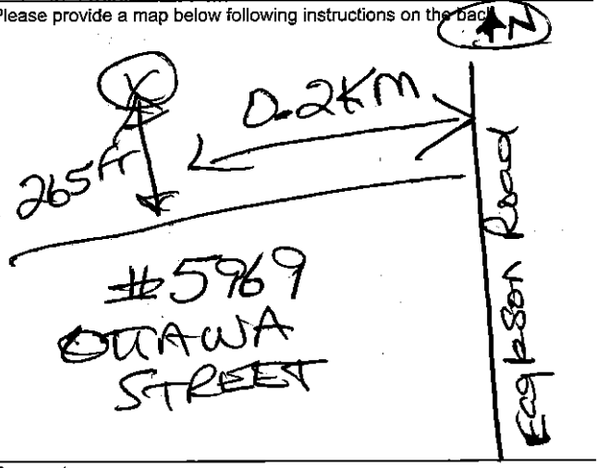
Well production (l/min/GPM): 30

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	9.1"		57.7"
1	18.2	1	41.5
2	24.3	2	29.9
3	28.6	3	20.7
4	31.7	4	13.5
5	34.2	5	9.1
10	44.1	10	9.1
15	48.5	15	9.1
20	51.7	20	9.1
25	54.9	25	9.1
30	56.3	30	9.1
40	57.2	40	9.1
50	57.5	50	9.1
60	57.7"	60	9.1"

Map of Well Location

Please provide a map below following instructions on the back.



Comments: 3/4HP-15GPM Set@100Ft

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Air Rock Drilling Co. Ltd.	7681

Business Address (Street Number/Name)	Municipality
6059 Franktown Road	Richmond

Province	Postal Code	Business E-mail Address
ON	K0A 2Z0	air-rock@sympatico.ca

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
6138382170	Hogan, Dan

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted (Y Y Y Y M M D D)
T3058		2021 06 30

Well owner's information package delivered	Date Package Delivered (Y Y Y Y M M D D)	Date Work Completed (Y Y Y Y M M D D)
☒ Yes ☐ No	2021 06 10	2021 06 08

Ministry Use Only

Audit No. Z355197

Received JUL 28 2021

Ontario **Ministry of the Environment**

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 (1-2) **1531908** Municipality 15003 (10-14) Con. CON (15-22) 03 (23-24)

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot (25-27)
Ottawa Carleton	Goulbourn	3	25

Address: 5901 Ottawa, Street, Richmond ON. K0A 3G0

Date completed (48-53): 17 day 05 month 01 year

21 (1-2) UTM (10) Northing (12-17) RC (18) Elevation (19-24) RC (25) Basin Code (26) ii (30) iii (31) iv (32-47)

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
Brown	Clay			0	12
Grey	Clay			12	35
Grey	Sand & Gravel			35	41
Grey	Limestone			41	160
Grey & white	sandstone			160	210

31 (10-14) 32 (15-21) (32-43) (54-65) (75-80)

41 WATER RECORD

Water found at - feet	Kind of water
210 (10-13)	1 ☒ Fresh 3 ☐ Sulphur 14 NOT TESTED 2 ☐ Salty 4 ☐ Minerals 6 ☐ Gas
(15-18)	1 ☐ Fresh 3 ☐ Sulphur 19 2 ☐ Salty 4 ☐ Minerals 6 ☐ Gas
(20-23)	1 ☐ Fresh 3 ☐ Sulphur 24 2 ☐ Salty 4 ☐ Minerals 6 ☐ Gas
(25-28)	1 ☐ Fresh 3 ☐ Sulphur 29 2 ☐ Salty 4 ☐ Minerals 6 ☐ Gas
(30-33)	1 ☐ Fresh 3 ☐ Sulphur 34 2 ☐ Salty 4 ☐ Minerals 6 ☐ Gas

60

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6 1/4 (11-12)	1 ☒ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.188	0	44 (13-16)
5 7/8 (17-18)	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☒ Open hole 5 ☐ Plastic (19)		44	210 (20-23)
(24-25)	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic (26)			(27-30)

SCREEN

Sizes of opening (Slot No.) (31-33)	Diameter (34-38) inches	Length (39-40) feet
Material and type	Depth at top of screen (41-44) feet	(30)

61 PLUGGING & SEALING RECORD

☒ Annular space ☐ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
44 (12-13)	0 (14-17)	Grouted-Cement (4)
(18-21)	(22-25)	Bentonite
(26-29)	(30-33) (80)	

71 PUMPING TEST

Pumping test method (10): 1 ☒ Pump 2 ☐ Bailer

Pumping rate (11-14): 50 GPM

Duration of pumping (15-18): 1 Hours ..... (17-18) Mins

Static level	Water level end of pumping	Water levels during (25): 1 ☒ Pumping 2 ☐ Recovery			
(19-21)	(22-24)	15 minutes (26-28)	30 minutes (29-31)	45 minutes (32-34)	60 minutes (35-37)
7'1" feet	50 feet	200 feet	200 feet	50 feet	50 feet

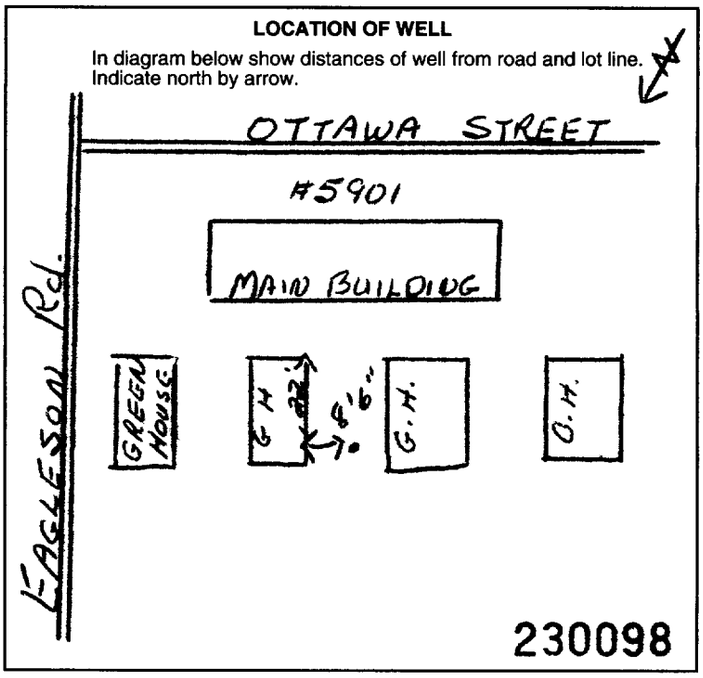
If flowing give rate (38-41)	Pump intake set at	Water at end of test (42)
GPM	feet	☐ Clear ☒ Cloudy

Recommended pump type	Recommended pump setting (43-45)	Recommended pump rate (46-49)
☐ Shallow ☒ Deep	60 feet	5 GPM

(50-53)

LOCATION OF WELL

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



230098

FINAL STATUS OF WELL (54)

1 ☒ Water supply 2 ☐ Observation well 3 ☐ Test hole 4 ☐ Recharge well 5 ☐ Abandoned, insufficient supply 6 ☐ Abandoned, poor quality 7 ☐ Abandoned (Other) 8 ☐ Dewatering 9 ☐ Unfinished 10 ☐ Replacement well

WATER USE (55-56)

1 ☒ Domestic 2 ☐ Stock 3 ☐ Irrigation 4 ☐ Industrial 5 ☐ Commercial 6 ☐ Municipal 7 ☐ Public supply 8 ☐ Cooling & air conditioning 9 ☐ Not use 10 ☐ Other .....

METHOD OF CONSTRUCTION (57)

1 ☐ Cable tool 2 ☐ Rotary (conventional) 3 ☐ Rotary (reverse) 4 ☒ Rotary (air) 5 ☒ Air percussion 6 ☐ Boring 7 ☐ Diamond 8 ☐ Jetting 9 ☐ Driving 10 ☐ Digging 11 ☐ Other .....

Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558
Address	
Box 590, Stittsville, ON. K2S 1A6	
Name of Well Technician	**Well Technician's Licence No.**
S. Miller	T0097
Signature of Technician/Contractor	**Submission date**
R Kawana	day 22 mo 05 yr 01

MINISTRY USE ONLY

Data source (58)	Contractor (59-62)	Date received (63-68) (80)
	1558	JUN 15 2001
Date of inspection	Inspector	
Remarks		CSS.ES1

2 - MINISTRY OF THE ENVIRONMENT COPY

Ontario — Ministry of the Environment

Measurements recorded in: [X] Metric [ ] Imperial

Well Tag No. (Place Sticker and/or Print Below): A082857 **A 082857**

Well Record

on 903 Ontario Water Resources Act

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	[ ] Well Constructed by Well Owner
	Talos Custom Homes		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
5509 Canotek Road	Ottawa	Ontario	K1J 9J8	613 747 3993

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Lot 34 Richmond Forest	Goulbourn	25	3

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	435406	5004642		

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	Sandy Clay		Loose	0	2.43
Brown	Clay	Stones		2.43	6.40
Gray	Limestone		Medium	6.40	45.10

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
9.44	0	Grouted Bentonite Slurry	1.15m^3

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[X] Rotary (Reverse) Air [ ] Driving
[ ] Boring [ ] Digging
[X] Air percussion
[ ] Other, specify _____

Well Use

[ ] Public [ ] Commercial [ ] Not used
[X] 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
15.86	Steel	.48	+.45	9.44

Construction Record - Screen

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

Status of Well

[X] 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	Kind of Water	
43.58 (m/ft) [ ] Gas	[ ] Fresh [X] Untested	[ ] Other, specify
(m/ft) [ ] Gas	[ ] Fresh [ ] Untested	[ ] Other, specify
(m/ft) [ ] Gas	[ ] Fresh [ ] Untested	[ ] Other, specify

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	9.44	15.86
9.44	45.10	15.23

Results of Well Yield Testing

After test of well yield, water was:
[X] Clear and sand free
[ ] Other, specify _____

If pumping discontinued, give reason:

Pump intake set at (m/ft): 30.47

Pumping rate (l/min / GPM): 54.6

Duration of pumping: 1 hrs + _____ min

Final water level end of pumping (m/ft): 4.60

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

Recommended pump depth (m/ft): 22.85

Recommended pump rate (l/min / GPM): 45.5

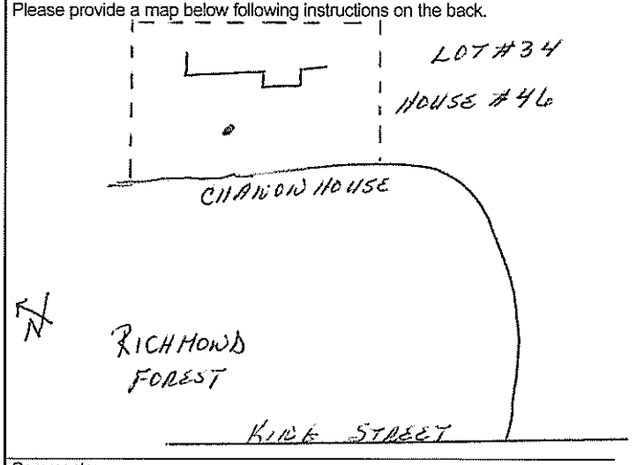
Well production (l/min / GPM):

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	4.05		
1	4.47	1	4.15
2	4.51	2	4.13
3	4.52	3	4.12
4	4.54	4	4.11
5	4.55	5	4.10
10	4.58	10	4.09
15	4.60	15	4.07
20	4.60	20	
25	4.59	25	
30	4.59	30	
40	4.60	40	
50	4.60	50	
60	4.60	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.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
613 836 1766	Miller, Stephen

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0097		2009 11 30

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[X] Yes [ ] No	2009 11 26	2009 11 25

Ministry Use Only

Audit No. Z 101774

Received FEB 16 2010

Ontario — Ministry of the Environment

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: [X] Metric [ ] Imperial

Well Tag No. *(Place Sticker and/or Print Below)*: A068310 **A 068310**

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	
Talos Custom Homes			[ ] Well Constructed by Well Owner

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
5509 Canotek Road - Unit 1	Ottawa	Ontario	K1J 9J8	613 747 3993

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Lot 14 Richmond Forest	Goulbourn	25	3

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	435404	5004631		

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	Sandy Soil	Stones	Packed	0	5.48
Gray	Limestone			5.48	45.10

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
7.77	0	Grouted Bentonite Slurry	.69m^3

Method of Construction

[ ] Cable Tool [ ] Diamond
[X] Rotary (Conventional) [ ] Jetting — Air
[ ] Rotary (Reverse) [ ] Driving
[ ] Boring [ ] Digging
[ ] Air percussion
[ ] Other, *specify*

Well Use

[ ] Public [ ] Commercial [ ] Not used
[X] 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
15.86	Steel	.48	+.45	7.77

Construction Record - Screen

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

Status of Well

[X] 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	Kind of Water	
42.36 (m/ft) [ ] Gas	[ ] Fresh [X] Untested	[ ] Other, *specify*
(m/ft) [ ] Gas	[ ] Fresh [ ] Untested	[ ] Other, *specify*
(m/ft) [ ] Gas	[ ] Fresh [ ] Untested	[ ] Other, *specify*

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	7.77	15.86
7.77	45.10	15.23

Results of Well Yield Testing

After test of well yield, water was:
[X] Clear and sand free
[ ] Other, *specify*

If pumping discontinued, give reason:

Pump intake set at (m/ft): 30.47

Pumping rate (l/min / GPM): 54.6

Duration of pumping: 1 hrs + ____ min

Final water level end of pumping (m/ft): 11.64

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

Recommended pump depth (m/ft): 22.85

Recommended pump rate (l/min / GPM): 45.5

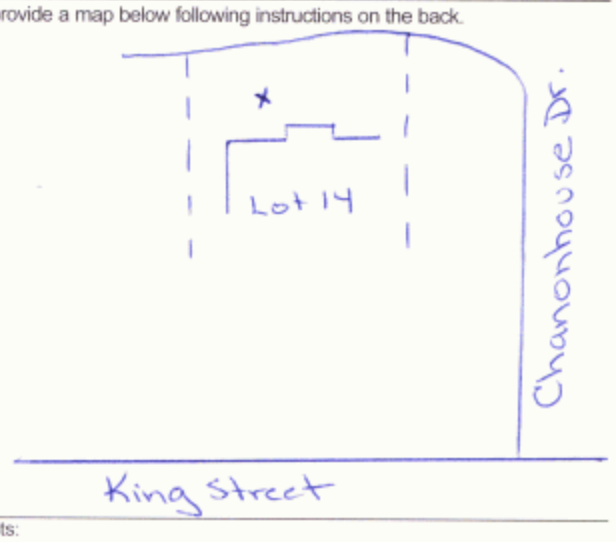
Well production (l/min / GPM):

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	3.63		
1	5.18	1	8.37
2	6.13	2	5,67
3	6.82	3	5.03
4	7.40	4	4.30
5	8.60	5	3.45
10	9.40	10	3.65
15	10.17	15	
20	10.79	20	
25	11.05	25	
30	11.18	30	
40	11.47	40	
50	11.57	50	
60	11.64	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.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
6138361766	Miller, Stephen

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0097		2008110

Well owner's information package delivered: [X] Yes [ ] No

Date Package Delivered: 20081107

Date Work Completed: 20081106

Ministry Use Only

Audit No. Z 84444

DEC 02 2008

Received

0506E (12/2007)

Ministry's Copy

Ontario Ministry of the Environment

Well Tag No. *(Place Sticker and/or Print Below)* A051482 A 051482

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

Well Owner's Information

First Name	Last Name	E-mail Address	☐ Well Constructed by Well Owner
Talos Custom Homes			

Mailing Address (Street Number/Name, RR)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
5509 Canotek Rd. Unit 1	Ottawa	Ontario	K1J 9S8	6137739933

Part A Construction and/or Major Alteration of a Well

Address of Well Location (Street Number/Name, RR)	Township	Lot	Concession
Lot 33 Richmond Forest	Goulbourn	25	3

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

UTM Coordinates	Zone	Easting	Northing	GPS Unit Make	Model	Mode of Operation
NAD 83	18	435430	5004623		Garmin	☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify

Overburden and Bedrock Materials *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From	To
Brown	Clay	Stone	Packed	0	6.09
Gray	Limestone		Broken	6.09	8.22
Gray	Limestone		Medium	8.22	29.86

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	To	Type of Sealant Used (Material and Type)	Volume Placed (Cubic Metres)
9.14	0	Grouted Bentonite Slurry	2.52m3

Method of Construction

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

Water Use

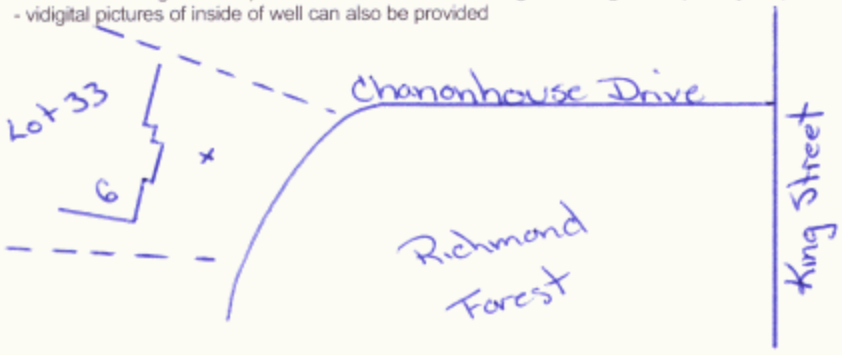
☐ Public ☐ Commercial ☐ Not used ☒ Domestic ☐ Municipal ☐ Dewatering ☐ Livestock ☐ Test Hole ☐ Monitoring ☐ Irrigation ☐ Cooling & Air Conditioning ☐ Industrial ☐ Other, specify _____

Status of Well

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

Location of Well

Please provide a map below showing:
- all property boundaries, and measurements sufficient to locate the well in relation to fixed points,
- an arrow indicating the North direction
- detailed drawings can be provided as attachments no larger than legal size (8.5" by 14")
- vidigital pictures of inside of well can also be provided



Date Well Completed (yyyy/mm/dd)	Was the well owner's information package delivered?	Date the Well Record and Package Delivered to Well Owner (yyyy/mm/dd)
2008/7/22	☒ Yes ☐ No	2008/7/23

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street No./Name, number, RR)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K2S1A6	office@capitalwater.ca

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
6138361766	Miller, Stephen

Well Technician's Licence No.	Signature of Technician	Date Submitted (yyyy/mm/dd)
0097		2008/7/30

Results of Well Yield Testing

Check box if after test of well yield, water was:
☒ Clear and sand free ☐ Cannot develop to sand-free state

If pumping discontinued, give reason:

Pumping test method: Submersible

Pump intake set at *(Metres)*: 18.28

Pumping rate *(Litres/min)*: 54.6

Duration of pumping: 1 hrs + _____ min

Final water level end of pumping *(Metres)*: 6.09

Recommended pump type: ☐ Shallow ☒ Deep

Recommended pump depth: 15.23 Metres

Recommended pump rate *(Litres/min)*: 45.5

If flowing give rate *(Litres/min)*:

Draw Down Time (Min)	Draw Down Water Level (Metres)	Recovery Time (Min)	Recovery Water Level (Metres)
Static Level	3.87	Static Level	
1	5.13	1	4.42
2	5.54	2	4.15
3	5.71	3	4.09
4	5.81	4	4.05
5	5.86	5	4.02
10	5.96	10	3.96
15	6.01	15	3.94
20	6.03	20	3.93
25	6.05	25	3.92
30	6.07	30	3.91
40	6.08	40	3.90
50	6.09	50	3.90
60	6.09	60	3.89

Water Details

Water found at Depth	Kind of Water	Water found at Depth	Kind of Water	Water found at Depth	Kind of Water
27.73 Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals Not Tested	Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals	Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals

Casing Used

☐ Galvanized ☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete

Screen Used

☐ Galvanized ☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete

No Casing and Screen Used

☐ Open Hole

Disinfected? ☒ Yes ☐ No

Casing and Well Details

Diameter of the Hole *(Centimetres)*: 15.39

Depth of the Hole *(Metres)*: 29.86

Wall Thickness *(Metres)*: 0.48

Inside Diameter of the Casing *(Metres)*: 15.86

Depth of the Casing *(Metres)*: +.45 to 9.14

Ministry Use Only

Audit No.	Well Contractor No.
z77400	
Date Received (yyyy/mm/dd) OCT 14 2008	**Date of Inspection** (yyyy/mm/dd)
Remarks	

0506E (11/2006)

Ministry's Copy

Ontario — Ministry of the Environment

Well Tag Number (Place sticker and print number below): A013675 / A013675

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

MUN | CON | LOT

Well Owner's Information and Location of Well Information

First Name	Last Name	Mailing Address (Street Number/Name, RR,Lot,Concession)
Hank DeKemp & Vanson	Construction	2069 Woodroffe Ave

County/District/Municipality	Township/City/Town/Village	Province	Postal Code	Telephone Number (include area code)
Ottawa Carleton	Ottawa	Ontario	K2C 3H1	613 226 6729

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
Ottawa Carleton	Goulbourn	24/25	3

RR#/Street Number/Name	City/Town/Village	Site/Compartment/Block/Tract etc.
Test Well 3, King Street	Richmond	

GPS Reading	NAD	Zone	Easting	Northing	Unit Make/Model	Mode of Operation
	83	18	435457	5004602	Garmin	☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (Metres)
brown	clay			0	2.43
brown	hardpan	layered	hard & layered	2.43	4.26
grey	limestone	layered	hard	4.26	18.59
grey	limestone			18.59	22.25

Hole Diameter

Depth From	Depth To (Metres)	Diameter (Centimetres)
0	6.40	22.75
6.40	22.24	15.39

Water Record

Water found at ___ Metres	Kind of Water
8.53 m	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
12.49 m	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
16.15-18.59 m	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
NOT TESTED	

After test of well yield, water was: ☒ Clear and sediment free ☐ Other, specify

Chlorinated ☒ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
Casing				
15.86	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	0.48	+.45	6.40
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
No Casing or Screen				
	☒ Open hole		6.40	22.24

Test of Well Yield

Pumping test method	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Pump intake set at - (metres)	Static Level			
Pumping rate - (litres/min)	1		1	
Duration of pumping ____hrs +____ min	2		2	
Final water level end of pumping ____metres	3		3	
Recommended pump type. ☐ Shallow ☐ Deep	4		4	
Recommended pump depth. ____metres	5		5	
Recommended pump rate. (litres/min)	10		10	
	15		15	
If flowing give rate - (litres/min)	20		20	
	25		25	
If pumping discontinued, give reason.	30		30	
	40		40	
	50		50	
	60		60	

Plugging and Sealing Record

☒ Annular space ☐ Abandonment

Depth set at - Metres From	Depth set at - Metres To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
6.40	0	grouted: bentonite slurry	.198m3

Method of Construction

☐ Cable Tool ☒ Rotary (air) ☐ Diamond ☐ Digging
☐ Rotary (conventional) ☒ Air percussion ☐ Jetting ☐ Other
☐ Rotary (reverse) ☐ Boring ☐ Driving

Water Use

☒ Domestic ☐ Industrial ☐ Public Supply ☐ Other
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☐ Municipal ☐ Cooling & air conditioning

Final Status of Well

☒ Water Supply ☐ Recharge well ☐ Unfinished ☐ Abandoned, (Other)
☐ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering
☐ Test Hole ☐ Abandoned, poor quality ☐ Replacement well

Well Contractor/Technician Information

Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

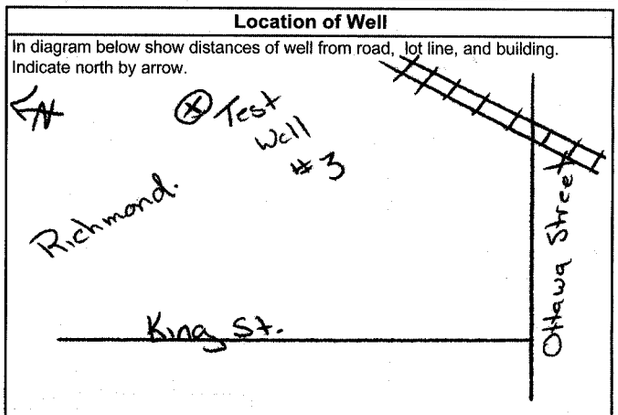
Business Address (street name, number, city etc.): Box 490 Stittsville, Ontario K2S 1A6

Name of Well Technician (last name, first name)	Well Technician's Licence No.
Miller, Stephen	T0097

Signature of Technician/Contractor: X [signature] — Date Submitted: YYYY 2005 MM 3 DD 22

Location of Well

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



Audit No. Z 13768

Date Well Completed: YYYY 2005 MM 3 DD 16

Was the well owner's information package delivered? ☐ Yes ☐ No

Date Delivered: YYYY 2005 MM 3 DD 22

Ministry Use Only

Data Source	Contractor
	1558
Date Received: YYYY MAY 18 2005 MM DD	Date of Inspection: YYYY MM DD
Remarks	Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐ *Cette formule est disponible en français*

Ontario — Ministry of the Environment

Well Tag No. *(Place Sticker and/or Print Below)* A068288 **A 068288**

Well Record

...lation 903 Ontario Water Resources Act

Measurements recorded in: [X] Metric [ ] Imperial

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	[ ] Well Constructed by Well Owner
	Talos Custom Homes		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
5509 Canotek Rd. Unit 1	Ottawa	Ontario	K1J 9J8	613 747 3993

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Lot 31, Richmond Forest	Goulbourn	25	3

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	435452	5004599		

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	Sandy Soil	Stones		0	4.26
Gray	Hardpan	Boulders	Packed	4.26	7.01
Gray	Limestone		Medium	7.01	45.10

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
8.83	0	Grouted Bentonite Slurry	.84m^3

Method of Construction

[ ] Cable Tool
[ ] Rotary (Conventional)
[X] Rotary (Reverse) Air
[ ] Boring
[X] Air percussion
[ ] Other, specify
[ ] Diamond
[ ] Jetting
[ ] Driving
[ ] Digging

Well Use

[ ] Public
[X] 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
15.86	Steel	.48	+.45	8.83

Construction Record - Screen

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

Status of Well

[X] 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	Kind of Water	Hole Diameter Depth (m/ft) From	To	Diameter (cm/in)
43.27 (m/ft) [ ] Gas	[ ] Fresh [X] Untested [ ] Other, specify	0	8.83	15.86
(m/ft) [ ] Gas	[ ] Fresh [ ] Untested [ ] Other, specify	8.83	45.10	15.23
(m/ft) [ ] Gas	[ ] Fresh [ ] Untested [ ] Other, specify			

Results of Well Yield Testing

After test of well yield, water was:
[X] Clear and sand free
[ ] Other, specify

If pumping discontinued, give reason:

Pump intake set at (m/ft): 30.47

Pumping rate (l/min / GPM): 54.6

Duration of pumping: 1 hrs + ____ min

Final water level end of pumping (m/ft): 7.78

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

Recommended pump depth (m/ft): 22.85

Recommended pump rate (l/min / GPM): 45.5

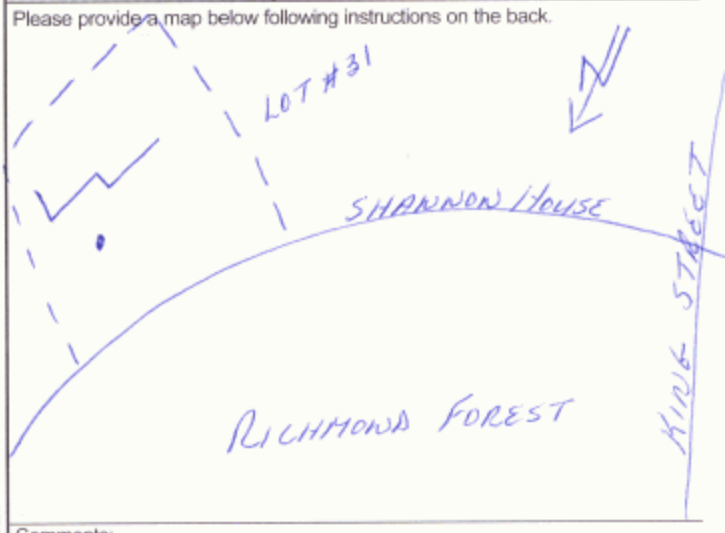
Well production (l/min / GPM):

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	3.95		
1	5.30	1	5.62
2	5.84	2	4.50
3	6.24	3	4.04
4	6.53	4	3.93
5	6.77	5	
10	7.17	10	
15	7.37	15	
20	7.49	20	
25	7.58	25	
30	7.64	30	
40	7.68	40	
50	7.73	50	
60	7.78	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.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K2S1A6	office@capitalwater.ca

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
6138361766	Miller, Stephen

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0097		2009030 6

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[X] Yes [ ] No	2009030 6	2009030 5

Ministry Use Only

Audit No. Z 095338

Received APR 0 6 2009

0506E (12/2007)

Ministry's Copy

Ontario — Ministry of the Environment

Measurements recorded in: [X] Metric [ ] Imperial

Well Tag No. (Place Sticker and/or Print Below): A082914 A 082914

Well Record

...tion 903 Ontario Water Resources Act

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	[ ] Well Constructed by Well Owner
	Talos Custom Homes		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
5509 Canotek Road, Unit 1	Ottawa	Ontario	K1J 9J8	613 747 3993

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Lot 15 – Richmond Forest	Goulbourn	25	3

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	435389	5004607		

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	Clay	Stones		0	4.26
Gray	Limestone		Layered	4.26	6.09
Gray	Limestone		Medium	6.09	45.10

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
7.31	0	Grouted Bentonite Slurry	.63m^3

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[X] Rotary (Reverse) Air [ ] Driving
[ ] Boring [ ] Digging
[X] Air percussion
[ ] Other, specify ____

Well Use

[ ] Public [ ] Commercial [ ] Not used
[X] 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
15.86	Steel	.48	+.45	7.31

Construction Record - Screen

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

Status of Well

[X] 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	Kind of Water	
43.58 (m/ft) [ ] Gas	[ ] Fresh [X] Untested	[ ] Other, specify
(m/ft) [ ] Gas	[ ] Fresh [ ] Untested	[ ] Other, specify
(m/ft) [ ] Gas	[ ] Fresh [ ] Untested	[ ] Other, specify

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0	7.31	15.86
7.31	45.10	15.07

Results of Well Yield Testing

After test of well yield, water was:
[X] Clear and sand free
[ ] Other, specify ____

If pumping discontinued, give reason:

Pump intake set at (m/ft): 30.47

Pumping rate (l/min / GPM): 54.6

Duration of pumping: 1 hrs + ____ min

Final water level end of pumping (m/ft): 4.25

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

Recommended pump depth (m/ft): 22.85

Recommended pump rate (l/min / GPM): 45.5

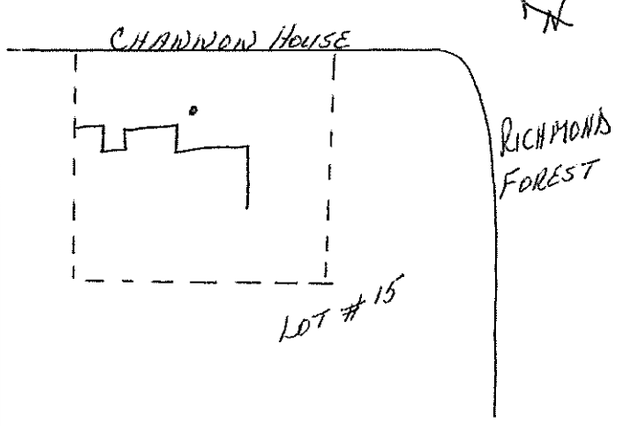
Well production (l/min / GPM):

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	3.80		
1	4.14	1	3.86
2	4.18	2	3.82
3	4.19	3	
4	4.20	4	
5	4.21	5	
10	4.24	10	
15	4.24	15	
20	4.24	20	
25	4.23	25	
30	4.24	30	
40	4.24	40	
50	4.23	50	
60	4.24	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.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
Box 490	Stittsville	Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
613 836 1766	Miller, Stephen	0097		2009 10 30

Well owner's information package delivered: [X] Yes [ ] No

Date Package Delivered: 2009 10 30

Date Work Completed: 2009 10 28

Ministry Use Only

Audit No. Z 101753

Received FEB 16 2010

Ontario — Ministry of the Environment

Well Record

...ition 903 Ontario Water Resources Act

Measurements recorded in: [X] Metric [ ] Imperial

Well Tag No. *(Place Sticker and/or Print Below)*: A076840

A076840

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	[ ] Well Constructed by Well Owner
	Talos Custom Homes		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
5509 Canotek Road, unit 1	Ottawa	Ontario	K1J 9J8	613 747 3993

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Lot 13 - Chanonhouse Dr.	Goulbourn	25	3

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	435427	5004590		

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	Clay	Stones		0	4.26
Gray	Limestone		Layered & Broken	4.26	5.48
Gray	Limestone		Medium	5.48	37.48

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used *(Material and Type)*	Volume Placed (m^3/ft^3)
7.31	0	Grouted Bentonite Slurry	.84m^3

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[X] Rotary ~~(Reverse)~~ Air [ ] Driving
[ ] Boring [ ] Digging
[ ] Air percussion
[ ] Other, *specify* _____

Well Use

[ ] Public [ ] Commercial [ ] Not used
[X] 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
15.86	Steel	.48	+.45	7.31

Construction Record - Screen

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

Status of Well

[X] 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	Kind of Water	
34.44 (m/ft)	[ ] Fresh [X] Untested	[ ] Gas [ ] Other, *specify*
(m/ft)	[ ] Fresh [ ] Untested	[ ] Gas [ ] Other, *specify*
(m/ft)	[ ] Fresh [ ] Untested	[ ] Gas [ ] Other, *specify*

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	7.31	15.86
7.31	37.48	15.23

Results of Well Yield Testing

After test of well yield, water was:
[X] Clear and sand free
[ ] Other, *specify*

If pumping discontinued, give reason:

Pump intake set at (m/ft): 18.28

Pumping rate (l/min / GPM): 54.6

Duration of pumping: 1 hrs + _____ min

Final water level end of pumping (m/ft): 4.72

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

Recommended pump depth (m/ft): 18.28

Recommended pump rate (l/min / GPM): 45.5

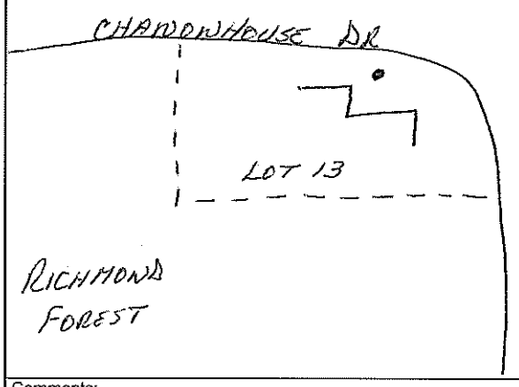
Well production (l/min / GPM):

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	3.17		
1	3.91	1	3.93
2	4.17	2	3.66
3	4.31	3	3.51
4	4.41	4	3.47
5	4.45	5	3.41
10	4.59	10	3.30
15	4.64	15	3.27
20	4.66	20	3.24
25	4.68	25	3.21
30	4.69	30	3.19
40	4.73	40	3.17
50	4.73	50	
60	4.72	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.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
613 836 1766	Miller, Stephen

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0097		2009/08/12

Well owner's information package delivered: [X] Yes [ ] No

Date Package Delivered: 2009/08/07

Date Work Completed: 2009 Y 08 M 04 D

Ministry Use Only

Audit No. Z 101702

Received FEB 16 2010

Ontario — Ministry of the Environment

Well Tag No. *(Place Sticker and/or Print Below)* A068354 **A 068354**

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Measurements recorded in: [X] Metric [ ] Imperial

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	
Talos Custom Homes			[ ] Well Constructed by Well Owner

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
5509 Canotek Road	Ottawa	Ontario	K1J 9J8	613 747 3993

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Lot 29 - Richmond Forest	Goulbourn	25	3

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD	18	435428	5004553		

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	Clay	Stones	Packed	0	3.65
Gray	Clay	Stones	Sticky	3.65	6.09
Gray	Limestone		Medium	6.09	45.10

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
8.53	0	Grouted Bentonite Slurry	.69m^3

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[X] Rotary ~~(Reverse)~~ Air [ ] Driving
[ ] Boring [ ] Digging
[X] Air percussion
[ ] Other, *specify*

Well Use

[ ] Public [ ] Commercial [ ] Not used
[X] 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
15.86	Steel	.48	+.60	8.53

Construction Record - Screen

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

Status of Well

[X] 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	Kind of Water	
42.36 (m/ft) [ ] Gas	[ ] Fresh [X] Untested	[ ] Other, *specify*
(m/ft) [ ] Gas	[ ] Fresh [ ] Untested	[ ] Other, *specify*
(m/ft) [ ] Gas	[ ] Fresh [ ] Untested	[ ] Other, *specify*

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	8.53	15.86
8.53	45.10	15.07

Results of Well Yield Testing

After test of well yield, water was:
[X] Clear and sand free
[ ] Other, *specify*

If pumping discontinued, give reason:

Pump intake set at (m/ft): 30.47

Pumping rate (l/min / GPM): 54.6

Duration of pumping: 1 hrs + ____ min

Final water level end of pumping (m/ft): 15.23

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft): 22.85

Recommended pump rate (l/min / GPM): 45.5

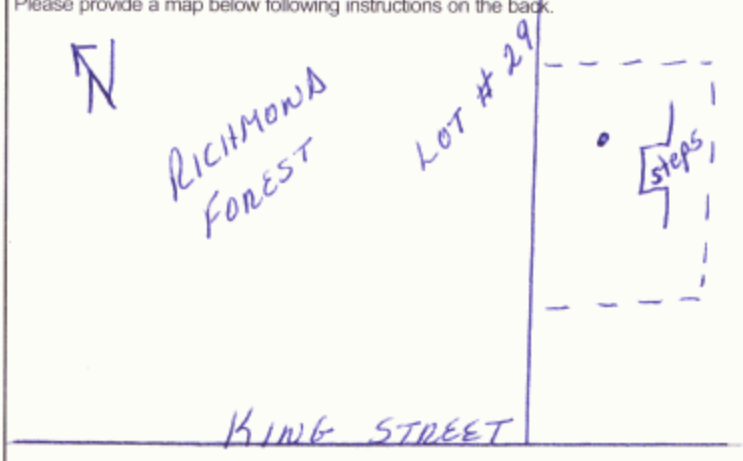
Well production (l/min / GPM)

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	4.16		
1	6.03	1	12.05
2	7.44	2	10.35
3	8.49	3	8.73
4	9.50	4	7.38
5	9.99	5	6.10
10	12.29	10	4.25
15	13.38	15	4.16
20		20	
25	14.40	25	
30	14.62	30	
40	14.95	40	
50	15.09	50	
60	15.23	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.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K2S1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
6138361766	Miller, Stephen

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0097		2008 11 17

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[X] Yes [ ] No	2008 11 13	2008 11 12

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Audit No. Z 84445

Received DEC 0 2 2008

0506E (12/2007)

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Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: [X] Metric [ ] Imperial

Well Tag No. (Place Sticker and/or Print Below): A068287 A 068287

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	[ ] Well Constructed by Well Owner
	Talos Custom Homes		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
5509 Canotek Rd. Unit 1	Ottawa	Ontario	K 1J 9J8	613 747 3993

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Lot 30, Richmond Forest	Goulbourn	25	3

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	435437	5004548		

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	Sandy Soil	Stones		0	4.26
Gray	Hardpan	Boulders	Packed	4.26	8.83
Gray	Limestone		Medium	8.83	45.10

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
8.83	0	Grouted Bentonite Slurry	.84m^3

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[X] Rotary (Reverse) Air [ ] Driving
[ ] Boring [ ] Digging
[X] Air percussion
[ ] Other, specify

Well Use

[ ] Public [ ] Commercial [ ] Not used
[X] 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
15.86	Steel	.48	+.45	8.83

Construction Record - Screen

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

Status of Well

[X] 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	Other, specify
43.27	[ ] Fresh [X] Untested	[ ]	
	[ ] Fresh [ ] Untested	[ ]	
	[ ] Fresh [ ] Untested	[ ]	

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	8.83	15.86
8.83	45.10	15.23

Results of Well Yield Testing

After test of well yield, water was:
[X] Clear and sand free
[ ] Other, specify

If pumping discontinued, give reason:

Pump intake set at (m/ft): 30.47

Pumping rate (l/min / GPM): 54.6

Duration of pumping: 1 hrs + ____ min

Final water level end of pumping (m/ft): 5.14

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

Recommended pump depth (m/ft): 22.85

Recommended pump rate (l/min / GPM): 45.5

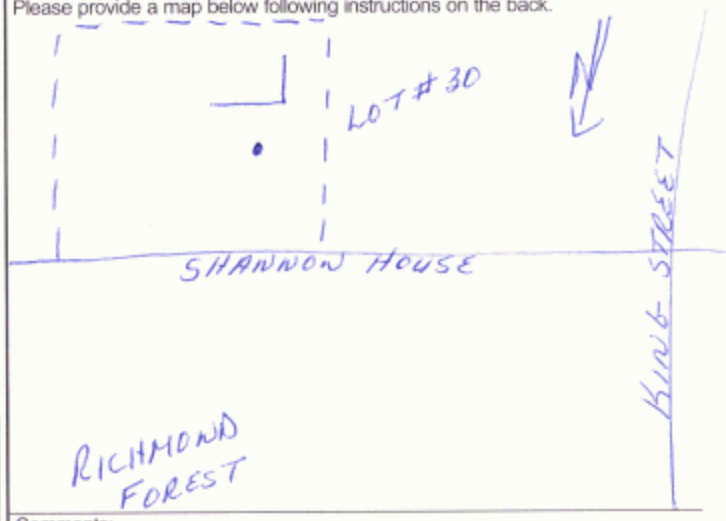
Well production (l/min / GPM):

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	3.99		
1	4.74	1	4.27
2	4.90	2	4.11
3	4.94	3	4.04
4	4.98	4	4
5	5.	5	
10	5.08	10	
15	5.09	15	
20	5.11	20	
25	5.12	25	
30	5.12	30	
40	5.13	40	
50	5.13	50	
60	5.14	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.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
Box 490	Stittsville	Ontario	K2S1A6	office@capitalwater.ca

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
6138361766	Miller, Stephen	0097		2009/03/06

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[X] Yes [ ] No	2009/03/06	2009/03/05

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Audit No. Z095337

Received APR 06 2009

0506E (12/2007)

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Ontario — Ministry of the Environment

Measurements recorded in: [X] Metric [ ] Imperial

Well Tag No. (Place Sticker and/or Print Below): A076822 **A076822**

Well Record

tion 903 Ontario Water Resources Act

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	[ ] Well Constructed by Well Owner
	Talos Custom Homes		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
5509 Canotek Road, Unit 1	Ottawa	Ontario	K1J 9J8	613 747 3993

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Lot 12, Chanonhouse	Goulbourn	25	3

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	435390	5004542		

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	Clay	Stones		0	6.09
Gray	Limestone		Medium	6.09	42.97
Gray & White	Sandstone			42.97	51.81

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
9.14	0	Grouted Bentonite Slurry	.63m^3

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[X] Rotary (~~Reverse~~) Air [ ] Driving
[ ] Boring [ ] Digging
[X] Air percussion
[ ] Other, *specify* _____

Well Use

[ ] Public [ ] Commercial [ ] Not used
[X] 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
15.86	Steel	.48	+.45	9.14

Construction Record - Screen

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

Status of Well

[X] 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	Other, specify
50.59 m/ft	[ ] Fresh [X] Untested	[ ] Gas	[ ] Other, specify
(m/ft)	[ ] Fresh [ ] Untested	[ ] Gas	[ ] Other, specify
(m/ft)	[ ] Fresh [ ] Untested	[ ] Gas	[ ] Other, specify

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	9.14	15.86
9.14	51.81	15.23

Results of Well Yield Testing

After test of well yield, water was:
[X] Clear and sand free
[ ] Other, *specify*

If pumping discontinued, give reason:

Pump intake set at (m/ft): 30.47

Pumping rate (l/min / GPM): 54.6

Duration of pumping: 1 hrs + ____ min

Final water level end of pumping (m/ft): 15.90

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

Recommended pump depth (m/ft): 22.85

Recommended pump rate (l/min / GPM): 45.5

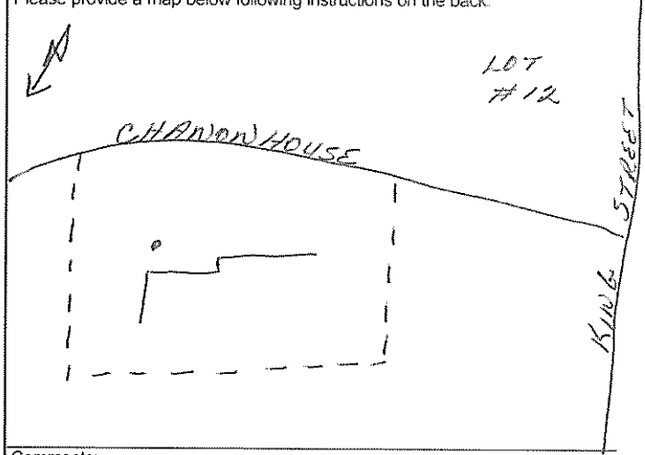
Well production (l/min / GPM):

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	4.32		
1	6.03	1	13.08
2	7.12	2	11.04
3	8.20	3	9.35
4	8.83	4	7.70
5	9.48	5	6.70
10	11.80	10	4.31
15	13.20	15	
20	14.19	20	
25	14.87	25	
30	15.23	30	
40	15.66	40	
50	15.83	50	
60	15.90	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.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
Box 490	Stittsville	Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
613 836 1766	Miller, Stephen	0097		2009 06 19

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[X] Yes [ ] No	2009 06 18	2009 06 17

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Audit No. Z095261

Received AUG 10 2009

Ontario — Ministry of the Environment

Measurements recorded in: [X] Metric [ ] Imperial

Well Tag No. *(Place Sticker and/or Print Below)* A076798 **A076798**

Well Record

...tion 903 Ontario Water Resources Act

Page ____ of ____

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Lot 28 Richmond Forest	Goulbourn	25	3

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

UTM Coordinates: NAD 83 | Zone 18 | Easting 435398 | Northing 5004532

Municipal Plan and Sublot Number:

Other:

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	Clay	Stones		0	4.26
Gray	Clay	Stones		4.26	5.79
Gray	Limestone			5.79	45.10

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
8.83	0	Grouted Bentonite Slurry	.42m^3

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[X] Rotary (~~Reverse~~) Air [ ] Driving
[ ] Boring [ ] Digging
[X] Air percussion
[ ] Other, *specify*

Well Use

[ ] Public [ ] Commercial [ ] Not used
[X] 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
15.86	Steel	.48	+.45	8.83

Construction Record - Screen

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

Status of Well

[X] 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	
42.66	[ ] Fresh [X] Untested	[ ] Gas [ ] Other, *specify*
	[ ] Fresh [ ] Untested	[ ] Gas [ ] Other, *specify*
	[ ] Fresh [ ] Untested	[ ] Gas [ ] Other, *specify*

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	8.83	15.86
8.83	45.10	15.07

Results of Well Yield Testing

After test of well yield, water was:
[X] Clear and sand free
[ ] Other, *specify*

If pumping discontinued, give reason:

Pump intake set at (m/ft): 30.47

Pumping rate (l/min / GPM): 54.6

Duration of pumping: 1 hrs + ____ min

Final water level end of pumping (m/ft): 4.81

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

Recommended pump depth (m/ft): 22.85

Recommended pump rate (l/min / GPM): 45.5

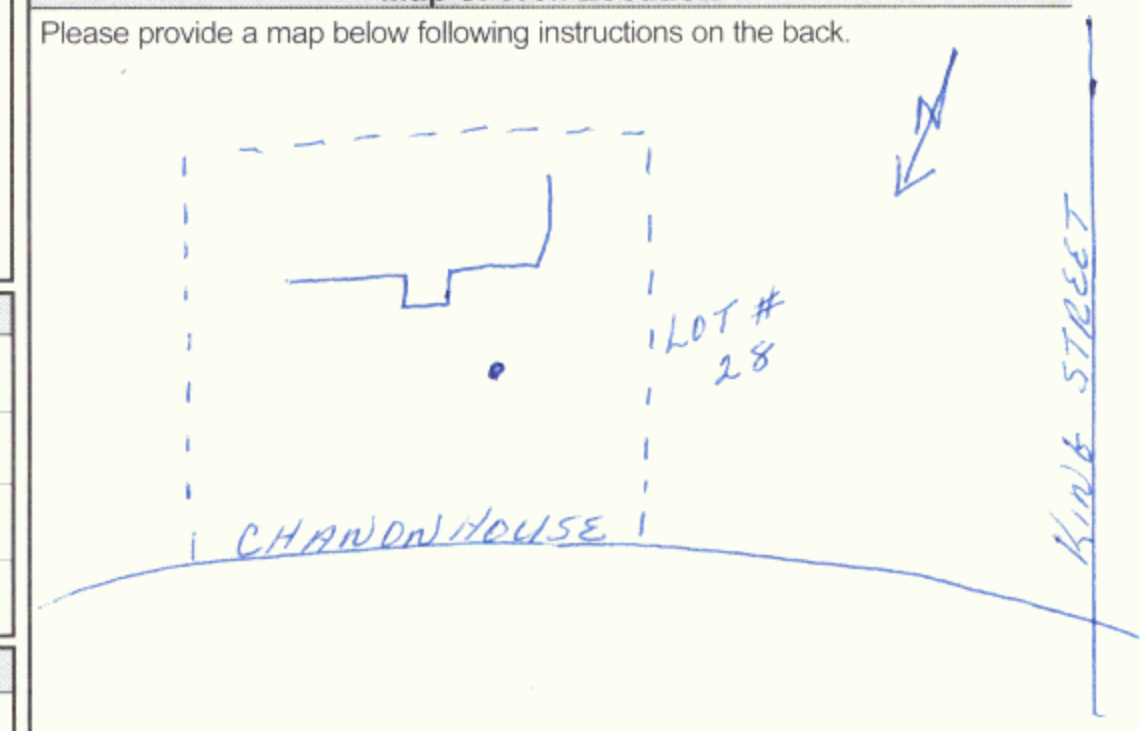
Well production (l/min / GPM):

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	3.57		
1	4.49	1	3.67
2	4.65	2	3.58
3	4.70	3	
4	4.72	4	
5	4.73	5	
10	4.75	10	
15	4.77	15	
20	4.80	20	
25	4.80	25	
30	4.80	30	
40	4.80	40	
50	4.80	50	
60	4.81	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.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K2S1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*: 6138361766

Name of Well Technician (Last Name, First Name): Miller, Stephen

Well Technician's Licence No.: 0097

Signature of Technician and/or Contractor:

Date Submitted: 20090325

Well owner's information package delivered: [X] Yes [ ] No

Date Package Delivered: 20090324

Date Work Completed: 20090323

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Audit No. Z095328

MAY 20 2009

Received

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MINISTRY OF THE ENVIRONMENT

The Ontario Water Resources Act

WATER WELL RECORD

Ontario

316/4F

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 1514856 | MUNICIP. 15701 | CON.

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
West Carleton	~~Richmond~~ ~~Richmond~~	~~McBean St.~~	~~17~~

[redacted] Richmond Ont.

DATE COMPLETED: DAY 31 MO 07 YR 75

	RC	ELEVATION	RC	BASIN CODE	II	III	IV
[redacted]004324	4	306	4	26	JUN 28, 1977		300

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	TO
grey	clay			0	15
grey	limestone			15	55

31: 0015205 0055215

32:

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0053	1 ☑ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	TO
06	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	25 / 0025
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE: | DEPTH TO TOP OF SCREEN: FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☑ PUMP 2 ☐ BAILER	0004 GPM	01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
006 FEET	030 FEET	030 FEET	030 FEET	030 FEET	030 FEET

WATER LEVELS DURING: 1 ☑ PUMPING 2 ☐ RECOVERY

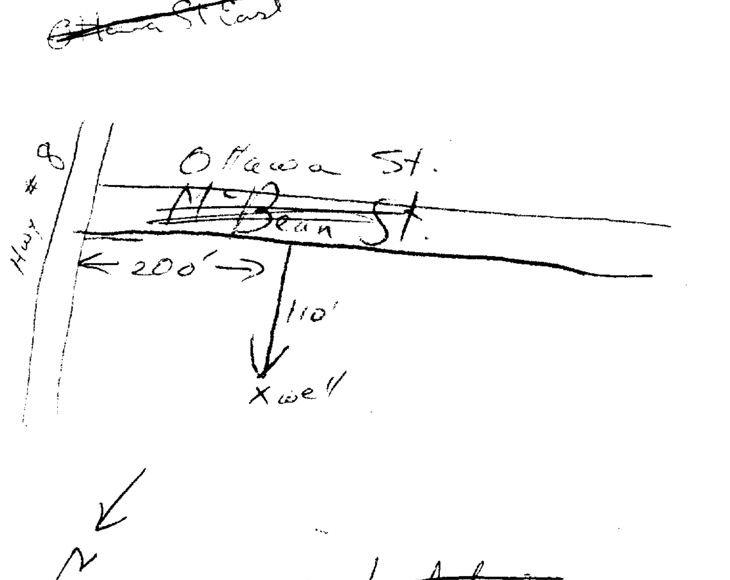
IF FLOWING, GIVE RATE: GPM | PUMP INTAKE SET AT: FEET | WATER AT END OF TEST: 1 ☐ CLEAR 2 ☑ CLOUDY

RECOMMENDED PUMP TYPE: ☑ SHALLOW ☐ DEEP | RECOMMENDED PUMP SETTING: 030 FEET | RECOMMENDED PUMPING RATE: 0003 GPM

GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL 3504

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS: ~~setback of ping~~

FINAL STATUS OF WELL: 1 — 1 ☑ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE: 01 — 1 ☑ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING: 5 — 1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☑ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: Henry Mars Well Drilling | LICENCE NUMBER: 3644

ADDRESS: Box 326 Richmond Ont.

NAME OF DRILLER OR BORER: W.J. Mars | LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: | SUBMISSION DATE: DAY 31 MO. 7 YR. 75

OFFICE USE ONLY

DATA SOURCE: 1 | CONTRACTOR: 3644 | DATE RECEIVED: 150875

DATE OF INSPECTION: June 16/1976 | INSPECTOR: K. DePentney

REMARKS: Con. III Lot 25

P | WI

MINISTRY OF THE ENVIRONMENT COPY

FORM 7 MOE 07-091

Ontario — Ministry of the Environment

Measurements recorded in: [X] Metric [ ] Imperial

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

A068297 A 068297

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Lot 27 Chanonhouse Drive	Goulbourn	25	3

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	435407	5004510		

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	Sandy Clay	Stones	Packed	0	3.65
Gray	Sandy Clay	Stones	Packed	3.65	5.48
Gray	Limestone		Medium	5.48	45.10

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
8.53	0	Grouted Bentonite Slurry	.63m^3

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[X] Rotary ~~(Reverse)~~ Air [ ] Driving
[ ] Boring [ ] Digging
[X] Air percussion
[ ] Other, *specify*

Well Use

[ ] Public [ ] Commercial [ ] Not used
[X] 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
15.86	Steel	.48	+.45	8.53

Construction Record - Screen

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

Status of Well

[X] 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
43.58	[ ]	[X] Untested	
	[ ]	[ ] Fresh [ ] Untested	
	[ ]	[ ] Fresh [ ] Untested	

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0	8.53	15.86
8.53	45.10	15.23

Results of Well Yield Testing

After test of well yield, water was:
[X] Clear and sand free
[ ] Other, *specify*

If pumping discontinued, give reason:

Pump intake set at (m/ft): 22.85

Pumping rate (l/min / GPM): 54.6

Duration of pumping: 1 hrs + ____ min

Final water level end of pumping (m/ft): 7.73

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

Recommended pump depth (m/ft): 22.85

Recommended pump rate (l/min / GPM): 45.5

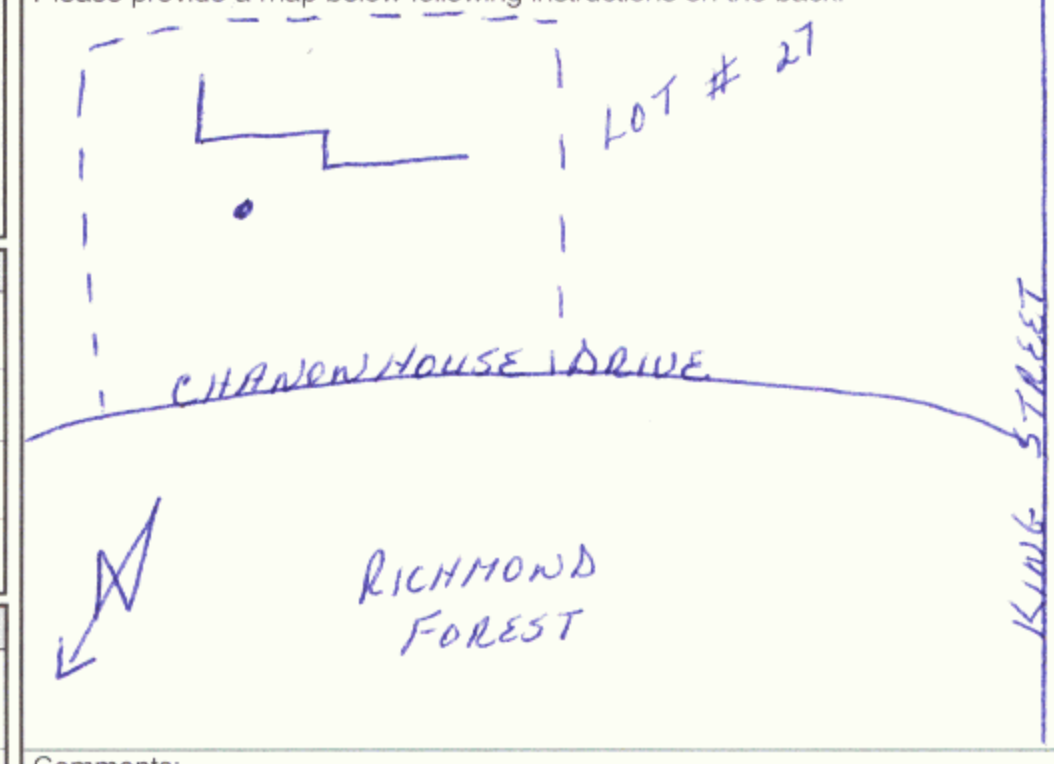
Well production (l/min / GPM):

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	3.22		
1	4.72	1	5.09
2	5.55	2	3.92
3	6.15	3	3.47
4	6.53	4	3.32
5	6.82	5	3.27
10	7.47	10	
15	7.63	15	
20	7.66	20	
25	7.66	25	
30	7.67	30	
40	7.72	40	
50	7.72	50	
60	7.73	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.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K2S1A6	office@capitalwater.ca

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
6138361766	Miller, Stephen

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0097		20090330

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[X] Yes [ ] No	20090330	20090324

Ministry Use Only

Audit No. Z095325

Received MAY 20 2009

0506E (12/2007) — Ministry's Copy

UTM 18 Z 4 3 5 9 7 5 E
15 R 5 0 0 4 3 8 5 N
Elev. 4 R 0 3 0 5
Basin 25

31G4f

WATER RESOURCES DIVISION
AUG 24 1965 No. 6372
ONTARIO WATER RESOURCES COMMISSION

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District: Carleton   Township, Village, Town or City: Nepean

Con.: 6 RF   Lot: 4   Date completed: 5 (day) April (month) 65 (year)

[redacted] Address: Richmond

Casing and Screen Record	
Inside diameter of casing	4
Total length of casing	38
Type of screen	
Length of screen	
Depth to top of screen	
Diameter of finished hole	4

Pumping Test	
Static level	20
Test-pumping rate	5 G.P.M.
Pumping level	35
Duration of test pumping	1 Hr
Water clear or cloudy at end of test	Clear
Recommended pumping rate	5 G.P.M.
with pump setting of	70 feet below ground surface

Well Log: Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
Coarse Gravel	0	20		
Fine "	20	30		
" Red Sand	30	38		
Limestone	38	86	85	Fresh

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

Is well on upland, in valley, or on hillside? (upland circled)

Drilling or Boring Firm: F P Sparks

Address: Stittsville

Licence Number: 1600

Name of Driller or Borer: E H Sparks

Address:

Date: Aug 12

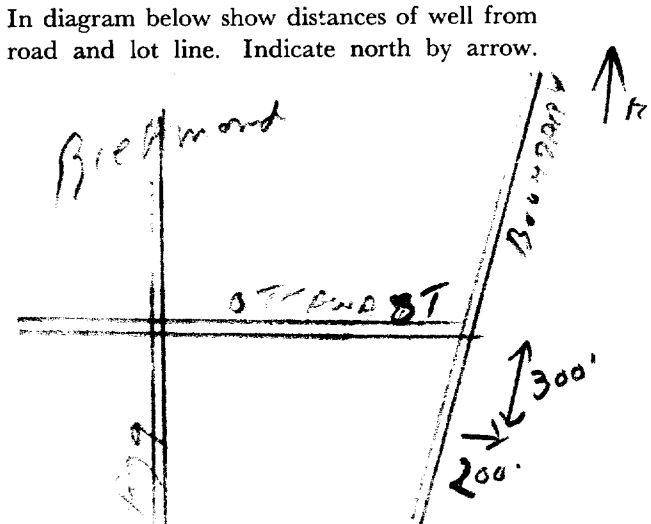
F. P. Sparks
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

Location of Well

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



MINISTRY OF THE ENVIRONMENT

The Ontario Water Resources Act

WATER WELL RECORD

Ontario

31 6/48

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 1514676 | MUNICIP. 15003 | CON. CON | 03

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Carleton	Goulbourn Richmond	Con 3	026

[redacted] Richmond Ont.

DATE COMPLETED DAY 17 MO. 03 YR. 75

[redacted] ING 004435 | RC. 4 | ELEVATION 306 | RC. 4 | BASIN CODE 26 | AUG 04, 1977 | 303

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	TO
grey	clay		loomy	0	4
brown	sand			4	10
grey	clay	stones		10	45
grey	limestone			45	95

31 | 000420502 | 0010628 | 004520512 | 0095215

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0060	1 ☑ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
0094	1 ☑ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	TO
06	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	0048
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

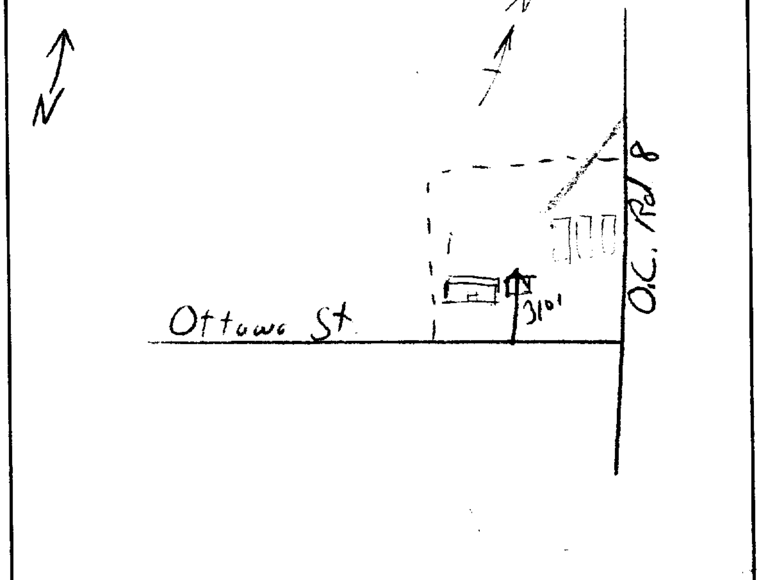
DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	1 ☑ PUMP 2 ☐ BAILER
PUMPING RATE	0010 GPM
DURATION OF PUMPING	01 HOURS 00 MINS
STATIC LEVEL	004 FEET
WATER LEVEL END OF PUMPING	050 FEET
WATER LEVELS DURING	1 ☒ PUMPING 2 ☐ RECOVERY
15 MINUTES	050 FEET
30 MINUTES	050 FEET
45 MINUTES	050 FEET
60 MINUTES	050 FEET
IF FLOWING, GIVE RATE	GPM
PUMP INTAKE SET AT	FEET
WATER AT END OF TEST	1 ☑ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE	☐ SHALLOW ☑ DEEP
RECOMMENDED PUMP SETTING	050 FEET
RECOMMENDED PUMPING RATE	0010 GPM
GPM./FT. SPECIFIC CAPACITY	

LOCATION OF WELL 3504

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL	1	1 ☑ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED
WATER USE	15	1 ☑ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☑ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED
METHOD OF DRILLING	5	1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☑ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR	Henry Mains Well Drilling
LICENCE NUMBER	3644
ADDRESS	Box 326, Richmond Ont.
NAME OF DRILLER OR BORER	Henry Mains
LICENCE NUMBER	
SIGNATURE OF CONTRACTOR	[signature]
SUBMISSION DATE	DAY 29 MO. 3 YR. 75

OFFICE USE ONLY

DATA SOURCE	1
CONTRACTOR	3644
DATE RECEIVED	290575
DATE OF INSPECTION	26 Apr 76
INSPECTOR	P/R Doyle
REMARKS	
P	
WI	

CSS.S8

FORM 7 MOE 07-091

MINISTRY OF THE ENVIRONMENT COPY

316/4f. "A"

UTM 1 8 Z 4 3 5 6 5 0 E

5 R 5 0 0 4 1 3 0 N

Elev. 4 R 0 3 1 0

Basin 2 5 1

WATER RESOURCES DIVISION
15 No 9315 (B)
SEP 1 1967
ONTARIO WATER RESOURCES COMMISSION

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District Carleton Township, Village, Town or City Richmond

Con. .... Lot .... Date completed 25 (day) Aug (month) 1967 (year)

[redacted] ress Richmond Ont

Casing and Screen Record	
Inside diameter of casing	5"
Total length of casing	26'
Type of screen	
Length of screen	
Depth to top of screen	
Diameter of finished hole	5"

Pumping Test	
Static level	10'
Test-pumping rate	10 G.P.M.
Pumping level	12'
Duration of test pumping	1 hr
Water clear or cloudy at end of test	cloudy
Recommended pumping rate	5 G.P.M.
with pump setting of	35 feet below ground surface

Well Log / **Water Record**

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
clay	0'	15'	58'	fresh
gravel	15'	22'		
limestone	21	60		

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

Is well on upland, in valley, or on hillside? upland

Drilling or Boring Firm Capital Water Supply Ltd

Address 14 Ashford Dr Ottawa 6

Licence Number 2381

Name of Driller or Borer M Kavanagh

Address

Date Aug 25 1967

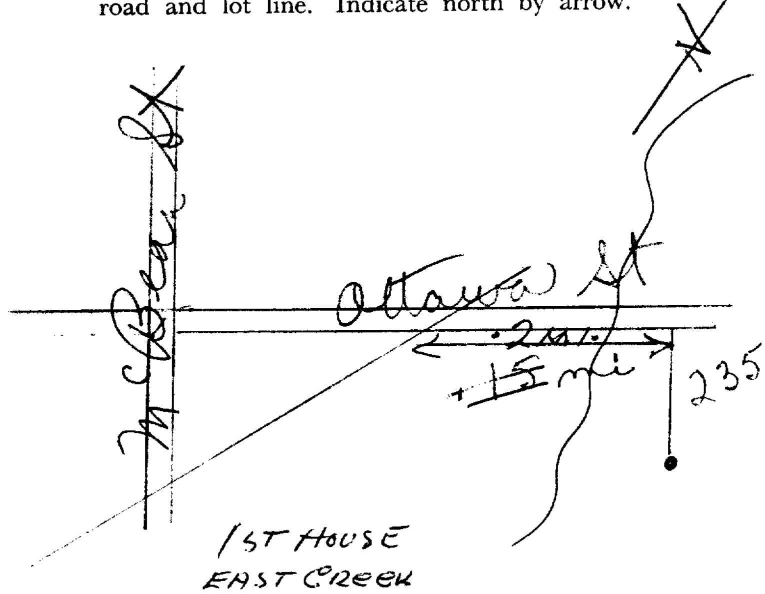
Walter Kavanagh
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

Location of Well

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



3164f. A

UTM 1 8 Z 4 3 5 5 3 5 E
5 R 5 0 0 4 1 0 0 N

Elev. 4 R 0 3 0 0

Basin 2 5

C

15 No. 9235

GROUND WATER BRANCH
SEP 7 1960
RESOURCES COMMISSION

The Ontario Water Resources Commission Act, 1957

WATER WELL RECORD

County or District Carleton — Township, Village, ~~Town or City~~ Richmond

Con. — Lot —

[redacted]

Date completed 5 (day) Aug (month) 60 (year)

Address Richmond

Casing and Screen Record

Inside diameter of casing 4"

Total length of casing 26'

Type of screen —

Length of screen —

Depth to top of screen —

Diameter of finished hole 4"

Pumping Test

Static level 5'

Test-pumping rate 6 G.P.M.

Pumping level 6 ft.

Duration of test pumping 1/2 hr.

Water clear or cloudy at end of test clear

Recommended pumping rate 5 G.P.M.

with pumping level of Set pump at 30 ft.

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, sulphur)
clay	0	13			
broken limestone	13	20			
limestone	20	59	55	50	fresh

Water Record

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

house

Is well on upland, in valley, or on hillside? upland

Drilling Firm

Address

Licence Number 483

Name of Driller Ben E. Sparks

Address

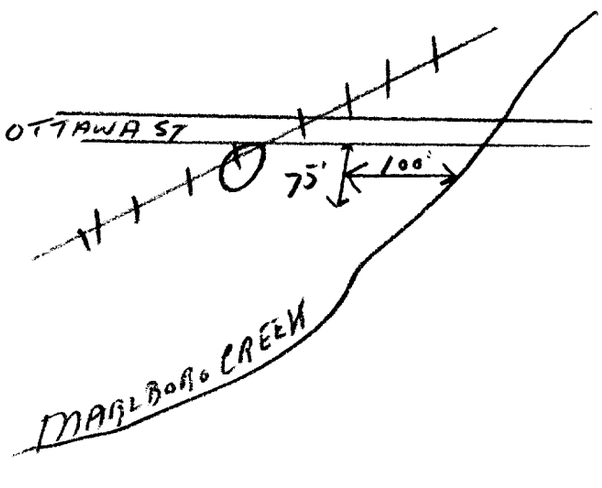
Date Aug 23/60

Ben E. Sparks

(Signature of Licensed Drilling Contractor)

Location of Well

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



Form 5
15M-58-4149

Ministry of the Environment, Conservation and Parks

Corporate Services Branch
40 St. Clair Avenue West
Toronto ON M4V 1M2

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

Direction des services ministériels
40, avenue St. Clair Ouest
Toronto ON M4V 1M2

Ontario

July 7, 2024

Mr. Mark Bujaki
Paterson Group
9 Auriga
Ottawa, Ontario K2E 7T9
mbujaki@patersongroup.ca

Dear Mark Bujaki:

RE: **MECP FOI A-2024-03892, Your Reference PE6526 – Decision Letter**

This letter is in response to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to:

> 5923 Ottawa Street, Ottawa
> Timeframe: January 1, 1900 to June 12, 2024

After a thorough search through the ministry files, no records were located responsive to your request. The official responsible for making the access decision on your request is the undersigned.

You may request a review of my decision within 30 days from the date of this letter by contacting the Information and Privacy Commissioner/Ontario at http://www.ipc.on.ca. Please note there may be a fee associated with submitting the appeal.

If you have any questions, please contact Roxanne Chambers at (807) 456-3035 or roxanne.chambers@ontario.ca.

Yours truly,

Roxanne Chambers

for
Josephine DeSouza
Manager, Access and Privacy Office

File Number: D06-03-24-0062

July 3

Mark Bujaki
Paterson Group

Sent via email mbujaki@patersongroup.ca

Dear Mark Bujaki,

Re: Information Request
5923 Ottawa Street 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:

- **Environmental Remediation Unit:** The Environmental Remediation Unit does not have any environmental records for this property.
- **Ottawa Public Health - Environmental Health:** all public inspection results are publicly available on the Ottawa Public Health website: https://www.ottawapublichealth.ca/en/public-health-services/public-health-inspections.aspx
- **Sewer Use Program:** The City's Sewer Use Program has not found any information pertaining to the subject property.
- **Solid Waste Services:** The subject property is not within 5 kilometers of any Solid Waste Services facilities

Documents Provided:

HLUI Summary Report and HLUI Map

The HLUI Summary Report Excel spreadsheet identifies HLUI area, point and line features within 250 metres of the Subject Property, as shown on the provided HLUI Map PDF. Within 500 metres of the Subject Property, landfills and Environmental Risk Management Area (ERMA) are also identified if applicable.

For more information on how to interpret the HLUI data identified in the attached excel sheet ('ADDRESS – HLUI Summary report.xlsx'), please refer to the Overview and User Guide."

Additional information may be obtained by contacting:

Ontario's Environmental Registry

The Environmental Registry found at https://ero.ontario.ca/ 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

Ottawa Public Health

Ottawa Public Health inspects many different types of establishments. To view inspection results, please visit the Ottawa Public Health website: Public Health Inspections - Ottawa Public Health

Please note that Ottawa Public Health is not the lead agency on land use contamination in the City of Ottawa – contact the Ministry of Environment Conservation and Parks (MECP) for further information.

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 HLUI@ottawa.ca.

Sincerely,

Jonathan Chan
Student Planner
Development Review
Planning, Development and Building Services Department

Enclosures: (2)

1. HLUI Map
2. HLUI Summary Report

cc: File no. D06-03-24-0062

DATABASE REPORT

Project Property:	*PE6526* *5923 Ottawa St.* *Richmond ON*
Project No:	
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*24041900018*
Requested by:	*Paterson Group Inc.*
Date Completed:	*April 23, 2024*

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

Table of Contents

Executive Summary

Property Information:

Project Property:	*PE6526* *5923 Ottawa St. Richmond ON*
Project No:	

Order Information:

Order No:	*24041900018*
Date Requested:	*April 19, 2024*
Requested by:	*Paterson Group Inc.*
Report Type:	*Quote - Custom-Build Your Own Report*

Historical/Products:

ERIS Xplorer	*ERIS Xplorer*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	3	3
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	1	1
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	2	2
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	13	13
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.25km	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
NPR2	National Pollutant Release Inventory 1993-2020	Y	0	0	0
NPRI	National Pollutant Release Inventory - Historic	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	7	7
PFCH	NPRI Reporters - PFAS Substances	Y	0	0	0
PFHA	Potential PFAS Handers from NPRI	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	6	6
SPL	Ontario Spills	Y	0	2	2
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	1	18	19

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
Total:			1	54	55

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	WWIS		ON **Well ID:** 1514856	S/0.0	0.25	23

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	SCT	R A B DEDESCO LIMITED	5935 OTTAWA ST RICHMOND ON K0A 2Z0	SW/30.1	0.00	26
2	SCT	QUATROSENSE ENVIRONMENTAL LTD	5935 OTTAWA ST RICHMOND ON K0A 2Z0	SW/30.1	0.00	26
2	SCT	QUATROSENSE ENVIRONMENTAL LTD.	5935 Ottawa St Richmond ON K0A 2Z0	SW/30.1	0.00	26
2	SCT	RAB Dedesco Limited	5935 Ottawa St Richmond ON K0A 2Z0	SW/30.1	0.00	27
2	SCT	QEL-Quatrosense Environmental	5935 Ottawa St Richmond ON K0A 2Z0	SW/30.1	0.00	27
2	GEN	QUATROSENSE ENVIRONMENTAL LIMITED	5935 OTTAWA STREET RICHMOND ON K0A 2Z0	SW/30.1	0.00	27
2	GEN	QUATROSENSE ENVIRONMENTAL LIMITED	5935 OTTAWA STREET RICHMOND ON K0A 2Z0	SW/30.1	0.00	28
2	EHS		5935 Ottawa Street Richmond ON	SW/30.1	0.00	28
2	GEN	QUATROSENSE ENVIRONMENTAL LIMITED	5935 OTTAWA STREET RICHMOND ON K0A 2Z0	SW/30.1	0.00	28
2	GEN	QUATROSENSE ENVIRONMENTAL LIMITED	5935 OTTAWA STREET RICHMOND ON K0A 2Z0	SW/30.1	0.00	29
2	GEN	QUATROSENSE ENVIRONMENTAL LIMITED	5935 OTTAWA STREET RICHMOND ON K0A 2Z0	SW/30.1	0.00	29
2	GEN	QUATROSENSE ENVIRONMENTAL LIMITED	5935 OTTAWA STREET RICHMOND ON	SW/30.1	0.00	29

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	GEN	QUATROSENSE ENVIRONMENTAL LIMITED	5935 OTTAWA STREET RICHMOND ON K0A 2Z0	SW/30.1	0.00	30
2	GEN	QUATROSENSE ENVIRONMENTAL LIMITED	5935 OTTAWA STREET RICHMOND ON K0A 2Z0	SW/30.1	0.00	30
2	GEN	QUATROSENSE ENVIRONMENTAL LIMITED	5935 OTTAWA STREET RICHMOND ON K0A 2Z0	SW/30.1	0.00	31
2	GEN	QUATROSENSE ENVIRONMENTAL LIMITED	5935 OTTAWA STREET RICHMOND ON K0A 2Z0	SW/30.1	0.00	31
2	GEN	QUATROSENSE ENVIRONMENTAL LIMITED	5935 OTTAWA STREET RICHMOND ON K0A 2Z0	SW/30.1	0.00	31
2	GEN	QUATROSENSE ENVIRONMENTAL LIMITED	5935 OTTAWA STREET RICHMOND ON K0A 2Z0	SW/30.1	0.00	32
2	GEN	QUATROSENSE ENVIRONMENTAL LIMITED	5935 OTTAWA STREET RICHMOND ON K0A 2Z0	SW/30.1	0.00	32
3	PES	RICHMOND GARDENS	5901 OTTAWA ST, UNIT 5901 RICHMOND ON K0A 2Z0	NE/65.9	0.00	32
3	PES	RICHMOND GARDENS	5901 OTTAWA ST, UNIT 5901 RICHMOND ON K0A2Z0	NE/65.9	0.00	33
3	SCT	Lalonde Richmond Gardens	5901 Ottawa St Richmond ON K0A 2Z0	NE/65.9	0.00	33
3	PES	RICHMOND GARDENS	5901 OTTAWA ST, UNIT 5901 RICHMOND ON K0A 2Z0	NE/65.9	0.00	33
3	EHS		5901 Ottawa St Ottawa ON K0A2Z0	NE/65.9	0.00	34
3	PES	CREEK SIDE GARDENS INC. O/A CREEKSIDE GARDENS	5901 OTTAWA ST RICHMOND ON K0A2Z0	NE/65.9	0.00	34

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
3	PES	RITCHIE FEED AND SEED INC	5901 OTTAWA ST RICHMOND ON K0A2Z0	NE/65.9	0.00	34
3	PES	RICHMOND GARDENS	5901 OTTAWA ST, UNIT 5901 RICHMOND ON K0A2Z0	NE/65.9	0.00	35
3	PES		5901 OTTAWA ST OTTAWA ON K0A 2Z0	NE/65.9	0.00	35
4	SPL	PRIVATE BUSINESS	5949 OTTAWA ST. IN VILLAGE OF RICHMOND FUEL STORAGE TANK GOULBOURN TOWNSHIP ON	SW/72.3	0.00	36
4	CA	405295 Ontario Limited	5949 Ottawa Street Ottawa ON	SW/72.3	0.00	36
5	EASR	405295 ONTARIO LIMITED	5949 PO BOX 490, OTTAWA STREET RICHMOND ON K0A 2Z0	SW/72.3	0.00	37
5	ECA	405295 Ontario Limited	5949 Ottawa Street Ottawa ON K0A 2Z0	SW/72.3	0.00	37
6	WWIS		lot 25 con 3 ON ***Well ID:*** 7393852	SSW/98.7	0.00	37
7	WWIS		lot 26 con 3 ON ***Well ID:*** 1514676	E/121.4	1.00	38
8	SPL	City of Ottawa	52 Chanonhouse Drive, Richmond Ottawa ON	W/124.7	0.03	42
9	WWIS		ON ***Well ID:*** 1509315	S/147.8	1.86	43
10	BORE		ON	S/147.9	1.86	45
11	WWIS		TEST WELL 3, KING STREET lot 25 con 3 RICHMOND ON	W/150.6	0.00	47

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1535453			
12	WWIS		RICHMOND FOREST LOT 31 lot 25 con 3 RICHMOND ON ***Well ID:*** 7121464	W/156.2	-0.03	51
13	WWIS		LOT 33 RICHMOND FOREST lot 25 con 3 RICHMOND ON ***Well ID:*** 7112957	W/173.8	0.69	56
14	WWIS		LOT 13- CHANONHOUSE DRIVE lot 25 con 3 RICHMOND ON ***Well ID:*** 7139891	W/182.7	0.69	63
15	WWIS		RICHMOND FOREST LOT 30 lot 25 con 3 RICHMOND ON ***Well ID:*** 7121463	W/189.2	-0.03	69
16	WWIS		LOT 29 RICHMOND FOREST lot 25 con 3 RICHMOND ON ***Well ID:*** 7115740	W/194.9	0.69	75
17	WWIS		LOT 34 RICHMOND FOREST lot 25 con 3 RICHMOND ON ***Well ID:*** 7139835	W/197.1	1.00	81
18	WWIS		LOT 14 RICHMOND FOREST lot 25 con 3 RICHMON ON ***Well ID:*** 7115738	W/199.2	1.00	87
19	BORE		ON	E/206.7	1.00	93
20	WWIS		lot 4 con 6 ON ***Well ID:*** 1506372	E/206.8	1.00	94
21	WWIS		lot 25 con 3 ON ***Well ID:*** 1531908	SW/212.4	0.00	97
22	WWIS		LOT 15 RICHMOND FOREST lot 25 con 3 RICHMOND ON ***Well ID:*** 7139854	W/216.4	1.00	101
23	WWIS		RICHMOND FOREST LOT 28 lot 25 con 3 RICHMOND ON ***Well ID:*** 7123247	WSW/231.1	1.00	107
24	WWIS		ON	SSW/232.6	0.00	112

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1509235			
25	BORE		ON	SSW/232.7	0.00	115
26	WWIS		CHANONHOUSE LOT 12 lot 25 con 3 RICHMOND ON ***Well ID:*** 7127126	W/234.0	0.97	116
27	WWIS		CHANONHOUSE DR. LOT 27 lot 25 con 3 RICHMOND ON ***Well ID:*** 7123245	WSW/234.5	1.00	122

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 3 BORE site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON	147.9	10
	ON	206.7	19
	ON	232.7	25

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.

Site	Address	Distance (m)	Map Key
405295 Ontario Limited	5949 Ottawa Street Ottawa ON	72.3	4

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011-Feb 29, 2024 has found that there are 1 EASR site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
405295 ONTARIO LIMITED	5949 PO BOX 490, OTTAWA STREET RICHMOND ON K0A 2Z0	72.3	5

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Feb 29, 2024 has found that there are 1 ECA site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
405295 Ontario Limited	5949 Ottawa Street Ottawa ON K0A 2Z0	72.3	5

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Dec 31, 2023 has found that there are 2 EHS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	5935 Ottawa Street Richmond ON	30.1	2
	5901 Ottawa St Ottawa ON K0A2Z0	65.9	3

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Oct 31, 2022 has found that there are 13 GEN site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
QUATROSENSE ENVIRONMENTAL LIMITED	5935 OTTAWA STREET RICHMOND ON	30.1	2
QUATROSENSE ENVIRONMENTAL LIMITED	5935 OTTAWA STREET RICHMOND ON K0A 2Z0	30.1	2
QUATROSENSE ENVIRONMENTAL LIMITED	5935 OTTAWA STREET RICHMOND ON K0A 2Z0	30.1	2
QUATROSENSE ENVIRONMENTAL LIMITED	5935 OTTAWA STREET RICHMOND ON K0A 2Z0	30.1	2

Site	Address	Distance (m)	Map Key
QUATROSENSE ENVIRONMENTAL LIMITED	5935 OTTAWA STREET RICHMOND ON K0A 2Z0	30.1	2
QUATROSENSE ENVIRONMENTAL LIMITED	5935 OTTAWA STREET RICHMOND ON K0A 2Z0	30.1	2
QUATROSENSE ENVIRONMENTAL LIMITED	5935 OTTAWA STREET RICHMOND ON K0A 2Z0	30.1	2
QUATROSENSE ENVIRONMENTAL LIMITED	5935 OTTAWA STREET RICHMOND ON K0A 2Z0	30.1	2
QUATROSENSE ENVIRONMENTAL LIMITED	5935 OTTAWA STREET RICHMOND ON K0A 2Z0	30.1	2
QUATROSENSE ENVIRONMENTAL LIMITED	5935 OTTAWA STREET RICHMOND ON K0A 2Z0	30.1	2
QUATROSENSE ENVIRONMENTAL LIMITED	5935 OTTAWA STREET RICHMOND ON K0A 2Z0	30.1	2
QUATROSENSE ENVIRONMENTAL LIMITED	5935 OTTAWA STREET RICHMOND ON K0A 2Z0	30.1	2
QUATROSENSE ENVIRONMENTAL LIMITED	5935 OTTAWA STREET RICHMOND ON K0A 2Z0	30.1	2

PES - Pesticide Register

A search of the PES database, dated Oct 2011-Feb 29, 2024 has found that there are 7 PES site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
CREEK SIDE GARDENS INC. O/A CREEKSIDE GARDENS	5901 OTTAWA ST RICHMOND ON K0A2Z0	65.9	3

Site	Address	Distance (m)	Map Key
	5901 OTTAWA ST OTTAWA ON K0A 2Z0	65.9	3
RICHMOND GARDENS	5901 OTTAWA ST, UNIT 5901 RICHMOND ON K0A 2Z0	65.9	3
RITCHIE FEED AND SEED INC	5901 OTTAWA ST RICHMOND ON K0A2Z0	65.9	3
RICHMOND GARDENS	5901 OTTAWA ST, UNIT 5901 RICHMOND ON K0A2Z0	65.9	3
RICHMOND GARDENS	5901 OTTAWA ST, UNIT 5901 RICHMOND ON K0A 2Z0	65.9	3
RICHMOND GARDENS	5901 OTTAWA ST, UNIT 5901 RICHMOND ON K0A2Z0	65.9	3

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 6 SCT site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
R A B DEDESCO LIMITED	5935 OTTAWA ST RICHMOND ON K0A 2Z0	30.1	2
QEL-Quatrosense Environmental	5935 Ottawa St Richmond ON K0A 2Z0	30.1	2
RAB Dedesco Limited	5935 Ottawa St Richmond ON K0A 2Z0	30.1	2

Site	Address	Distance (m)	Map Key
QUATROSENSE ENVIRONMENTAL LTD	5935 OTTAWA ST RICHMOND ON K0A 2Z0	30.1	2
QUATROSENSE ENVIRONMENTAL LTD.	5935 Ottawa St Richmond ON K0A 2Z0	30.1	2
Lalonde Richmond Gardens	5901 Ottawa St Richmond ON K0A 2Z0	65.9	3

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jan 2023; Mar 2023-Dec 2023 has found that there are 2 SPL site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
PRIVATE BUSINESS	5949 OTTAWA ST. IN VILLAGE OF RICHMOND FUEL STORAGE TANK GOULBOURN TOWNSHIP ON	72.3	4
City of Ottawa	52 Chanonhouse Drive, Richmond Ottawa ON	124.7	8

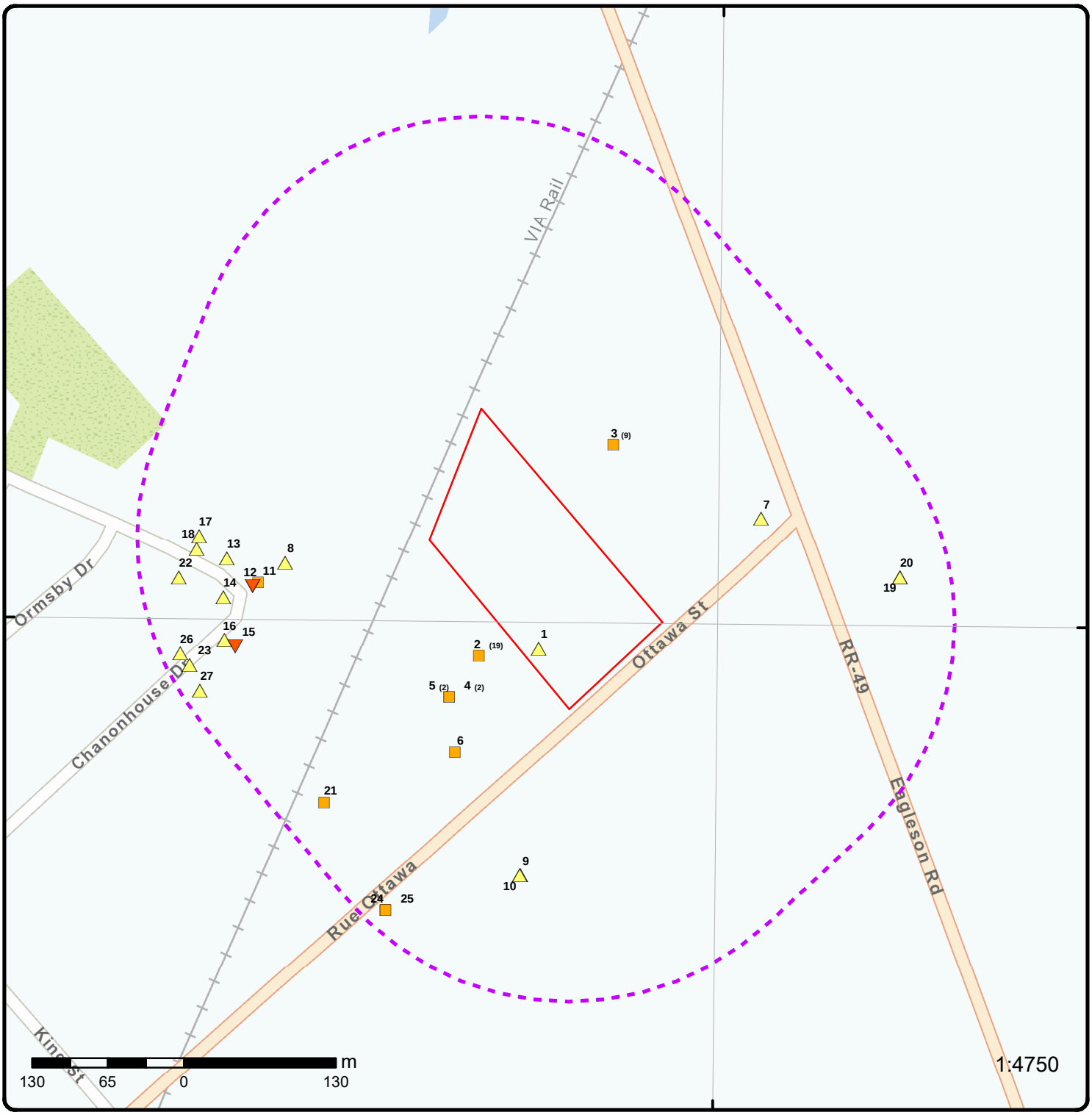
WWIS - Water Well Information System

A search of the WWIS database, dated Mar 31 2023 has found that there are 19 WWIS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON ***Well ID:*** 1514856	0.0	1
	lot 25 con 3 ON ***Well ID:*** 7393852	98.7	6
	lot 26 con 3 ON ***Well ID:*** 1514676	121.4	7

Site	Address	Distance (m)	Map Key
	ON ***Well ID:*** 1509315	147.8	9
	TEST WELL 3, KING STREET lot 25 con 3 RICHMOND ON ***Well ID:*** 1535453	150.6	11
	RICHMOND FOREST LOT 31 lot 25 con 3 RICHMOND ON ***Well ID:*** 7121464	156.2	12
	LOT 33 RICHMOND FOREST lot 25 con 3 RICHMOND ON ***Well ID:*** 7112957	173.8	13
	LOT 13- CHANONHOUSE DRIVE lot 25 con 3 RICHMOND ON ***Well ID:*** 7139891	182.7	14
	RICHMOND FOREST LOT 30 lot 25 con 3 RICHMOND ON ***Well ID:*** 7121463	189.2	15
	LOT 29 RICHMOND FOREST lot 25 con 3 RICHMOND ON ***Well ID:*** 7115740	194.9	16
	LOT 34 RICHMOND FOREST lot 25 con 3 RICHMOND ON ***Well ID:*** 7139835	197.1	17
	LOT 14 RICHMOND FOREST lot 25 con 3 RICHMON ON ***Well ID:*** 7115738	199.2	18
	lot 4 con 6 ON ***Well ID:*** 1506372	206.8	20
	lot 25 con 3 ON ***Well ID:*** 1531908	212.4	21
	LOT 15 RICHMOND FOREST lot 25 con 3 RICHMOND ON	216.4	22

Site	Address	Distance (m)	Map Key
	Well ID: 7139854		
	RICHMOND FOREST LOT 28 lot 25 con 3 RICHMOND ON ***Well ID:*** 7123247	231.1	23
	ON ***Well ID:*** 1509235	232.6	24
	CHANONHOUSE LOT 12 lot 25 con 3 RICHMOND ON ***Well ID:*** 7127126	234.0	26
	CHANONHOUSE DR. LOT 27 lot 25 con 3 RICHMOND ON ***Well ID:*** 7123245	234.5	27

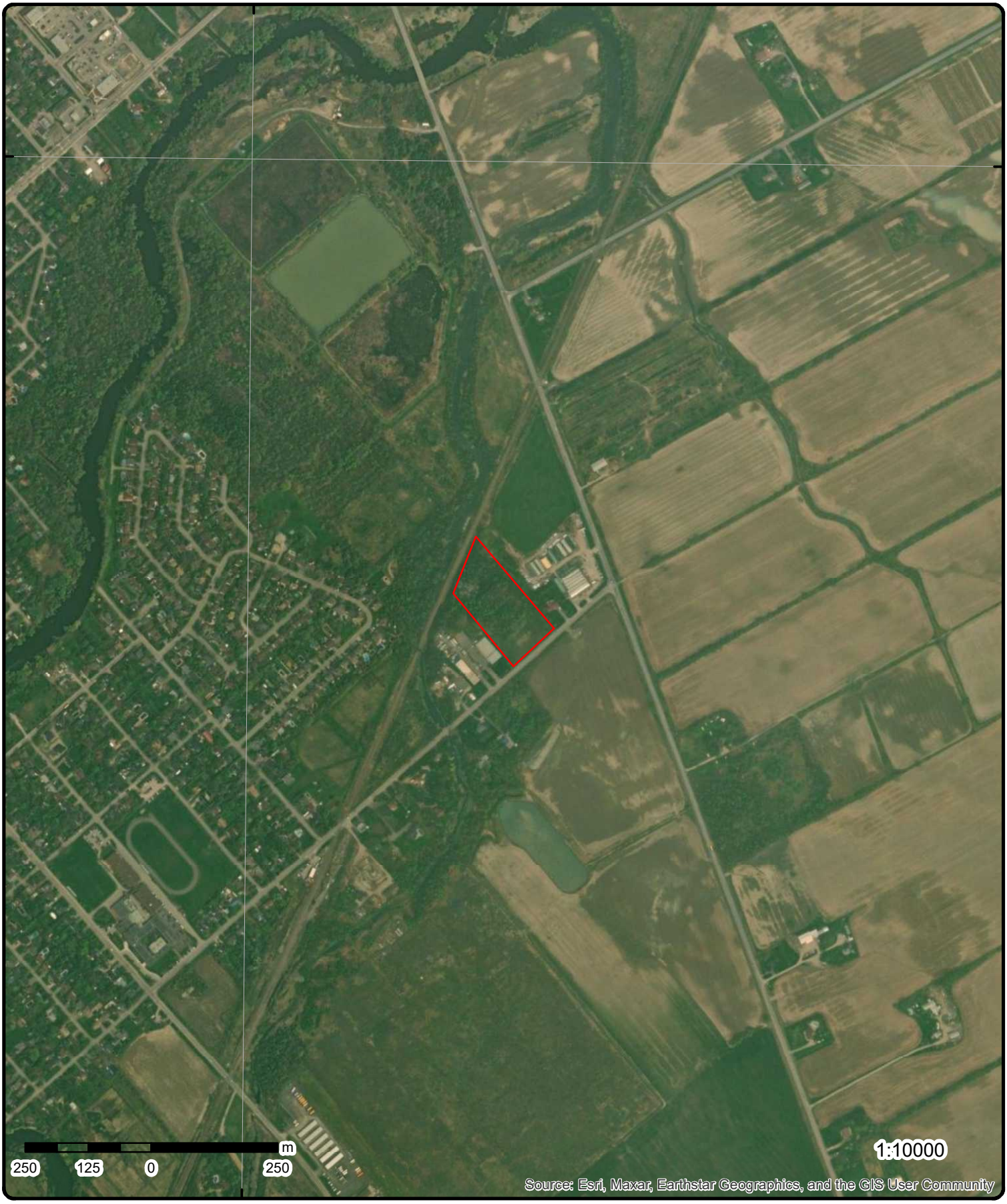


Map: 0.25 Kilometer Radius

Order Number: 24041900018

Address: 5923 Ottawa St., Richmond, ON

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major Arterial; Minor Arterial
- Local Road
- Service Road; Traffic Circle; Ramp
- Rail
- Beach
- Airport
- Industrial Area
- Military Base
- Aircraft Roads
- Native Reservation
- Hospital
- Shopping & Sports Area
- University/College
- Cemetery; Golf Course
- Parkt (National)
- Park (City/County)



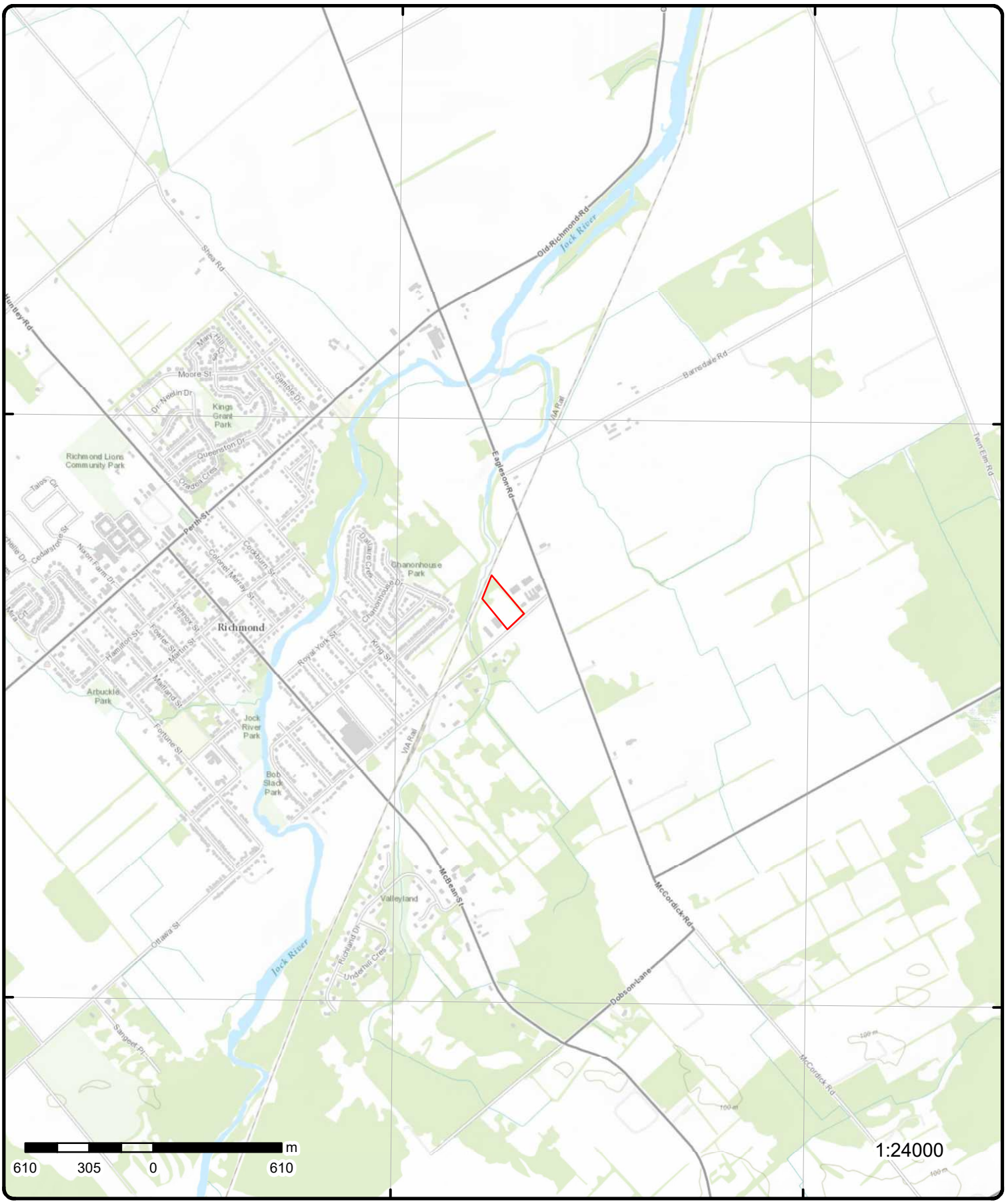
Aerial

Year: 2023

Order Number: 24041900018

Address: 5923 Ottawa St., Richmond, ON

Source: ESRI World Imagery



Topographic Map

Address: 5923 Ottawa St., ON

Source: ESRI World Topographic Map

Order Number: 24041900018

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	S/0.0	93.1 / 0.25	ON	WWIS

Well ID:	1514856	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	08/15/1975
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	3644
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

Municipality: RICHMOND VILLAGE
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1514856.pdf

Additional Detail(s) (Map)

Well Completed Date: 07/31/1975
Year Completed: 1975
Depth (m): 16.764
Latitude: 45.1914649425564
Longitude: -75.8186056992323
Path: 151\1514856.pdf

Bore Hole Information

Bore Hole ID:	10036825	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	435696.60
Code OB Desc:		**North83:**	5004546.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	07/31/1975	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4

Loc Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	931027523
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	15.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931027524
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	15.0
Formation End Depth:	55.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961514856
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10585395
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930065104
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	25.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991514856
Pump Set At:	
Static Level:	6.0
Final Level After Pumping:	30.0
Recommended Pump Depth:	30.0
Pumping Rate:	4.0
Flowing Rate:	
Recommended Pump Rate:	3.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934100668
Test Type:	Draw Down
Test Duration:	15
Test Level:	30.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934384101
Test Type:	Draw Down
Test Duration:	30
Test Level:	30.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934644668
Test Type:	Draw Down
Test Duration:	45
Test Level:	30.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934893793
Test Type:	Draw Down
Test Duration:	60
Test Level:	30.0
Test Level UOM:	ft

Water Details

Water ID:	933470831
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	53.0
Water Found Depth UOM:	ft

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

Links

Bore Hole ID:	10036825	***Tag No:***	
Depth M:	16.764	***Contractor:***	3644
Year Completed:	1975	***Latitude:***	45.1914649425564
Well Completed Dt:	07/31/1975	***Longitude:***	-75.8186056992323
Audit No:		***Y:***	45.191464935909075
Path:	151\1514856.pdf	***X:***	-75.81860553771591

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2 ***1 of 19*** ***SW/30.1*** ***92.9 / 0.00*** ***R A B DEDESCO LIMITED*** ***SCT***
5935 OTTAWA ST
RICHMOND ON K0A 2Z0

Established:	1972
Plant Size (ft²):	18000
Employment:	30

--Details--

Description:	INDUSTRIAL INSTRUMENTS FOR MEASUREMENT, DISPLAY, AND CONTROL OF PROCESS VARIABLES; & RELATED ITEMS
SIC/NAICS Code:	3823
Description:	Measuring, Medical and Controlling Devices Manufacturing
SIC/NAICS Code:	334512

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2 ***2 of 19*** ***SW/30.1*** ***92.9 / 0.00*** ***QUATROSENSE ENVIRONMENTAL LTD*** ***SCT***
5935 OTTAWA ST
RICHMOND ON K0A 2Z0

Established:	1986
Plant Size (ft²):	18000
Employment:	25

--Details--

Description:	MEASURING AND CONTROLLING DEVICES, NOT ELSEWHERE CLASSIFIED
SIC/NAICS Code:	3829
Description:	ORTHOPEDIC, PROSTHETIC, AND SURGICAL APPLIANCES AND SUPPLIES
SIC/NAICS Code:	3842

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2 ***3 of 19*** ***SW/30.1*** ***92.9 / 0.00*** ***QUATROSENSE ENVIRONMENTAL LTD.*** ***SCT***
5935 Ottawa St
Richmond ON K0A 2Z0

Established:	1986
Plant Size (ft²):	18000
Employment:	25

--Details--

Description:	Other Communications Equipment Manufacturing
SIC/NAICS Code:	334290
Description:	Measuring, Medical and Controlling Devices Manufacturing
SIC/NAICS Code:	334512
Description:	Medical Equipment and Supplies Manufacturing
SIC/NAICS Code:	339110

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	4 of 19	SW/30.1	92.9 / 0.00	RAB Dedesco Limited 5935 Ottawa St Richmond ON K0A 2Z0	SCT

Established: 01-JAN-72
Plant Size (ft²): 18000
Employment:

--Details--
Description: Measuring, Medical and Controlling Devices Manufacturing
SIC/NAICS Code: 334512

Description: Measuring, Medical and Controlling Devices Manufacturing
SIC/NAICS Code: 334512

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	5 of 19	SW/30.1	92.9 / 0.00	QEL-Quatrosense Environmental 5935 Ottawa St Richmond ON K0A 2Z0	SCT

Established: 01-JAN-86
Plant Size (ft²): 18000
Employment:

--Details--
Description: Measuring, Medical and Controlling Devices Manufacturing
SIC/NAICS Code: 334512

Description: Other Communications Equipment Manufacturing
SIC/NAICS Code: 334290

Description: Measuring, Medical and Controlling Devices Manufacturing
SIC/NAICS Code: 334512

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	6 of 19	SW/30.1	92.9 / 0.00	QUATROSENSE ENVIRONMENTAL LIMITED 5935 OTTAWA STREET RICHMOND ON K0A 2Z0	GEN

Generator No: ON2636700
SIC Code: 3911
SIC Description: INDICAT., ETC. INST.
Approval Years: 01,02,03,04,05,06,07,08
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	7 of 19	SW/30.1	92.9 / 0.00	QUATROSENSE ENVIRONMENTAL LIMITED 5935 OTTAWA STREET RICHMOND ON K0A 2Z0	GEN

Generator No: ON2636700
SIC Code: 811210
SIC Description: Electronic and Precision Equipment Repair and Maintenance
Approval Years: 2009
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	8 of 19	SW/30.1	92.9 / 0.00	5935 Ottawa Street Richmond ON	EHS

Order No: 20120620029
Status: C
Report Type: Custom Report
Report Date: 26-JUN-12
Date Received: 20-JUN-12
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:
Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.819994
Y: 45.189918

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	9 of 19	SW/30.1	92.9 / 0.00	QUATROSENSE ENVIRONMENTAL LIMITED 5935 OTTAWA STREET RICHMOND ON K0A 2Z0	GEN

Generator No: ON2636700
SIC Code: 811210
SIC Description: Electronic and Precision Equipment Repair and Maintenance
Approval Years: 2010
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	10 of 19	SW/30.1	92.9 / 0.00	QUATROSENSE ENVIRONMENTAL LIMITED 5935 OTTAWA STREET RICHMOND ON K0A 2Z0	GEN

Generator No: ON2636700
SIC Code: 811210
SIC Description: Electronic and Precision Equipment Repair and Maintenance
Approval Years: 2011
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	11 of 19	SW/30.1	92.9 / 0.00	QUATROSENSE ENVIRONMENTAL LIMITED 5935 OTTAWA STREET RICHMOND ON K0A 2Z0	GEN

Generator No: ON2636700
SIC Code: 811210
SIC Description: Electronic and Precision Equipment Repair and Maintenance
Approval Years: 2012
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	12 of 19	SW/30.1	92.9 / 0.00	QUATROSENSE ENVIRONMENTAL LIMITED 5935 OTTAWA STREET RICHMOND ON	GEN

Generator No: ON2636700
SIC Code: 811210
SIC Description: ELECTRONIC AND PRECISION EQUIPMENT REPAIR AND MAINTENANCE
Approval Years: 2013
PO Box No:
Country:
Status:
Co Admin:

Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

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2 | ***13 of 19*** | ***SW/30.1*** | ***92.9 / 0.00*** | ***QUATROSENSE ENVIRONMENTAL LIMITED***
5935 OTTAWA STREET
RICHMOND ON K0A 2Z0 | ***GEN***

Generator No: ON2636700
SIC Code: 811210
SIC Description: ELECTRONIC AND PRECISION EQUIPMENT REPAIR AND MAINTENANCE
Approval Years: 2016
PO Box No:
Country: Canada
Status:
Co Admin:
Choice of Contact: CO_OFFICIAL
Phone No Admin:
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

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2 | ***14 of 19*** | ***SW/30.1*** | ***92.9 / 0.00*** | ***QUATROSENSE ENVIRONMENTAL LIMITED***
5935 OTTAWA STREET
RICHMOND ON K0A 2Z0 | ***GEN***

Generator No: ON2636700
SIC Code: 811210
SIC Description: ELECTRONIC AND PRECISION EQUIPMENT REPAIR AND MAINTENANCE
Approval Years: 2015
PO Box No:
Country: Canada
Status:
Co Admin:
Choice of Contact: CO_OFFICIAL
Phone No Admin:
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	15 of 19	SW/30.1	92.9 / 0.00	QUATROSENSE ENVIRONMENTAL LIMITED 5935 OTTAWA STREET RICHMOND ON K0A 2Z0	GEN

Generator No: ON2636700
SIC Code: 811210
SIC Description: ELECTRONIC AND PRECISION EQUIPMENT REPAIR AND MAINTENANCE
Approval Years: 2014
PO Box No:
Country: Canada
Status:
Co Admin:
Choice of Contact: CO_OFFICIAL
Phone No Admin:
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	16 of 19	SW/30.1	92.9 / 0.00	QUATROSENSE ENVIRONMENTAL LIMITED 5935 OTTAWA STREET RICHMOND ON K0A 2Z0	GEN

Generator No: ON2636700
SIC Code:
SIC Description:
Approval Years: As of Dec 2018
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 212 I
Waste Class Name: Aliphatic solvents and residues

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	17 of 19	SW/30.1	92.9 / 0.00	QUATROSENSE ENVIRONMENTAL LIMITED 5935 OTTAWA STREET RICHMOND ON K0A 2Z0	GEN

Generator No: ON2636700
SIC Code:
SIC Description:
Approval Years: As of Jul 2020
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:

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

Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 212 I
Waste Class Name: Aliphatic solvents and residues

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	18 of 19	SW/30.1	92.9 / 0.00	QUATROSENSE ENVIRONMENTAL LIMITED 5935 OTTAWA STREET RICHMOND ON K0A 2Z0	GEN

Generator No: ON2636700
SIC Code:
SIC Description:
Approval Years: As of Nov 2021
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 212 I
Waste Class Name: Aliphatic solvents and residues

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	19 of 19	SW/30.1	92.9 / 0.00	QUATROSENSE ENVIRONMENTAL LIMITED 5935 OTTAWA STREET RICHMOND ON K0A 2Z0	GEN

Generator No: ON2636700
SIC Code:
SIC Description:
Approval Years: As of Oct 2022
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 212 I
Waste Class Name: ALIPHATIC SOLVENTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	1 of 9	NE/65.9	92.9 / 0.00	RICHMOND GARDENS 5901 OTTAWA ST, UNIT 5901 RICHMOND ON K0A 2Z0	PES

Detail Licence No:
Licence No:
Status:
Approval Date:
Report Source:
Operator Box:
Operator Class:
Operator No:
Operator Type:
Oper Area Code:

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

Licence Type: Limited Vendor
Licence Type Code: 23
Licence Class:
Licence Control:
Latitude:
Longitude:
Lot:
Concession:
Region:
District:
County:
Trade Name:
PDF URL:

Oper Phone No:
Operator Ext:
Operator Lot:
Oper Concession:
Operator Region:
Operator District:
Operator County:
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

---

3 | ***2 of 9*** | ***NE/65.9*** | ***92.9 / 0.00*** | ***RICHMOND GARDENS***
5901 OTTAWA ST, UNIT 5901
RICHMOND ON K0A2Z0 | ***PES***

Detail Licence No:
Licence No:
Status:
Approval Date:
Report Source:
Licence Type: Vendor
Licence Type Code:
Licence Class:
Licence Control:
Latitude:
Longitude:
Lot:
Concession:
Region:
District:
County:
Trade Name:
PDF URL:

Operator Box: 259
Operator Class:
Operator No:
Operator Type:
Oper Area Code:
Oper Phone No:
Operator Ext:
Operator Lot:
Oper Concession:
Operator Region:
Operator District:
Operator County:
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

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3 | ***3 of 9*** | ***NE/65.9*** | ***92.9 / 0.00*** | ***Lalonde Richmond Gardens***
5901 Ottawa St
Richmond ON K0A 2Z0 | ***SCT***

Established: 01-JUL-68
Plant Size (ft²): 70000
Employment:

--Details--
Description: Floriculture Production
SIC/NAICS Code: 111422

Description: Nursery and Tree Production
SIC/NAICS Code: 111421

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3 | ***4 of 9*** | ***NE/65.9*** | ***92.9 / 0.00*** | ***RICHMOND GARDENS***
5901 OTTAWA ST, UNIT 5901
RICHMOND ON K0A 2Z0 | ***PES***

Detail Licence No: 23-01-13347-0
Licence No:
Status:
Approval Date:

Operator Box: 259
Operator Class:
Operator No:
Operator Type:

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

Report Source:		**Oper Area Code:**		
Licence Type:	LIMITED	**Oper Phone No:**		
Licence Type Code:		**Operator Ext:**		
Licence Class:		**Operator Lot:**		
Licence Control:		**Oper Concession:**		
Latitude:		**Operator Region:**		
Longitude:		**Operator District:**		
Lot:		**Operator County:**		
Concession:		**Op Municipality:**		
Region:		**Post Office Box:**		
District:		**MOE District:**		
County:		**SWP Area Name:**		
Trade Name:				
PDF URL:				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	5 of 9	NE/65.9	92.9 / 0.00	5901 Ottawa St Ottawa ON K0A2Z0	EHS

Order No:	20130730008	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	07-AUG-13	**Search Radius (km):**	.25
Date Received:	31-JUL-13	**X:**	-75.817813
Previous Site Name:		**Y:**	45.193036
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	6 of 9	NE/65.9	92.9 / 0.00	CREEK SIDE GARDENS INC. O/A CREEKSIDE GARDENS 5901 OTTAWA ST RICHMOND ON K0A2Z0	PES

Detail Licence No:		**Operator Box:**	
Licence No:	16817	**Operator Class:**	
Status:		**Operator No:**	
Approval Date:		**Operator Type:**	
Report Source:	Legacy Licenses (Excluding TS)	**Oper Area Code:**	613
Licence Type:	General Vendor	**Oper Phone No:**	8385959
Licence Type Code:	22	**Operator Ext:**	
Licence Class:	01	**Operator Lot:**	
Licence Control:		**Oper Concession:**	
Latitude:		**Operator Region:**	
Longitude:		**Operator District:**	
Lot:		**Operator County:**	
Concession:		**Op Municipality:**	
Region:		**Post Office Box:**	
District:		**MOE District:**	
County:		**SWP Area Name:**	
Trade Name:			
PDF URL:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	7 of 9	NE/65.9	92.9 / 0.00	RITCHIE FEED AND SEED INC 5901 OTTAWA ST RICHMOND ON K0A2Z0	PES

Detail Licence No:		**Operator Box:**	
Licence No:	17995	**Operator Class:**	
Status:		**Operator No:**	
Approval Date:		**Operator Type:**	
Report Source:	Legacy Licenses (Excluding TS)	**Oper Area Code:**	613

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

Licence Type:	General Vendor	**Oper Phone No:**	8385959	
Licence Type Code:	22	**Operator Ext:**		
Licence Class:	01	**Operator Lot:**		
Licence Control:		**Oper Concession:**		
Latitude:		**Operator Region:**		
Longitude:		**Operator District:**		
Lot:		**Operator County:**		
Concession:		**Op Municipality:**		
Region:		**Post Office Box:**		
District:		**MOE District:**		
County:		**SWP Area Name:**		
Trade Name:				
PDF URL:				

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3 | ***8 of 9*** | ***NE/65.9*** | ***92.9 / 0.00*** | ***RICHMOND GARDENS***
5901 OTTAWA ST, UNIT 5901
RICHMOND ON K0A2Z0 | ***PES***

Detail Licence No:		**Operator Box:**	259
Licence No:	13347	**Operator Class:**	
Status:		**Operator No:**	
Approval Date:		**Operator Type:**	
Report Source:	Legacy Licenses (Excluding TS)	**Oper Area Code:**	613
Licence Type:	Limited Vendor	**Oper Phone No:**	8385959
Licence Type Code:	23	**Operator Ext:**	
Licence Class:	01	**Operator Lot:**	
Licence Control:		**Oper Concession:**	
Latitude:		**Operator Region:**	
Longitude:		**Operator District:**	
Lot:		**Operator County:**	
Concession:		**Op Municipality:**	
Region:		**Post Office Box:**	
District:		**MOE District:**	
County:		**SWP Area Name:**	
Trade Name:			
PDF URL:			

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3 | ***9 of 9*** | ***NE/65.9*** | ***92.9 / 0.00*** | ***5901 OTTAWA ST***
OTTAWA ON K0A 2Z0 | ***PES***

Detail Licence No:		**Operator Box:**	
Licence No:	L-231-3133442639	**Operator Class:**	
Status:	Active	**Operator No:**	
Approval Date:	2021-06-09	**Operator Type:**	
Report Source:	PEST-General Vendor	**Oper Area Code:**	
Licence Type:	General Vendor	**Oper Phone No:**	
Licence Type Code:		**Operator Ext:**	
Licence Class:		**Operator Lot:**	
Licence Control:		**Oper Concession:**	
Latitude:	45.19333333	**Operator Region:**	
Longitude:	-75.8175	**Operator District:**	
Lot:		**Operator County:**	
Concession:		**Op Municipality:**	
Region:		**Post Office Box:**	
District:		**MOE District:**	Ottawa
County:		**SWP Area Name:**	Rideau Valley
Trade Name:			
PDF URL:	http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2419092		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	1 of 2	SW/72.3	92.9 / 0.00	PRIVATE BUSINESS 5949 OTTAWA ST. IN VILLAGE OF RICHMOND FUEL STORAGE TANK GOULBOURN TOWNSHIP ON	SPL

Ref No: 83946
Year:
Incident Dt: 4/10/1993
Dt MOE Arvl on Scn:
MOE Reported Dt: 4/12/1993
Dt Document Closed:
Site No:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name:
Site Address:
Site Region:
Site Municipality: GOULBOURN TOWNSHIP
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Incident Cause: ABOVE-GROUND TANK LEAK
Incident Event:
Environment Impact: CONFIRMED
Nature of Impact: Soil contamination
Contaminant Qty:
System Facility Address:
Client Name:
Client Type:
Source Type:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
Incident Reason: ICE/FROST DAMAGE
Incident Summary: PRIVATE BUSINESS - 900 L OF FURNACE OIL TO GROUND FROM STORAGE TANK.
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	2 of 2	SW/72.3	92.9 / 0.00	405295 Ontario Limited 5949 Ottawa Street Ottawa ON	CA

Certificate #: 4647-5XLQLF
Application Year: 2004
Issue Date: 4/1/2004
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:

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

Client Postal Code:
Project Description:
Contaminants:
Emission Control:

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5 *1 of 2* *SW/72.3* *92.9 / 0.00* ***405295 ONTARIO LIMITED*** ***EASR***
5949 PO BOX 490, OTTAWA STREET
RICHMOND ON K0A 2Z0

Approval No:	R-001-1241161883	**MOE District:**	
Status:	REGISTERED	**Municipality:**	RICHMOND
Date:	2012-10-25	**Latitude:**	
Record Type:	EASR	**Longitude:**	
Link Source:	MOFA	**Geometry X:**	
Project Type:	Automotive Refinishing Facility	**Geometry Y:**	
Full Address:			
Approval Type:	EASR-Automotive Refinishing Facility		
SWP Area Name:			
PDF URL:			
PDF Site Location:			

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5 *2 of 2* *SW/72.3* *92.9 / 0.00* ***405295 Ontario Limited*** ***ECA***
5949 Ottawa Street
Ottawa ON K0A 2Z0

Approval No:	4647-5XLQLF	**MOE District:**	Ottawa
Approval Date:	2004-04-01	**City:**	
Status:	Approved	**Longitude:**	-75.81955
Record Type:	ECA	**Latitude:**	45.19112
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	Rideau Valley	**Geometry Y:**	
Approval Type:	ECA-AIR		
Project Type:	AIR		
Business Name:	405295 Ontario Limited		
Address:	5949 Ottawa Street		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/1047-5Q8P57-14.pdf		
PDF Site Location:			

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6 *1 of 1* *SSW/98.7* *92.9 / 0.00* ***lot 25 con 3*** ***WWIS***
ON

Well ID:	7393852	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:		**Data Entry Status:**	Yes
Use 2nd:		**Data Src:**	
Final Well Status:		**Date Received:**	07/28/2021
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z355197	**Contractor:**	7681
Tag:	A320977	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	025
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

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

Municipality: GOULBOURN TOWNSHIP
Site Info:

Bore Hole Information

Bore Hole ID:	1008730032	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	435625.00
Code OB Desc:		**North83:**	5004457.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	06/08/2021	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Links

Bore Hole ID:	1008730032	**Tag No:**	A320977
Depth M:		**Contractor:**	7681
Year Completed:	2021	**Latitude:**	45.190657343557
Well Completed Dt:	06/08/2021	**Longitude:**	-75.8195056030981
Audit No:	Z355197	**Y:**	45.19065733740316
Path:	739\7393852.pdf	**X:**	-75.81950544189033

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7 | **1 of 1** | **E/121.4** | **93.9 / 1.00** | **lot 26 con 3 ON** | **WWIS**

Well ID:	1514676	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Commerical	**Data Entry Status:**	
Use 2nd:	Domestic	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	05/29/1975
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	3644
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	026
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

Municipality: GOULBOURN TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1514676.pdf

Additional Detail(s) (Map)

Well Completed Date:	03/17/1975
Year Completed:	1975
Depth (m):	28.956

Latitude:	45.192481340457
Longitude:	-75.8162001847294
Path:	151\1514676.pdf

Bore Hole Information

Bore Hole ID:	10036646	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	435886.70
Code OB Desc:		**North83:**	5004657.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	03/17/1975	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Loc Method Desc:	Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931026950
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	45.0
Formation End Depth:	95.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931026948
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	4.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931026949
Layer:	3

Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	10.0
Formation End Depth:	45.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931026947
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	02
Mat2 Desc:	TOPSOIL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	4.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961514676
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10585216
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930064771
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	48.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991514676
Pump Set At:	
Static Level:	4.0

Final Level After Pumping:	50.0
Recommended Pump Depth:	50.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	10.0
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

Draw Down & Recovery

Pump Test Detail ID:	934100496
Test Type:	Draw Down
Test Duration:	15
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934644082
Test Type:	Draw Down
Test Duration:	45
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934901969
Test Type:	Draw Down
Test Duration:	60
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934383512
Test Type:	Draw Down
Test Duration:	30
Test Level:	50.0
Test Level UOM:	ft

Water Details

Water ID:	933470604
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	94.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933470603
Layer:	1
Kind Code:	1
Kind:	FRESH

Water Found Depth:	60.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10036646	**Tag No:**	
Depth M:	28.956	**Contractor:**	3644
Year Completed:	1975	**Latitude:**	45.192481340457
Well Completed Dt:	03/17/1975	**Longitude:**	-75.8162001847294
Audit No:		**Y:**	45.192481332865135
Path:	151\1514676.pdf	**X:**	-75.81620002436779

8 | ***1 of 1*** | ***W/124.7*** | ***92.9 / 0.03*** | ***City of Ottawa 52 Chanonhouse Drive, Richmond Ottawa ON*** | ***SPL***

Ref No:	8348-BCYK7Z	**Municipality No:**	
Year:		**Nature of Damage:**	
Incident Dt:	6/9/2019	**Discharger Report:**	
Dt MOE Arvl on Scn:		**Material Group:**	
MOE Reported Dt:	6/12/2019	**Health/Env Conseq:**	2 - Minor Environment
Dt Document Closed:		**Agency Involved:**	

Site No:	NA
MOE Response:	No
Site County/District:	
Site Geo Ref Meth:	
Site District Office:	Ottawa
Nearest Watercourse:	
Site Name:	Complainant's Residence<UNOFFICIAL>
Site Address:	52 Chanonhouse Drive, Richmond
Site Region:	Eastern
Site Municipality:	Ottawa
Site Lot:	
Site Conc:	
Site Geo Ref Accu:	
Site Map Datum:	
Northing:	
Easting:	
Incident Cause:	
Incident Event:	
Environment Impact:	
Nature of Impact:	
Contaminant Qty:	
System Facility Address:	
Client Name:	City of Ottawa
Client Type:	Municipal Government
Source Type:	
Contaminant Code:	
Contaminant Name:	
Contaminant Limit 1:	
Contam Limit Freq 1:	
Contaminant UN No 1:	
Receiving Medium:	
Incident Reason:	
Incident Summary:	City of Ottawa: Odour complaint from member of the public
Activity Preceding Spill:	
Property 2nd Watershed:	
Property Tertiary Watershed:	
Sector Type:	
SAC Action Class:	Pollution Incident Reports (PIRs) and "Other" calls
Call Report Locatn Geodata:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	1 of 1	S/147.8	94.7 / 1.86	ON	WWIS

Well ID:	1509315	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	09/19/1967
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1503
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	RICHMOND VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509315.pdf

Additional Detail(s) (Map)

Well Completed Date:	08/25/1967
Year Completed:	1967
Depth (m):	18.288
Latitude:	45.1897173549278
Longitude:	-75.8187830533332
Path:	150\1509315.pdf

Bore Hole Information

Bore Hole ID:	10031348	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	435680.70
Code OB Desc:		**North83:**	5004352.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	08/25/1967	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Loc Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931011912
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 15.0
Formation End Depth: 22.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931011911
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 15.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931011913
Layer: 3
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 22.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961509315
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10579918
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930055347
Layer: 1
Material: 1

Open Hole or Material:	STEEL
Depth From:	
Depth To:	26.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930055348
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	60.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991509315
Pump Set At:	
Static Level:	10.0
Final Level After Pumping:	12.0
Recommended Pump Depth:	35.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933464137
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	58.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10031348	***Tag No:***	
Depth M:	18.288	***Contractor:***	1503
Year Completed:	1967	***Latitude:***	45.1897173549278
Well Completed Dt:	08/25/1967	***Longitude:***	-75.8187830533332
Audit No:		***Y:***	45.189717348027784
Path:	150\1509315.pdf	***X:***	-75.81878289219105

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10 ***1 of 1*** ***S/147.9*** ***94.7 / 1.86*** ***ON*** ***BORE***

Borehole ID:	610324	***Inclin FLG:***	No
OGF ID:	215511839	***SP Status:***	Initial Entry

Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	AUG-1967	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.189717
Total Depth m:	18.3	**Longitude DD:**	-75.818784
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	435681
Drill Method:		**Northing:**	5004352
Orig Ground Elev m:	94.5	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	94.3		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218385273	**Mat Consistency:**	
Top Depth:	4.6	**Material Moisture:**	
Bottom Depth:	6.7	**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:	218385274	**Mat Consistency:**	Dense
Top Depth:	6.7	**Material Moisture:**	
Bottom Depth:	18.3	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Limestone	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	LIMESTONE. 00058SAND,TILL. BROWN,DENSE TO VERY DENSE. 00004049DENSE TO VERY DENSE. 0003504 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218385272	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	4.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY.		

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:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 02832 NTS_Sheet:		

Confiden 1:

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		

11 ***1 of 1*** ***W/150.6*** ***92.9 / 0.00*** ***TEST WELL 3, KING STREET lot 25 con 3 RICHMOND ON*** ***WWIS***

Well ID:	1535453	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	
Final Well Status:	Water Supply	***Date Received:***	05/18/2005
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	Z13768	***Contractor:***	1558
Tag:	A013675	***Form Version:***	3
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	025
Depth to Bedrock:		***Concession:***	03
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	RICHMOND VILLAGE (GOULBOURN)		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1535453.pdf

Additional Detail(s) (Map)

Well Completed Date:	03/16/2005
Year Completed:	2005
Depth (m):	22.25
Latitude:	45.191947079516
Longitude:	-75.8216628333917
Path:	153\1535453.pdf

Bore Hole Information

Bore Hole ID:	11315992	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	435457.00
Code OB Desc:		***North83:***	5004602.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	03/16/2005	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			

Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 932996365
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 2.430000066757202
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 932996368
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 18.59000015258789
Formation End Depth: 22.25
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 932996367
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 74
Mat2 Desc: LAYERED
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 4.260000228881836
Formation End Depth: 18.59000015258789
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 932996366
Layer: 2
Color: 6
General Color: BROWN
Mat1: 14

Most Common Material:	HARDPAN
Mat2:	74
Mat2 Desc:	LAYERED
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	2.430000066757202
Formation End Depth:	4.260000228881836
Formation End Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	961535453
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	11330847
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930855246
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-0.44999998807907104
Depth To:	6.400000095367432
Casing Diameter:	15.859999656677246
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Casing

Casing ID:	930855247
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	6.400000095367432
Depth To:	22.239999771118164
Casing Diameter:	
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	991535453
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1

Water State After Test:	CLEAR
Pumping Test Method:	
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Water Details

Water ID:	934059675
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	8.529999732971191
Water Found Depth UOM:	m

Water Details

Water ID:	934059677
Layer:	3
Kind Code:	
Kind:	
Water Found Depth:	16.149999618530273
Water Found Depth UOM:	m

Water Details

Water ID:	934059676
Layer:	2
Kind Code:	
Kind:	
Water Found Depth:	12.489999771118164
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	11533470
Diameter:	22.75
Depth From:	0.0
Depth To:	6.400000095367432
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	11533469
Diameter:	15.390000343322754
Depth From:	6.400000095367432
Depth To:	22.239999771118164
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Links

Bore Hole ID:	11315992	***Tag No:***	A013675
Depth M:	22.25	***Contractor:***	1558
Year Completed:	2005	***Latitude:***	45.191947079516
Well Completed Dt:	03/16/2005	***Longitude:***	-75.8216628333917
Audit No:	Z13768	***Y:***	45.1919470732238
Path:	153\1535453.pdf	***X:***	-75.82166267245981

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
12	1 of 1	W/156.2	92.8 / -0.03	RICHMOND FOREST LOT 31 lot 25 con 3 RICHMOND ON	WWIS

Well ID:	7121464	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Water Supply	**Date Received:**	04/06/2009
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z095338	**Contractor:**	1558
Tag:	A068288	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	025
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7121464.pdf

Additional Detail(s) (Map)

Well Completed Date:	03/05/2009
Year Completed:	2009
Depth (m):	45.1
Latitude:	45.1919196194982
Longitude:	-75.8217260905934
Path:	712\7121464.pdf

Bore Hole Information

Bore Hole ID:	1002038797	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	435452.00
Code OB Desc:		**North83:**	5004599.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	03/05/2009	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1002521285
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL

Mat2: 81
Mat2 Desc: SANDY
Mat3: 12
Mat3 Desc: STONES
Formation Top Depth: 0.0
Formation End Depth: 4.260000228881836
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1002521286
Layer: 2
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Mat2 Desc: BOULDERS
Mat3: 79
Mat3 Desc: PACKED
Formation Top Depth: 4.260000228881836
Formation End Depth: 7.010000228881836
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1002521287
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3: 78
Mat3 Desc: MEDIUM-GRAINED
Formation Top Depth: 7.010000228881836
Formation End Depth: 45.099998474121094
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1002521290
Layer: 1
Plug From: 8.829999923706055
Plug To: 0.0
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1002521312
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction: ROTARY AIR

Pipe Information

Pipe ID: 1002521283

Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002521292
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: -0.44999998807907104
Depth To: 8.829999923706055
Casing Diameter: 15.859999656677246
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002521293
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1002521284
Pump Set At: 30.469999313354492
Static Level: 3.950000047683716
Final Level After Pumping: 7.78000020980835
Recommended Pump Depth: 22.850000381469727
Pumping Rate: 54.599998474121094
Flowing Rate:
Recommended Pump Rate: 45.5
Levels UOM: m
Rate UOM: LPM
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: 1002521302
Test Type: Draw Down
Test Duration: 5
Test Level: 6.769999980926514
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521295
Test Type: Recovery
Test Duration: 1
Test Level: 5.619999885559082

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521299
Test Type: Recovery
Test Duration: 3
Test Level: 4.039999961853027
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521298
Test Type: Draw Down
Test Duration: 3
Test Level: 6.239999771118164
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521294
Test Type: Draw Down
Test Duration: 1
Test Level: 5.300000190734863
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521296
Test Type: Draw Down
Test Duration: 2
Test Level: 5.840000152587891
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521300
Test Type: Draw Down
Test Duration: 4
Test Level: 6.53000020980835
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521308
Test Type: Draw Down
Test Duration: 40
Test Level: 7.679999828338623
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521301
Test Type: Recovery
Test Duration: 4
Test Level: 3.930000066757202
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521309
Test Type: Draw Down
Test Duration: 50
Test Level: 7.730000019073486
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521297
Test Type: Recovery
Test Duration: 2
Test Level: 4.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521304
Test Type: Draw Down
Test Duration: 15
Test Level: 7.369999885559082
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521306
Test Type: Draw Down
Test Duration: 25
Test Level: 7.579999923706055
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521303
Test Type: Draw Down
Test Duration: 10
Test Level: 7.170000076293945
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521305
Test Type: Draw Down
Test Duration: 20
Test Level: 7.489999771118164
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521307
Test Type: Draw Down
Test Duration: 30
Test Level: 7.639999866485596
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521310
Test Type: Draw Down
Test Duration: 60

Test Level:	7.78000020980835
Test Level UOM:	m

Water Details

Water ID:	1002521291
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	43.27000045776367
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1002521289
Diameter:	15.229999542236328
Depth From:	8.829999923706055
Depth To:	45.099998474121094
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	1002521288
Diameter:	15.859999656677246
Depth From:	0.0
Depth To:	8.829999923706055
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Links

Bore Hole ID:	1002038797	**Tag No:**	A068288
Depth M:	45.1	**Contractor:**	1558
Year Completed:	2009	**Latitude:**	45.1919196194982
Well Completed Dt:	03/05/2009	**Longitude:**	-75.8217260905934
Audit No:	Z095338	**Y:**	45.19191961241
Path:	712\7121464.pdf	**X:**	-75.82172593000689

13 | ***1 of 1*** | ***W/173.8*** | ***93.6 / 0.69*** | ***LOT 33 RICHMOND FOREST lot 25 con 3 RICHMOND ON*** | ***WWIS***

Well ID:	7112957	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Water Supply	**Date Received:**	10/14/2008
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z77400	**Contractor:**	1558
Tag:	A051482	**Form Version:**	4
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	025
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/711\7112957.pdf

Additional Detail(s) (Map)

Well Completed Date: 07/22/2008
Year Completed: 2008
Depth (m): 29.86
Latitude: 45.192133620873
Longitude: -75.8220092417061
Path: 711\7112957.pdf

Bore Hole Information

Bore Hole ID: 1001835810
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 07/22/2008
Remarks:
Loc Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 435430.00
North83: 5004623.00
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1001843387
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3: 79
Mat3 Desc: PACKED
Formation Top Depth: 0.0
Formation End Depth: 6.090000152587891
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1001843389
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3: 78
Mat3 Desc: MEDIUM-GRAINED
Formation Top Depth: 8.220000267028809

Formation End Depth: 29.860000610351562
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1001843388
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3: 71
Mat3 Desc: FRACTURED
Formation Top Depth: 6.090000152587891
Formation End Depth: 8.220000267028809
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1001843391
Layer: 1
Plug From: 9.140000343322754
Plug To: 0.0
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1001843422
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction: AIR PERCUSSION

Pipe Information

Pipe ID: 1001843385
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1001843393
Layer:
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: -0.44999998807907104
Casing Diameter: 15.859999656677246
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1001843394
Layer:
Slot:

Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM:
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:	SUBMERGE
Pump Test ID:	1001843386
Pump Set At:	18.280000686645508
Static Level:	3.869999885559082
Final Level After Pumping:	6.090000152587891
Recommended Pump Depth:	15.229999542236328
Pumping Rate:	54.599998474121094
Flowing Rate:	
Recommended Pump Rate:	45.5
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	4
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	1001843409
Test Type:	Draw Down
Test Duration:	20
Test Level:	6.03000020980835
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1001843411
Test Type:	Draw Down
Test Duration:	25
Test Level:	6.050000190734863
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1001843400
Test Type:	Recovery
Test Duration:	3
Test Level:	4.090000152587891
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1001843401
Test Type:	Draw Down
Test Duration:	4
Test Level:	5.809999942779541
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID: 1001843404
Test Type: Recovery
Test Duration: 5
Test Level: 4.019999980926514
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001843412
Test Type: Recovery
Test Duration: 25
Test Level: 3.9200000762939453
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001843418
Test Type: Recovery
Test Duration: 50
Test Level: 3.9000000953674316
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001843397
Test Type: Draw Down
Test Duration: 2
Test Level: 5.539999961853027
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001843403
Test Type: Draw Down
Test Duration: 5
Test Level: 5.860000133514404
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001843420
Test Type: Recovery
Test Duration: 60
Test Level: 3.890000104904175
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001843406
Test Type: Recovery
Test Duration: 10
Test Level: 3.9600000381469727
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001843413
Test Type: Draw Down
Test Duration: 30
Test Level: 6.070000171661377

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001843415
Test Type: Draw Down
Test Duration: 40
Test Level: 6.079999923706055
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001843419
Test Type: Draw Down
Test Duration: 60
Test Level: 6.090000152587891
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001843395
Test Type: Draw Down
Test Duration: 1
Test Level: 5.130000114440918
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001843399
Test Type: Draw Down
Test Duration: 3
Test Level: 5.710000038146973
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001843410
Test Type: Recovery
Test Duration: 20
Test Level: 3.930000066757202
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001843405
Test Type: Draw Down
Test Duration: 10
Test Level: 5.960000038146973
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001843414
Test Type: Recovery
Test Duration: 30
Test Level: 3.9100000858306885
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001843417
Test Type: Draw Down
Test Duration: 50
Test Level: 6.090000152587891
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001843402
Test Type: Recovery
Test Duration: 4
Test Level: 4.050000190734863
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001843408
Test Type: Recovery
Test Duration: 15
Test Level: 3.940000057220459
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001843416
Test Type: Recovery
Test Duration: 40
Test Level: 3.9000000953674316
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001843396
Test Type: Recovery
Test Duration: 1
Test Level: 4.420000076293945
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001843398
Test Type: Recovery
Test Duration: 2
Test Level: 4.150000095367432
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001843407
Test Type: Draw Down
Test Duration: 15
Test Level: 6.010000228881836
Test Level UOM: m

Water Details

Water ID: 1001843392
Layer: 1
Kind Code: 5

Kind: Not stated
Water Found Depth: 27.729999542236328
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1001843390
Diameter: 15.390000343322754
Depth From:
Depth To: 29.860000610351562
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

Bore Hole ID: 1001835810
Depth M: 29.86
Year Completed: 2008
Well Completed Dt: 07/22/2008
Audit No: Z77400
Path: 711\7112957.pdf
Tag No: A051482
Contractor: 1558
Latitude: 45.192133620873
Longitude: -75.8220092417061
Y: 45.192133614238976
X: -75.82200908066946

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14 | **1 of 1** | **W/182.7** | **93.6 / 0.69** | **LOT 13- CHANONHOUSE DRIVE lot 25 con 3 RICHMOND ON** | **WWIS**

Well ID: 7139891
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: Z101702
Tag: A076840
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GOULBOURN TOWNSHIP
Site Info:
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 02/16/2010
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot: 025
Concession: 03
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/713\7139891.pdf

Additional Detail(s) (Map)

Well Completed Date: 08/04/2009
Year Completed: 2009
Depth (m): 37.48
Latitude: 45.1918363230608
Longitude: -75.8220431531583
Path: 713\7139891.pdf

Bore Hole Information

Bore Hole ID: 1002937951
DP2BR:
Spatial Status:
Elevation:
Elevrc:
Zone: 18

Code OB:		***East83:***	435427.00
Code OB Desc:		***North83:***	5004590.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	08/04/2009	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1003108647
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	78
Mat3 Desc:	MEDIUM-GRAINED
Formation Top Depth:	5.480000019073486
Formation End Depth:	37.47999954223633
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1003108645
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	4.260000228881836
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1003108646
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	74
Mat2 Desc:	LAYERED
Mat3:	71
Mat3 Desc:	FRACTURED
Formation Top Depth:	4.260000228881836
Formation End Depth:	5.480000019073486

Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1003108650
Layer: 1
Plug From: 7.309999942779541
Plug To: 0.0
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1003108679
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 1003108643
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003108652
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: -0.44999998807907104
Depth To: 7.309999942779541
Casing Diameter: 15.859999656677246
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1003108653
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1003108644
Pump Set At: 18.280000686645508
Static Level: 3.1700000762939453
Final Level After Pumping: 4.71999979019165
Recommended Pump Depth: 18.280000686645508
Pumping Rate: 54.599998474121094
Flowing Rate:
Recommended Pump Rate: 45.5

Levels UOM: m
Rate UOM: LPM
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: 1003108670
Test Type: Draw Down
Test Duration: 25
Test Level: 4.679999828338623
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003108677
Test Type: Draw Down
Test Duration: 60
Test Level: 4.71999979019165
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003108655
Test Type: Recovery
Test Duration: 1
Test Level: 3.930000066757202
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003108672
Test Type: Draw Down
Test Duration: 30
Test Level: 4.690000057220459
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003108676
Test Type: Draw Down
Test Duration: 50
Test Level: 4.730000019073486
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003108654
Test Type: Draw Down
Test Duration: 1
Test Level: 3.9100000858306885
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003108657

Test Type: Recovery
Test Duration: 2
Test Level: 3.6600000858306885
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003108675
Test Type: Recovery
Test Duration: 40
Test Level: 3.1700000762939453
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003108673
Test Type: Recovery
Test Duration: 30
Test Level: 3.190000057220459
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003108674
Test Type: Draw Down
Test Duration: 40
Test Level: 4.730000019073486
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003108661
Test Type: Recovery
Test Duration: 4
Test Level: 3.4700000286102295
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003108663
Test Type: Recovery
Test Duration: 5
Test Level: 3.4100000858306885
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003108671
Test Type: Recovery
Test Duration: 25
Test Level: 3.2100000381469727
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003108656
Test Type: Draw Down
Test Duration: 2
Test Level: 4.170000076293945
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003108660
Test Type: Draw Down
Test Duration: 4
Test Level: 4.409999847412109
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003108665
Test Type: Recovery
Test Duration: 10
Test Level: 3.299999952316284
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003108669
Test Type: Recovery
Test Duration: 20
Test Level: 3.240000009536743
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003108662
Test Type: Draw Down
Test Duration: 5
Test Level: 4.449999809265137
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003108666
Test Type: Draw Down
Test Duration: 15
Test Level: 4.639999866485596
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003108667
Test Type: Recovery
Test Duration: 15
Test Level: 3.2699999809265137
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003108668
Test Type: Draw Down
Test Duration: 20
Test Level: 4.659999847412109
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003108658
Test Type: Draw Down
Test Duration: 3
Test Level: 4.309999942779541
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003108659
Test Type: Recovery
Test Duration: 3
Test Level: 3.509999990463257
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003108664
Test Type: Draw Down
Test Duration: 10
Test Level: 4.590000152587891
Test Level UOM: m

Water Details

Water ID: 1003108651
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 34.439998626708984
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1003108649
Diameter: 15.229999542236328
Depth From: 7.309999942779541
Depth To: 37.47999954223633
Hole Depth UOM: m
Hole Diameter UOM: cm

Hole Diameter

Hole ID: 1003108648
Diameter: 15.859999656677246
Depth From: 0.0
Depth To: 7.309999942779541
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

Bore Hole ID: 1002937951
Depth M: 37.48
Year Completed: 2009
Well Completed Dt: 08/04/2009
Audit No: Z101702
Path: 713\7139891.pdf
Tag No: A076840
Contractor: 1558
Latitude: 45.1918363230608
Longitude: -75.8220431531583
Y: 45.19183631636811
X: -75.82204299208526

15	1 of 1	W/189.2	92.8 / -0.03	RICHMOND FOREST LOT 30 lot 25 con 3 RICHMOND ON	WWIS

Well ID:	7121463	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Water Supply	**Date Received:**	04/06/2009
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z095337	**Contractor:**	1558
Tag:	A068287	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	025
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7121463.pdf

Additional Detail(s) (Map)

Well Completed Date:	03/05/2009
Year Completed:	2009
Depth (m):	45.1
Latitude:	45.1914592100027
Longitude:	-75.8219104204057
Path:	712\7121463.pdf

Bore Hole Information

Bore Hole ID:	1002038794	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	435437.00
Code OB Desc:		**North83:**	5004548.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	03/05/2009	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1002521254
Layer:	2
Color:	2
General Color:	GREY
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	13
Mat2 Desc:	BOULDERS

Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	4.260000228881836
Formation End Depth:	8.829999923706055
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1002521255
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	78
Mat3 Desc:	MEDIUM-GRAINED
Formation Top Depth:	8.829999923706055
Formation End Depth:	45.099998474121094
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1002521253
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	81
Mat2 Desc:	SANDY
Mat3:	12
Mat3 Desc:	STONES
Formation Top Depth:	0.0
Formation End Depth:	4.260000228881836
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1002521258
Layer:	1
Plug From:	8.829999923706055
Plug To:	0.0
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1002521280
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	ROTARY AIR

Pipe Information

Pipe ID:	1002521251
Casing No:	0
Comment:	

Alt Name:

Construction Record - Casing

Casing ID:	1002521260
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-0.44999998807907104
Depth To:	8.829999923706055
Casing Diameter:	15.859999656677246
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1002521261
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1002521252
Pump Set At:	30.469999313354492
Static Level:	3.990000009536743
Final Level After Pumping:	5.139999866485596
Recommended Pump Depth:	22.850000381469727
Pumping Rate:	54.599998474121094
Flowing Rate:	
Recommended Pump Rate:	45.5
Levels UOM:	m
Rate UOM:	LPM
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:	1002521275
Test Type:	Draw Down
Test Duration:	30
Test Level:	5.119999885559082
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1002521277
Test Type:	Draw Down
Test Duration:	50
Test Level:	5.130000114440918
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID: 1002521272
Test Type: Draw Down
Test Duration: 15
Test Level: 5.090000152587891
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521263
Test Type: Recovery
Test Duration: 1
Test Level: 4.269999980926514
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521264
Test Type: Draw Down
Test Duration: 2
Test Level: 4.900000095367432
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521271
Test Type: Draw Down
Test Duration: 10
Test Level: 5.079999923706055
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521266
Test Type: Draw Down
Test Duration: 3
Test Level: 4.940000057220459
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521276
Test Type: Draw Down
Test Duration: 40
Test Level: 5.130000114440918
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521278
Test Type: Draw Down
Test Duration: 60
Test Level: 5.139999866485596
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521267

Test Type: Recovery
Test Duration: 3
Test Level: 4.039999961853027
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521268
Test Type: Draw Down
Test Duration: 4
Test Level: 4.980000019073486
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521274
Test Type: Draw Down
Test Duration: 25
Test Level: 5.119999885559082
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521269
Test Type: Recovery
Test Duration: 4
Test Level: 4.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521262
Test Type: Draw Down
Test Duration: 1
Test Level: 4.739999771118164
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521265
Test Type: Recovery
Test Duration: 2
Test Level: 4.110000133514404
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521270
Test Type: Draw Down
Test Duration: 5
Test Level: 5.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002521273
Test Type: Draw Down
Test Duration: 20
Test Level: 5.110000133514404
Test Level UOM: m

Water Details

Water ID:	1002521259
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	43.27000045776367
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1002521257
Diameter:	15.229999542236328
Depth From:	8.829999923706055
Depth To:	45.099998474121094
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	1002521256
Diameter:	15.859999656677246
Depth From:	0.0
Depth To:	8.829999923706055
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Links

Bore Hole ID:	1002038794	***Tag No:***	A068287
Depth M:	45.1	***Contractor:***	1558
Year Completed:	2009	***Latitude:***	45.1914592100027
Well Completed Dt:	03/05/2009	***Longitude:***	-75.8219104204057
Audit No:	Z095337	***Y:***	45.191459202889874
Path:	712\7121463.pdf	***X:***	-75.82191025889117

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16 ***1 of 1*** ***W/194.9*** ***93.6 / 0.69*** ***LOT 29 RICHMOND FOREST lot 25 con 3 RICHMOND ON*** ***WWIS***

Well ID:	7115740	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	
Final Well Status:	Water Supply	***Date Received:***	12/02/2008
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	Z84445	***Contractor:***	1558
Tag:	A068354	***Form Version:***	7
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	025
Depth to Bedrock:		***Concession:***	03
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/711\7115740.pdf

Additional Detail(s) (Map)

Well Completed Date:	11/12/2008
Year Completed:	2008
Depth (m):	45.1
Latitude:	45.1915033889423
Longitude:	-75.8220256297151
Path:	711\7115740.pdf

Bore Hole Information

Bore Hole ID:	1001904981	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	435428.00
Code OB Desc:		***North83:***	5004553.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	3
Date Completed:	11/12/2008	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1001982476
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	78
Mat3 Desc:	MEDIUM-GRAINED
Formation Top Depth:	6.090000152587891
Formation End Depth:	45.099998474121094
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1001982474
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	0.0
Formation End Depth:	3.6500000953674316
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1001982475
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	86
Mat3 Desc:	STICKY
Formation Top Depth:	3.6500000953674316
Formation End Depth:	6.090000152587891
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1001982479
Layer:	1
Plug From:	8.529999732971191
Plug To:	0.0
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1001982503
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	ROTARY AIR

Pipe Information

Pipe ID:	1001982472
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1001982481
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-0.6000000238418579
Depth To:	8.529999732971191
Casing Diameter:	15.859999656677246
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1001982482
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	

Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1001982473
Pump Set At: 30.469999313354492
Static Level: 4.159999847412109
Final Level After Pumping: 15.229999542236328
Recommended Pump Depth: 22.850000381469727
Pumping Rate: 54.599998474121094
Flowing Rate:
Recommended Pump Rate: 45.5
Levels UOM: m
Rate UOM: LPM
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: 1001982484
Test Type: Recovery
Test Duration: 1
Test Level: 12.050000190734863
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982486
Test Type: Recovery
Test Duration: 2
Test Level: 10.350000381469727
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982493
Test Type: Draw Down
Test Duration: 10
Test Level: 12.289999961853027
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982498
Test Type: Draw Down
Test Duration: 30
Test Level: 14.619999885559082
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982501
Test Type: Draw Down

Test Duration: 60
Test Level: 15.229999542236328
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982490
Test Type: Recovery
Test Duration: 4
Test Level: 7.380000114440918
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982497
Test Type: Draw Down
Test Duration: 25
Test Level: 14.399999618530273
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982489
Test Type: Draw Down
Test Duration: 4
Test Level: 9.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982496
Test Type: Recovery
Test Duration: 15
Test Level: 4.159999847412109
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982483
Test Type: Draw Down
Test Duration: 1
Test Level: 6.03000020980835
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982491
Test Type: Draw Down
Test Duration: 5
Test Level: 9.989999771118164
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982499
Test Type: Draw Down
Test Duration: 40
Test Level: 14.949999809265137
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982500
Test Type: Draw Down
Test Duration: 50
Test Level: 15.09000015258789
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982485
Test Type: Draw Down
Test Duration: 2
Test Level: 7.440000057220459
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982495
Test Type: Draw Down
Test Duration: 15
Test Level: 13.380000114440918
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982487
Test Type: Draw Down
Test Duration: 3
Test Level: 8.489999771118164
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982488
Test Type: Recovery
Test Duration: 3
Test Level: 8.729999542236328
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982492
Test Type: Recovery
Test Duration: 5
Test Level: 6.099999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982494
Test Type: Recovery
Test Duration: 10
Test Level: 4.25
Test Level UOM: m

Water Details

Water ID: 1001982480

Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 42.36000061035156
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1001982477
Diameter: 15.859999656677246
Depth From: 0.0
Depth To: 8.529999732971191
Hole Depth UOM: m
Hole Diameter UOM: cm

Hole Diameter

Hole ID: 1001982478
Diameter: 15.069999694824219
Depth From: 8.529999732971191
Depth To: 45.099998474121094
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

Bore Hole ID: 1001904981
Depth M: 45.1
Year Completed: 2008
Well Completed Dt: 11/12/2008
Audit No: Z84445
Path: 711\7115740.pdf
Tag No: A068354
Contractor: 1558
Latitude: 45.1915033889423
Longitude: -75.8220256297151
Y: 45.191503382259356
X: -75.82202546868285

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17 | 1 of 1 | W/197.1 | 93.9 / 1.00 | LOT 34 RICHMOND FOREST lot 25 con 3 RICHMOND ON | WWIS

Well ID: 7139835
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: Z101774
Tag: A082857
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GOULBOURN TOWNSHIP
Site Info:
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 02/16/2010
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot: 025
Concession: 03
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/713\7139835.pdf

Additional Detail(s) (Map)

Well Completed Date: 11/25/2009

Year Completed: 2009
Depth (m): 45.1
Latitude: 45.192302434743
Longitude: -75.8223172053109
Path: 713\7139835.pdf

Bore Hole Information

Bore Hole ID: 1002937652
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 11/25/2009
Remarks:
Loc Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 435406.00
North83: 5004642.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1003106584
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 81
Mat2 Desc: SANDY
Mat3: 77
Mat3 Desc: LOOSE
Formation Top Depth: 0.0
Formation End Depth: 2.430000066757202
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1003106585
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 2.430000066757202
Formation End Depth: 6.400000095367432
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID:	1003106586
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	78
Mat3 Desc:	MEDIUM-GRAINED
Formation Top Depth:	6.400000095367432
Formation End Depth:	45.099998474121094
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1003106589
Layer:	1
Plug From:	9.4399995803833
Plug To:	0.0
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1003106614
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	AIR PERCUSSION

Pipe Information

Pipe ID:	1003106582
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1003106591
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-0.44999998807907104
Depth To:	9.4399995803833
Casing Diameter:	15.859999656677246
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1003106592
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1003106583
Pump Set At:	30.469999313354492
Static Level:	4.050000190734863
Final Level After Pumping:	4.599999904632568
Recommended Pump Depth:	22.850000381469727
Pumping Rate:	54.599998474121094
Flowing Rate:	
Recommended Pump Rate:	45.5
Levels UOM:	m
Rate UOM:	LPM
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:	1003106598
Test Type:	Recovery
Test Duration:	3
Test Level:	4.119999885559082
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1003106601
Test Type:	Draw Down
Test Duration:	5
Test Level:	4.550000190734863
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1003106603
Test Type:	Draw Down
Test Duration:	10
Test Level:	4.579999923706055
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1003106608
Test Type:	Draw Down
Test Duration:	25
Test Level:	4.590000152587891
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1003106605
Test Type:	Draw Down
Test Duration:	15
Test Level:	4.599999904632568
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID: 1003106609
Test Type: Draw Down
Test Duration: 30
Test Level: 4.590000152587891
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003106600
Test Type: Recovery
Test Duration: 4
Test Level: 4.110000133514404
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003106606
Test Type: Recovery
Test Duration: 15
Test Level: 4.070000171661377
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003106610
Test Type: Draw Down
Test Duration: 40
Test Level: 4.599999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003106604
Test Type: Recovery
Test Duration: 10
Test Level: 4.090000152587891
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003106607
Test Type: Draw Down
Test Duration: 20
Test Level: 4.599999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003106612
Test Type: Draw Down
Test Duration: 60
Test Level: 4.599999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003106593
Test Type: Draw Down

Test Duration: 1
Test Level: 4.46999979019165
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003106602
Test Type: Recovery
Test Duration: 5
Test Level: 4.099999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003106597
Test Type: Draw Down
Test Duration: 3
Test Level: 4.519999980926514
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003106611
Test Type: Draw Down
Test Duration: 50
Test Level: 4.599999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003106594
Test Type: Recovery
Test Duration: 1
Test Level: 4.150000095367432
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003106595
Test Type: Draw Down
Test Duration: 2
Test Level: 4.510000228881836
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003106596
Test Type: Recovery
Test Duration: 2
Test Level: 4.130000114440918
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003106599
Test Type: Draw Down
Test Duration: 4
Test Level: 4.539999961853027
Test Level UOM: m

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

Water Details

Water ID:	1003106590
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	43.58000183105469
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1003106588
Diameter:	15.229999542236328
Depth From:	9.4399995803833
Depth To:	45.099998474121094
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	1003106587
Diameter:	15.859999656677246
Depth From:	0.0
Depth To:	9.4399995803833
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Links

Bore Hole ID:	1002937652	***Tag No:***	A082857
Depth M:	45.1	***Contractor:***	1558
Year Completed:	2009	***Latitude:***	45.192302434743
Well Completed Dt:	11/25/2009	***Longitude:***	-75.8223172053109
Audit No:	Z101774	***Y:***	45.1923024280759
Path:	713\7139835.pdf	***X:***	-75.82231704369407

18	***1 of 1***	***W/199.2***	***93.9 / 1.00***	***LOT 14 RICHMOND FOREST lot 25 con 3 RICHMON ON***	***WWIS***

Well ID:	7115738	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	
Final Well Status:	Water Supply	***Date Received:***	12/02/2008
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	Z84444	***Contractor:***	1558
Tag:	A068310	***Form Version:***	7
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	025
Depth to Bedrock:		***Concession:***	03
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/711\7115738.pdf

Additional Detail(s) (Map)

Well Completed Date:	11/06/2008
Year Completed:	2008
Depth (m):	45.1
Latitude:	45.1922032437932
Longitude:	-75.8223412378726
Path:	711\7115738.pdf

Bore Hole Information

Bore Hole ID:	1001904975	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	435404.00
Code OB Desc:		***North83:***	5004631.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	3
Date Completed:	11/06/2008	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1001982378
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	5.480000019073486
Formation End Depth:	45.099998474121094
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1001982377
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	02
Mat2 Desc:	TOPSOIL
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	0.0
Formation End Depth:	5.480000019073486
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1001982381
Layer:	1
Plug From:	7.769999980926514
Plug To:	0.0
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1001982405
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	1001982375
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1001982383
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-0.44999998807907104
Depth To:	7.769999980926514
Casing Diameter:	15.859999656677246
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1001982384
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1001982376
Pump Set At:	30.469999313354492
Static Level:	3.630000114440918
Final Level After Pumping:	11.640000343322754
Recommended Pump Depth:	22.850000381469727
Pumping Rate:	54.599998474121094
Flowing Rate:	
Recommended Pump Rate:	45.5
Levels UOM:	m
Rate UOM:	LPM
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: 1001982393
Test Type: Draw Down
Test Duration: 5
Test Level: 8.600000381469727
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982399
Test Type: Draw Down
Test Duration: 25
Test Level: 11.050000190734863
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982392
Test Type: Recovery
Test Duration: 4
Test Level: 4.300000190734863
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982385
Test Type: Draw Down
Test Duration: 1
Test Level: 5.179999828338623
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982398
Test Type: Draw Down
Test Duration: 20
Test Level: 10.789999961853027
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982391
Test Type: Draw Down
Test Duration: 4
Test Level: 7.400000095367432
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982394
Test Type: Recovery
Test Duration: 5
Test Level: 3.450000047683716

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982400
Test Type: Draw Down
Test Duration: 30
Test Level: 11.180000305175781
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982396
Test Type: Recovery
Test Duration: 10
Test Level: 3.6500000953674316
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982388
Test Type: Recovery
Test Duration: 2
Test Level: 5.670000076293945
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982390
Test Type: Recovery
Test Duration: 3
Test Level: 5.03000020980835
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982387
Test Type: Draw Down
Test Duration: 2
Test Level: 6.130000114440918
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982395
Test Type: Draw Down
Test Duration: 10
Test Level: 9.399999618530273
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982401
Test Type: Draw Down
Test Duration: 40
Test Level: 11.470000267028809
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982403
Test Type: Draw Down
Test Duration: 60
Test Level: 11.640000343322754
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982386
Test Type: Recovery
Test Duration: 1
Test Level: 8.369999885559082
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982389
Test Type: Draw Down
Test Duration: 3
Test Level: 6.820000171661377
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982397
Test Type: Draw Down
Test Duration: 15
Test Level: 10.170000076293945
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001982402
Test Type: Draw Down
Test Duration: 50
Test Level: 11.569999694824219
Test Level UOM: m

Water Details

Water ID: 1001982382
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 42.36000061035156
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1001982379
Diameter: 15.859999656677246
Depth From: 0.0
Depth To: 7.769999980926514
Hole Depth UOM: m
Hole Diameter UOM: cm

Hole Diameter

Hole ID: 1001982380

Diameter:	15.229999542236328
Depth From:	7.769999980926514
Depth To:	45.099998474121094
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Links

Bore Hole ID:	1001904975	**Tag No:**	A068310
Depth M:	45.1	**Contractor:**	1558
Year Completed:	2008	**Latitude:**	45.1922032437932
Well Completed Dt:	11/06/2008	**Longitude:**	-75.8223412378726
Audit No:	Z84444	**Y:**	45.19220323682437
Path:	711\7115738.pdf	**X:**	-75.8223410772216

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19 ***1 of 1*** ***E/206.7*** ***93.9 / 1.00*** ***ON*** ***BORE***

Borehole ID:	610339	**Inclin FLG:**	No
OGF ID:	215511854	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	APR-1965	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.192042
Total Depth m:	26.2	**Longitude DD:**	-75.81468
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	436006
Drill Method:		**Northing:**	5004607
Orig Ground Elev m:	93	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	94.4		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218385319	**Mat Consistency:**	
Top Depth:	11.6	**Material Moisture:**	
Bottom Depth:	26.2	**Material Texture:**	
Material Color:	Black	**Non Geo Mat Type:**	
Material 1:	Limestone	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	LIMESTONE. 000859BLUE. LIMESTONE. BLUE. 00082NE. BLACK. LIMESTONE. GREY. SANDSTONE.		

Geology Stratum ID:	218385317	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	9.1	**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:	218385318	**Mat Consistency:**	
Top Depth:	9.1	**Material Moisture:**	
Bottom Depth:	11.6	**Material Texture:**	
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.		

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:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 02847 NTS_Sheet:		
Confiden 1:			

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
20	1 of 1	E/206.8	93.9 / 1.00	lot 4 con 6 ON	WWIS

Well ID:	1506372	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	08/24/1965
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	4824
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	004
Depth to Bedrock:		**Concession:**	06
Well Depth:		**Concession Name:**	RF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1506372.pdf

Additional Detail(s) (Map)

Well Completed Date:	04/05/1965
Year Completed:	1965
Depth (m):	26.2128

Latitude: 45.1920421208042
Longitude: -75.8146789771873
Path: 150\1506372.pdf

Bore Hole Information

Bore Hole ID: 10028415
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 04/05/1965
Remarks:
Loc Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 436005.70
North83: 5004607.00
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 931004383
Layer: 1
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 30.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931004384
Layer: 2
Color:
General Color:
Mat1: 08
Most Common Material: FINE SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 30.0
Formation End Depth: 38.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931004385
Layer: 3

Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 38.0
Formation End Depth: 86.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961506372
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10576985
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930049577
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 38.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930049578
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 86.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991506372
Pump Set At:
Static Level: 20.0
Final Level After Pumping: 35.0
Recommended Pump Depth: 70.0
Pumping Rate: 5.0
Flowing Rate:
Recommended Pump Rate: 5.0

Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933460508
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	85.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10028415	**Tag No:**	
Depth M:	26.2128	**Contractor:**	4824
Year Completed:	1965	**Latitude:**	45.1920421208042
Well Completed Dt:	04/05/1965	**Longitude:**	-75.8146789771873
Audit No:		**Y:**	45.19204211420871
Path:	150\1506372.pdf	**X:**	-75.81467881600892

21 ***1 of 1*** ***SW/212.4*** ***92.9 / 0.00*** ***lot 25 con 3 ON*** ***WWIS***

Well ID:	1531908	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	06/15/2001
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	230098	**Contractor:**	1558
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	025
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1531908.pdf

Additional Detail(s) (Map)

Well Completed Date:	05/17/2001
Year Completed:	2001
Depth (m):	64.008
Latitude:	45.1902600744775
Longitude:	-75.8209256729341
Path:	153\1531908.pdf

Bore Hole Information

Bore Hole ID:	10053442	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	435513.00
Code OB Desc:		***North83:***	5004414.00
Open Hole:		***Org CS:***	N83
Cluster Kind:		***UTMRC:***	3
Date Completed:	05/17/2001	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	
Loc Method Desc:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931079897
Layer:	5
Color:	2
General Color:	GREY
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	160.0
Formation End Depth:	210.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931079895
Layer:	3
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	35.0
Formation End Depth:	41.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931079893
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	

Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 12.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931079894
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 12.0
Formation End Depth: 35.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931079896
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 41.0
Formation End Depth: 160.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933117041
Layer: 1
Plug From: 0.0
Plug To: 44.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961531908
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10602012
Casing No: 1

Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930093660
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930093661
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991531908
Pump Set At:	
Static Level:	7.0
Final Level After Pumping:	50.0
Recommended Pump Depth:	60.0
Pumping Rate:	50.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934915568
Test Type:	Draw Down
Test Duration:	60
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934398854
Test Type:	Draw Down
Test Duration:	30
Test Level:	200.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934115099
Test Type:	Draw Down
Test Duration:	15
Test Level:	200.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934659235
Test Type:	Draw Down
Test Duration:	45
Test Level:	50.0
Test Level UOM:	ft

Water Details

Water ID:	933492526
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	210.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10053442	***Tag No:***	
Depth M:	64.008	***Contractor:***	1558
Year Completed:	2001	***Latitude:***	45.1902600744775
Well Completed Dt:	05/17/2001	***Longitude:***	-75.8209256729341
Audit No:	230098	***Y:***	45.190260067401695
Path:	153\1531908.pdf	***X:***	-75.82092551173022

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22 ***1 of 1*** ***W/216.4*** ***93.9 / 1.00*** ***LOT 15 RICHMOND FOREST lot 25 con 3 RICHMOND ON*** ***WWIS***

Well ID:	7139854	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	
Final Well Status:	Water Supply	***Date Received:***	02/16/2010
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	Z101753	***Contractor:***	1558
Tag:	A082914	***Form Version:***	7
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	025
Depth to Bedrock:		***Concession:***	03
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/713\7139854.pdf

Additional Detail(s) (Map)

Well Completed Date:	10/28/2009
Year Completed:	2009
Depth (m):	45.1
Latitude:	45.1919858521027
Longitude:	-75.8225290642933
Path:	713\7139854.pdf

Bore Hole Information

Bore Hole ID:	1002937757	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	435389.00
Code OB Desc:		***North83:***	5004607.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	10/28/2009	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1003107449
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	4.260000228881836
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1003107451
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	78
Mat3 Desc:	MEDIUM-GRAINED
Formation Top Depth:	6.090000152587891
Formation End Depth:	45.099998474121094
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1003107450
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	74
Mat3 Desc:	LAYERED
Formation Top Depth:	4.260000228881836
Formation End Depth:	6.090000152587891
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1003107454
Layer:	1
Plug From:	7.309999942779541
Plug To:	0.0
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1003107474
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	AIR PERCUSSION

Pipe Information

Pipe ID:	1003107447
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1003107456
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-0.44999998807907104
Depth To:	7.309999942779541
Casing Diameter:	15.859999656677246
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1003107457
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m

Screen Diameter UOM: cm
Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1003107448
Pump Set At: 30.469999313354492
Static Level: 3.799999952316284
Final Level After Pumping: 4.25
Recommended Pump Depth: 22.850000381469727
Pumping Rate: 54.599998474121094
Flowing Rate:
Recommended Pump Rate: 45.5
Levels UOM: m
Rate UOM: LPM
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: 1003107459
Test Type: Recovery
Test Duration: 1
Test Level: 3.859999895095825
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003107470
Test Type: Draw Down
Test Duration: 40
Test Level: 4.239999771118164
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003107458
Test Type: Draw Down
Test Duration: 1
Test Level: 4.139999866485596
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003107466
Test Type: Draw Down
Test Duration: 15
Test Level: 4.239999771118164
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003107461
Test Type: Recovery
Test Duration: 2
Test Level: 3.819999933242798

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003107471
Test Type: Draw Down
Test Duration: 50
Test Level: 4.230000019073486
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003107464
Test Type: Draw Down
Test Duration: 5
Test Level: 4.210000038146973
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003107472
Test Type: Draw Down
Test Duration: 60
Test Level: 4.239999771118164
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003107462
Test Type: Draw Down
Test Duration: 3
Test Level: 4.190000057220459
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003107465
Test Type: Draw Down
Test Duration: 10
Test Level: 4.239999771118164
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003107468
Test Type: Draw Down
Test Duration: 25
Test Level: 4.230000019073486
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003107469
Test Type: Draw Down
Test Duration: 30
Test Level: 4.239999771118164
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003107460
Test Type: Draw Down
Test Duration: 2
Test Level: 4.179999828338623
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003107463
Test Type: Draw Down
Test Duration: 4
Test Level: 4.199999809265137
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003107467
Test Type: Draw Down
Test Duration: 20
Test Level: 4.239999771118164
Test Level UOM: m

Water Details

Water ID: 1003107455
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 43.58000183105469
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1003107453
Diameter: 15.069999694824219
Depth From: 7.309999942779541
Depth To: 45.099998474121094
Hole Depth UOM: m
Hole Diameter UOM: cm

Hole Diameter

Hole ID: 1003107452
Diameter: 15.859999656677246
Depth From: 0.0
Depth To: 7.309999942779541
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

Bore Hole ID: 1002937757
Depth M: 45.1
Year Completed: 2009
Well Completed Dt: 10/28/2009
Audit No: Z101753
Path: 713\7139854.pdf
Tag No: A082914
Contractor: 1558
Latitude: 45.1919858521027
Longitude: -75.8225290642933
Y: 45.19198584517327
X: -75.82252890322562

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
23	1 of 1	WSW/231.1	93.9 / 1.00	RICHMOND FOREST LOT 28 lot 25 con 3 RICHMOND ON	WWIS

Well ID: 7123247
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: Z095328
Tag: A076798
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GOULBOURN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 05/20/2009
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot: 025
Concession: 03
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7123247.pdf

Additional Detail(s) (Map)

Well Completed Date: 03/23/2009
Year Completed: 2009
Depth (m): 45.1
Latitude: 45.1913116250379
Longitude: -75.8224047791117
Path: 712\7123247.pdf

Bore Hole Information

Bore Hole ID: 1002427404
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 03/23/2009
Remarks:
Loc Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 435398.00
North83: 5004532.00
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1002573560
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY

Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 4.260000228881836
Formation End Depth: 5.789999961853027
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1002573561
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 5.789999961853027
Formation End Depth: 45.099998474121094
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1002573559
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 4.260000228881836
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1002573564
Layer: 1
Plug From: 0.0
Plug To: 8.829999923706055
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1002573584
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction: AIR PERCUSSION

Pipe Information

Pipe ID: 1002573557

Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002573566
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: -0.44999998807907104
Depth To: 8.829999923706055
Casing Diameter: 15.859999656677246
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002573567
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1002573558
Pump Set At: 30.469999313354492
Static Level: 3.569999933242798
Final Level After Pumping: 4.809999942779541
Recommended Pump Depth: 22.850000381469727
Pumping Rate: 54.599998474121094
Flowing Rate:
Recommended Pump Rate: 45.5
Levels UOM: m
Rate UOM: LPM
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: 1002573573
Test Type: Draw Down
Test Duration: 4
Test Level: 4.71999979019165
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573572
Test Type: Draw Down
Test Duration: 3
Test Level: 4.699999809265137

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573582
Test Type: Draw Down
Test Duration: 60
Test Level: 4.809999942779541
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573570
Test Type: Draw Down
Test Duration: 2
Test Level: 4.650000095367432
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573574
Test Type: Draw Down
Test Duration: 5
Test Level: 4.730000019073486
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573580
Test Type: Draw Down
Test Duration: 40
Test Level: 4.800000190734863
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573581
Test Type: Draw Down
Test Duration: 50
Test Level: 4.800000190734863
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573569
Test Type: Recovery
Test Duration: 1
Test Level: 3.6700000762939453
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573575
Test Type: Draw Down
Test Duration: 10
Test Level: 4.75
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573577
Test Type: Draw Down
Test Duration: 20
Test Level: 4.800000190734863
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573578
Test Type: Draw Down
Test Duration: 25
Test Level: 4.800000190734863
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573579
Test Type: Draw Down
Test Duration: 30
Test Level: 4.800000190734863
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573568
Test Type: Draw Down
Test Duration: 1
Test Level: 4.489999771118164
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573571
Test Type: Recovery
Test Duration: 2
Test Level: 3.5799999237060547
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573576
Test Type: Draw Down
Test Duration: 15
Test Level: 4.769999980926514
Test Level UOM: m

Water Details

Water ID: 1002573565
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 42.65999984741211
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1002573563
Diameter: 15.069999694824219

Depth From:	8.829999923706055
Depth To:	45.099998474121094
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	1002573562
Diameter:	15.859999656677246
Depth From:	0.0
Depth To:	8.829999923706055
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Links

Bore Hole ID:	1002427404	**Tag No:**	A076798
Depth M:	45.1	**Contractor:**	1558
Year Completed:	2009	**Latitude:**	45.1913116250379
Well Completed Dt:	03/23/2009	**Longitude:**	-75.8224047791117
Audit No:	Z095328	**Y:**	45.191311618197616
Path:	712\7123247.pdf	**X:**	-75.8224046178107

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24 ***1 of 1*** ***SSW/232.6*** ***92.9 / 0.00*** ***ON*** ***WWIS***

Well ID:	1509235	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	09/07/1960
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	4825
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	RICHMOND VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509235.pdf

Additional Detail(s) (Map)

Well Completed Date:	08/05/1960
Year Completed:	1960
Depth (m):	17.9832
Latitude:	45.1894368297896
Longitude:	-75.8202429714661
Path:	150\1509235.pdf

Bore Hole Information

Bore Hole ID:	10031268	**Elevation:**	
DP2BR:		**Elevrc:**	

Spatial Status:		***Zone:***	18
Code OB:		***East83:***	435565.70
Code OB Desc:		***North83:***	5004322.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	08/05/1960	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5

Loc Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931011737
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 13.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931011738
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 13.0
Formation End Depth: 59.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961509235
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10579838
Casing No: 1
Comment:

Alt Name:

Construction Record - Casing

Casing ID:	930055186
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	26.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930055187
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	59.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991509235
Pump Set At:	
Static Level:	5.0
Final Level After Pumping:	6.0
Recommended Pump Depth:	30.0
Pumping Rate:	6.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933464043
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	55.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10031268	***Tag No:***	
Depth M:	17.9832	***Contractor:***	4825
Year Completed:	1960	***Latitude:***	45.1894368297896
Well Completed Dt:	08/05/1960	***Longitude:***	-75.8202429714661
Audit No:		***Y:***	45.18943682300404

Path:	150\1509235.pdf	**X:**	-75.82024281037565

25 **1 of 1** **SSW/232.7** **92.9 / 0.00** **ON** **BORE**

Borehole ID:	610322	**Inclin FLG:**	No
OGF ID:	215511837	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	AUG-1960	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.189437
Total Depth m:	18	**Longitude DD:**	-75.820244
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	435566
Drill Method:		**Northing:**	5004322
Orig Ground Elev m:	91.4	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	93.2		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218385268	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY.		

Geology Stratum ID:	218385269	**Mat Consistency:**	Dense
Top Depth:	4	**Material Moisture:**	
Bottom Depth:	18	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Limestone	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	LIMESTONE. 00055WN. SILT,SAND,TILL. BROWN,DENSE TO VERY DENSE. 00004049DENSE TO VERY 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:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 02830 NTS_Sheet:		
Confiden 1:			

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

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		

26 | ***1 of 1*** | ***W/234.0*** | ***93.8 / 0.97*** | ***CHANONHOUSE LOT 12 lot 25 con 3 RICHMOND ON*** | ***WWIS***

Well ID:	7127126	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	
Final Well Status:	Water Supply	***Date Received:***	08/10/2009
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	Z095261	***Contractor:***	1558
Tag:	A076822	***Form Version:***	7
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	025
Depth to Bedrock:		***Concession:***	03
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7127126.pdf

Additional Detail(s) (Map)

Well Completed Date:	06/17/2009
Year Completed:	2009
Depth (m):	51.81
Latitude:	45.1914008986312
Longitude:	-75.8225079077245
Path:	712\7127126.pdf

Bore Hole Information

Bore Hole ID:	1002632058	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	435390.00
Code OB Desc:		***North83:***	5004542.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	3
Date Completed:	06/17/2009	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1002654252
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	6.090000152587891
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1002654254
Layer:	3
Color:	2
General Color:	GREY
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	42.970001220703125
Formation End Depth:	51.810001373291016
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1002654253
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	6.090000152587891
Formation End Depth:	42.970001220703125
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1002654257
Layer:	1
Plug From:	9.140000343322754
Plug To:	0.0
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID: 1002654281
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction: ROTARY AIR

Pipe Information

Pipe ID: 1002654250
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002654259
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: -0.44999998807907104
Depth To: 9.140000343322754
Casing Diameter: 15.859999656677246
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002654260
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1002654251
Pump Set At: 30.469999313354492
Static Level: 4.320000171661377
Final Level After Pumping: 15.899999618530273
Recommended Pump Depth: 22.850000381469727
Pumping Rate: 54.599998474121094
Flowing Rate:
Recommended Pump Rate: 45.5
Levels UOM: m
Rate UOM: LPM
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: 1002654269
Test Type: Draw Down
Test Duration: 5

Test Level: 9.479999542236328
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002654273
Test Type: Draw Down
Test Duration: 15
Test Level: 13.199999809265137
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002654265
Test Type: Draw Down
Test Duration: 3
Test Level: 8.199999809265137
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002654266
Test Type: Recovery
Test Duration: 3
Test Level: 9.350000381469727
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002654268
Test Type: Recovery
Test Duration: 4
Test Level: 7.699999809265137
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002654275
Test Type: Draw Down
Test Duration: 25
Test Level: 14.869999885559082
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002654278
Test Type: Draw Down
Test Duration: 50
Test Level: 15.829999923706055
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002654267
Test Type: Draw Down
Test Duration: 4
Test Level: 8.829999923706055
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002654272
Test Type: Recovery
Test Duration: 10
Test Level: 4.309999942779541
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002654276
Test Type: Draw Down
Test Duration: 30
Test Level: 15.229999542236328
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002654262
Test Type: Recovery
Test Duration: 1
Test Level: 13.079999923706055
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002654264
Test Type: Recovery
Test Duration: 2
Test Level: 11.039999961853027
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002654261
Test Type: Draw Down
Test Duration: 1
Test Level: 6.03000020980835
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002654270
Test Type: Recovery
Test Duration: 5
Test Level: 6.699999809265137
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002654271
Test Type: Draw Down
Test Duration: 10
Test Level: 11.800000190734863
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002654277
Test Type: Draw Down

Test Duration: 40
Test Level: 15.65999984741211
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002654263
Test Type: Draw Down
Test Duration: 2
Test Level: 7.119999885559082
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002654274
Test Type: Draw Down
Test Duration: 20
Test Level: 14.1899995803833
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002654279
Test Type: Draw Down
Test Duration: 60
Test Level: 15.899999618530273
Test Level UOM: m

Water Details

Water ID: 1002654258
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 50.59000015258789
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1002654256
Diameter: 15.229999542236328
Depth From: 9.140000343322754
Depth To: 51.810001373291016
Hole Depth UOM: m
Hole Diameter UOM: cm

Hole Diameter

Hole ID: 1002654255
Diameter: 15.859999656677246
Depth From: 0.0
Depth To: 9.140000343322754
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

Bore Hole ID: 1002632058
Depth M: 51.81
Year Completed: 2009
Tag No: A076822
Contractor: 1558
Latitude: 45.1914008986312

Well Completed Dt:	06/17/2009	**Longitude:**	-75.8225079077245
Audit No:	Z095261	**Y:**	45.191400891925454
Path:	712\7127126.pdf	**X:**	-75.82250774705865

27 **1 of 1** **WSW/234.5** **93.9 / 1.00** **CHANONHOUSE DR. LOT 27 lot 25 con 3 RICHMOND ON** **WWIS**

Well ID:	7123245	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Water Supply	**Date Received:**	05/20/2009
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z095325	**Contractor:**	1558
Tag:	A068297	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	025
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7123245.pdf

Additional Detail(s) (Map)

Well Completed Date:	03/24/2009
Year Completed:	2009
Depth (m):	45.1
Latitude:	45.1911144346482
Longitude:	-75.8222873664509
Path:	712\7123245.pdf

Bore Hole Information

Bore Hole ID:	1002427398	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	435407.00
Code OB Desc:		**North83:**	5004510.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	03/24/2009	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID: 1002573469

Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	3.6500000953674316
Formation End Depth:	5.480000019073486
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1002573470
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	78
Mat3 Desc:	MEDIUM-GRAINED
Formation Top Depth:	5.480000019073486
Formation End Depth:	45.099998474121094
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1002573468
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	0.0
Formation End Depth:	3.6500000953674316
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1002573473
Layer:	1
Plug From:	0.0
Plug To:	8.529999732971191
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1002573496
Method Construction Code:	4
Method Construction:	Rotary (Air)

Other Method Construction: AIR PERCUSSION

Pipe Information

Pipe ID: 1002573466
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002573475
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: -0.44999998807907104
Depth To: 8.529999732971191
Casing Diameter: 15.859999656677246
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002573476
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1002573467
Pump Set At: 22.850000381469727
Static Level: 3.2200000286102295
Final Level After Pumping: 7.730000019073486
Recommended Pump Depth: 22.850000381469727
Pumping Rate: 54.599998474121094
Flowing Rate:
Recommended Pump Rate: 45.5
Levels UOM: m
Rate UOM: LPM
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: 1002573491
Test Type: Draw Down
Test Duration: 30
Test Level: 7.670000076293945
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573492
Test Type: Draw Down
Test Duration: 40
Test Level: 7.71999979019165
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573494
Test Type: Draw Down
Test Duration: 60
Test Level: 7.730000019073486
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573478
Test Type: Recovery
Test Duration: 1
Test Level: 5.090000152587891
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573479
Test Type: Draw Down
Test Duration: 2
Test Level: 5.550000190734863
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573481
Test Type: Draw Down
Test Duration: 3
Test Level: 6.150000095367432
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573480
Test Type: Recovery
Test Duration: 2
Test Level: 3.9200000762939453
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573482
Test Type: Recovery
Test Duration: 3
Test Level: 3.4700000286102295
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573486
Test Type: Recovery

Test Duration: 5
Test Level: 3.2699999809265137
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573493
Test Type: Draw Down
Test Duration: 50
Test Level: 7.71999979019165
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573477
Test Type: Draw Down
Test Duration: 1
Test Level: 4.71999979019165
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573483
Test Type: Draw Down
Test Duration: 4
Test Level: 6.53000020980835
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573485
Test Type: Draw Down
Test Duration: 5
Test Level: 6.820000171661377
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573490
Test Type: Draw Down
Test Duration: 25
Test Level: 7.659999847412109
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573484
Test Type: Recovery
Test Duration: 4
Test Level: 3.319999933242798
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002573487
Test Type: Draw Down
Test Duration: 10
Test Level: 7.46999979019165
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:	1002573488
Test Type:	Draw Down
Test Duration:	15
Test Level:	7.630000114440918
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1002573489
Test Type:	Draw Down
Test Duration:	20
Test Level:	7.659999847412109
Test Level UOM:	m

Water Details

Water ID:	1002573474
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	43.58000183105469
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1002573472
Diameter:	15.229999542236328
Depth From:	8.529999732971191
Depth To:	45.099998474121094
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	1002573471
Diameter:	15.859999656677246
Depth From:	0.0
Depth To:	8.529999732971191
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Links

Bore Hole ID:	1002427398	***Tag No:***	A068297
Depth M:	45.1	***Contractor:***	1558
Year Completed:	2009	***Latitude:***	45.1911144346482
Well Completed Dt:	03/24/2009	***Longitude:***	-75.8222873664509
Audit No:	Z095325	***Y:***	45.19111442795359
Path:	712\7123245.pdf	***X:***	-75.82228720536355

Unplottable Summary

Total: 20 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	City of Ottawa	Chanonhouse Drive	Ottawa ON	
CA		Eagleson Road	Ottawa ON	
CA		Ottawa Street, West	Ottawa ON	
CA	Robert Reginal Todd	Ottawa Street (McBean St. to Lennox St.)	Ottawa ON	
CA	QUATROSENSE ENVIRONMENTAL LTD.	OTTAWA AVENUE	RICHMOND TWP. ON	
ECA	The Regional Municipality of Waterloo	Ottawa St	Ottawa ON	N2G 4J3
ECA	Laffin Enterprises Limited	Ottawa Street, West	Ottawa ON	K0A 2Z0
ECA	City of Ottawa	Eagleson Rd	Ottawa ON	K2G 6J8
GEN	Hydro OTTAWA LIMITED	EAGLESON RD	OTTAWA ON	K2L 2P1
PES	RICHMOND GARDENS	OTTAWA STREET	RICHMOND ON	K0A2Z0
PES	RICHMOND GARDENS	OTTAWA STREET	RICHMOND ON	
PES	RICHMOND GARDENS	OTTAWA STREET	RICHMOND ON	K0A2Z0
SPL	TRANSPORT TRUCK	ALONG EAGLESON RD, COVERING ROTHESAY AND FURTHER, KANATA TRANSPORT TRUCK (CARGO)	OTTAWA CITY ON	
SPL	Petro Canada Fuels<UNOFFICIAL>	West of Eagleson	Ottawa ON	
WWIS		lot 25	ON	
WWIS		lot 26	ON	
WWIS		con 3	ON	

WWIS	con 3	ON
WWIS	lot 25	ON
WWIS	RICHMOND OAKS LOT 7 lot 25 con 3	RICHMOND ON

Unplottable Report

Site: ***City of Ottawa***
Chanonhouse Drive Ottawa ON

Database: ***CA***

Certificate #:	5360-5Z6LZK
Application Year:	2004
Issue Date:	5/25/2004
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:
Eagleson Road Ottawa ON

Database: ***CA***

Certificate #:	5624-4MNJCW
Application Year:	00
Issue Date:	8/1/00
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Corporation of the Regional Municipality of Ottawa-Carleton
Client Address:	111 Lisgar Street
Client City:	Ottawa
Client Postal Code:	K2P 2L7
Project Description:	Eagleson Road watermain extension from Bridgestone Drive to Emerald Meadows.
Contaminants:	
Emission Control:	

Site:
Ottawa Street, West Ottawa ON

Database: ***CA***

Certificate #:	6026-4YHN85
Application Year:	01
Issue Date:	7/11/01
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Laffin Enterprises Limited
Client Address:	99 Queen Street
Client City:	Ottawa
Client Postal Code:	K0A 2Z0
Project Description:	This application is for the extension of sanitary sewer in the City of Ottawa, on Ottawa Street West.
Contaminants:	
Emission Control:	

Site: ***Robert Reginal Todd***
Ottawa Street (McBean St. to Lennox St.) Ottawa ON

Database: ***CA***

Certificate #:	3530-5K4JX7

Application Year: 2003
Issue Date: 3/4/2003
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: ***QUATROSENSE ENVIRONMENTAL LTD.***
OTTAWA AVENUE RICHMOND TWP. ON

Database: ***CA***

Certificate #: 8-4005-90-
Application Year: 90
Issue Date: 2/28/1990
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: PLANT CONSTRUCTION/ELECTRONIC MANUFACTUR
Contaminants: Carbon Monoxide, Hydrogen Sulphide
Emission Control: No Controls

Site: ***The Regional Municipality of Waterloo***
Ottawa St Ottawa ON N2G 4J3

Database: ***ECA***

Approval No: 4888-7GEH5L
Approval Date: 2008-07-11
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Business Name: The Regional Municipality of Waterloo
Address: Ottawa St
Full Address:
Full PDF Link:
PDF Site Location:

Site: ***Laffin Enterprises Limited***
Ottawa Street, West Ottawa ON K0A 2Z0

Database: ***ECA***

Approval No: 6026-4YHN85
Approval Date: 2001-07-11
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Laffin Enterprises Limited
Address: Ottawa Street, West
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3095-4YGKLV-14.pdf
PDF Site Location:

Site: ***City of Ottawa***
Eagleson Rd Ottawa ON K2G 6J8

Database: ***ECA***

Approval No:	3317-BX33EZ	***MOE District:***	
Approval Date:	2021-01-08	***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
Business Name: City of Ottawa
Address: Eagleson Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7051-BWKRX7-14.pdf
PDF Site Location:

Site: ***Hydro OTTAWA LIMITED***
EAGLESON RD OTTAWA ON K2L 2P1

Database: ***GEN***

Generator No: ON9259460
SIC Code: 221122
SIC Description: Electric Power Distribution
Approval Years: 05
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 243
Waste Class Name: PCB'S

Site: ***RICHMOND GARDENS***
OTTAWA STREET RICHMOND ON K0A2Z0

Database: ***PES***

Detail Licence No:		***Operator Box:***	259
Licence No:	07489	***Operator Class:***	
Status:		***Operator No:***	
Approval Date:		***Operator Type:***	
Report Source:	Legacy Licenses (Excluding TS)	***Oper Area Code:***	613
Licence Type:	Retail Vendor Class 03	***Oper Phone No:***	8385959
Licence Type Code:	21	***Operator Ext:***	
Licence Class:	03	***Operator Lot:***	
Licence Control:		***Oper Concession:***	
Latitude:		***Operator Region:***	
Longitude:		***Operator District:***	
Lot:		***Operator County:***	
Concession:		***Op Municipality:***	
Region:		***Post Office Box:***	
District:		***MOE District:***	
County:		***SWP Area Name:***	
Trade Name:			
PDF URL:			

Site: ***RICHMOND GARDENS***
OTTAWA STREET RICHMOND ON

Database: ***PES***

Detail Licence No:		***Operator Box:***	
Licence No:		***Operator Class:***	
Status:		***Operator No:***	
Approval Date:		***Operator Type:***	
Report Source:		***Oper Area Code:***	
Licence Type:	Vendor	***Oper Phone No:***	
Licence Type Code:		***Operator Ext:***	
Licence Class:		***Operator Lot:***	
Licence Control:		***Oper Concession:***	
Latitude:		***Operator Region:***	
Longitude:		***Operator District:***	
Lot:		***Operator County:***	
Concession:		***Op Municipality:***	
Region:		***Post Office Box:***	
District:		***MOE District:***	
County:		***SWP Area Name:***	
Trade Name:			
PDF URL:			

Site: ***RICHMOND GARDENS***
OTTAWA STREET RICHMOND ON K0A2Z0

Database: ***PES***

Detail Licence No:	23-01-07489-0	***Operator Box:***	259
Licence No:	07489	***Operator Class:***	
Status:		***Operator No:***	
Approval Date:		***Operator Type:***	
Report Source:	Legacy Licenses (Excluding TS)	***Oper Area Code:***	613
Licence Type:	Limited Vendor	***Oper Phone No:***	8385959
Licence Type Code:	23	***Operator Ext:***	
Licence Class:	01	***Operator Lot:***	
Licence Control:	0	***Oper Concession:***	
Latitude:		***Operator Region:***	4
Longitude:		***Operator District:***	2
Lot:		***Operator County:***	15
Concession:		***Op Municipality:***	
Region:	4	***Post Office Box:***	
District:	2	***MOE District:***	
County:	15	***SWP Area Name:***	
Trade Name:			
PDF URL:			

Site: ***TRANSPORT TRUCK***
ALONG EAGLESON RD, COVERING ROTHESAY AND FURTHER, KANATA TRANSPORT TRUCK (CARGO)
OTTAWA CITY ON

Database: ***SPL***

Ref No:	243359	***Municipality No:***	20107
Year:		***Nature of Damage:***	
Incident Dt:	10/26/2002	***Discharger Report:***	
Dt MOE Arvl on Scn:		***Material Group:***	
MOE Reported Dt:	10/26/2002	***Health/Env Conseq:***	
Dt Document Closed:		***Agency Involved:***	FIRE DEPT, WORKS, POLICE
Site No:			
MOE Response:			
Site County/District:			
Site Geo Ref Meth:			
Site District Office:			
Nearest Watercourse:			
Site Name:			
Site Address:			
Site Region:			
Site Municipality:	OTTAWA CITY		
Site Lot:			
Site Conc:			
Site Geo Ref Accu:			
Site Map Datum:			
Northing:			

Easting:
Incident Cause: UNKNOWN
Incident Event:
Environment Impact: POSSIBLE
Nature of Impact: Multi Media Pollution
Contaminant Qty:
System Facility Address:
Client Name:
Client Type:
Source Type:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND, WATER
Incident Reason: UNKNOWN
Incident Summary: NEPEAN F/D: UKN TRUCK LEA-KING FURNACE OIL TO ROAD AND SEWER. CAUSED MVA
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:

Site: ***Petro Canada Fuels<UNOFFICIAL>***
West of Eagleson Ottawa ON

Database: ***SPL***

Ref No: 7820-9Q5NJP
Year:
Incident Dt: 2014/10/22
Dt MOE Arvl on Scn:
MOE Reported Dt: 2014/10/22
Dt Document Closed: 2014/10/24
Site No: NA
MOE Response: No Field Response
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name: Fallowfield Rd<UNOFFICIAL>
Site Address: West of Eagleson
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Incident Cause: Unknown / N/A
Incident Event:
Environment Impact: Not Anticipated
Nature of Impact: Soil Contamination
Contaminant Qty: 50 L
System Facility Address:
Client Name: Petro Canada Fuels<UNOFFICIAL>
Client Type:
Source Type:
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium:
Incident Reason: Unknown / N/A
Incident Summary: Petro Canada Fuels, 50L Diesel to rd, Cln

Municipality No:
Nature of Damage:
Discharger Report:
Material Group:
Health/Env Conseq:
Agency Involved:

Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type: Truck - Tanker
SAC Action Class: Highway Spills (usually highway accidents)
Call Report Locatn Geodata:

Site:
lot 25 ON

Database:
WWIS

Well ID: 1525674
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 92040
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GOULBOURN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 10/21/1991
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 025
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047409
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 07/29/1991
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931061987
Layer: 1
Color: 2
General Color: GREY
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 2.0

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931061988
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 2.0
Formation End Depth: 223.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961525674
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10595979
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930082986
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 223.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930082985
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991525674
Pump Set At:
Static Level: 45.0

Final Level After Pumping: 210.0
Recommended Pump Depth: 210.0
Pumping Rate: 5.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934649246
Test Type:
Test Duration: 45
Test Level: 210.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934906426
Test Type:
Test Duration: 60
Test Level: 210.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934105049
Test Type:
Test Duration: 15
Test Level: 210.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934388708
Test Type:
Test Duration: 30
Test Level: 210.0
Test Level UOM: ft

Water Details

Water ID: 933484726
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 120.0
Water Found Depth UOM: ft

Water Details

Water ID: 933484727
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 218.0
Water Found Depth UOM: ft

Site:
lot 26 ON

Database:
WWIS

Well ID:	1534115	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Not Used	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Not A Well	***Date Received:***	09/08/2003
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	261120	***Contractor:***	6907
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	026
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	RICHMOND VILLAGE		
Site Info:			

Bore Hole Information

Bore Hole ID:	10543230	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	07/09/2003	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Loc Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Method of Construction & Well Use

Method Construction ID:	961534115
Method Construction Code:	0
Method Construction:	Not Known
Other Method Construction:	

Pipe Information

Pipe ID:	11091800
Casing No:	1
Comment:	
Alt Name:	

Site:
con 3 ON

Database:
WWIS

Well ID:	1521314	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1

Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 04583
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GOULBOURN TOWNSHIP
Site Info:

Date Received: 05/20/1987
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot:
Concession: 03
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10043136
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 04/13/1987
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931047545
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 8.0
Formation End Depth: 167.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931047543
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 4.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931047544
Layer: 2
Color: 6
General Color: BROWN
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Mat2 Desc: BOULDERS
Mat3: 79
Mat3 Desc: PACKED
Formation Top Depth: 4.0
Formation End Depth: 8.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931047546
Layer: 4
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2: 73
Mat2 Desc: HARD
Mat3: 78
Mat3 Desc: MEDIUM-GRAINED
Formation Top Depth: 167.0
Formation End Depth: 224.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961521314
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10591706
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930075315
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 224.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID:	930075314
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991521314
Pump Set At:	
Static Level:	6.0
Final Level After Pumping:	20.0
Recommended Pump Depth:	30.0
Pumping Rate:	30.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934651239
Test Type:	Draw Down
Test Duration:	45
Test Level:	20.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934909447
Test Type:	Draw Down
Test Duration:	60
Test Level:	20.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934390092
Test Type:	Draw Down
Test Duration:	30
Test Level:	20.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934105993
Test Type:	Draw Down
Test Duration:	15
Test Level:	20.0
Test Level UOM:	ft

Water Details

Water ID:	933478820
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	150.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933478821
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	218.0
Water Found Depth UOM:	ft

Site:
con 3 ON

Database:
WWIS

Well ID:	1521473	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	07/09/1987
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	04634	***Contractor:***	1558
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	
Depth to Bedrock:		***Concession:***	03
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	10043295	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	06/03/1987	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Loc Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931048173

Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 81
Mat2 Desc: SANDY
Mat3: 13
Mat3 Desc: BOULDERS
Formation Top Depth: 8.0
Formation End Depth: 17.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931048172
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 8.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931048174
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 78
Mat2 Desc: MEDIUM-GRAINED
Mat3:
Mat3 Desc:
Formation Top Depth: 17.0
Formation End Depth: 135.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961521473
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10591865
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930075610

Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 25.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930075611
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 135.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930075609
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991521473
Pump Set At:
Static Level: 7.0
Final Level After Pumping: 12.0
Recommended Pump Depth: 70.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934106539
Test Type: Draw Down
Test Duration: 15
Test Level: 12.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934390639
Test Type: Draw Down

Test Duration: 30
Test Level: 12.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934908874
Test Type: Draw Down
Test Duration: 60
Test Level: 12.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934651783
Test Type: Draw Down
Test Duration: 45
Test Level: 12.0
Test Level UOM: ft

Water Details

Water ID: 933479049
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 90.0
Water Found Depth UOM: ft

Water Details

Water ID: 933479050
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 131.0
Water Found Depth UOM: ft

Site:
lot 25 ON

Database: ***WWIS***

Well ID: 1523747
Construction Date:
Use 1st: Industrial
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 49862
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: OTTAWA CITY
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 08/04/1989
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 025
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10045521
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/12/1989
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931055593
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 82
Mat2 Desc: SHALY
Mat3:
Mat3 Desc:
Formation Top Depth: 32.0
Formation End Depth: 250.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931055592
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 32.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961523747
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10594091
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930079668
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 250.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930079667
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 36.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991523747
Pump Set At:
Static Level: 19.0
Final Level After Pumping: 100.0
Recommended Pump Depth: 100.0
Pumping Rate: 14.0
Flowing Rate:
Recommended Pump Rate: 14.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934651310
Test Type:
Test Duration: 45
Test Level: 100.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934106105
Test Type:
Test Duration: 15
Test Level: 100.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934390332

Test Type:
Test Duration: 30
Test Level: 100.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934908516
Test Type:
Test Duration: 60
Test Level: 100.0
Test Level UOM: ft

Water Details

Water ID: 933482123
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 225.0
Water Found Depth UOM: ft

Water Details

Water ID: 933482122
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 60.0
Water Found Depth UOM: ft

Site:
RICHMOND OAKS LOT 7 lot 25 con 3 RICHMOND ON

Database: ***WWIS***

Well ID: 7119252
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: Z84474
Tag: A051592
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GOULBOURN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 02/12/2009
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot: 025
Concession: 03
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1002010955
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 01/20/2009

Elevation:
Elevrc:
Zone: 18
East83: 435005.00
North83: 5064467.00
Org CS: UTM83
UTMRC: 9
UTMRC Desc: unknown UTM

Remarks: ***Location Method:*** wwr
Loc Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 1002482459
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 13
Mat2 Desc: BOULDERS
Mat3: 81
Mat3 Desc: SANDY
Formation Top Depth: 0.0
Formation End Depth: 5.789999961853027
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1002482460
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3: 78
Mat3 Desc: MEDIUM-GRAINED
Formation Top Depth: 5.789999961853027
Formation End Depth: 37.47999954223633
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1002482463
Layer: 1
Plug From: 0.0
Plug To: 9.4399995803833
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1002482489
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction: AIR PERCUSSION

Pipe Information

Pipe ID: 1002482457
Casing No: 0
Comment:

Alt Name:

Construction Record - Casing

Casing ID: 1002482465
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: -0.44999998807907104
Depth To: 9.4399995803833
Casing Diameter: 15.859999656677246
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002482466
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1002482458
Pump Set At: 19.809999465942383
Static Level: 4.409999847412109
Final Level After Pumping: 9.270000457763672
Recommended Pump Depth: 19.809999465942383
Pumping Rate: 54.599998474121094
Flowing Rate:
Recommended Pump Rate: 45.5
Levels UOM: m
Rate UOM: LPM
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: 1002482477
Test Type: Recovery
Test Duration: 4
Test Level: 4.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002482483
Test Type: Draw Down
Test Duration: 25
Test Level: 9.170000076293945
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002482486
Test Type: Draw Down
Test Duration: 50
Test Level: 9.279999732971191
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002482468
Test Type: Recovery
Test Duration: 1
Test Level: 7.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002482478
Test Type: Draw Down
Test Duration: 5
Test Level: 8.300000190734863
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002482480
Test Type: Draw Down
Test Duration: 10
Test Level: 8.829999923706055
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002482471
Test Type: Draw Down
Test Duration: 3
Test Level: 7.599999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002482472
Test Type: Recovery
Test Duration: 3
Test Level: 4.710000038146973
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002482482
Test Type: Draw Down
Test Duration: 20
Test Level: 9.140000343322754
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002482467
Test Type: Draw Down
Test Duration: 1
Test Level: 6.190000057220459
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002482479
Test Type: Recovery
Test Duration: 5
Test Level: 4.389999866485596
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002482487
Test Type: Draw Down
Test Duration: 60
Test Level: 9.270000457763672
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002482481
Test Type: Draw Down
Test Duration: 15
Test Level: 9.020000457763672
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002482484
Test Type: Draw Down
Test Duration: 30
Test Level: 9.220000267028809
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002482470
Test Type: Recovery
Test Duration: 2
Test Level: 5.300000190734863
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002482485
Test Type: Draw Down
Test Duration: 40
Test Level: 9.270000457763672
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002482469
Test Type: Draw Down
Test Duration: 2
Test Level: 7.050000190734863
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1002482473
Test Type: Draw Down
Test Duration: 4
Test Level: 8.010000228881836
Test Level UOM: m

Water Details

Water ID:	1002482464
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	34.400001525878906
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1002482462
Diameter:	15.390000343322754
Depth From:	9.4399995803833
Depth To:	37.47999954223633
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	1002482461
Diameter:	15.859999656677246
Depth From:	0.0
Depth To:	9.4399995803833
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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

This database of licensed and permitted pits and quarries is maintained by the Ontario Ministry of Natural Resources and Forestry (MNRF), as regulated under the Aggregate Resources Act, R.S.O. 1990. Aggregate site data has been divided into active and inactive sites. Active sites may be further subdivided into partial surrenders. In partial surrenders, defined areas of a site are inactive while the rest of the site remains active.

Government Publication Date: Up to Nov 2023

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-Mar 2022

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-Oct 31, 2023

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 2022

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: Oct 2023

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-Oct 31, 2023

Compressed Natural Gas Stations: Private CNG

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

Government Publication Date: Dec 2012 -Nov 2023

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-Jan 2024

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994 - Feb 29, 2024

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 - Aug 2023

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: Oct 2023

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-Feb 29, 2024

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 - Feb 29, 2024

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-Feb 29, 2024

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-Dec 31, 2023

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: Apr 30, 2022

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, 2022

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: Oct 2023

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-Mar 2024

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: Oct 31, 2021

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: Oct 2023

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-Oct 31, 2022

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 2021

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: 31 Oct, 2023

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: Mar 31, 2022

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Feb 2024

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, 2022

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-Nov 2023

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Jun 30, 2021

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 1993-2020: Federal NPR2

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of pollutant releases (to air, water and land), disposals, and transfers for recycling. The inventory, managed by Environment and Climate Change Canada, tracks over 300 substances. Under the authority of the Canadian Environmental Protection Act (CEPA), owners or operators of facilities that meet published reporting requirements are required to report to the NPRI.

Government Publication Date: Sep 2020

National Pollutant Release Inventory - Historic: 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. This data holds historic records; current records are found in NPR2.

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-Feb 29, 2024

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-Aug 2023

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 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 - Feb 29, 2024

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-Feb 29, 2024

NPRI Reporters - PFAS Substances: Federal PFCH

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This listing of PFAS substance reporters includes those NPRI facilities that reported substances that are found in either: a) the Comprehensive Global Database of PFASs compiled by the Organisation for Economic Co-operation and Development (OECD), b) the US Environmental Protection Agency (US EPA) Master List of PFAS Substances, c) the US EPA list of PFAS chemicals without explicit structures, or d) the US EPA list of PFAS structures (encompassing the largest set of structures having sufficient levels of fluorination to potentially impart PFAS-type properties).

Government Publication Date: Sep 2020

Potential PFAS Handers from NPRI: Federal PFHA

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This list of potential PFAS handlers includes those NPRI facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used, or released by the facility - these are facilities that potentially handle PFAS based on their industrial profile.

Government Publication Date: Sep 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: Feb 28, 2021

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 PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - Feb 29, 2024

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: 1986-1990, 1992-2021

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). The Government of Ontario states that it is not responsible for the accuracy of the information in this Registry.

Government Publication Date: 1997-Sept 2001, Oct 2004-Mar 2024

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-Oct 31, 2023

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 by 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. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: 1988-Jan 2023; Mar 2023-Dec 2023

Wastewater Discharger Registration Database: Provincial SRDS

Facilities that report either municipal treated wastewater effluent or industrial wastewater discharges under the Effluent Monitoring and Effluent Limits (EMEL) and Municipal/Industrial Strategy for Abatement Regulations. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment keeps record of 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.

Government Publication Date: 1990-Dec 31, 2021

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 - Apr 2023

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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

Government Publication Date: Feb 28, 2022

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-Feb 29, 2024

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Mar 31 2023

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX 3

QUALIFICATIONS OF ASSESSORS

PATERSON GROUP
solution oriented engineering

Mark Bujaki, B.Sc., MBA
Junior Environmental Scientist

Mark joined Paterson Group in 2024 as part of the Environmental Division. Mark received his Bachelor of Science from Carleton University in 2016, his Master of Business Administration from the Sprott School of Business in 2018 and a Graduate Certificate in Environmental Management and Assessment from Algonquin College in 2019. In his time at Paterson, Mark has been involved in residential and commercial projects within Ontario and Quebec. He has completed environmental sampling programs, Phase I environmental site assessments, excess soil testing and the associate reporting. His scope of work consists of environmental investigation and reporting, field inspections, soil and groundwater sampling, remediation supervision, and ensuring compliance to applicable regulatory standards.

EDUCATION

Honours Bachelor of Science Earth Sciences
Minor in Biology
2016
Carleton University

Master of Business Administration
2018
Carleton University

Graduate Certificate: Environmental Management and Assessment
2019
Algonquin College

YEARS OF EXPERIENCE

4 years

Thomas Cavanagh Construction
Environmental Technician
4 years

Paterson Group
2024-Present

OFFICE LOCATION

9 Auriga Drive, Ottawa, Ontario, K2E 7T9

SELECT LIST OF PROJECTS

- Kanata South Link, Ottawa, ON – Monitoring for Species At Risk, Erosion and Sediment Control Monitoring and Reporting, Permit to Take Water Monitoring and Reporting
- Strandherd Dr. Widening, Ottawa, ON – Monitoring for Species At Risk, Erosion and Sediment Control Monitoring and Reporting, PTTW Monitoring and Reporting
- Kennedy Burnett Stormwater Management Pond Retrofit, Ottawa, ON – Groundwater Monitoring, Fish Salvage, Erosion and Sediment Control, Species at Risk Monitoring
- Eagleson Rd Watermain Repair, Ottawa, ON – Monitoring and testing groundwater for compliance with City of Ottawa Sewer use agreement
- Valley Drive Sewer Reconstruction, Ottawa, ON – Erosion and Sediment Control, SSA Compliance and EASR Reporting
- Kanata West Development, Ottawa, ON – Water Quality Monitoring, Erosion and Sediment Control
- Environmental Compliance Approvals - Various, ON – Site Inspections, Water Quality Testing, ESC, Operational Functionality
- Canadian Nuclear Laboratories - Near Surface Disposal Facility, Chalk River, ON – Environmental Plan Supervision and Consultation

PROFESSIONAL EXPERIENCE

2024 to present, **Junior Environmental Scientist, Paterson Group**, Ottawa, Ontario

- Conducting Phase I Environmental Site Assessments in accordance with CSA standards and O.Reg. 153/04.
- Presenting analytical test results, interpretations, assessments, recommendations, and conclusions in a final technical report.
- Field experience in the supervision of drilling and excavation contractors, inspection of aboveground and underground fuel storage tanks, soil classification, soil and groundwater field sampling.
- Liaising with clients, contractors, and consultants.

2019 to 2024, **Environmental Technician, Thomas Cavanagh Construction**, Ottawa, Ontario

- Water and soil sampling for laboratory submission.
- Interpreting and reporting analytical test results.
- Erosion and sediment control plan development and implementation.
- Nesting bird and wildlife surveys / species at risk monitoring.
- Actively coordinated daily between multiple foremen, project managers, contract administrators and project owners to ensure project needs are satisfied.
- Reviewing and consulting on environmental policies and best practices as part of a multi-stakeholder partnership.
- Planning, permitting, and leading for and conducting fish salvages in rivers, creeks and stormwater management ponds, using backpack electrofisher.
- Environmental compliance with City of Ottawa, Lanark County, Renfrew County, Provincial legislation, and Federal Legislation
- Spill remediation planning and implementation.
- EASR and PTTW application, monitoring, and compliance.

PATERSON GROUP

solution oriented engineering

Karyn Munch, P.Eng., QP$_{ESA}$
Senior Project Manager

Karyn received her Bachelor of Engineering from Carleton University in 2002 in Environmental Engineering. Upon graduation Karyn began working as a consultant for Dessau Soprin Inc. After one year of working for Dessau, Karyn joined the Paterson Group in the Environmental Division. Karyn has worked for Paterson for 19 years and has accrued extensive field and office experience. Karyn's experience working in the field ranges from Phase I site reviews, Phase II investigations, Remediation site inspections and designated substance surveys. Through her eight years of field experience, Karyn has obtained invaluable knowledge on contractor relationships, budgets, time management, consultant/owner relation, quality data and information, and working with a variety of different personnel and situations. Since 2012, Karyn has moved into a more senior role by becoming a qualified person for environmental assessments, overseeing small to large scale environmental projects, which include, Phase I and II reports, Record of Site Conditions and Brownfield Applications. Karyn has assisted with Mark D'Arcy in the development of young staff and continuous improvement of Paterson internal systems.

EDUCATION
B.Eng. 2002, Environmental Engineering
Carleton University
Ottawa,ON

LICENCE/ PROFESSIONAL AFFILIATIONS
Ontario Society of Professional Engineers

YEARS OF EXPERIENCE
With Paterson: 19

With other firms: 2

OFFICE LOCATION
9 Auriga Drive, Ottawa, Ontario, K2E 7T9

SELECT LIST OF PROJECTS

- The Ridge Subdivision, Ottawa ON, Phase I ESA, Phase II ESA, Phase III ESA, Environmental Soil Remediation and filing of a Record of Site Condition (RSC) in the MECP Environmental Site Registry (Project Manager)
- Claridge Moon, Ottawa ON, Phase I ESA, Phase II ESA (Project Manager) and filing of an RSC in the MECP Environmental Site Registry (Project Manager)
- Ottawa University Desmarais Building, Ottawa, ON, Soil Remediation and Redevelopment (Project Manager)
- Rideau Centre Expansion, Ottawa, ON, Soil Remediation Program and RSC (Project Manager)
- Brownfields Applications – Residential and Commercial Redevelopment - Ottawa, Ontario
- Lees Avenue Remediation and Reconstruction, Ottawa, ON (Field Manager)
- Phase I and Phase II Investigations in accordance with CSA standards and O.Reg 153/04

PROFESSIONAL EXPERIENCE

June 2011 to present, **Senior Environmental Engineer, Paterson Group**, Ottawa, Ontario

- Provide on-site environmental expertise for various soil and groundwater remediation projects including but not limited to the following: 222 Beechwood Remediation, 1000 Wellington Street West Remediation, 409 MacKay Street and Rideau Centre Expansion.
- Oversee Phase I and Phase II Investigations in accordance with CSA standards and O.Reg 153/04 on a variety of residential and commercial developments.
- Responsible for filing Records of Site Condition with the MOECC Environmental Site Registry.
- Preparation of submissions to the City of Ottawa's Brownfields Redevelopment Program.
- Problem solving to help advance or maintain project schedules.
- Complete environmental reports with recommendations for environmental concerns.
- Liaising with contractors, consultants, and government officials.
- Provide cost estimates for environment field programs and construction costs.
- Review RFI's, submittals, monthly progress reports and other various construction related work.

June 2009 to June 2010, **Environmental Officer, Department of Indigenous and Northern Affairs (INCAC)**, Ottawa, Ontario

- Provided guidance and support regarding various aspects of the Contaminated Sites Management Plan (CSMP) and the Canadian Accelerated Action Plan (CEAP), to regional INAC offices.
- Reported to Federal Contaminated Sites Action Plan (FCSAP) Secretariat on monthly and quarterly CSMP progress.
- Completion of various reporting requirements including Privy Council Office (PCO) requests regarding accelerated remediation projects, Annual Reference Level Updating, Internal Quarterly Reports and First Nation Land Management (FNLM) Class 3 Remediation Projects
- Composition and revision of Three-Year CSMP and the Contaminated Sites Program Renewal.
- Management of various databases including ESSIMS (internal to INAC), IDEA (Environment Canada) and CIDM (electronic filing system) and Federal Contaminated Sites Inventory (FCSI).
- Interacted on a regular basis with other federal departments, other INAC sectors, regional INAC offices and senior management.
- Participated in Aquatic Sites Working Group (ASWG), Contaminated Sites Management Working Group (CSMWG) and Environmental Learning Regime workshops/workgroups.

January 2003 to June 2009, **Environmental Engineer, Paterson Group**, Ottawa, Ontario

- Experience in coordination and management of a variety of environmental projects. Typical projects include Phase I-Environmental Site Assessments (ESAs), Phase II and III-Environmental Site Characterizations, Soil and Groundwater Remediation Programs, Designated Substance Surveys and the preparation of Records of Site Condition.
- Coordination of contractors and field staff while directly reporting to senior management and client throughout the project to ensure completion on schedule and within budget.
- Experience in collaborating with provincial and municipal bodies as well as sub-consultants, contractors and clients.
- Extensive field experience including the management of drilling and excavation contractors, inspection of aboveground and underground fuel storage tanks, soil classification, soil and groundwater sampling, collection of hazardous building materials and designated substances.
- Responsible for the application of environmental, hydrogeological and geotechnical principles and practices in the identification and delineation of soil and groundwater contamination plumes and ensuring compliance with federal, provincial and/or municipal legal and regulatory requirements.
- Present analytical test results, interpretations, assessments, recommendations and/or conclusions in a final technical report.

August 2002 to December 2002, **Junior Engineer, Dessau Soprin Inc.,** Ottawa, Ontario

- Responsible for supervision of weight-scale and record keeping for soil management practices.
- Managed excavation contractors to ensure soil quality control; daily reporting to project manager.