PATERSON GROUP

Phase I Environmental Site Assessment

4828 Bank Street
Ottawa, Ontario

Prepared for Bank and Dun Developments Inc.

Report: PE6762-1
Date: October 1, 2024

TABLE OF CONTENTS

List of Figures

List of Appendices

EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by Bank & Dun Developments Inc., to conduct a Phase I-Environmental Site Assessment (ESA) for 4828 Bank Street, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and 250m Phase I Study Area, and to identify any environmental concerns with the potential to have impacted the Phase I Property.

Based on the available historical information, the Phase I Property has always been vacant, undeveloped land and was being used for agricultural purposes till circa 1991. The Phase I Property was being used as construction staging area from 2019 during the residential development of the surrounding area. Based on aerial photographs and site visit, possible fill material was identified placed on the Phase I property. The material is considered as reworked native material placed during residential development of the area and is not considered to represent an environmental concern to the Phase I Property.

The majority of surrounding lands within the Phase I Study Area were historically used for agricultural or were vacant with some residential and commercial use along the Bank Street. Four off-site historical potentially contaminating activities (PCAs) were identified in the Phase I Study Area. These include a former bulk fuel facility with one former UST, a historical non-PCB transformer oil spill, a former commercial auto body shop and a former concrete plant. Based on the separation distance and/or downgradient orientation with respect to the Phase I Property and previous engineering reports, these off-site PCAs are not considered to represent an environmental concern to the Phase I Property.

Following the historical research, a site visit was conducted. The Phase I Property is currently vacant land. Land use within the Phase I Study consists of properties used for residential and commercial purposes and one community building. One existing off-site PCA was identified within the Phase I Study Area: an AST at 4810 Bank Street, approximately 160m north of the Phase I Property. Based on the separation distance and downgradient orientation with respect to the Phase I Property the identified AST is not considered to represent an APEC on the Phase I Property.

Recommendations

Based on the findings of the Phase I ESA, it is **our opinion that a Phase II-Environmental Site Assessment is not required for the Phase I Property.**

1.0 INTRODUCTION

At the request of Bank and Dun Developments Inc., Paterson Group (Paterson) conducted a Phase I-Environmental Site Assessment (Phase I-ESA) for 4828 Bank Street, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and 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 subject land.

Paterson was engaged to conduct this Phase I-ESA by Mr. Paul Paglialunga with Bank and Dun Developments Inc. Mr. Paglialunga can be reached by telephone at (416)-700-3007.

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

This Phase I-ESA report has been prepared in general accordance with Ontario Regulation (O.Reg.) 153/04, as amended, under the Environmental Protection Act, and CSA Z768-01 (reaffirmed 2022). 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:	4828 Bank Street, Ottawa, Ontario.
Legal Description:	Block 241; Registered Plan 4M-1617; City of Ottawa.
Property Identification Number (PIN):	04328-4465.
Location:	The Phase I Property is located on the northwest side of the intersection of Bank Street Dun Skipper Drive, in the City of Ottawa, Ontario. For the purposes of this report, Bank Street is considered to run north-south. Refer to Figure 1 - Key Plan in the Figures section following the text.
Latitude and Longitude:	45° 18’ 38.11" N, 75° 35' 21.68" W

Site Description:

Configuration:	Irregular
Area:	2.93 ha (approximate)
Zoning:	GM – General Mixed-Use Zone
Current Use:	The Phase I Property is currently vacant, undeveloped land.
Services:	There are no services on the Phase I property, however it is expected that municipal services will be installed during construction for the proposed development. The Phase I Property is located in a municipally serviced area.

3.0 SCOPE OF INVESTIGATION

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

- ❑ Determine the historical activities on the Phase I property 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 subject properties, and if warranted, neighbouring properties;
- ❑ Present the results of our findings in a comprehensive report in general accordance with the requirements of O.Reg. 153/04, as amended, under the Environmental Protection Act, and CSA Z768-01 (reaffirmed 2022);
- ❑ 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 250m was determined to be appropriate as a Phase I Study Area for this assignment. Properties outside the 250m radius are not considered to have impacted the subject land, based on their significant distance from the site.

First Developed Use Determination

Based on a review of available historical information, the Phase I Property has never been developed and was being used as agricultural land till circa 1991. The Phase I Property was being used as construction staging area from 2019 during the residential development of the surrounding area. The Phase I Property is currently vacant, undeveloped land.

Fire Insurance Plans (FIPs)

Fire Insurance Plans (FIPs) are not available for the Phase I Property or the neighboring properties.

City of Ottawa Street Directories

City of Ottawa street directories for the Phase I-ESA Property and neighbouring properties in the Phase I Study Area were reviewed in approximate ten (10) year intervals, between 1940 and 2011.

No listings for the Phase I Property were found in the City directories.

Neighbouring properties in the Phase I Study Area were historically listed as commercial and residential land uses.

One off-site potentially contaminating activity (PCA) was, identified within the Phase I Study Area from a review of the City of Ottawa street directories. A unit in the property addressed 4806 Bank Street, approximately 170m north of the Phase I Property was listed as Dom's Auto Body in year 2011. Based on the separation distance and down-gradient orientation with respect to the Phase I Property, identified off-site PCA is not considered to represent an area of potential environmental concern on the Phase I Property.

The PCA identified during a review of the City of Ottawa street directories is illustrated on Drawing PE6762-2 – Surrounding Land Use Plan, provided in the Figures section following the text.

Chain of Title

Given the available information, it was determined that the results of a chain of title search would not contribute to the environmental assessment for the Phase I Property. Therefore, a chain of title search was not completed as part of this assessment.

Plan of Survey

A topographic plan of survey for the Phase I Properly, prepared by J.D. Barnes Ltd. was reviewed as part of the Phase I ESA. The plan shows the Phase I Property in its current configuration. A copy of the topographic plan of survey is provided in Appendix 1.

Previous Environmental Reports

The following report was reviewed prior to conducting this assessment:

- ‘Phase I Environmental Site Assessment, 4800 and 4834 Bank Street, Remer Lands, Ottawa, Ontario’, prepared by Golder Associates Ltd., dated October 2014.

According to historical research conducted as part of the 2014 Phase I ESA, much of the Site located at 4800 Bank Street was forested with some formerly cleared land areas, and wetland areas on the western portion of the Site. The southeast corner of the Site located at 4834 Bank Street was occupied by a residential house built in 1973/1974 and a two-car garage. No potentially contaminating activities (PCAs) were identified on the Phase I property or within the Phase I Study Area.

The property addressed 4836 Bank Street was identified as the former bulk fuel facility – UCO Petroleum Inc. with an associated former underground storage tank. Based on the reports of past investigations completed by XCG Environmental Services and Pinchin, the UST was located about 85m south from the current Phase I Property. It was noted that the source area of contamination was remediated in 1994 by XCG. The remediation efforts were successful in achieving the then applicable Level 2 (or better) Interim Guideline clean-up criteria values at all portions of the excavation with the exception of one location under the building foundation. Benzene was present at a concentration between Level 2 and Level 3 Interim Guideline criteria, however according to XCG further excavation was not

attempted because of the possible effect on the structural integrity of the building and low environmental impact presented by the remaining tainted soils. The level of remnant soil contamination was indicated to not greatly exceed the MOE standards at the time of the Golder report. Based on the reports and remediation activity, it was reported that a Phase II ESA on the Site was not required in relation to the former UST.

It was recommended that any identified surface debris be disposed of at a licensed landfill during site development. It was also advised that the septic system associated with the residential house be decommissioned before redevelopment. Given the construction year of the house, sampling and testing of potential asbestos-containing materials (ACMs) in accordance with O. Reg 278/05 was advised prior to any demolition activities.

Based on the findings of the Phase I ESA, a Phase II ESA was not required for the Phase I property.

The 2014 Phase I Environmental Site Assessment (ESA) covers a large property, which includes the current Phase I Property, located in the southeast corner of the original site.

The property addressed 4836 Bank Street, approximately 25m south of the Phase I Property was identified as former bulk fuel facility – UCO Petroleum Inc. with one UST and considered as a potentially contaminating activity (PCA). Based on the 2014 Phase I ESA by Golder, the former UST was located approximately 85m south of the current Phase I Property. Based on the separation distance with respect to the Phase I Property and previous remediation activities on the 4836 Bank Street property, the identified off-site PCA is not considered to represent an APEC on the Phase I Property.

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on September 19, 2024. 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 identified 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) on September 19, 2024. The search did not reveal any areas of natural significance within the Phase I Study Area.

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

A request was submitted to the MECP FOI office for information with respect to reports related to environmental conditions for the Phase I Property. A response from the MECP had not been received prior to the issuance of this report. A copy of the response will be forwarded to the client if it contains any pertinent information.

MECP Instruments

A request was submitted to the MECP Freedom of Information (FOI) office for information with respect to certificates of approval, permits to take water, certificates of property use or any other similar MECP issued instruments for the site. A response from the MECP had not been received prior to the issuance of this report. A copy of the response will be forwarded to the client if it contains any pertinent information.

MECP Waste Management Records

A request was submitted to the MECP FOI office for information with respect to waste management records. A response from the MECP had not been received prior to the issuance of this report. A copy of the response will be forwarded to the client if it contains any pertinent information.

MECP Submissions

A request was submitted to the MECP FOI office for information with respect to reports related to environmental conditions for the Phase I Property. A response from the MECP had not been received prior to the issuance of this report. A copy of the response will be forwarded to the client if it contains any pertinent information.

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, inspections maintained by the MECP for the Phase I Property or neighbouring properties. A response from the MECP had not been received prior to the issuance of this report. A copy of the response will be forwarded to the client if it contains any pertinent information.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry (ESR) was conducted as part of this assessment for the site, neighbouring properties and the general area of the site. No record of site condition (RSC) was identified for the Phase I Property or surrounding properties 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. No waste disposal sites were listed in the database for the Phase I Property or properties within the Phase I Study Area.

Technical Standards and Safety Authority (TSSA)

The TSSA, Fuels Safety Branch in Toronto, was contacted electronically on September 20, 2024, to inquire about current and former underground/aboveground storage tanks, spills, and incidents for the subject and neighbouring properties. The response from the TSSA indicated that no records were listed in the TSSA registry for the Phase I Property. Two records were identified for the property at 4815 Bank Street, located approximately 55m northwest of the Phase I Property. The first record relates to an expired propane tank, and the second to an expired propane refill center. Based on the nature of these records, they are not considered to pose an environmental concern to the Phase I Property. Additionally, one record was found for the property at 4836 Bank Street, about 25m south of the Phase I Property. This record pertains to an active cylinder exchange. Given that the property is used as a hardware store, it is assumed that this record is associated with a propane tank exchange facility, and therefore, it is not considered an environmental concern for the Phase I Property.

A copy of the TSSA correspondence is included in Appendix 2.

City of Ottawa Historical Land Use Inventory (HLUI)

A request for a search of the City of Ottawa's Historical Land Use Inventory (HLUI) database was submitted to the City of Ottawa. A response had not been received

at the time of issuing the report. A copy of the search results will be forwarded to the client upon receipt. A copy of the HLUI request form is provided in Appendix 2.

Environmental Risk Information Service (ERIS) Report

An Environmental Risk Information Services (ERIS) report, dated September 25, 2024, was acquired for the Phase I Property and reviewed as part of this assessment. It should be noted that the ERIS report includes information that would normally be obtained through the MECP FOI, MECP well records search as well as several other records (i.e., incident reports, waste generators, etc.). The complete ERIS report has been included in Appendix 2.

- *On-Site Records:*

A total of one record was identified for the Phase I Property.

The ERIS report identified one water well record for the Phase I Property. The water well was installed in 2018, and the record lists no other pertinent information. Based on the year of installation, the installed well is considered as a monitoring well associated with a past geotechnical and/or environmental investigation on the Phase I property. The water well record is not considered to represent an environmental concern on the Phase I Property.

- *Off-Site Records:*

A total of 49 records from various databases were identified for properties within a 250m radius of the Phase I Property (6 of which are previous ERIS searches).

The ERIS report identified two Ontario Spill records for surrounding properties within the Phase I Study Area. One Ontario Spill records was identified for the property addressed 4820 Bank Street, approximately 30m northeast of the Phase I Property. The record is dated October of 1991 and pertains to a 54 L non-PCB transformer oil onto the ground due to a storm/flood/wind. The environmental impact was indicated on the ground surface. This spill record is considered a PCA, however based on the downgradient orientation with respect to the Phase I Property the identified Ontario Spill record is not considered to represent an APEC on the Phase I Property. The remaining Ontario Spill record pertain to spill of sediment including sand and silt occurring on a vacant lot along Blais Road. Based on the separation distance and downgradient orientation with respect to the Phase I Property, the record is not considered to represent an environmental concern to the Phase I Property.

The ERIS report identified 6 Waste Generator records for surrounding properties within the Phase I study area. Two waste generator records were identified for the property addressed 4836 Bank Street, approximately 25m south of the Phase I Property related to waste generation at the former UPI Inc. and UCO Petroleum Inc. Both these businesses of former bulk fuel facility were registered for waste related to light fuels. As discussed in previous engineering report section, the identified off-site PCA associated with former bulk fuel facility and a former UST, is not considered to represent an APEC on the Phase I Property. Three waste generator records were identified for the property addressed Rural Road 6 Highway 31 and Blais Road (3151 Blais Road), approximately 225m north of the Phase I Property and pertain to waste oils and lubricants for a ready-mix concrete plant between the years 1986 and 1998. These records are considered as an off-site PCA, however based on the separation distance and downgradient orientation with respect to the Phase I Property the identified waste generator records are not considered to represent an APEC on the Phase I Property. The remaining waste generator record identified in the ERIS report contain little to no pertinent information and are not considered to be representative of a potential environmental concern to the Phase I Property.

The ERIS report identified three records related to delisted fuel tanks, and private and retail fuel storage tanks. All three records are for the property addressed 4815 Bank Street, approximately 55m northwest of the Phase I Property. These records are associated with propane tank and as discussed in TSSA section; they are not considered to represent an environmental concern on the Phase I Property.

The ERIS report identified six pesticide register records properties within Phase I Study Area. No pertinent information is listed in the records, and they are not considered to pose an environmental risk to the Phase I Property.

The ERIS report identified four environmental compliance approval record and one permit to take water record for surrounding properties within the Phase I Study Area. The records are limited to sewer and water works and are not considered to pose an environmental risk to the Phase I Property.

The ERIS report identified fifteen well records and six borehole records for surrounding properties within the Phase I Study Area, which are further discussed in the water well records section of this report.

4.3 Physical Setting Sources

Aerial Photographs

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

1945 The Phase I Property consists of agricultural land. The majority of surrounding properties consist of vacant/agricultural lands. Few residential dwellings are present to the north of the Phase I Property along Bank Street. Bank Street is present adjacent to the east of the Phase I Property.

1967 (Poor Scale) No significant changes are apparent with regard to the Phase I Property. A residential dwelling has been constructed adjacent to the north of the Phase I Property. Further residential development has occurred to the north and south of the Phase I Property, along Bank Street. An assumed commercial building has been developed to the south of the Phase I Property.

1976 No significant changes are apparent with regard to the Phase I Property. A residential dwelling has been constructed adjacent to the southeast of the Phase I Property, along Bank Street. The property to the northeast of the Phase I Property appears to be used for commercial purposes, with trailers stored on-site.

1984 (Poor Scale) No significant changes are apparent with regard to the Phase I Property or the surrounding properties.

1991 The Phase I Property currently appears to be vacant, with no signs of agricultural activity, indicating that farming use has ceased. A previously identified commercial property to the northeast has been developed with a building, and a large area is now used for vehicle storage. To the east of the Phase I Property, a building assumed to serve community purposes has been observed.

2002 No significant changes are apparent with regard to the Phase I Property. A parking area has been constructed adjacent to the previously identified community-use building to the east of the Phase I Property. The commercial property to the north has been redeveloped with newly constructed commercial buildings.

2011 — No significant changes are apparent with regard to the Phase I Property or the surrounding properties.

2022 — The southern half and eastern portions of the Phase I Property appear to have been cleared of vegetation and are currently being used as a construction staging area for nearby residential developments. A pile of fill material is located in the northwest portion of the property, likely associated with the ongoing residential development. To the west, the properties have been developed with residential dwellings. The previously existing residential dwelling adjacent to the southeast of the Phase I Property appears to have been demolished and incorporated into a city road as part of the new residential development. Additionally, the commercial property to the south has been redeveloped with a new building, and the old structure appears to have been demolished.

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, which is generally less than 150 m above sea level.

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 elevation of the Phase I Property is approximately 100m above sea level. The regional topography in the general area of the Phase I Property slopes downward to the north. 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 of sandstone and dolomite

interbed of the March Formation. Based on the maps, the surficial geology consists of till with an overburden thickness ranging from 3 to 5m.

Water Well Records

A search of the MECPs website was conducted on September 23, 2024, for all drilled well records within a 250 m radius of the Phase I Property. One well record was identified for the Phase I Property. The water well was installed in 2018, and the record lists no other pertinent information. Based on the year of installation, the installed well is considered as a monitoring well associated with a past geotechnical and/or environmental investigation on the Phase I property.

The search identified 16 well records for surrounding properties within the Phase I Study Area, four pertain to monitoring well records, dated 2019. The monitoring well records are assumed to have been installed for geotechnical purposes and/or as part of previous environmental investigations. Three records pertain to commercial supply wells between 1968 and 1980. The remaining nine record pertain to domestic supply wells installed between 1951 and 1977. Multiple properties within the Phase I Study Area are not within a service area for municipal water. As a result, it is expected that some drinking water wells are expected to remain in use within the Phase I Study Area.

In general, according to the well records, the strata in the Phase I Study Area consists of till over limestone bedrock. Limestone bedrock was encountered at depths ranging from 1.5-7.9 mbgs in the nearby well records identified within the Phase I Study Area.

Geotechnical Investigation

As part of ongoing geotechnical investigation by Paterson Group, a total of 22 boreholes were drilled on the Phase I Property. The soil profile generally consisted of fill layer of silt sand and gravel and/or crushed stone over native glacial till over bedrock. Auger refusal was encountered on inferred bedrock at depths ranging from 1.12 to 6.07m. Bedrock samples were collected from BH6-24, BH12-24, BH19-24 and BH20-24. No apparent deleterious substances or any visual or olfactory signs of potential contamination were observed in the sample collected during the geotechnical investigation.

5.0 INTERVIEWS

Property Owner Representatives

Mr. Paul Paglialunga, with Bank & Dun Development Inc., the current property owner was interviewed via e-mail correspondence as part of this assessment.

According to Mr. Paglialunga, the Phase I Property has never been developed and remains vacant. Mr. Paglialunga stated that he was unaware of any environmental concerns on the Phase I Property.

The information obtained through the interview with Mr. Paglialunga is considered to be consistent with site information obtained from other sources (aerial photos, ERIS Database Report and site observations) and is considered to be valid.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

A site visit was conducted on September 20, 2024, by Mr. Kuldeep Panchal with the Environmental Department of Paterson Group. Weather conditions at the time of the site inspection were clear and approximately 26°C. In addition to the site, the uses of neighbouring properties within the Phase I Study Area were assessed at the time of the site visit from publicly accessible areas.

6.2 Specific Observations at the Phase I Property

Buildings and Structures

No buildings or permanent structures are present on the Phase I Property.

Subsurface Structures and Utilities

The Phase I Property is located in a municipally serviced area. No utilities services are present on the Phase I Property at the time of this report. No subsurface structures were identified at the time of the site inspection.

Site Features

The Phase I Property is currently a vacant lot with gravel pad in the southern and the eastern portion. The remaining areas of the Phase I property consist of grass and trees. The gravel pad is associated with the previous use of the Phase I Property as construction staging area during the residential development of the surrounding properties.

The Phase I Property is considered to be at grade with respect to the adjacent roadways. The site topography is slightly sloped down to the north and the regional topography slopes down to the north.

Water drainage on the Phase II Property occurs via infiltration and surface runoff to ditch located along the Bank Street. Groundwater within the Phase I Study Area

is generally expected to flow towards the north. There was no standing water in the ditch or elsewhere on the property at the time of the site assessment.

Stockpiled fill material was observed in the northwest portion of the Phase I Property. As previously noted in the 2022 aerial photography section, this material is reworked native soil placed on-site during the residential development of surrounding areas. The presence of reworked native material is not considered a Potentially Contaminating Activity (PCA) on the property. Small stockpiles of various materials, including construction debris, broken concrete pieces, and asphalt, were observed in several areas of the site. It is recommended that the client remove all construction debris and stockpiled materials during the construction phase.

No drains, pits or sumps were observed on the exterior of the Phase I Property at the time of the site inspection. No evidence of current or former railway lines or spur lines on the Phase I Property was observed at the time of the site inspection.

Site features are presented on Drawing PE6762-1 – Site Plan, provided in the Figures section following the text.

Potential Environmental Concerns

- **Groundwater Monitoring Wells**

  Seven monitoring wells were identified on the Phase I Property during the site assessment. The monitoring wells are associated with the ongoing geotechnical investigation by Paterson Group on the Phase I property.

- **Fuels and Chemical Storage**

  No above ground fuel storage tanks (ASTs), or signs of USTs were observed on the exterior of the Phase I Property at the time of the site inspection. No chemicals were found to be stored on the Phase I Property.

- **Waste Management**

  No waste is currently generated on the Phase I Property.

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

  Two pole-mounted transformers were observed to the east of the Phase I Property, along the Bank Street. The transformers were noted to be in good condition, with no signs of leaks or stains observed at the time of the site inspection. The pole-mounted transformers are not considered to represent

an environmental concern to the Phase I Property.

Neighbouring Properties

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

- North - Residential dwellings, followed by commercial buildings and residential dwellings;
- Northwest - Commercial building (camping trailer dealer), followed by a vacant land ;
- South - Dun Skipper Drive, followed by a commercial building (hardware store);
- Southeast - Community building, followed by vacant lands;
- East - Vacant lands;
- West - Cedar Creek Drive, followed by residential dwellings.

Land use within the Phase I Study consists of properties used for residential and commercial purposes and one community building. An aboveground fuel storage tank (AST) was observed located on the northeast portion of the property addressed 4810 Bank Street, approximately 160m north of the Phase I Property during the site investigation. The existing AST is considered as an off-site PCA in the Phase I Study Area. Based on the separation distance and downgradient orientation with respect to the Phase I Property the identified AST is not considered to represent an APEC on the Phase I Property.

Current land use of properties within the Phase I Study Area is presented on Drawing PE 6762-2 – Surrounding Land Use Plan.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Current and Past Uses

Based on a review of available historical information, the Phase I Property has never been developed with structures and remains vacant. The Phase I Property was utilized as a construction staging area during the residential development of the surrounding properties. The southern and eastern portion of the Phase I property was cleaned of vegetation and a gravel surface was prepared for use of the property as construction staging area.

Potentially Contaminating Activities (PCAs) and Areas of Potential Environmental Concern (APECs)

Based on the findings of the Phase I ESA, no on-site PCA was identified. Five off-site PCAs (as listed in Column A, Table 2 of O.Reg.153/04) were identified within the Phase I Study Area.

- PCA 28 – Gasoline and Associated Products Storage in Fixed Tanks - this PCA is associated with the former off-site bulk fuel facility with one former UST addressed 4836 Bank Street, approximately 85m south of the Phase I Property.
- PCA 55 – Transformer Manufacturing, Processing and Use - this PCA is associated with an historical non-PCB oil transformer spill at 4820 Bank Street, approximately 30m northeast of the Phase I Property.
- PCA 28 – Gasoline and Associated Products Storage in Fixed Tanks - this PCA is associated with one existing AST observed at 4810 Bank Street, approximately 160m north of the Phase I Property.
- PCA 10 – Commercial Autobody Shops - this PCA is associated with the former off-site auto body shop addressed 4806 Bank Street, approximately 170m north of the Phase I Property.
- PCA 12 – Concrete, Cement and Lime Manufacturing - this PCA is associated with the former off-site ready-mix concrete plant addressed RR#6, Highway 31 and Blais Road (3151 Blais Road), approximately 225m north of the Phase I Property.

Based on the separation distance and/or down-gradient orientation with respect to the Phase I Property and previous investigations, the identified off-site PCAs are not considered to represent APEC on the Phase I Property.

No APECs have been identified on the Phase I Property.

The identified PCAs within the Phase I Study Area are presented on Drawing PE6762-2 – Surrounding Land Use Plan in the Figures section of this report, following the text.

Contaminants of Potential Concern (CPCs)

No Contaminants of Potential Concern (CPSs) were identified on the Phase I property.

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

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 of sandstone and dolomite interbed of the March Formation. Based on the maps, the surficial geology consists of till with an overburden thickness ranging from 3 to 5m.

As part of ongoing geotechnical investigation by Paterson Group, a total of 22 boreholes were drilled on the Phase I Property. The soil profile generally consisted of fill layer of silt sand and gravel and/or crushed stone over native glacial till over bedrock. Auger refusal was encountered on inferred bedrock at depths ranging from 1.12 to 6.07m.

The topographic maps indicate that the elevation of the Phase I Property is approximately 100m above sea level. The regional topography in the general area of the Phase I Property slopes downward to the north.

Fill Placement

Based on a review of aerial photographs and the site visit, some fill material has been placed on the Phase I Property. The fill is native reworked material stockpiled on the Phase I Property during the residential development of the surrounding properties. The presence of reworked native material is not considered a Potentially Contaminating Activity (PCA) on the property.

Water Bodies and 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) on September 19, 2024. The search did not reveal any areas of natural significance within the Phase I Study Area. The nearest body of water is the Findlay Creek, approximately 620m north of the Phase I Property.

Potable Water Wells

A search of the MECPs website was conducted on September 23, 2024, for all drilled well records within a 250 m radius of the Phase I Property. No potable well records were identified for the Phase I Property. Nine records for domestic supply wells installed between 1951 and 1977 were identified within the Phase I Study Area. Three records for commercial supply wells installed between 1968 and 1980 were identified with the Phase I Study Area. Multiple properties within the Phase I

Study Area are not within a service area for municipal water. As a result, it is expected that some drinking water wells are expected to remain in use within the Phase I Study Area.

Monitoring Wells

The search identified one monitoring well record for the Phase I Property, dated 2018. Based on the year of installation, the installed well is considered as a monitoring well associated with a past geotechnical and/or environmental investigation on the Phase I property. Additionally, seven monitoring wells were identified on the Phase I Property during the site assessment. These monitoring wells were installed as part of ongoing geotechnical investigation by Paterson Group.

The search identified 4 monitoring well records for surrounding properties within the Phase I Study Area, dated 2019. The monitoring well records are assumed to have been installed for geotechnical purposes and/or as part of previous environmental investigations.

In general, according to the well records, the strata in the Phase I Study Area consists of till over limestone bedrock. Limestone bedrock was encountered at depths ranging from 1.5-7.9 mbgs in the nearby well records identified within the Phase I Study Area.

Existing Buildings and Structures

No buildings or permanent structures are present on the Phase I Property.

Subsurface Structures and Utilities

The Phase I Property is located in a municipally serviced area. No utilities services are present on the Phase I Property at the time of this report. No subsurface structures were identified at the time of the site inspection.

Neighbouring Land Use

Land use within the Phase I Study consists of properties used for residential and commercial purposes and one community building. Current land use of properties within the Phase I Study Area is presented on Drawing PE 6762-2 – Surrounding Land Use Plan.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1 of this report, five off-site PCAs were identified within the Phase I Study Area. Based on the separation distance and/or down-gradient orientation with respect to the Phase I Property and previous investigations, the identified off-site PCAs are not considered to represent APEC on the Phase I Property.

No APECs have been identified on the Phase I Property.

The identified PCAs within the Phase I Study Area are presented on Drawing PE6762-2 – Surrounding Land Use Plan in the Figures section of this report, following the text.

Contaminants of Potential Concern

No Contaminants of Potential Concern (CPSs) were identified on the Phase I property.

Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of this Phase I- ESA is considered to be sufficient to conclude that there are no APECs on the Phase I Property. The identified off-site PCAs within the Phase I Study Area are not considered to represent APECs on the Phase I Property based on the separation distance and/or down -gradient orientation with respect to the Phase I Property and previous investigations.

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 Bank & Dun Developments Inc., to conduct a Phase I-Environmental Site Assessment (ESA) for 4828 Bank Street, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and 250m Phase I Study Area, and to identify any environmental concerns with the potential to have impacted the Phase I Property.

Based on the available historical information, the Phase I Property has always been vacant, undeveloped land and was being used for agricultural purposes till circa 1991. The Phase I Property was being used as construction staging area

from 2019 during the residential development of the surrounding area. Based on aerial photographs and site visit, possible fill material was identified placed on the Phase I property. The material is considered as reworked native material placed during residential development of the area and is not considered to represent an environmental concern to the Phase I Property.

The majority of surrounding lands within the Phase I Study Area were historically used for agricultural or were vacant with some residential and commercial use along the Bank Street. Four off-site historical potentially contaminating activities (PCAs) were identified in the Phase I Study Area. These include a former bulk fuel facility with one former UST, a historical non-PCB transformer oil spill, a former commercial auto body shop and a former concrete plant. Based on the separation distance and/or downgradient orientation with respect to the Phase I Property and previous engineering reports, these off-site PCAs are not considered to represent an environmental concern to the Phase I Property.

Following the historical research, a site visit was conducted. The Phase I Property is currently vacant land. Land use within the Phase I Study consists of properties used for residential and commercial purposes and one community building. One existing off-site PCA was identified within the Phase I Study Area: an AST at 4810 Bank Street, approximately 160m north of the Phase I Property. Based on the separation distance and downgradient orientation with respect to the Phase I Property the identified AST is not considered to represent an APEC on the Phase I Property.

8.2 Recommendations

Based on the findings of the Phase I ESA, it is **our opinion that a Phase II-Environmental Site Assessment is not required for the Phase I Property.**

9.0 STATEMENT OF LIMITATIONS

This Phase I - Environmental Site Assessment report has been prepared in general accordance with O.Reg. 153/04, as amended, and meets the requirements of CSA Z768-01 (reaffirmed 2022). 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 Phase I property 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 Bank & Dun Developments Inc. Permission and notification from Bank & Dun Developments Inc. and Paterson will be required to release this report to any other party.

Paterson Group Inc.

Kuldeep Panchal, M.Eng.

Michael Beaudoin, P.Eng, Q.P.ESA

Report Distribution:

- ❑ Bank & Dun Developments Inc.
- ❑ 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.
PCB Waste Storage Site Inventory.

Provincial Records
MECP Municipal Coal Gasification Plant Site Inventory, 1991.
MECP document titled “Waste Disposal Site Inventory in Ontario”.
MECP Brownfields Environmental Site Registry.
MNR Areas of Natural Significance.
MECP Water Well Record Inventory.
Maps and photographs (Geological Survey of Ontario surficial and subsurface mapping).
Chapman, L.J., and Putnam, D.F., 1984: ‘The Physiography of Southern Ontario, Third Edition’, Ontario Geological Survey Special Volume 2.

Municipal Records
geoOttawa: City of Ottawa electronic mapping website.
City of Ottawa Historical Land Use Inventory (HLUI) Database.

Local Information Sources
Personal Interviews
Chain of Title
Previous Engineering Reports
Environmental Risk Information Services (ERIS) Report, May 13, 2024

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

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE6762-1 – SITE PLAN

DRAWING PE6762-2 – SURROUNDING LAND USE PLAN

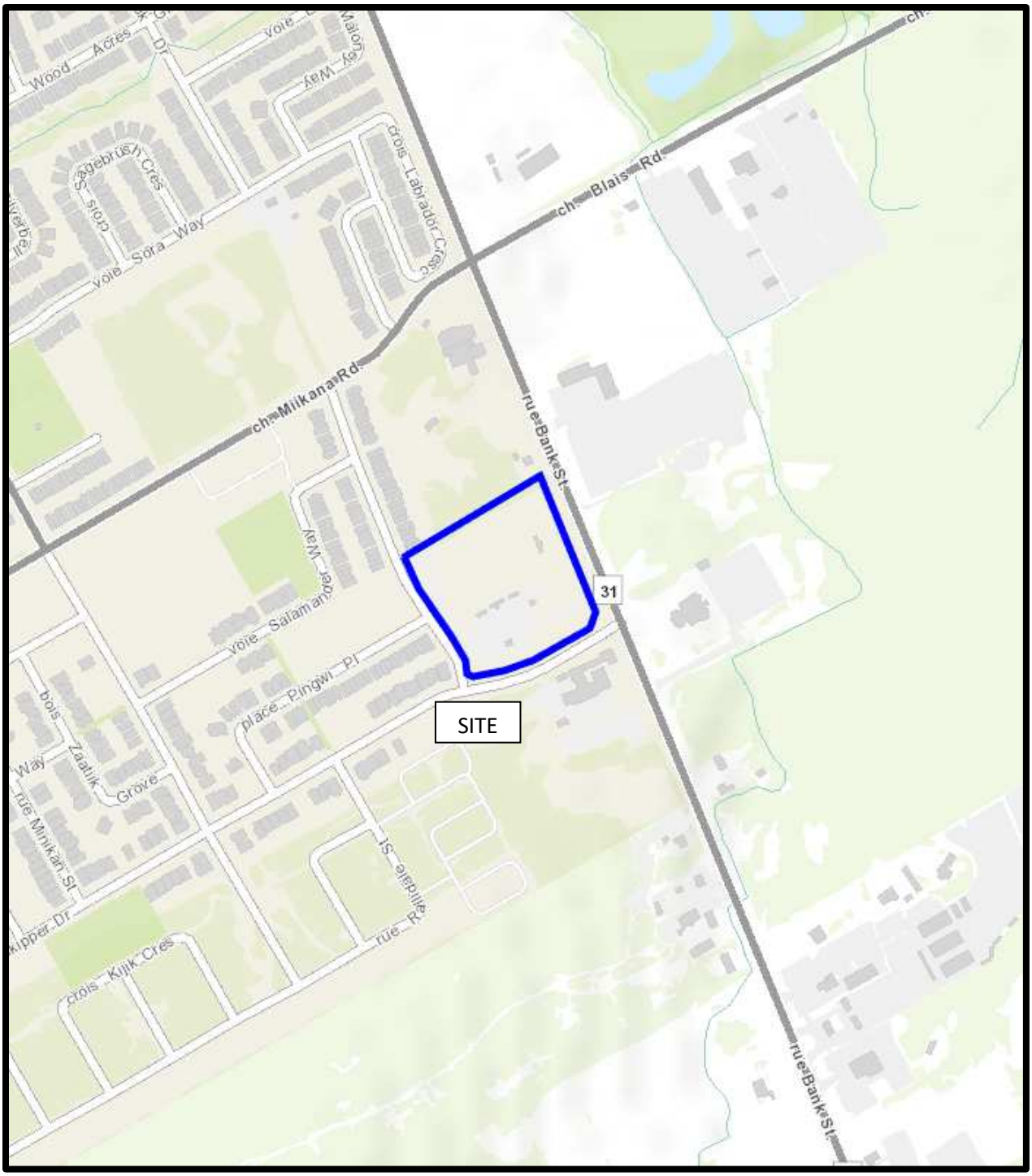


FIGURE 1

KEY PLAN

PATERSON GROUP

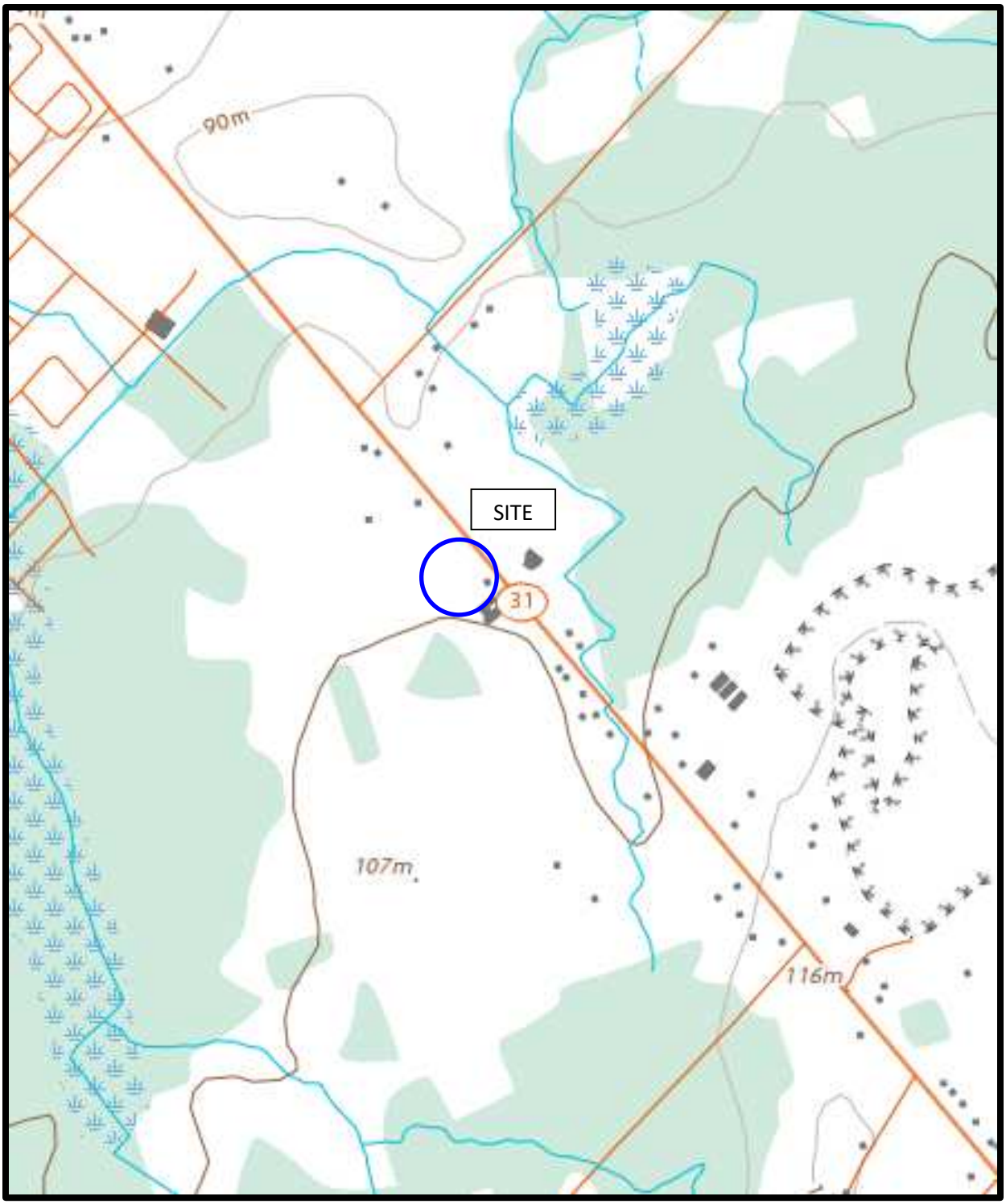


FIGURE 2

TOPOGRAPHIC MAP

60 SALAMANDER WAY DRIVE VACANT

SALAMANDER WAY DRIVE RESIDENTIAL

CEDAR CREEK DRIVE RESIDENTIAL

CEDAR CREEK DRIVE RESIDENTIAL

4816 BANK STREET RESIDENTIAL

4820 BANK ST. RESIDENTIAL

4815 BANK STREET COMMERCIAL

1055 CEDAR CREEK DRIVE RESIDENTIAL (UNDER CONSTRUCTION)

CEDAR CREEK DRIVE

TREES AND GRASSED AREA

STOCKPILE NATIVE RE-WORKED MATERIAL

GRASSED

GRAVEL PAD

BANK STREET

POLE-MOUNTED TRANSFORMERS

4828 BANK STREET VACANT

ASPHALT STOCKPILE AND BROKEN CONCRETE CHUNKS

DUN SKIPPER DRIVE RESIDENTIAL

GRAVEL

VACANT

CONSTRUCTION DEBRIS STOCKPILES

DUN SKIPPER DRIVE RESIDENTIAL

DUN SKIPPER DRIVE

4836 BANK STREET RESIDENTIAL

4835 BANK STREET COMMUNITY (HINDU TEMPLE OF OTTAWA CARLETON)

LEGEND:

PHASE I PROPERTY BOUNDARY

SCALE: 1:1250

0 5 10 15 20 25 50 75m

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

NO.	REVISIONS	DATE	INITIAL

BANK & DUN DEVELOPMENTS INC.

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
4828 BANK STREET

OTTAWA, **ONTARIO**

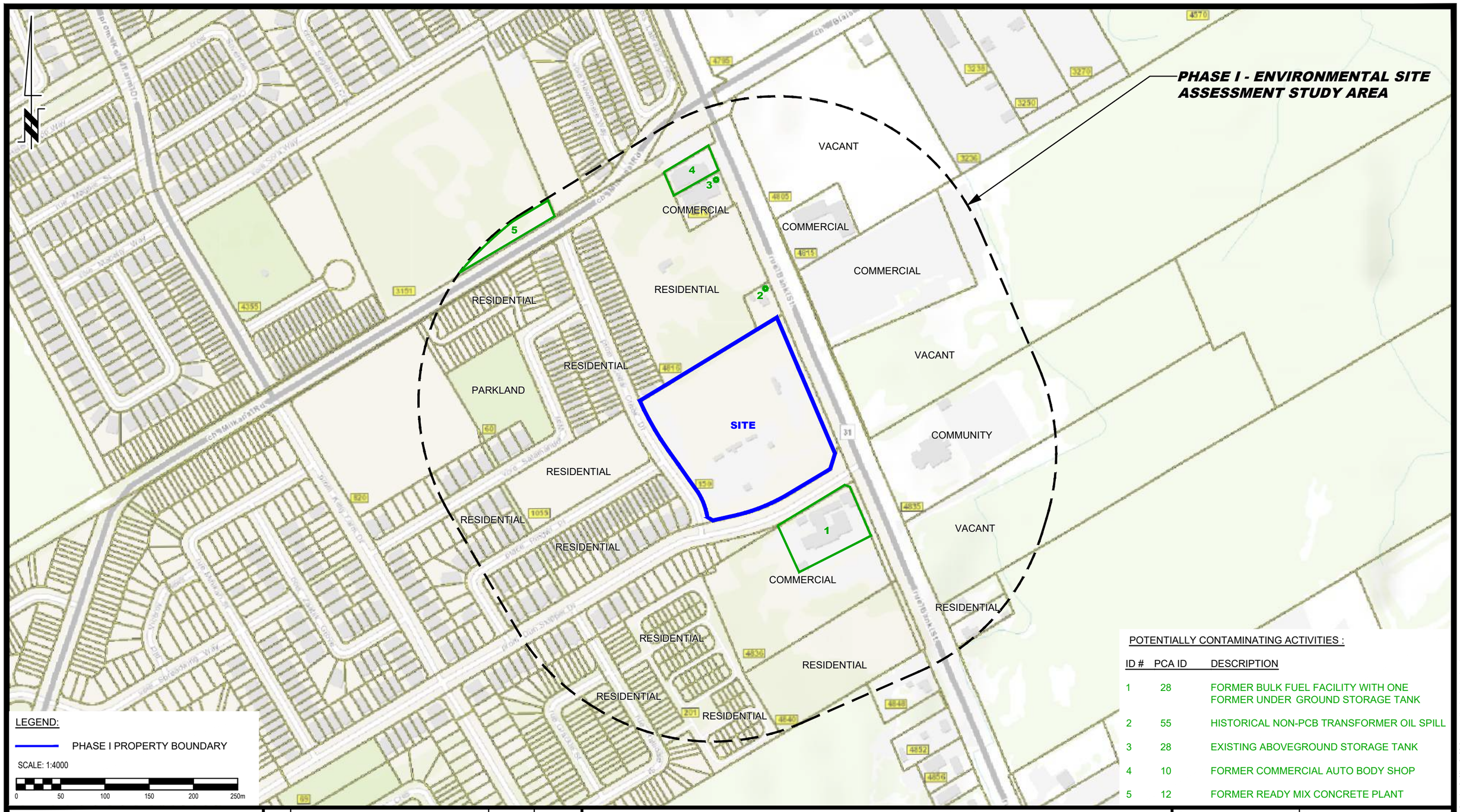
Title:

SITE PLAN

Scale: 1:1250	**Date:** 09/2024
Drawn by: GK	**Report No.:** PE6762-1
Checked by: KP	**Dwg. No.:** PE6762-1
Approved by: MB	**Revision No.:**

p:\autocad drawings\environmental\pe67xx\pe6762\pe6762-1 site plan.dwg

11x17



LEGEND:

▬ PHASE I PROPERTY BOUNDARY

SCALE: 1:4000

POTENTIALLY CONTAMINATING ACTIVITIES :

ID #	PCA ID	DESCRIPTION
1	28	FORMER BULK FUEL FACILITY WITH ONE FORMER UNDER GROUND STORAGE TANK
2	55	HISTORICAL NON-PCB TRANSFORMER OIL SPILL
3	28	EXISTING ABOVEGROUND STORAGE TANK
4	10	FORMER COMMERCIAL AUTO BODY SHOP
5	12	FORMER READY MIX CONCRETE PLANT

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

NO.	REVISIONS	DATE	INITIAL

BANK & DUN DEVELOPMENTS INC.

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
4828 BANK STREET

OTTAWA, ONTARIO

Title:

SURROUNDING LAND USE PLAN

Scale: 1:4000	Date: 09/2024
Drawn by: GK	Report No.: PE6762-1
Checked by: KP	Dwg. No.: PE6762-2
Approved by: MB	Revision No.:

p:\autocad drawings\environmental\pe67xx\pe6762\pe6762-2 surrounding land use plan.dwg

11x17

APPENDIX 1

PLAN OF SURVEY

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS

PLAN OF SURVEY SHOWING
TOPOGRAPHIC DETAIL OF

BLOCK 241
REGISTERED PLAN 4M-1617
CITY OF OTTAWA

SCALE 1 : 500

10 0 10 20 30 metres

J.D. BARNES LIMITED

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

NOTES

BEARINGS ARE MTM GRID, REFERRED TO THE WESTERLY LIMIT OF BLOCK 241 HAVING A BEARING OF N23°09'30"W AS SHOWN ON REGISTERED PLAN 4M-1617.

DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.99996.

ALL BEARING AND DISTANCE MEASURMENTS CONFORM TO PLANS P, P1 & P2 UNLESS OTHERWISE NOTED.

ALL FOUND MONUMENTS ARE JDB UNLESS OTHERWISE NOTED.

LEGEND

■	DENOTES	SURVEY MONUMENT FOUND
SSIB	DENOTES	SHORT STANDARD IRON BAR
MEAS	DENOTES	MEASURED
INST	DENOTES	INSTRUMENT
PIN	DENOTES	PROPERTY IDENTIFICATION NUMBER
P	DENOTES	REGISTERED PLAN 4M-1617
P1	DENOTES	PLAN 4R-34806
P2	DENOTES	PLAN 4R-31780
AOG	DENOTES	ANNIS, O'SULLIVAN, VOLLEBEKK LTD.

N=NORTH S=SOUTH E=EAST W=WEST

TOPOGRAPHIC LEGEND

INV	DENOTES	INVERT
OBV	DENOTES	OBVERT
CSP	DENOTES	CORRIGATED STEEL PIPE
GM	DENOTES	GAS METER
GV	DENOTES	GAS VALVE
CL	DENOTES	CENTER LINE
MH_STM	DENOTES	STORM MANHOLE
MH_SAN	DENOTES	SANITARY MANHOLE
MH	DENOTES	MANHOLE
CB	DENOTES	CATCH BASIN
HW	DENOTES	HANDWELL
ELE	DENOTES	ELEVATION
XX.XX	DENOTES	MEASURED GROUND ELEVATION
TB	DENOTES	TRANSFORMER BOX
TS	DENOTES	TRAFFIC SIGNAL
JNCT	DENOTES	JUNCTION BOX
LP	DENOTES	LIGHT POST
HP	DENOTES	HYDRO POLE
SN	DENOTES	SIGN
FH	DENOTES	FIRE HYDRANT
WV	DENOTES	WATER VALVE
⊙	DENOTES	TREE
	DENOTES	MAJOR CONTOUR
	DENOTES	MINOR CONTOUR

CONTOUR INTERVAL SHOWN AS 1.00m FOR MAJOR AND 0.25m FOR MINOR.

ELEVATION NOTE

1. IT IS THE RESPONSIBILITY OF THE USER OF THIS INFORMATION TO VERIFY THAT THE SITE BENCHMARK HAS NOT BEEN ALTERED OR DISTURBED AND THAT ITS RELATIVE ELEVATION AND DESCRIPTION AGREES WITH THE INFORMATION SHOWN ON THIS DRAWING.

2. ELEVATIONS ARE GEODETIC AND ARE REFERRED TO CITY OF OTTAWA 2016-0350, HAVING A PUBLISHED ELEVATION OF 64.947 METRES (CGVD28:78).

SURVEYOR'S CERTIFICATE

I CERTIFY THAT:

1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT AND THE REGULATIONS MADE UNDER THEM.

2. THE SURVEY WAS COMPLETED ON JUNE 14, 2024.

JUNE 27, 2024
DATE

SHAWN LEROUX
ONTARIO LAND SURVEYOR

THIS PLAN OF SURVEY RELATES TO AOLS PLAN SUBMISSION FORM NUMBER V-76549

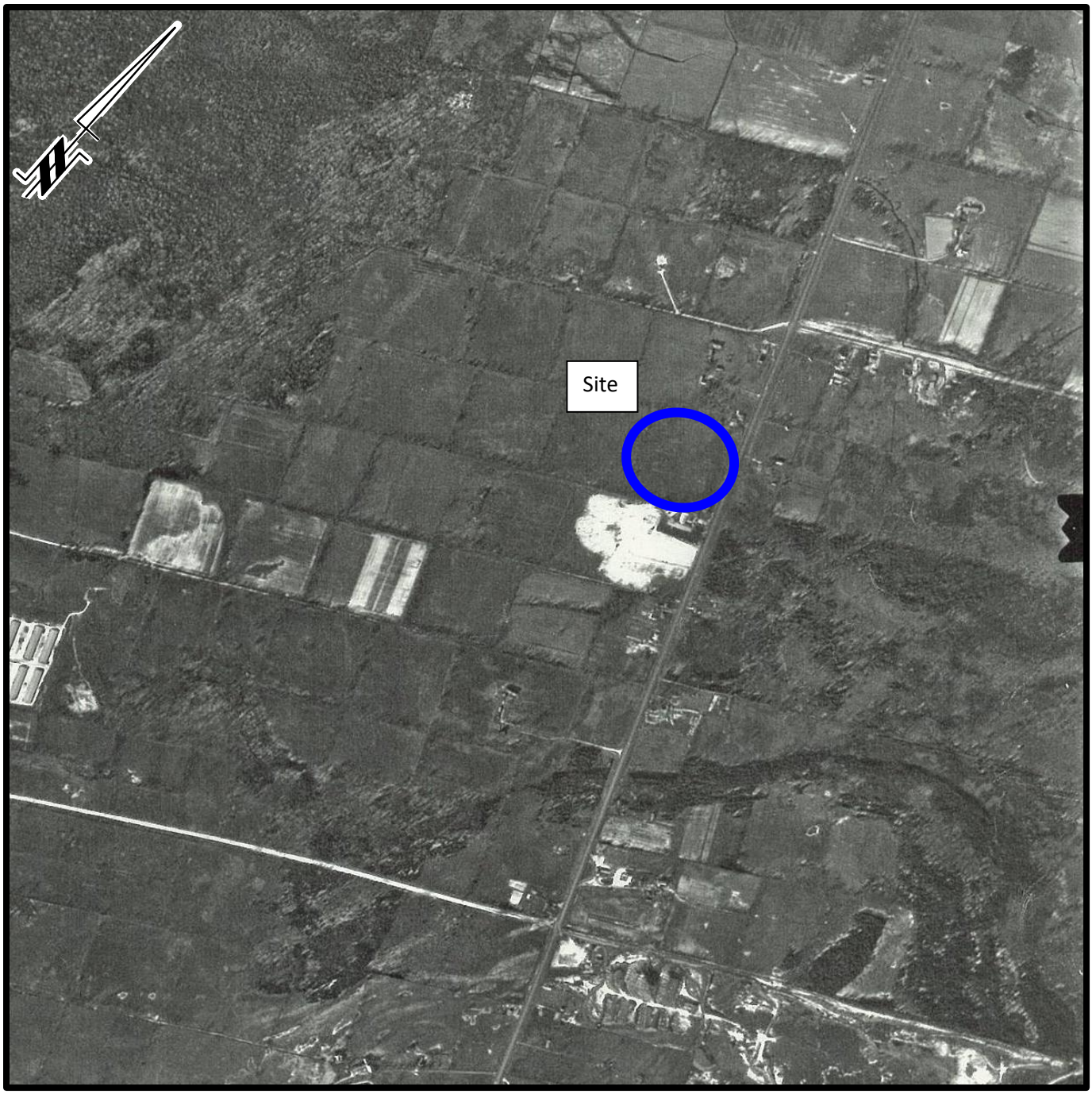
J.D.BARNES LIMITED
SURVEYING MAPPING GIS
LAND INFORMATION SPECIALISTS
62 STEACIE DRIVE, SUITE 103, KANATA, ON K2K 2A9
T: (613) 731-7244 F: (613) 254-8659 www.jdbarnes.com

DRAWN BY:	CHECKED BY:	REFERENCE NO.:
MC	SL	24-10-059-00
PLOTTED: 6/27/2024		DATED: 06/27/24

FILE: G:\24-10-059-00 150 Dun Skipper Dr\Drawing\Drone Topo\3D\24-10-059-00_Topo.dgn

AERIAL PHOTOGRAPH
1945

PATERSON GROUP



AERIAL PHOTOGRAPH
1967

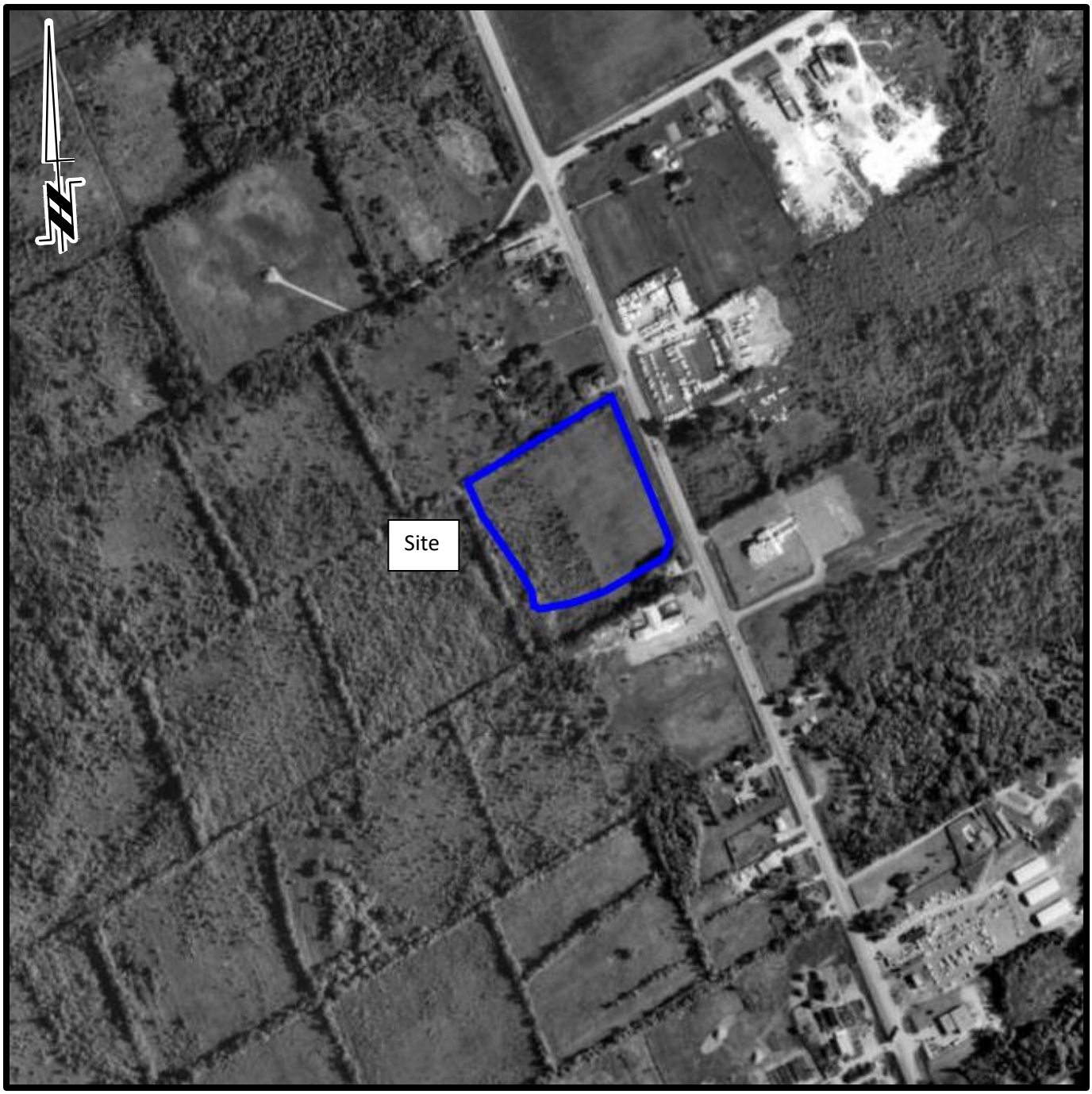
PATERSON GROUP

AERIAL PHOTOGRAPH
1976

PATERSON GROUP

AERIAL PHOTOGRAPH
1984

PATERSON GROUP

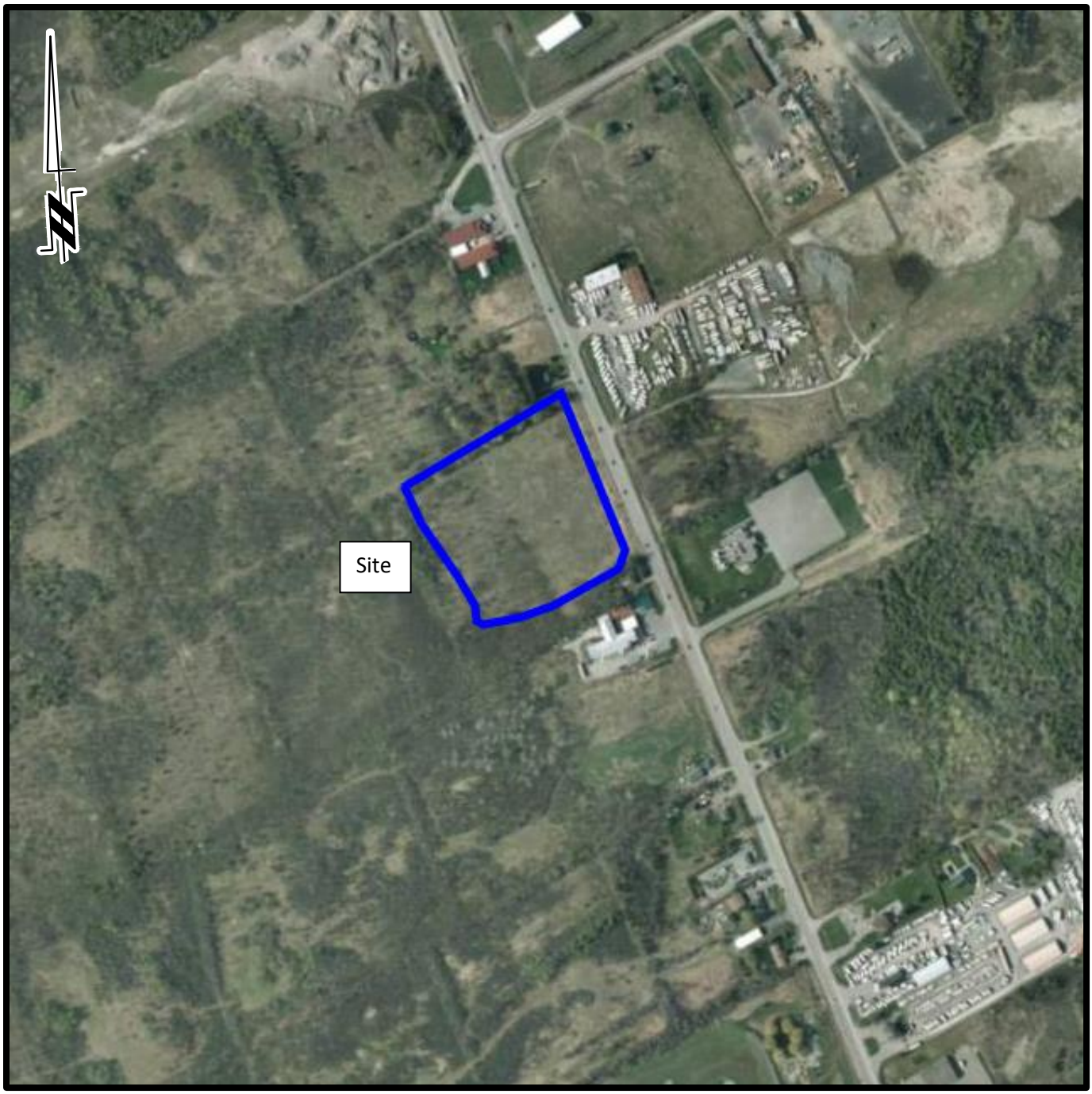


AERIAL PHOTOGRAPH
1991

PATERSON GROUP

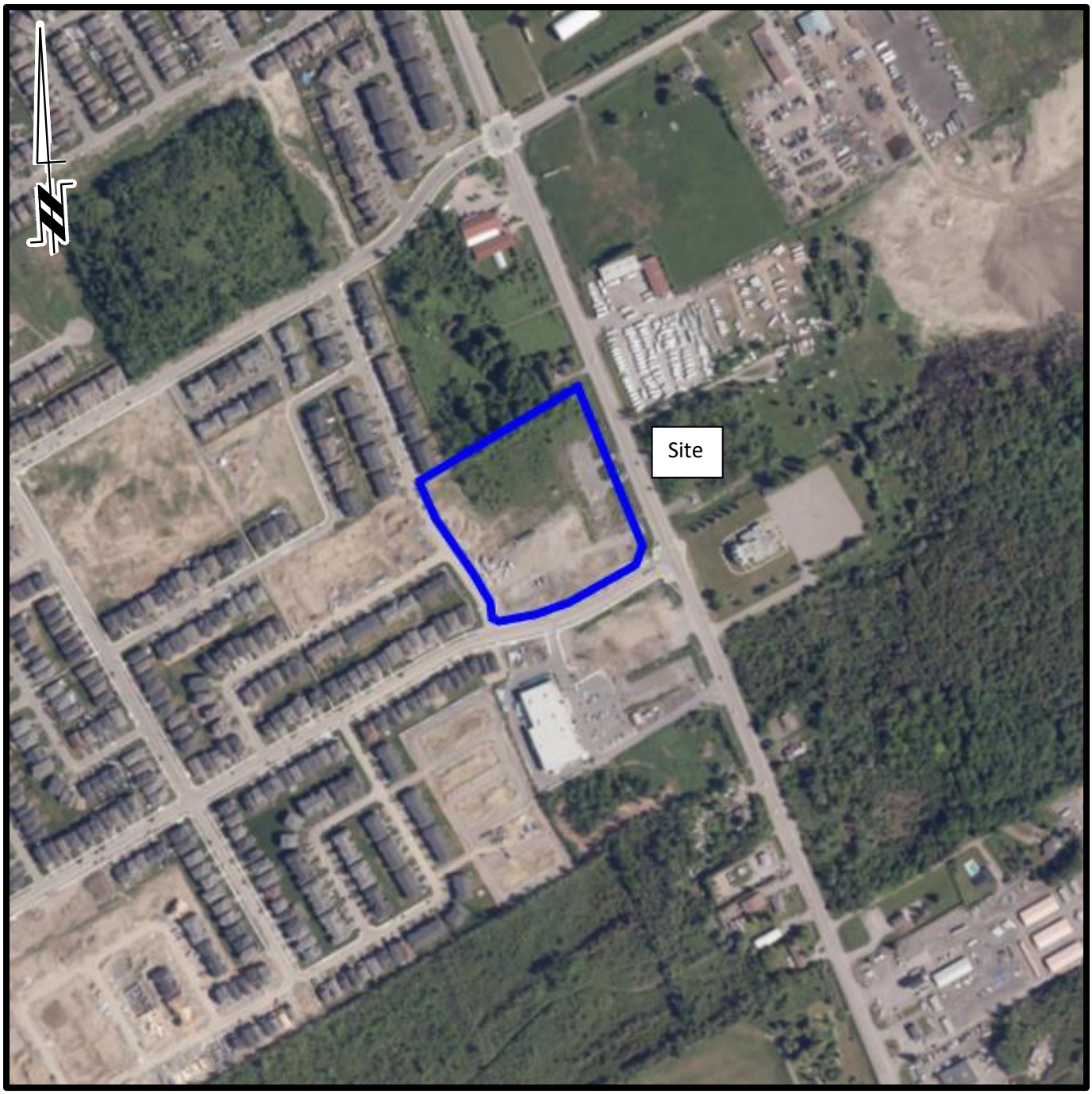
AERIAL PHOTOGRAPH
2002

PATERSON GROUP



AERIAL PHOTOGRAPH
2011

PATERSON GROUP



AERIAL PHOTOGRAPH
2022

PATERSON GROUP

Site Photographs

PE6762 | 4828 Bank Street, Ottawa ON | September 20, 2024

Photograph 1: View from the east portion of the Phase I Property, facing west.

Photograph 2: View from the west portion of the Phase I Property, facing east.

Site Photographs

PE6762 | 4828 Bank Street, Ottawa ON | September 20, 2024

Photograph 3: View from the south portion of the Phase I Property, facing north.

Photograph 4: View from the north portion of the Phase I Property, facing south.

APPENDIX 2

MECP FREEDOM OF INFORMATION REQUEST

MECP WELL RECORDS

TSSA CORRESPONDENCE

CITY OF OTTAWA HLUI REQUEST

ERIS REPORT

Ontario

Ministry of the Environment, Conservation and Parks

Freedom of Information Request for Property Information

Instructions

Use this form to:

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

Fields marked with an asterisk (*) are mandatory.

Are you: *

☑ Submitting a new FOI Request for Property Information

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

Section 1 – Description of Records Requested

Time Period for Records Requested

From (yyyy/mm/dd) * 1900/01/01

To (yyyy/mm/dd) * 2024/09/20

Type of Record(s) *

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

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

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

Operator and vendor Pesticide Licenses from September 4, 2018, final Approvals and Registrations are publicly available on the Access Environment website at:
https://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/GoSearch.action?search=basic&lang=en.

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

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

☐ Other Specific Document(s)

Type of Approval/Registration *

☑ Drinking Water Licenses

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

☑ Pesticide Licenses

Only pesticide licenses post September 2018 are available. Prior to September 2018, only Pesticide license applications and supporting documentation is available

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

☑ Permits to Take Water

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

Water Source *

☑ Groundwater ☑ Surface Water

☑ Noise Vibrations Approvals/Registrations

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

☑ Air Emissions Approvals/Registrations

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

☑ Water Approvals/Registrations - Ontario Water Resources Commission, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster), mains

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

☑ Sewage – Treatment, Stormwater, Storm, Leachate & Lieachate Treatment & Sewage pump stations, Sanitary

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

☑ Waste Water - Industrial discharge

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

☑ Waste Sites - Disposal, Landfill sites, Transfer stations, Processing sites, Incinerator sites

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

☑ Waste Management Systems - haulers: sewage, non-hazardous & hazardous waste, mobile waste processing units, Polychlorinated Biphenyls (PCBs) storage, transfer or destruction, Waste Generator Systems)

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

Company Name

☑ Waste Generator Registration - number/class

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

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

Section 2 – Requester Information

Last Name * Panchal

First Name * Kuldeep

Middle Initial

Business/Organization Name (if applicable or indicate "N/A") * Paterson Group

Project/Reference Number (if applicable) PE6762

Are you submitting this request on behalf of a client? *

☑ Yes ☐ No

Please upload an authorization/consent form from your client in Section 6 (Supporting Documentation)

Name of Client

Last Name * Paglialunga

First Name * Paul

Business/Organization Name (if applicable or indicate "N/A") * Bank & Dun Developments Inc.

Mailing Address

Unit Number

Street Number * 9

Street Name * Auriga Drive

PO Box

City/Town * Ottawa

Province * ON

Postal Code * K2E 7T9

Telephone Number * 613-701-6276

ext.

Email Address * kpanchal@patersongroup.ca

Is there an alternate contact (e.g. office admin)? *

☐ Yes ☑ No

Section 3 – Current Property Address Information

Is the property a:

☐ Park ☐ Lake ☐ First Nation Band ☐ Wind Farm ☐ Federal Land ☐ Island ☐ Unsurveyed Land

Are you requesting information about multiple addresses? *

☐ Yes ☑ No

Property Address

Unit Number

Street Number 4828

Street Name Bank Street

Full Lot Number

Concession

Geographic Township

City/Town/Village * Ottawa

Closest Intersection Bank Street and Dun Skipper Drive

Section 4 – Previous Property Address Information

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

☐ Yes ☑ No

Section 5 – Owner Information

Please provide all present and previous property owner and/or tenant names for the search years requested.

Current Property Owner/Tenant

4828 Bank Street
Ottawa

Owner Name: Bank & Dun Developments Inc.

Date of Ownership (yyyy/mm/dd): 2024/07/15

Tenant Name:

Section 6 – Supporting Documents

Please attach an authorization/consent form.

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

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

1. File Name: key map.png

Total File Size: 0.16 MB

Payment confirmation number: 30496877

31G/5a.

UTM 18 Z 4537220 E

5 R 5017710 N

Elev. 4 R 0306

Basin 25 5

Rideau Front
Con IV
lot 21

GROUND WATER BRANCH 15 N. 2175

SEP 9 1957

ONTARIO WATER RESOURCES COMMISSION

ONTARIO

The Water-well Drillers Act, 1954

Department of Mines

Water-Well Record

County or Territorial District: Carleton   Township, Village, Town or City: Gloucester

[redacted] in Village, Town or City)

Address: Building Bridge

(day) (month) (year)

Pipe and Casing Record		Pumping Test	
Casing diameter(s)	2	Static level	10 ft
Length(s)	20	Pumping rate	200 G.P.H
Type of screen		Pumping level	30 ft
Length of screen		Duration of test	3 hr

Well Log / **Water Record**

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, or sulphur)
Bolders and sand	0	20	60	50	Fresh
Sand stone	20	60			

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

Is water clear or cloudy? Clear

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

Drilling firm: F. R. Cornette

Address: 1652 Baseline RD. City View

Name of Driller: F R Cornette

Address: –

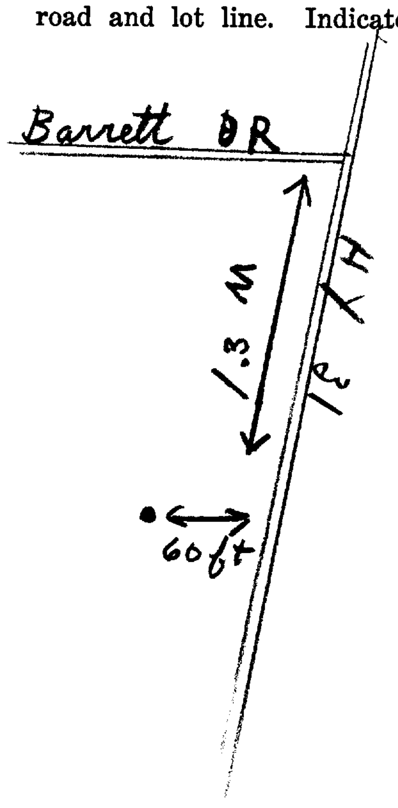
Licence Number: 395

I certify that the foregoing statements of fact are true.

Date: 29 aug 57   F R Cornette
Signature of Licensee

Location of Well

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



Form 5

316/52.

UTM | 1 | 8 | Z | 4 | 5 | 1 | 3 | 7 | 2 | 0 | E

| 5 | R | 5 | 0 | 1 | 7 | 7 | 1 | 0 | N

Elev. | 4 | R | 0 | 3 | 0 | 6 |

Basin | 2 | 5 | | 5 |

Rideau Front
Con IV
lot 21

GROUND WATER BRANCH 15 No. 2175
SEP 9 1957
ONTARIO WATER RESOURCES COMMISSION

ONTARIO

The Water-well Drillers Act, 1954
Department of Mines

Water-Well Record

County or Territorial District ......Carleton...... Township, Village, Town or City ......Gloucester......

[redacted] in Village, Town or City) ....

......Address ......Building Bridge......

(day) (month) (year)

Pipe and Casing Record		Pumping Test	
Casing diameter(s)	2	Static level	10 ft
Length(s)	20	Pumping rate	200 G.P.H.
Type of screen		Pumping level	30 ft
Length of screen		Duration of test	3 hr

Well Log / **Water Record**

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, or sulphur)
Bolders and sand	0	20	60	50	Fresh
Sand stone	20	60			

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

Is water clear or cloudy? ......Clear......

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

Drilling firm ......F. R. Cornette......

Address ......1652 Baseline RD ...... City View......

Name of Driller ......F. R. Cornette......

Address ......

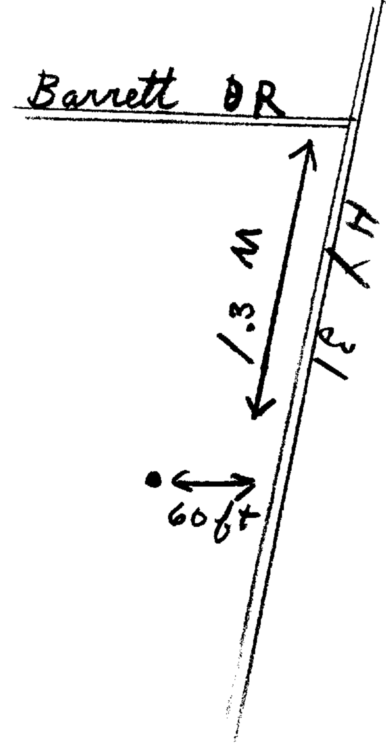
Licence Number ......395......

I certify that the foregoing statements of fact are true.

Date ......29 aug 57...... F. R. Cornette
Signature of Licensee

Location of Well

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



Form 5

316/52

UTM 1 8 Z 4 5 3 7 6 0 E

15 R 5 0 1 7 5 6 0 N

Elev. 4 R 0 3 1 5

Basin 25

GROUND WATER BRANCH
SEP 5 1962
ONTARIO WATER RESOURCES COMMISSION

No 2176

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District CARLETON Township, Village, Town or City GLOUCESTER

Con. 4 RF Lot 21 Date completed 20 (day) JULY month 62 year)

[redacted] dress BILLINGS BRIDGE

Casing and Screen Record

Inside diameter of casing	4
Total length of casing	18
Type of screen	—
Length of screen	—
Depth to top of screen	—
Diameter of finished hole	4

Pumping Test

Static level	6
Test-pumping rate	6 G.P.M.
Pumping level	8
Duration of test pumping	1 HR
Water clear or cloudy at end of test	CL
Recommended pumping rate	6 G.P.M.
with pump setting of	30 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	18		
LIMESTONE	18	45	45	F

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

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

Drilling or Boring Firm M MEAGHER

Address OTTAWA

Licence Number 62

Name of Driller or Borer SLIM

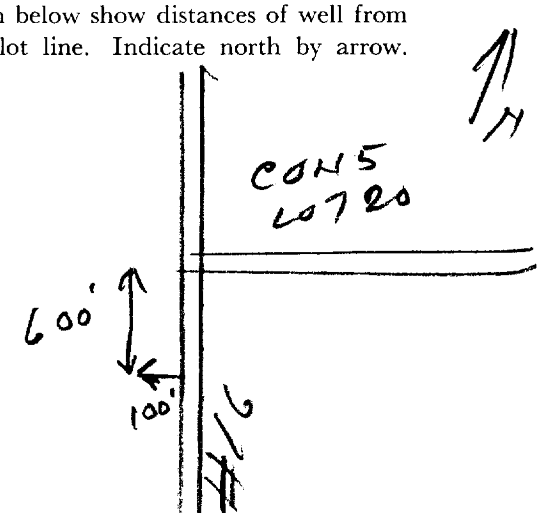
Address

Date AUG 6 28

M Meagher
(Signature of Licensed Drilling or Boring Contractor)

Location of Well

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



Form 7 10M-62-1152

OWRC COPY

CSS.58

316/50

UTM | 1 | 8 | Z | 4 | 5 | 3 | 9 | 7 | 0 | E
Rideau Front
| 5 | R | 5 | 0 | 1 | 7 | 7 | 0 | 8 | 0 | N

Elev. | 4 | R | 0 | 3 | 3 | 0 |

Basin | 2 | 5 | | 2 | 1 | |

ONTARIO

15 № 2177

X

GROUND WATER BRANCH
MAY 20 1957
ONTARIO WATER RESOURCES COMMISSION

The Water-well Drillers Act, 1954

Department of Mines

Water-Well Record

County or Territorial District *Carleton* Township, Village, Town or City *Gloucester*

[redacted] in Village, Town or City)

Address *40 Lawrence St Ottawa*

(day) (month) (year)

Pipe and Casing Record

Casing diameter(s) *2"*

Length(s) *21*

Type of screen

Length of screen

Pumping Test

Static level *6*

Pumping rate *800 G.P.H.*

Pumping level *25 ft*

Duration of test *2 hr*

Well Log / Water Record

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, or sulphur)
Sand	*0*	*7*	*60*	*54*	*Fresh*
Bolders and Sand	*7*	*20*			
Wht Sand stone	*20*	*60*			

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

Is water clear or cloudy? *Clear*

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

Drilling firm *F. R. Cornette*

Address *R.R. 2 Base line R.D. City View*

Name of Driller *F. R. Cornette*

Address *—*

Licence Number *395*

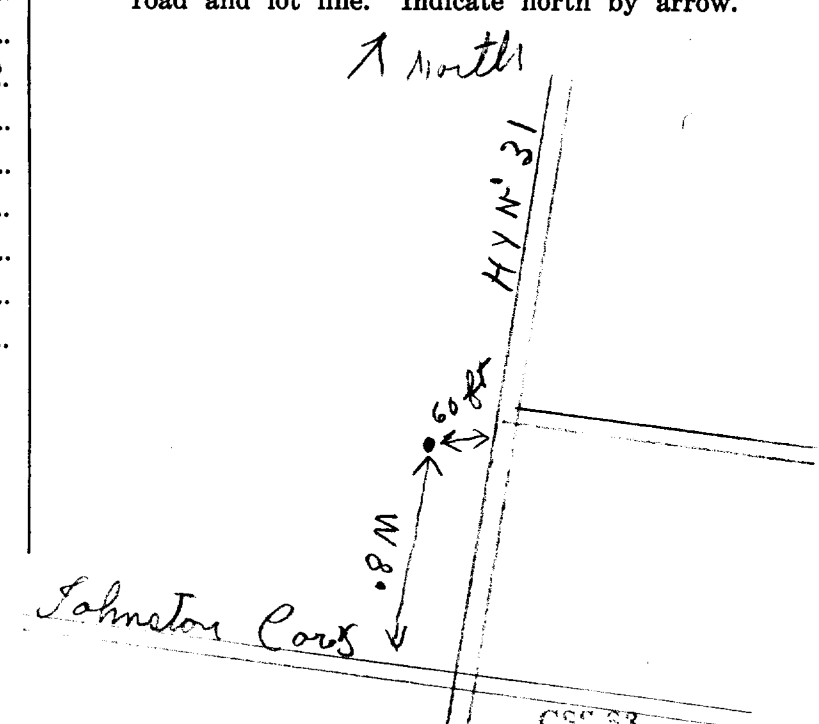
I certify that the foregoing statements of fact are true.

Date *May 14/57* *F. R. Cornette*

Signature of Licensee

Location of Well

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



Form 5

L.P.

316/52

UTM 1|8 Z 4|5|3|8|6|0 E

Rideau Front

5 R 5|0|1|7|3|1|0 N

Elev. 4 R 0|3|2|5 R 22

Basin 2|5

The Ontario Water Resources Commission Act

WATER WELL RECORD

GROUND WATER BRANCH
15
NOV 14 1961
ONTARIO WATER RESOURCES COMMISSION

№ 2170

County or District: Carleton
Township, Village, Town or City: Gloucester
Con.: 4 R F
Lot: P.T.22
Date completed: 6 (day) 10 (month) 1961 (year)

[redacted] ...dress: 28 Clarence St. Ottawa 2, Ont.

Casing and Screen Record

Inside diameter of casing	6 3/16
Total length of casing	21'
Type of screen	NONE
Length of screen	NONE
Depth to top of screen	NONE
Diameter of finished hole	6"

Pumping Test

Static level	20'
Test-pumping rate	80 G.P.H.
Pumping level	70'
Duration of test pumping	1 hr.
Water clear or cloudy at end of test	clear
Recommended pumping rate	80 G.P.H.
with pump setting of	80 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
~~Till and Bolder rock. Grey hard lime stone and sand stone.~~	~~0~~	~~16~~	85	fresh
	~~16~~	~~25~~		
~~SAND STONE~~	~~25~~	~~89~~		
BOULDER TILL	0	16		
HARD GREY LIMESTONE	16	25		
SANDSTONE	25	89	85	FRESH

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

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

Drilling or Boring Firm: J. B. Dufresne Co. Ltd.

Address: Ottawa, Ontario.

Licence Number: 194

Name of Driller or Borer: W. Roy

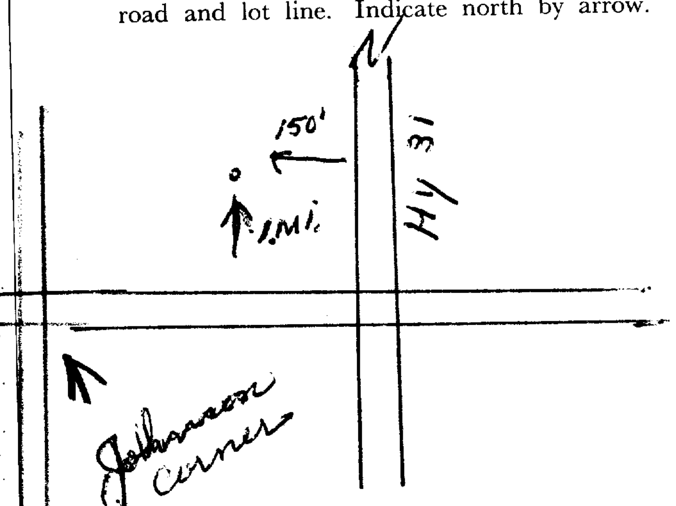
Address: Hull

Date: Oct 10/60

J B Dufresne
(Signature of Licensed Drilling or Boring Contractor)

Location of Well

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



Form 7 15M Sets 60-5930

OWRC COPY

316/52

UTM 1|1|8 Z |4|5|3|9|7|0| E
5 R |5|0|1|7|1|2|0| N
Elev. 4 R |9|3|3|0|
Basin |2|5|

The Ontario Water Resources Commission Act

WATER WELL RECORD

GROUND WATER BRANCH
15 No 2180
AUG 15 1961
ONTARIO WATER RESOURCES COMMISSION

County or District CARLETON Township, Village, Town or City GLOUCESTER

Con. 4 RP Lot 22 Date completed 29 (day) JUNE month 61 year)

[redacted] ddress BILLINGS BRIDGE

Casing and Screen Record	
Inside diameter of casing	4"
Total length of casing	10'
Type of screen	—
Length of screen	—
Depth to top of screen	—
Diameter of finished hole	4"

Pumping Test	
Static level	6'
Test-pumping rate	4 G.P.M.
Pumping level	8
Duration of test pumping	1 HR
Water clear or cloudy at end of test	CLEAR
Recommended pumping rate	4 G.P.M.
with pump setting of	30' feet below ground surface

Well Log: Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
LOAM	0	6		
GREY LIMESTONE	6	55	55	FRESH

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

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

Drilling or Boring Firm M MEAGHER

Address OTTAWA

Licence Number 245

Name of Driller or Borer SAME

Address

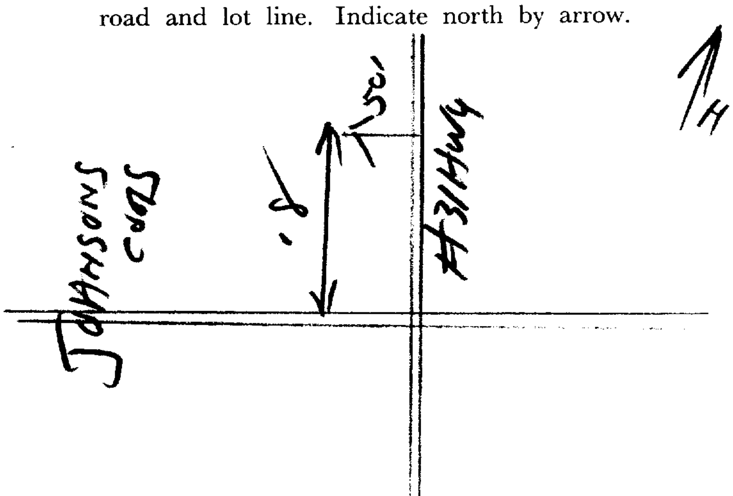
Date AUG 9/61

M Meagher

(Signature of Licensed Drilling or Boring Contractor)

Location of Well

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



Form 7 15M Sets 60-5930

OWRC COPY

316/52

UTM |1|8| Z |4|5|3|8|0|0| E

|5| R |5|0|1|7|5|3|0| N

Elev. |4| R |0|3|1|5|

Basin |2|5|

The Ontario Water Resources Commission Act

WATER WELL RECORD

GROUND WATER BRANCH
15 №
SEP 5 1962
ONTARIO WATER RESOURCES COMMISSION

~~2181~~

County or District CARLETON Township, Village, Town or City GLOUCESTER

Con. 4 RF Lot 21 ~~22~~ Date completed 26 (day) JULY (month) 62 (year)

[redacted] dress BILLINGS BRIDGE

Casing and Screen Record

Inside diameter of casing	4
Total length of casing	21
Type of screen	—
Length of screen	—
Depth to top of screen	—
Diameter of finished hole	4

Pumping Test

Static level	8
Test-pumping rate	5 G.P.M.
Pumping level	10
Duration of test pumping	1 HR
Water clear or cloudy at end of test	CC
Recommended pumping rate	5 G.P.M.
with pump setting of	30 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	21		
LIMESTONE	21	46	46	F

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

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

Drilling or Boring Firm M MEAGHER

Address OTTAWA

Licence Number 618

Name of Driller or Borer SAME

Address

Date AUG 24

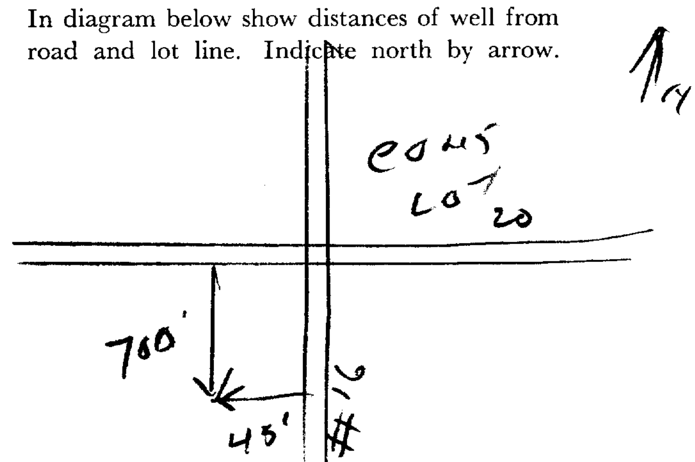
M Meagher
(Signature of Licensed Drilling or Boring Contractor)

Form 7 10M-62-1152

OWRC COPY

Location of Well

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



CSS.58

316/50 163

UTM | 18 | Z | 4538410 | E
| 5 | R | 5011750 | N
Elev. | 4 | R | 0305
Basin | 25 |

ONTARIO

The Well Drillers Act
Department of Mines, Province of Ontario

15 No 2246

RECEIVED
DEC - 6 1951
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

Water Well Record

[redacted]ip, ~~Village, Town or City~~.. Gloucester
[redacted] Town or City)
[redacted]ss.. Leitrim
Date Completed [redacted] (excluding pump)... $337.00
(day) (month) (year)

Pipe and Casing Record	Pumping Test
Casing diameter(s).... 5	Date.... Nov 24
Length(s) of casing(s).... 6	Static level.. 5'
Type of screen.... —	Pumping level.. 20'
Length of screen.... —	Pumping rate.. 8 GPM
Distance from top of screen to ground level.... —	Duration of test.. 30 Min
Is well a gravel-wall type?.... No	Distance from cylinder or bowls to ground level.. —

Water Record

Kind (fresh or mineral).... Fresh
Quality (hard, soft, contains iron, sulphur, etc.).. hard
Appearance (clear, cloudy, coloured)....... clear
For what purpose(s) is the water to be used?.. Farm
How far is well from possible source of contamination?.. 100' ~~Barn~~
What is the source of contamination?.... BARN
Enclose a copy of any mineral analysis that has been made of water....

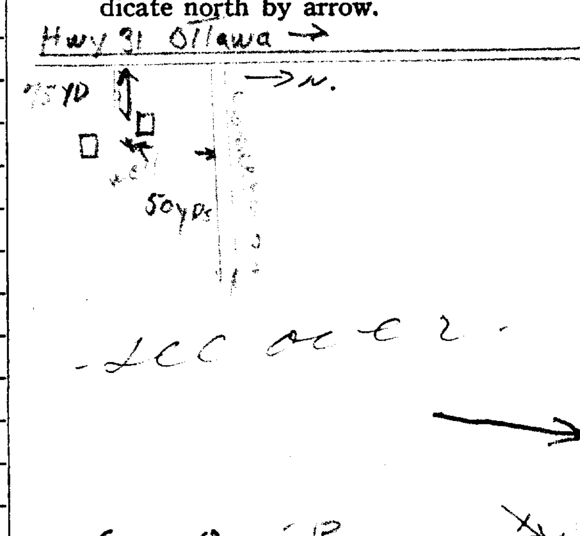
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
30'	good	~~5~~ 30'
60'	"	55'
79'	"	74'

Well Log

Overburden and Bedrock Record	From	To
BOULDER TILL	0 ft.	5 ft.
SANDSTONE	5	80'

Location of Well

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



See OVER

Situation: Is well on upland, in valley, or on hillside?... upland
Drilling Firm..... F. A. McLEAN + SON
Address...... 185 JAMES ST
Name of Driller... M. Renaud ..... Address.....
Date... ~~Nov~~ Dec. 1, 50 ..... Licence Number.....

Signature of Licensee

FORM 5

UTM 18 453890 RF Con V Lot 21

54 5017640

Elev. 4 0308

Basin 25T

09925

CODED

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District: Carleton — Township, Village, Town or City: Gloucester

Con. RF 5 — Lot ~~20~~ 21 — Date completed: 6 December 1968 (day month year)

[redacted] Address: Long Sault, Ontario

Casing and Screen Record	
Inside diameter of casing	6"
Total length of casing	15'
Type of screen	nil
Length of screen	n/a
Depth to top of screen	n/a
Diameter of finished hole	6"

Pumping Test	
Static level	2'
Test-pumping rate	10 G.P.M.
Pumping level	5'
Duration of test pumping	1 Hour
Water clear or cloudy at end of test	cloudy
Recommended pumping rate	10 G.P.M.
with pump setting of	25' feet below ground surface

Well Log: Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Closely packed Boulders	0'	13'		
Very Abrassive Sandstone	13'	63'	60'	fresh

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

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

Drilling or Boring Firm: Blair Phillips Drilling Co. Ltd.,

Address: 1119 Falaise Road, Ottawa 5, Ontario.

Licence Number: 2779

Name of Driller or Borer: J. Moore

Address: Kars, Ontario

Date: 6 December 1968

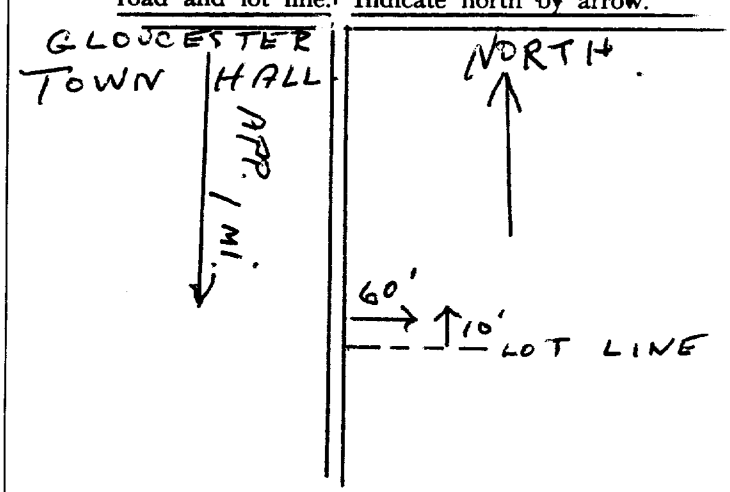
(Signature of Licensed Drilling or Boring Contractor)

Form 7

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

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

11 | 1513436 | MUNICIP. 15004 | CON. RF C04

31 G/5a

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT 25-27
LETRIM Ottawa-Carleton	GLOUCESTER	IV RFC	022

OWNER (SURNAME FIRST) 28-47	ADDRESS	DATE COMPLETED 48-53
UNITED CO - OP OF ~~ONTARIO~~ ONT	R. R. #6 OTTAWA, ONTARIO.	DAY 16 MO. 08 YR. 73

21 | ZONE 18 | EASTING 453850 | NORTHING 5017215 | RC. 6 | ELEVATION 0323 | RC. 4 | BASIN CODE 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Top Soil		Soft	0	4
Brown	Soil	Boulder	Hard	4	12
Grey	Limestone	Clay	Soft Porous	12	16
White	Limestone	Limestone Grey	Medium Hard	16	50

31 | 0004692 | 0012612213 | 00162151205 | 0050115

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0048	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	DEPTH - FEET TO
06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	~~22~~ 0022
	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	0005 GPM	01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
014 FEET	025 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 0005 GPM

50-53: 000.3

FINAL STATUS OF WELL

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

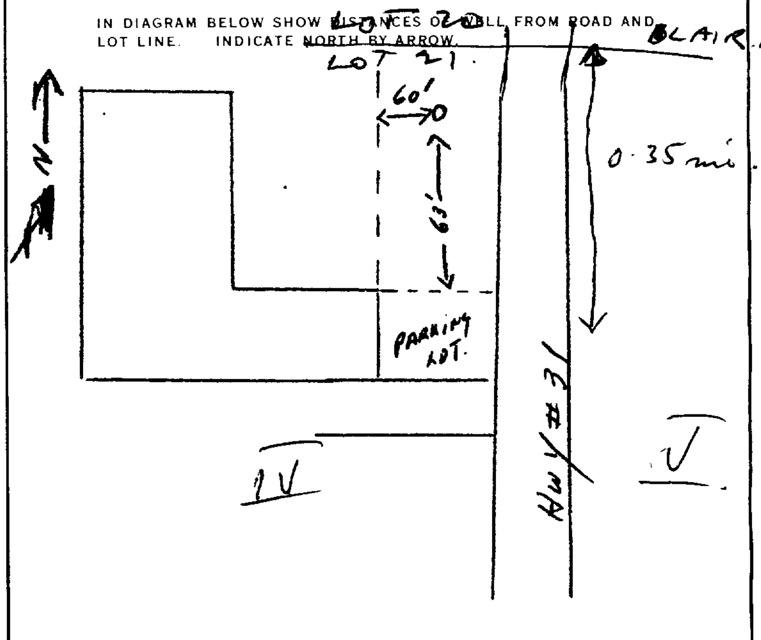
1 ☒ DOMESTIC
2 ☐ STOCK
3 ☐ IRRIGATION
4 ☐ INDUSTRIAL
☐ OTHER
5 ☐ COMMERCIAL
6 ☐ MUNICIPAL
7 ☐ PUBLIC SUPPLY
8 ☐ COOLING OR AIR CONDITIONING
9 ☐ NOT USED

METHOD OF DRILLING

1 ☐ CABLE TOOL
2 ☐ ROTARY (CONVENTIONAL)
3 ☐ ROTARY (REVERSE)
4 ☒ ROTARY (AIR)
5 ☐ AIR PERCUSSION
6 ☐ BORING
7 ☐ DIAMOND
8 ☐ JETTING
9 ☐ DRIVING

LOCATION OF WELL

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



DRILLERS REMARKS:

CONTRACTOR

NAME OF WELL CONTRACTOR	LICENCE NUMBER
HAWTHORNE DRILLING LIMITED	2557

ADDRESS: Box 4218 STATION "E" OTTAWA ONTARIO

NAME OF DRILLER OR BORER	LICENCE NUMBER
YVON AUBIN	2557

SIGNATURE OF CONTRACTOR: [signature] | SUBMISSION DATE: DAY 25 MO. 9 YR. 73

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
1	2557	28 09 73

DATE OF INSPECTION | INSPECTOR

REMARKS: P-R

MINISTRY OF THE ENVIRONMENT COPY

FORM 7 07-091

MINISTRY OF THE ENVIRONMENT

The Ontario Water Resources Act

WATER WELL RECORD

316/5a

Ontario

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

11 — 1514664 — MUNICIP. 15002 — CON. RF — 04

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Carleton	Gloucester	~~II~~ RF III	022.

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
CDR Canadian Industries Ltd.	Hwy #31 Ottawa Ont	DAY 20 M 02 YR. 25

21 — ZONE 18 — EASTING 453793 — NORTHING 5017090 — RC 4 — ELEVATION 0340 — RC 4 — BASIN CODE 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Sand Gravel	Boulders.	Dense	0	13
Black	Shale		Loose.	13	30
Grey	Limestone		Sound.	30	111
White	Sandstone		Sound	111	125

31 — 00136281113 00308117 01111215 01251118

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0032	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
0111	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4 06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	~~22~~ 0022
5 7/8 06	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		22 0125	
	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	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
10-13	14-17	
18-21	22-25	
26-29	30-33	

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	0012 GPM	01 HOURS 15 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
020 FEET	020 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	020 FEET	020 FEET	020 FEET	020 FEET

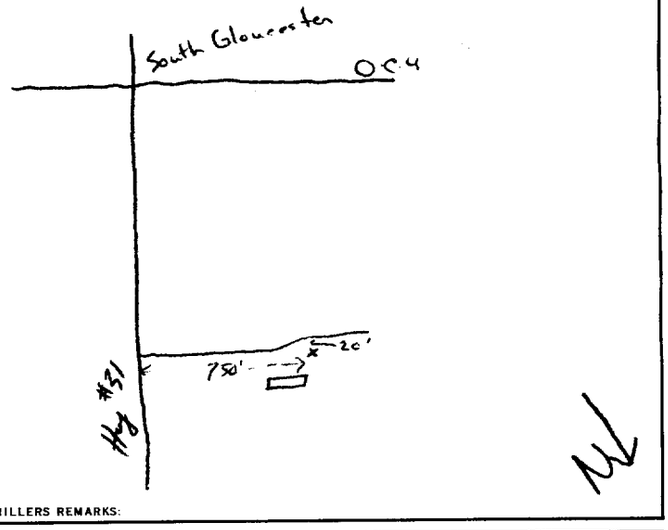
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
— GPM	80 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	080 FEET	0008 GPM

50-53 0240 GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL 5317

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



DRILLERS REMARKS:

FINAL STATUS OF WELL 1

54 — 1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE 04

55-56 — 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

57 — 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	LICENCE NUMBER
Hawthorne Drilling Ltd	2558
ADDRESS: PO Box 4218 Stat E.	
NAME OF DRILLER OR BORER: A. Emond	LICENCE NUMBER: 2558
SIGNATURE OF CONTRACTOR	SUBMISSION DATE: DAY 24 MO. 2 YR. 25

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
1	2558	25 02 75
DATE OF INSPECTION	INSPECTOR	
REMARKS:		P ✓ WI

CSS.58

FORM 7 MOE 07-091

MINISTRY OF THE ENVIRONMENT COPY

Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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

11

514664 MUNICIP

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Carleton	Gloucester	III	22

OWNER (SURNAME FIRST) 28-47	ADDRESS	DATE COMPLETED 48-53
Canadian Industries Ltd	Hwy #31 Ottawa Ont	DAY 20 MO. 2 YR. 25

21 | ZONE | EASTING | NORTHING | RC | ELEVATION | RC | BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Sand Gravel	Boulders.	Dense	0	13
Black.	Shale		Loose.	13	30
Grey	Limestone		Sound.	30	111
White	Sandstone		Sound	111	125

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
32	1 ☒ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
111	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	DEPTH - FEET TO
6 1/4	1 ☒ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☐ OPEN HOLE	.188	0	22.
5 7/8	1 ☐ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☒ OPEN HOLE		22	125
	1 ☐ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.) 31-33	DIAMETER 34-38 INCHES	LENGTH 39- FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN 41-44 FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
10-13	14-17	
18-21	22-25	
26-29	30-33	80

71 PUMPING TEST

PUMPING TEST METHOD 10	PUMPING RATE 11-14 GPM	DURATION OF PUMPING 15-16 HOURS 17-18 MINS
1 ☒ PUMP 2 ☐ BAILER	12	1 / 15

STATIC LEVEL 19-21	WATER LEVEL END OF PUMPING 22-24	WATER LEVELS DURING 25: 1 ☐ PUMPING 2 ☐ RECOVERY	15 MINUTES 26-28	30 MINUTES 29-31	45 MINUTES 32-34	60 MINUTES 35-37
20 FEET	20 FEET		20 FEET	20 FEET	20 FEET	20 FEET

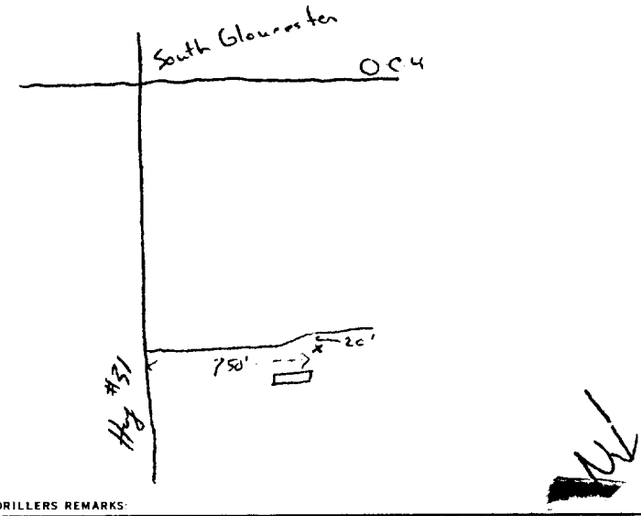
IF FLOWING, GIVE RATE 38-41 GPM	PUMP INTAKE SET AT FEET	WATER AT END OF TEST 42: 1 ☒ CLEAR 2 ☐ CLOUDY
—	80	

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING 43-45 FEET	RECOMMENDED PUMPING RATE 46-49 GPM
☐ SHALLOW ☒ DEEP	80	8

50-53 ___ GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

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



DRILLERS REMARKS:

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 ☐ UNFINISHED

WATER USE 55-56

1 ☐ DOMESTIC; 2 ☐ STOCK; 3 ☐ IRRIGATION; 4 ☒ INDUSTRIAL; 5 ☐ COMMERCIAL; 6 ☐ MUNICIPAL; 7 ☐ PUBLIC SUPPLY; 8 ☐ COOLING OR AIR CONDITIONING; ☐ OTHER; 9 ☐ NOT USED

METHOD OF DRILLING 57

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	LICENCE NUMBER
Hawthorne Drilling Ltd	2558.

ADDRESS	
PO Box 4218 Stat E.	

NAME OF DRILLER OR BORER	LICENCE NUMBER
A. Emond.	2558

SIGNATURE OF CONTRACTOR

SUBMISSION DATE: DAY 24 MO. 2 YR. 25

OFFICE USE ONLY

DATA SOURCE 58	CONTRACTOR 59-62	DATE RECEIVED 63-68
		25 02 03

DATE OF INSPECTION	INSPECTOR

REMARKS:

P

WI

FORM 7 MOE 07-0

MINISTRY OF THE ENVIRONMENT COPY

MINISTRY OF THE ENVIRONMENT
The Ontario Water Resources Act

WATER WELL RECORD

Ontario J.P.M. 3165a

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

(11) 1516052 | MUNICIP 15002 | CON RF 05

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Carleton	Gloucester	5 RF II	022 22

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
Melco Investors Corp.	934 Sadler Cres. Ottawa, Ont. K2B 5H7	DAY 13 MO 07 YR 77

(21) ZONE 18 | EASTING 454099 | NORTHING 5017399 | RC 4 | ELEVATION 0330 | RC 4 | BASIN CODE 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	TO
brown	sand	clay & boulders	fill	0	7
black	muck		soft	7	9
grey	hardpan	boulders	packed	9	26
grey	limestone		medium	26	43
grey	sandstone		hard	43	178

(31) 0007628 0513 | 0009803 85 | 0026214 1379 | 0043215 78 | 0178218 73

32

(41) WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0175	☒ FRESH ☐ SALTY ☐ SULPHUR ☐ MINERAL
	☐ FRESH ☐ SALTY ☐ SULPHUR ☐ MINERAL
	☐ FRESH ☐ SALTY ☐ SULPHUR ☐ MINERAL
	☐ FRESH ☐ SALTY ☐ SULPHUR ☐ MINERAL
	☐ FRESH ☐ SALTY ☐ SULPHUR ☐ MINERAL

(51) CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	TO
6¼ / 06	☒ STEEL ☐ GALVANIZED ☐ CONCRETE ☒ ~~OPEN HOLE~~	188	0 / 28	0028 / ~~178~~
06	☐ STEEL ☐ GALVANIZED ☐ CONCRETE ☒ OPEN HOLE			0178
	☐ STEEL ☐ GALVANIZED ☐ CONCRETE ☐ 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

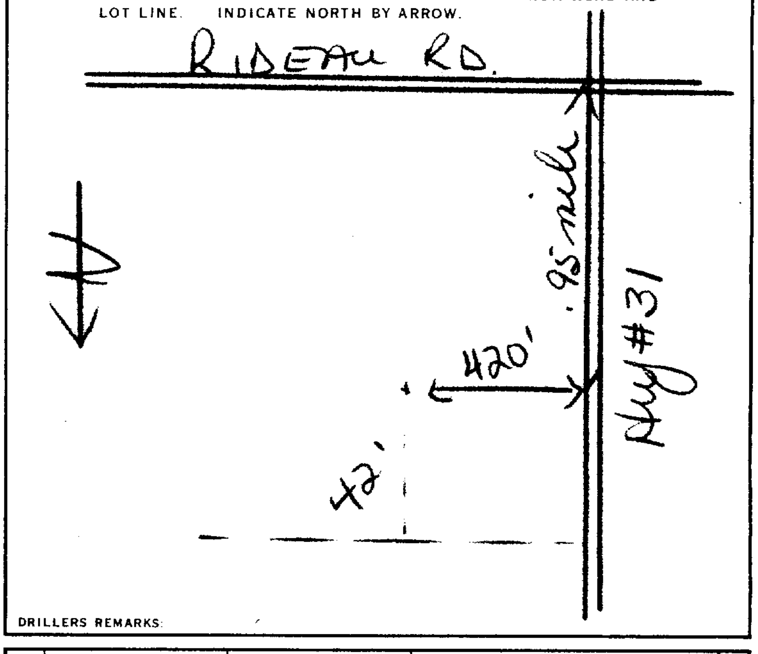
DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

(71) PUMPING TEST

PUMPING TEST METHOD	☐ PUMP ☒ BAILER
PUMPING RATE	0015 GPM
DURATION OF PUMPING	01 HOURS 00 MINS
STATIC LEVEL	030 FEET
WATER LEVEL END OF PUMPING	065 FEET
WATER LEVELS DURING	☒ PUMPING ☐ RECOVERY
15 MINUTES	065 FEET
30 MINUTES	065 FEET
45 MINUTES	065 FEET
60 MINUTES	065 FEET
IF FLOWING, GIVE RATE	GPM
PUMP INTAKE SET AT	FEET
WATER AT END OF TEST	☒ CLEAR ☐ CLOUDY
RECOMMENDED PUMP TYPE	☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING	075 FEET
RECOMMENDED PUMPING RATE	0005 GPM
GPM./FT. SPECIFIC CAPACITY	

LOCATION OF WELL

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



DRILLERS REMARKS:

FINAL STATUS OF WELL 1	☒ WATER SUPPLY ☐ OBSERVATION WELL ☐ TEST HOLE ☐ RECHARGE WELL ☐ ABANDONED, INSUFFICIENT SUPPLY ☐ ABANDONED, POOR QUALITY ☐ UNFINISHED
WATER USE 01	☒ DOMESTIC ☒ STOCK ☐ IRRIGATION ☐ INDUSTRIAL ☐ OTHER ☐ COMMERCIAL ☐ MUNICIPAL ☐ PUBLIC SUPPLY ☐ COOLING OR AIR CONDITIONING ☐ NOT USED
METHOD OF DRILLING 5	☐ CABLE TOOL ☐ ROTARY (CONVENTIONAL) ☐ ROTARY (REVERSE) ☐ ROTARY (AIR) ☒ AIR PERCUSSION ☐ BORING ☐ DIAMOND ☐ JETTING ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR	Capital Water Supply Ltd.
LICENCE NUMBER	1558
ADDRESS	Box 490 Stittsville, Ontario
NAME OF DRILLER OR BORER	W. Kavanagh
LICENCE NUMBER	
SIGNATURE OF CONTRACTOR	[signature]
SUBMISSION DATE	DAY 15 MO. 7 YR. 77

OFFICE USE ONLY

DATA SOURCE	1
CONTRACTOR	1558
DATE RECEIVED	080877
DATE OF INSPECTION	
INSPECTOR	Kn.
REMARKS	

P

WI

MINISTRY OF THE ENVIRONMENT COPY

FORM 7 MOE 07-091

Ministry of the Environment
Ontario

The Ontario Water Resources Act
WATER WELL RECORD

1517349 — 31G 5a

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

(11) MUNICIP. 15002 CON. 05

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Ottawa Carlt.	Gloucester	5 R.F.	021

[redacted] #6 Ottawa Ont.

DATE COMPLETED: DAY 09 MO. 06 YR. 80

[redacted] 17699 RC. 4 ELEVATION 0305 RC. 4 BASIN CODE 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	sandy soil	stone		0	8
Brown	hard	granite rock.		8	27

(31) 0008602128 1 0027621273

32

(41) WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0027	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	DEPTH - FEET TO
06 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE	188	0	0020
	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: 0015 GPM
DURATION OF PUMPING: 01 HOURS 00 MINS

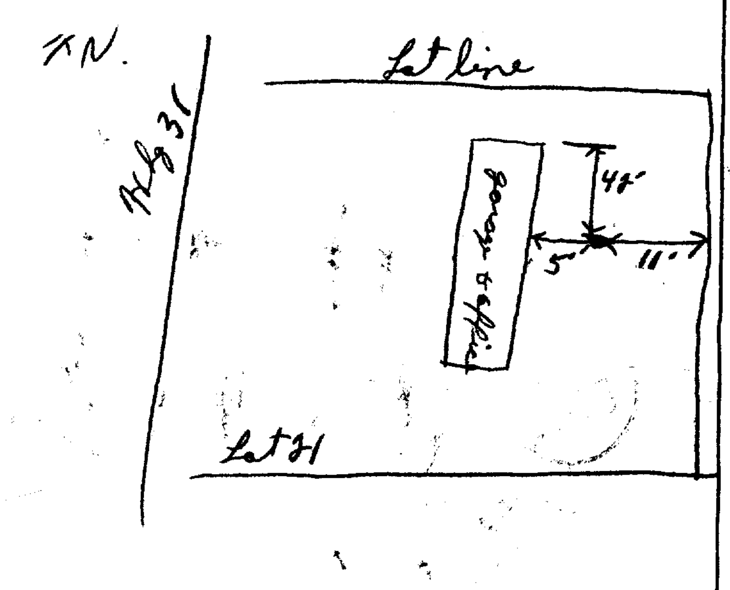
STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
005 FEET	014 FEET	012 FEET	012 FEET	014 FEET	014 FEET

WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY

IF FLOWING, GIVE RATE: GPM
PUMP INTAKE SET AT: 27 FEET
WATER AT END OF TEST: 1 ☐ CLEAR 2 ☒ CLOUDY
RECOMMENDED PUMP TYPE: ☒ SHALLOW ☐ DEEP
RECOMMENDED PUMP SETTING: 023 FEET
RECOMMENDED PUMPING RATE: 0007 GPM

LOCATION OF WELL

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 05
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 1
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: Maurice Cyr Ltd. — LICENCE NUMBER: 1517
ADDRESS: Casselman Ont.
NAME OF DRILLER OR BORER: — LICENCE NUMBER:
SIGNATURE OF CONTRACTOR: Maurice Cyr — SUBMISSION DATE: DAY ___ MO ___ YR ___

OFFICE USE ONLY

DATA SOURCE: 1 — CONTRACTOR: 1517 — DATE RECEIVED: 020980
DATE OF INSPECTION: — INSPECTOR: Km
REMARKS:

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506-4-77

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1517349

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

11

MUNICIP | CON

COUNTY OR DISTRICT: Ottawa Carleton
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Gloucester
CON. BLOCK, TRACT, SURVEY, ETC: 5
LOT: 21
ADDRESS: RR #6 Ottawa Ont.
DATE COMPLETED: DAY 9 MO June YR 80

21 | UTM | ZONE | EASTING | NORTHING | RC | ELEVATION | RC | BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	sandy soil	stone		0	8
Brown	hard	granite rock		8	22

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
17	1 ☐ FRESH 2 ☒ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE	.188	0	20
	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	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER
PUMPING RATE: 15 GPM
DURATION OF PUMPING: 1 HOURS ___ MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING
5 FEET	14 FEET

WATER LEVELS DURING: 1 ☐ PUMPING 2 ☐ RECOVERY

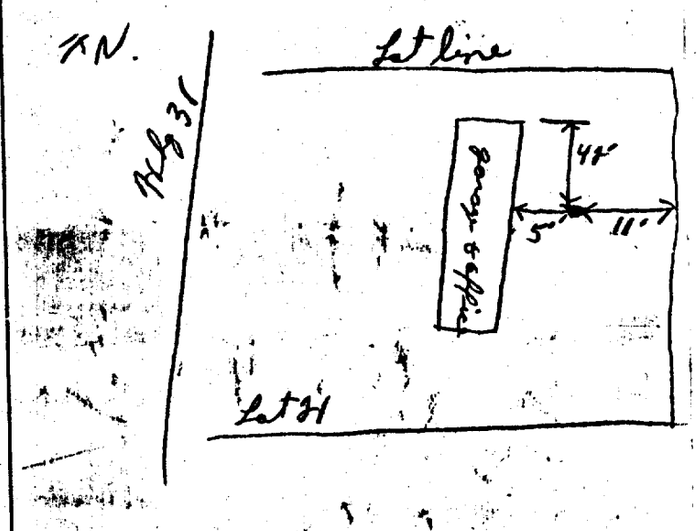
15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
12 FEET	12 FEET	14 FEET	14 FEET

IF FLOWING GIVE RATE ___ GPM
PUMP INTAKE SET AT: 27 FEET
WATER AT END OF TEST: 1 ☐ CLEAR 2 ☒ CLOUDY

RECOMMENDED PUMP TYPE: ☒ SHALLOW ☐ DEEP
RECOMMENDED PUMP SETTING: 23 FEET
RECOMMENDED PUMPING RATE: 7 GPM

LOCATION OF WELL

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



DRILLERS REMARKS

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE

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

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: Maurice Cayer Ltd. | LICENCE NUMBER: 1517
ADDRESS: Carp Ont.
NAME OF DRILLER OR BORER | LICENCE NUMBER
SIGNATURE OF CONTRACTOR: Maurice Cayer | SUBMISSION DATE: DAY ___ MO ___ YR ___

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR | 020980
DATE OF INSPECTION | INSPECTOR
REMARKS

Ontario (https://www.ontario.ca/page/government-ontario)

Map: Well records

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

Full dataset is available in the Open Data catalogue (https://data.ontario.ca/dataset/well-records) .

Go Back to Map

Well ID

Well ID Number: 7332169
Well Audit Number: *C13229*
Well Tag Number:
This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	
Township	GLOUCESTER TOWNSHIP
Lot	021

Concession	RF 04
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 453783.00 Northing: 5017696.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Annular Space/Abandonment Sealing Record

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

Method of Construction & Well Use

Method of Construction	Well Use

Status of Well

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 6894

Results of Well Yield Testing

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

Recommended pump rate	
Well Production	
Disinfected?	

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	

25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter

Audit Number: C13229

Date Well Completed: January 03, 2018

Date Well Record Received by MOE: January 15, 2018

Related

How to use a Ministry of the Environment map (https://www.ontario.ca/page/how-use-ministry-environment-map#wells)

Technical documentation: Metadata record (https://data.ontario.ca/dataset/well-records/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77)

Updated: January 10, 2024
Published: March 20, 2014

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☐ Metric ☑ Imperial

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

Tag#: A247971

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	Hindu Temple of Ottawa Carleton	hinduteampleottawa@gmail.com	

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
4835 Bank St	Ottawa	ON	K1X 1G6	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
4835 Bank St			

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa	Ottawa	Ontario	K1X 1G6

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	453954	5017560		

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
Grey	Till	Fill, Sand	Very Dense	0'	19'10"

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)
0'	8'8"	Bentonite	2.7 ft^3
8'8"	9'10"	Silica Sand	3.8 ft^3

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
2.067	PVC	0.154	0'	9'10"

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
2.375	PVC	3	9'10"	19'10"

Status of Well

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

Water Details

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

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0'	19'10"	8"

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

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

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

Recommended pump depth *(m/ft)*

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

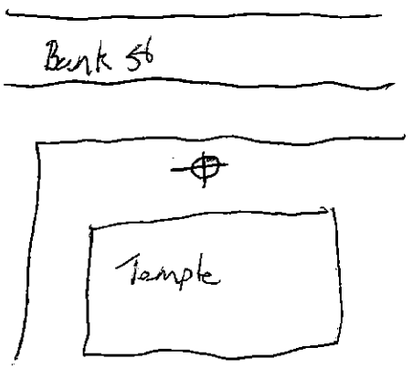
Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

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

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
CCC Geotechnical and Environmental Drilling	7154

Business Address (Street Number/Name)	Municipality
48-2271 Edinburgh Place	Ottawa

Province	Postal Code	Business E-mail Address
ON	K1B 5M1	mwebb@cccgroup.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
613 737 5272	Seymour, Vincent

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3188		2019 10 18

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☑ No		2019 09 24

Ministry Use Only

Audit No. Z286383

Received OCT 22 2019

0506E (2014/11)

Ministry's Copy

© Queen's Printer for Ontario, 2014

Ontario

Ministry of the Environment and Climate Change

Measurements recorded in: ☐ Metric ☐ Imperial

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

Tag#: A247970

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	Hindu Temple of Ottawa Collection	hindutempleottawa@gmail.com	

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
4935 Bank St	Ottawa	ON	K1K1G6	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
4935 Bank St			

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	455396	5017542		

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
Grey	Till	Fill Sand	Very Dense	0'	13'

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0'	7'	Bentonite 3/8 chips 2 [illegible]	
7'	13'	Silica Sand	[illegible] 2.9ft³

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
2.067	PVC	0.154	0'	8'

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*

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
2.375	PVC	3	8'	13'

Water Details

Water found at Depth (m/ft)	☐ Gas	Kind of Water: ☐ Fresh ☑ Untested ☐ Other, *specify*
10'		
	☐ Gas	Kind of Water: ☐ Fresh ☐ Untested ☐ Other, *specify*
	☐ Gas	Kind of Water: ☐ Fresh ☐ Untested ☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0'	13'	8"

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
CCC Geotechnical and Environmental Drilling	7543

Business Address (Street Number/Name)	Municipality
45-2627 Edinburgh Place	Ottawa

Province	Postal Code	Business E-mail Address
ON	K1B5M1	

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
6137305227	Seymour Vincent

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3380		2019 09 24

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

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

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

Recommended pump depth *(m/ft)*

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

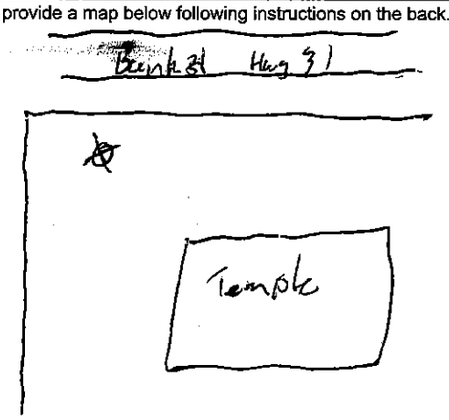
Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

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

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☑ No		2019 09 24

Ministry Use Only

Audit No. Z286385

Received OCT 22 2019

0506E (2014/11)

Ministry's Copy

© Queen's Printer for Ontario, 2014

Ontario

Ministry of the Environment and Climate Change

Measurements recorded in: ☐ Metric ☑ Imperial

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

Tag#: A247972

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	Hindu Temple of Ottawa Carleton	hindutemple@gmail.com	

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
4835 Bank St	Ottawa	ON	K1X1G6	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
4835 Bank St			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa	Ontario	K1X1G6

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 8 3	18	453946	5011758		

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
Grey	Till	Sand, Fill	Very Dense	0'	13'3"

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)
0'	7'	Bentonite	2.5 ft
7'	13'3"	Silica Sand	3A3

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
2.067	PVC	0.154	0'	8'3"

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
2.375	PVC	3	8'3"	13'3"

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	Hole Diameter Depth From	Hole Diameter Depth To	Hole Diameter (cm/in)
10' ☐ Gas	☐ Fresh ☑ Untested ☐ Other, *specify*	0"	13'3"	8"
(m/ft) ☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify*			
(m/ft) ☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify*			

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

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

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

Recommended pump depth *(m/ft)*

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

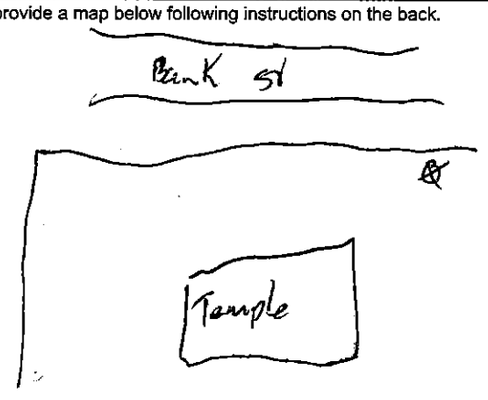
Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

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

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
CCC Geotechnical and Environmental Drilling	7543

Business Address (Street Number/Name)	Municipality
48-2627 Edinburgh Pl	Ottawa

Province	Postal Code	Business E-mail Address
ON	K1B5M1	Mwebb@ccgroup.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
6137375277	Seymour, Vincent

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3380		2019 09 24

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☑ No	Y Y Y Y M M D D	2019 09 24

Ministry Use Only

Audit No. Z286384

Received 2019

0506E (2014/11)

Ministry's Copy

© Queen's Printer for Ontario, 2014

Ontario

Ministry of the Environment and Climate Change

Measurements recorded in: ☐ Metric ☑ Imperial

Well Tag No. *(Place Sticker and/or Print Below)* A247989

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	Hindu Temple of Ottawa Carleton	hindutemple@gmail.com	

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
4835 Bank St	Ottawa	ON	K1X1G6	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
4835 Bank St			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa	Ontario	K1X1G6

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	454101	5017578		

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
Grey	Till	Fill, Sand	Very Dense	0'	10'10"

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used *(Material and Type)*	Volume Placed (m^3/ft^3)
0'	5'	Bentonite	1.6 Ft3
5'	10'10"	Silica Sand	1.7 Ft3

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
2.067	PVC	0.154	0'	5'10"

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
2.375	PVC	3	5'10"	10'10"

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	Hole Diameter Depth From	Depth To	Diameter (cm/in)
8' ☐ Gas	☐ Fresh ☑ Untested ☐ Other, *specify* _____	0'	10'10"	8"
(m/ft) ☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify* _____			
(m/ft) ☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify* _____			

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

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

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

Recommended pump depth *(m/ft)*

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

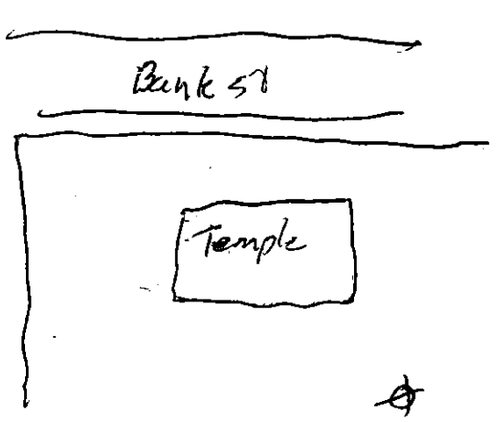
Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

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

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
CCC Geotechnical and Environmental Drilling	7543

Business Address (Street Number/Name)	Municipality
48-2627 Edinburgh Place	Ottawa

Province	Postal Code	Business E-mail Address
ON	K1B5N1	mueller@cccgroup.ca

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

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3388		2013/09/24

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☑ No		2013/09/24

Ministry Use Only

Audit No. Z286336

Received OCT 22 2013

© Queen's Printer for Ontario, 2014

Outlook

RE: PE6762 - Records Search Request

From Public Information Services <publicinformationservices@tssa.org>
Date Fri 9/20/2024 2:35 PM
To Kuldeep Panchal <KPanchal@patersongroup.ca>

External Email: Do not click on links or open attachments unless you trust the sender.

Hello ,

RECORD FOUND IN CURRENT DATABASE:

- We confirm that there are **fuels records** in our database at the subject address(es).

Inventory Number	Address	City	Province	Postal Code	Status	Asset Type / Inventory Item
10904224	4815 BANK ST	GLOUCESTER	ON	K1X 1G6	EXPIRED	FS PROPANE TANK
9620986	4815 BANK ST	GLOUCESTER	ON	K1X 1G6	EXPIRED	FS PROPANE REFILL CNTR - CYLR FILL
70008153	4836 BANK ST	GLOUCESTER	ON	K1X 1G6	Active	FS CYLINDER EXCHANGE

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,
Sherees

Public Information Agent
Facilities and Business Services
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: publicinformationservices@tssa.org
www.tssa.org

From: Kuldeep Panchal <KPanchal@patersongroup.ca>
Sent: Friday, September 20, 2024 11:24 AM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: PE6762 - Records Search Request

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

Hello,

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

Bank Street: 4806, 4810, 4815, 4816, 4820, 4828, 4836

Cedar Creek Drive: 1054, 1055

Dun Skipper Drive: 128

Best Regards,

PATERSON GROUP
SOLUTION ORIENTED ENGINEERING

KULDEEP PANCHAL

Junior Environmental Scientist

Environmental Division

TEL: (613) 226-7381 ext.103
DIRECT: (613) 701-6276

9 AURIGA DRIVE
OTTAWA ON K2E 7T9

patersongroup.ca

TEMPORARY SHORING DESIGN SERVICES ARE NOW AVAILABLE, PLEASE CONTACT US TO SEE HOW WE CAN HELP!

NEW OFFICE OPEN IN THE GREATER TORONTO AREA WITH OUR EXPANSIVE LIST OF SERVICES NOW AVAILABLE!

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

Office Use Only			
Application Number:	Ward Number:	Application Received: (dd/mm/yyyy):	
Client Service Centre Staff:		Fee Received:	$

Historic Land Use Inventory

Application Form

Notice of Public Record

All information and materials required in support of your application shall be made available to the public, as indicated by Section 1.0.1 of *The Planning Act*, R.S.O. 1990, C.P.13.

Municipal Freedom of Information and Protection Act

Personal information on this form is collected under the authority the *Planning Act*, RSO 1990, c. P. 13 and will be used to process this application. Questions about this collection may be directed by mail to Manager, Business Support Services, Planning, Real Estate and Economic Development Department, 110 Laurier Avenue West, Ottawa, K1P 1J1, or by phone at (613) 580-2424, ext. 24075

Background Information

***Site Address or Location:** 4828 Bank Street

** Mandatory Field*

***Applicant/Agent Information:**

Company name:	Paterson Group Inc.		
Contact name:	Kuldeep Panchal		
Mailing Address:	9 Auriga Drive, Ottawa, Ontario, K2E 7T9		
Telephone:	613-226-7381	Email Address:	kpanchal@patersongroup.ca

***Registered Property Owner Information:** ☐ Same as above

Name:	Bank & Dun Developments Inc.		
Mailing Address:	209 Wicksteed Avenue Suite 30, Toronto, ON, M4G 0B1		
Telephone:	416-700-3007	Email Address:	paul@maverickdevelopments.com

Site Details

Legal Description and PIN:

What is the land currently used for? *Vacant*

Lot frontage: m Lot depth: m Lot area: 0 m²

OR Lot area: (irregular lot) 29274.20 m²

Does the site have Full Municipal Services: ○ Yes ◉ No

Required Fees

Please don't hesitate to visit the Historic Land Use Inventory website more information. Fees must be paid in full at the time of application submission.

Planning Fee $181.00

Submittal Requirements

The following are required to be submitted with this application:

1. **Consent to Disclose Information:** Consultants and other third parties may make requests for information on behalf of an individual or corporation. However, if the requester is not the owner of the property, **the requester must provide the City of Ottawa with a 'consent to disclose information' letter, signed by the property owner.** This will authorize the City of Ottawa to release any relevant information about the property or its owner(s) to the requester. Consent for disclosure is required in the event that personal information or proprietary company information is found concerning the property and its owner. All consents must clearly indicate the name of the property owner as well as the name of the requester, and must be signed and dated.
2. **Disclaimer:** Requesters must read and understand the conditions included in the attached disclaimer and submit a signed disclaimer to the City of Ottawa's Planning, Real Estate and Economic Development Department. This disclaimer is related to the Historic Land Use Inventory and must be received by the City of Ottawa, signed and dated by the requestor, before the process can begin.
3. **A site plan or key plan of the property, its location and particular features.**
4. **Any significant dates or time frames that you would like researched.**

Disclaimer
For use with HLUI Database

CITY OF OTTAWA ("the City") is the owner of the Historical Land Use Inventory ("HLUI"), a database of information on the type and location of land uses within the geographic area of Ottawa, which had or have the potential to cause contamination in soil, groundwater or surface water.

The City, in providing information from the HLUI, to Paterson Group Inc. ("the Requester") does so only under the following conditions and understanding:

1. The HLUI may contain erroneous information given that such records and sources of information may be flawed. Changes in municipal addresses over time may have introduced error in such records and sources of information. The City is not responsible for any errors or omissions in the HLUI and reserves the right to change and update the HLUI without further notice. The City does not, however, make any commitment to update the HLUI. Accordingly, all information from the HLUI is provided on an "as is" basis with no representation or warranty by the City with respect to the information's accuracy or exhaustiveness in responding to the request.

2. City staff will perform a search of the HLUI based on the information given by the Requester. City staff will make every effort to be accurate, however, the City does not provide an assurance, guarantee, warranty, representation (express or implied), as to the availability, accuracy, completeness or currency of information which will be provided to the Requester. The HLUI in no way confirms the presence or absence of contamination or pollution of any kind. The information provided by the City to the Requester is provided on the assumption that it will not be relied upon by any person whatsoever. The City denies all liability to any such persons attempting to rely on any information provided from the HLUI database.

3. The City, its employees, servants, agents, boards, officials or contractors take no responsibility for any actions, claims, losses, liability, judgments, demands, expenses, costs, damages or harm suffered by any person whatsoever including negligence in compiling or disseminating information in the HLUI.

4. Copyright is reserved to the City.

5. Any use of the information provided from the HLUI which a third party makes, or any reliance on or decisions to be based on it, are the responsibilities of such third parties. The City, its employees, servants, agents, boards, officials or contractors accept no responsibility for any damages, if any, suffered by a third party as a result of decisions made as a result of an information search of the HLUI.

6. Any use of this service by the Requestor indicates an acknowledgement, acceptance and limits of this disclaimer.

7. All information collected under this request and all records provided in response to this request are subject to the provisions of the Municipal Freedom of Information and Protection of Privacy Act, R.S.O. 1990, c. M.56, as amended.

Signed: 

Dated (dd/mm/yyyy): 23/09/2024

Per: Kuldeep Panchal
(Please print name)

Title: Jr. Environmental Scientist

Company: Paterson Group Inc.

DATABASE REPORT

Project Property:	*Phase I ESA-PE6762* *4828 Bank Street* *Gloucester ON K1X 1G6*
Project No:	*61329*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*24092000250*
Requested by:	*Paterson Group Inc.*
Date Completed:	*September 25, 2024*

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

Table of Contents

Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a database review of environmental records.

License for use of information in Report: No page of this report can be used without this cover page, this notice and the project property identifier. The information in Report(s) may not be modified or re-sold.

Your Liability for misuse: Using this Service and/or its reports in a manner contrary to this Notice or your agreement will be in breach of copyright and contract and ERIS may obtain damages for such mis-use, including damages caused to third parties, and gives ERIS the right to terminate your account, rescind your license to any previous reports and to bar you from future use of the Service.

No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Limited Partnership ("ERIS") using various sources of information, including information provided by Federal and Provincial government departments. The report applies only to the address and up to the date specified on the cover of this report, and any alterations or deviation from this description will require a new report. This report and the data contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein and does not constitute a legal opinion nor medical advice. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

Trademark and Copyright: You may not use the ERIS trademarks or attribute any work to ERIS other than as outlined above. This Service and Report (s) are protected by copyright owned by ERIS Information Limited Partnership. Copyright in data used in the Service or Report(s) (the "Data") is owned by ERIS or its licensors. The Service, Report(s) and Data may not be copied or reproduced in whole or in any substantial part without prior written consent of ERIS.

Executive Summary

Property Information:

Project Property:	*Phase I ESA-PE6762* *4828 Bank Street Gloucester ON K1X 1G6*
Project No:	*61329*

Order Information:

Order No:	*24092000250*
Date Requested:	*September 20, 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	6	6
CA	Certificates of Approval	Y	0	0	0
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
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	2	2
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	4	4
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	6	6
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	6	6
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	6	6
PFAS	Ontario PFAS Spills	Y	0	0	0
PFCH	NPRI Reporters - PFAS Substances	Y	0	0	0
PFHA	Potential PFAS Handlers from NPRI	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PPHA	Potential PFAS Handlers from EASR	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	1	1
PTTW	Permit to Take Water	Y	0	1	1
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	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

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
WDSH	***Waste Disposal Sites - MOE 1991 Historical Approval Inventory***	*Y*	*0*	*0*	*0*
WWIS	***Water Well Information System***	*Y*	*1*	*15*	*16*
		Total:	*1*	*49*	*50*

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	WWIS		lot 21 con 4 ON ***Well ID:*** 7332169	NNW/0.0	-1.69	21

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	BORE		ON	ESE/11.7	0.25	21
3	WWIS		lot 22 con 4 ON ***Well ID:*** 1502179	ESE/11.8	0.25	23
4	WWIS		lot 21 con 4 ON ***Well ID:*** 1502181	NNE/12.6	-3.30	26
5	BORE		ON	NNE/12.8	-3.30	28
6	SPL	ONTARIO HYDRO	4820 BANK ST TRANSFORMER GLOUCESTER CITY ON K1X 1G6	NNE/16.4	-3.30	29
7	WWIS		4835 BANK ST Ottawa ON ***Well ID:*** 7344683	E/42.6	-1.73	30
8	WWIS		4835 Bank St Ottawa ON ***Well ID:*** 7344680	ESE/56.5	-1.73	33
9	WWIS		lot 21 con 4 ON ***Well ID:*** 1502176	N/58.7	-3.66	36
10	BORE		ON	N/71.1	-4.39	38
11	WWIS		4835 Bank St lot 22 con 5 Ottawa ON ***Well ID:*** 7344681	ESE/74.9	-1.00	39
12	GEN	UPI INC. 39-454	HIGHWAY #31 SOUTH, 4836 BANK ST. OTTAWA ON K1G 3N4	SSE/87.0	2.31	42
12	GEN	UCO PETROLEUM INC. 39-454	HWY#31 SOUTH, 4836 BANK ST. OTTAWA ON K1G 3N4	SSE/87.0	2.31	42

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
12	PES	OTTAWA FEED & HARDWARE INC	4836 BANK ST GLOUCESTER ON K1X 1G6	SSE/87.0	2.31	43
12	PES	OTTAWA FEED & HARDWARE INC	4836 BANK ST GLOUCESTER ON K1X 1G6	SSE/87.0	2.31	43
12	PES	OTTAWA FEED & HARDWARE INC	4836 BANK ST GLOUCESTER ON K1X1G6	SSE/87.0	2.31	43
12	EHS		4836 Bank Street Ottawa ON	SSE/87.0	2.31	44
12	EHS		4836 Bank Street Ottawa Ontario Gloucester ON K1X 1G6	SSE/87.0	2.31	44
12	ECA	2668867 Ontario Inc.	4836 Bank St Ottawa Ottawa ON K1X 1G6	SSE/87.0	2.31	44
12	PES		4836 BANK ST GLOUCESTER ON K1X 1G6	SSE/87.0	2.31	44
13	PRT	OTTAWA CAMPING TRAILERS LTD	LOT 21 CON 5 HWY 31 OTTAWA ON	NNE/102.7	-5.64	45
13	DTNK	OTTAWA CAMPING TRAILERS LTD	4815 BANK ST GLOUCESTER ON	NNE/102.7	-5.64	45
13	DTNK	OTTAWA CAMPING TRAILERS LTD	4815 BANK ST GLOUCESTER ON	NNE/102.7	-5.64	46
14	WWIS		lot 22 con 4 ON ***Well ID:*** 1513436	SSE/106.9	2.00	46
15	GEN	Heart and Stroke Foundation	Hindu Temple 4835 Bank Street, Gloucester Ottawa ON K1X 1G6	E/109.4	-3.69	50
15	EHS		4835 Bank Street Ottawa ON	E/109.4	-3.69	50

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
16	WWIS		lot 21 con 5 ON ***Well ID:*** 1509925	NE/139.9	-5.64	50
17	BORE		ON	NE/140.1	-5.64	53
18	PES	IMPERIAL NURSERY	4810 BANK STREET SOUTH GLOUCESTER ON K1G 3N3	NNW/153.3	-5.69	54
19	PES	IMPERIAL NURSERY	4810 BANK STREET SOUTH GLOUCESTER ON K1G3N4	NNW/153.6	-5.69	54
20	PTTW	4840 Bank St. Ltd.	4840 Bank Street Canada ON	SSE/173.1	2.31	55
20	ECA	Leitrim South Holdings Inc.	4800 Bank St 4840 Bank Street Ottawa ON K2C 0P9	SSE/173.1	2.31	55
20	ECA	Pathways South Regional Inc.	4840 Bank St Part of Lot 22, Concession 4 (Rideau Front) Ottawa ON K2C 0P9	SSE/173.1	2.31	55
20	ECA	Pathways South Regional Inc.	4840 Bank St Ottawa ON K2C 0P9	SSE/173.1	2.31	56
20	EHS		4840 Bank St/Pathways Block 204 Ottawa ON	SSE/173.1	2.31	56
21	EHS		4800 Bank Street Gloucester ON K1X 1G6	WNW/193.4	-2.61	56
22	WWIS		lot 21 con 5 ON ***Well ID:*** 1517349	NNE/195.7	-6.69	56
23	GEN	LEITRIM READY-MIX LTD	BOX 204, RR #6 HWY. 31 & BLAINS ROAD GLOUCESTER ON K1G 3N4	WNW/199.2	-2.78	59

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
23	GEN	LEITRIM READY-MIX LTD 24-089	BOX 204, RR #6 HWY. 31 & BLAINS ROAD GLOUCESTER ON K1G 3N4	WNW/199.2	-2.78	60
23	GEN	LEITRIM READY-MIX LTD.	HIGHWAY 31 & BLAINS ROAD GLOUCESTER ON K1G 3N4	WNW/199.2	-2.78	60
23	SPL		Blais Rd. east of Bank St. Ottawa ON	WNW/199.2	-2.78	60
24	WWIS		lot 22 con 4 ON ***Well ID:*** 1514664	S/208.6	3.31	61
25	WWIS		lot 21 con 4 ON ***Well ID:*** 1502175	NNW/208.8	-6.39	65
26	BORE		ON	NNW/208.9	-6.39	67
27	WWIS		4835 Bank St Ottawa ON ***Well ID:*** 7344684	E/215.0	-3.74	69
28	WWIS		lot 22 con 5 ON ***Well ID:*** 1516052	E/227.6	-2.77	71
29	WWIS		lot 21 con 5 ON ***Well ID:*** 1502246	NNE/228.5	-8.00	75
30	BORE		ON	NNE/228.6	-8.00	78
31	EHS		820 Miikana Road Ottawa ON K1X 0G5	WNW/247.2	-3.41	79
32	WWIS		lot 22 con 4 ON ***Well ID:*** 1502180	SE/248.3	-0.35	79

Executive Summary: Summary By Data Source

BORE - Borehole

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

Site	Address	Distance (m)	Map Key
	ON	11.7	2
	ON	12.8	5
	ON	71.1	10
	ON	140.1	17
	ON	208.9	26
	ON	228.6	30

DTNK - Delisted Fuel Tanks

A search of the DTNK database, dated Oct 2023 has found that there are 2 DTNK site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
OTTAWA CAMPING TRAILERS LTD	4815 BANK ST GLOUCESTER ON	102.7	13
OTTAWA CAMPING TRAILERS LTD	4815 BANK ST GLOUCESTER ON	102.7	13

Site	Address	Distance (m)	Map Key

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Aug 31, 2024 has found that there are 4 ECA site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
2668867 Ontario Inc.	4836 Bank St Ottawa Ottawa ON K1X 1G6	87.0	12
Leitrim South Holdings Inc.	4800 Bank St 4840 Bank Street Ottawa ON K2C 0P9	173.1	20
Pathways South Regional Inc.	4840 Bank St Ottawa ON K2C 0P9	173.1	20
Pathways South Regional Inc.	4840 Bank St Part of Lot 22, Concession 4 (Rideau Front) Ottawa ON K2C 0P9	173.1	20

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Mar 31, 2024 has found that there are 6 EHS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	4836 Bank Street Ottawa Ontario Gloucester ON K1X 1G6	87.0	12
	4836 Bank Street Ottawa ON	87.0	12
	4835 Bank Street Ottawa ON	109.4	15
	4840 Bank St/Pathways Block 204 Ottawa ON	173.1	20

Site	Address	Distance (m)	Map Key
	4800 Bank Street Gloucester ON K1X 1G6	193.4	21
	820 Miikana Road Ottawa ON K1X 0G5	247.2	31

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Oct 31, 2022 has found that there are 6 GEN site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
UPI INC. 39-454	HIGHWAY #31 SOUTH, 4836 BANK ST. OTTAWA ON K1G 3N4	87.0	12
UCO PETROLEUM INC. 39-454	HWY#31 SOUTH, 4836 BANK ST. OTTAWA ON K1G 3N4	87.0	12
Heart and Stroke Foundation	Hindu Temple 4835 Bank Street, Gloucester Ottawa ON K1X 1G6	109.4	15
LEITRIM READY-MIX LTD.	HIGHWAY 31 & BLAINS ROAD GLOUCESTER ON K1G 3N4	199.2	23
LEITRIM READY-MIX LTD 24-089	BOX 204, RR #6 HWY. 31 & BLAINS ROAD GLOUCESTER ON K1G 3N4	199.2	23
LEITRIM READY-MIX LTD	BOX 204, RR #6 HWY. 31 & BLAINS ROAD GLOUCESTER ON K1G 3N4	199.2	23

PES - Pesticide Register

A search of the PES database, dated Oct 2011-Aug 31, 2024 has found that there are 6 PES site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	4836 BANK ST GLOUCESTER ON K1X 1G6	87.0	12
OTTAWA FEED & HARDWARE INC	4836 BANK ST GLOUCESTER ON K1X 1G6	87.0	12
OTTAWA FEED & HARDWARE INC	4836 BANK ST GLOUCESTER ON K1X 1G6	87.0	12
OTTAWA FEED & HARDWARE INC	4836 BANK ST GLOUCESTER ON K1X1G6	87.0	12
IMPERIAL NURSERY	4810 BANK STREET SOUTH GLOUCESTER ON K1G 3N3	153.3	18
IMPERIAL NURSERY	4810 BANK STREET SOUTH GLOUCESTER ON K1G3N4	153.6	19

PRT - Private and Retail Fuel Storage Tanks

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

Site	Address	Distance (m)	Map Key
OTTAWA CAMPING TRAILERS LTD	LOT 21 CON 5 HWY 31 OTTAWA ON	102.7	13

PTTW - Permit to Take Water

A search of the PTTW database, dated 1994 - July 31, 2024 has found that there are 1 PTTW site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
4840 Bank St. Ltd.	4840 Bank Street Canada ON	173.1	20

SPL - Ontario Spills

A search of the SPL database, dated 1988-Mar 2024; May 2024 has found that there are 2 SPL site(s) within approximately 0.25 kilometers of the project property.

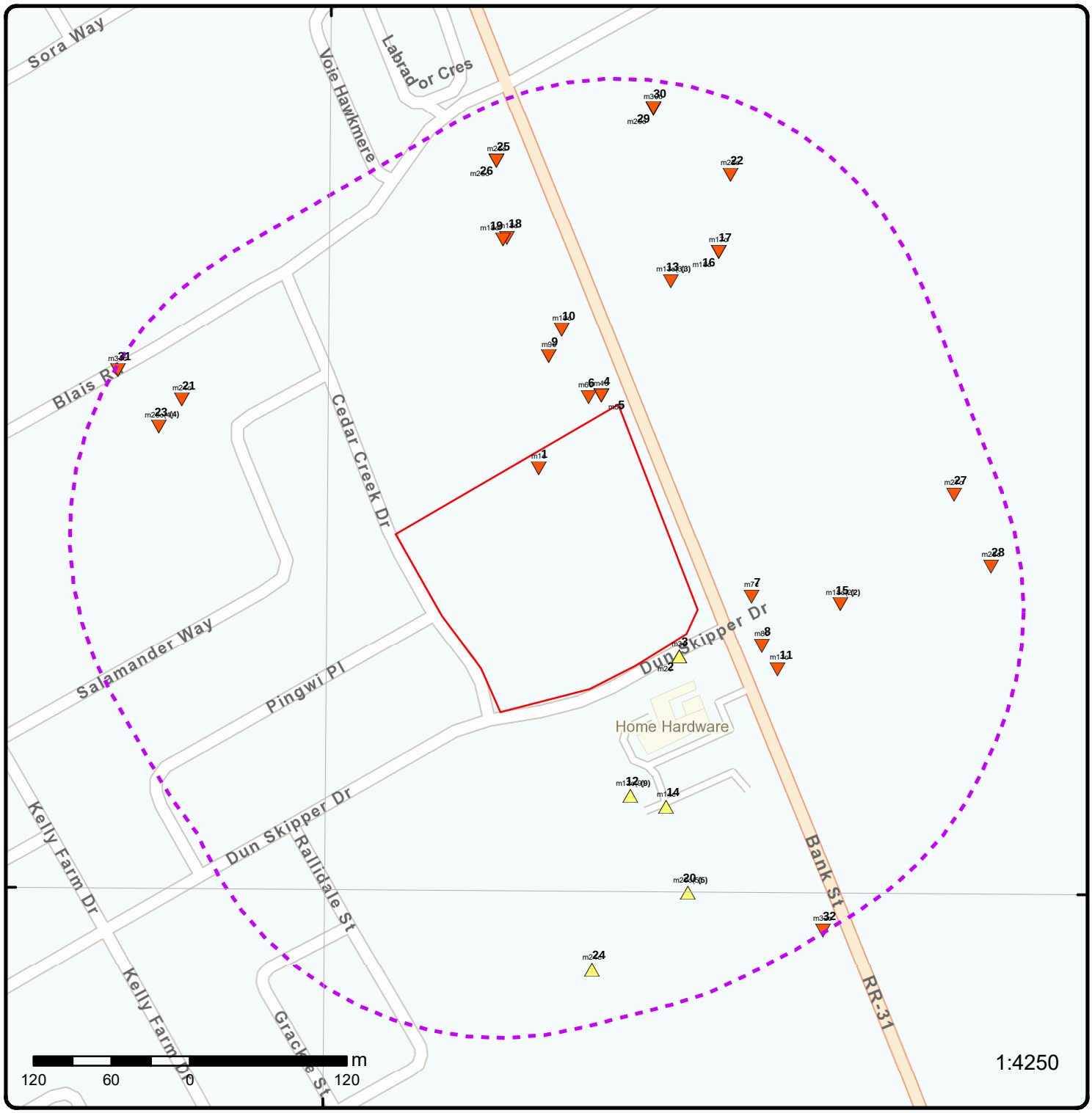
Site	Address	Distance (m)	Map Key
ONTARIO HYDRO	4820 BANK ST TRANSFORMER GLOUCESTER CITY ON K1X 1G6	16.4	6
	Blais Rd. east of Bank St. Ottawa ON	199.2	23

WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31 2023 has found that there are 16 WWIS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	lot 21 con 4 ON ***Well ID:*** 7332169	0.0	1
	lot 22 con 4 ON ***Well ID:*** 1502179	11.8	3
	lot 21 con 4 ON ***Well ID:*** 1502181	12.6	4
	4835 BANK ST Ottawa ON ***Well ID:*** 7344683	42.6	7
	4835 Bank St Ottawa ON ***Well ID:*** 7344680	56.5	8
	lot 21 con 4 ON ***Well ID:*** 1502176	58.7	9
	4835 Bank St lot 22 con 5 Ottawa ON	74.9	11

Site	Address	Distance (m)	Map Key
	Well ID: 7344681		
	lot 22 con 4 ON ***Well ID:*** 1513436	106.9	14
	lot 21 con 5 ON ***Well ID:*** 1509925	139.9	16
	lot 21 con 5 ON ***Well ID:*** 1517349	195.7	22
	lot 22 con 4 ON ***Well ID:*** 1514664	208.6	24
	lot 21 con 4 ON ***Well ID:*** 1502175	208.8	25
	4835 Bank St Ottawa ON ***Well ID:*** 7344684	215.0	27
	lot 22 con 5 ON ***Well ID:*** 1516052	227.6	28
	lot 21 con 5 ON ***Well ID:*** 1502246	228.5	29
	lot 22 con 4 ON ***Well ID:*** 1502180	248.3	32



Map: 0.25 Kilometer Radius

Order Number: 24092000250

Address: 4828 Bank Street, Gloucester, ON

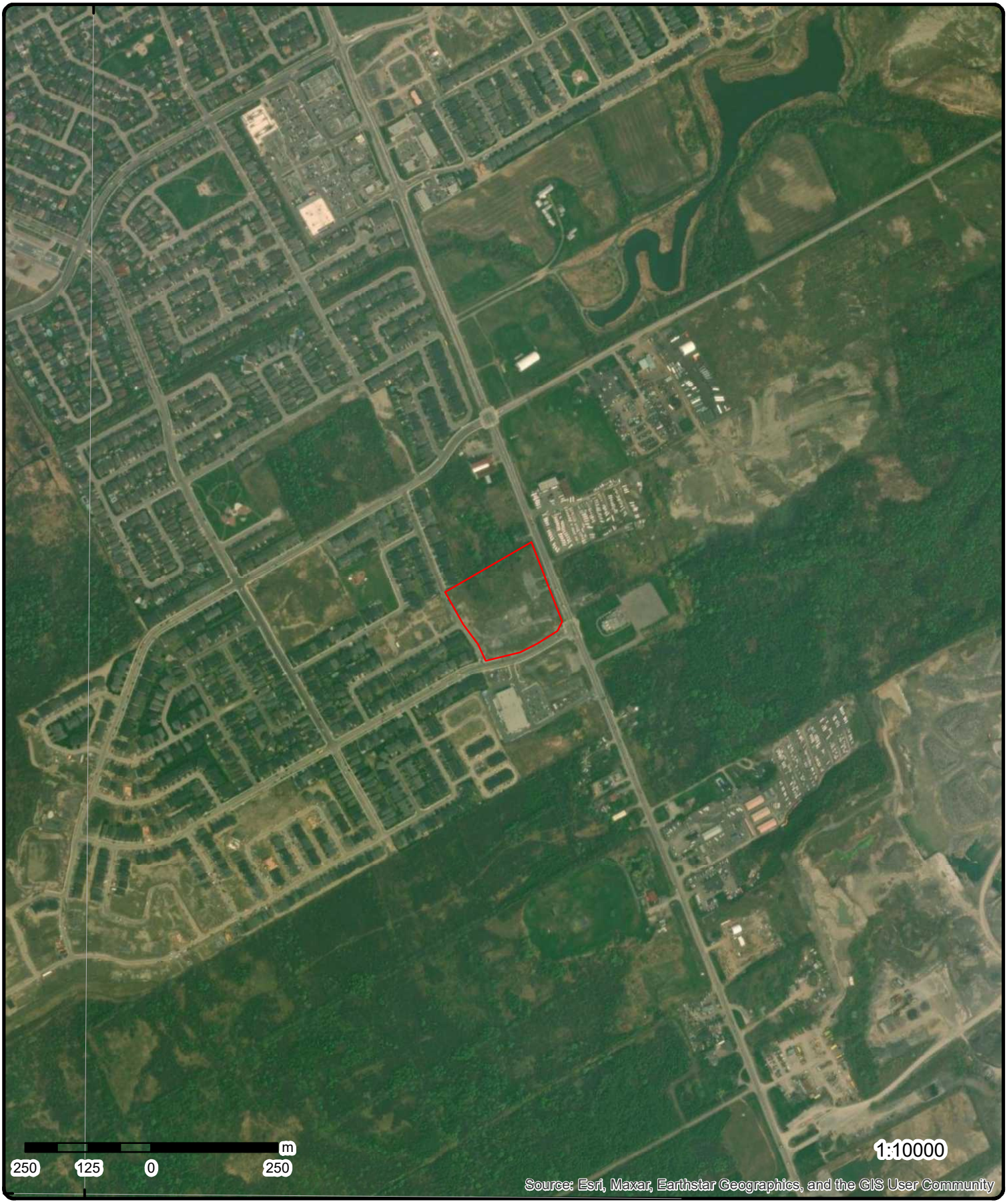
ERIS

- 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)

Source: © 2021 ESRI StreetMap Premium.

© ERIS Information Limited Partnership

75°36'W



45°18'N

Aerial

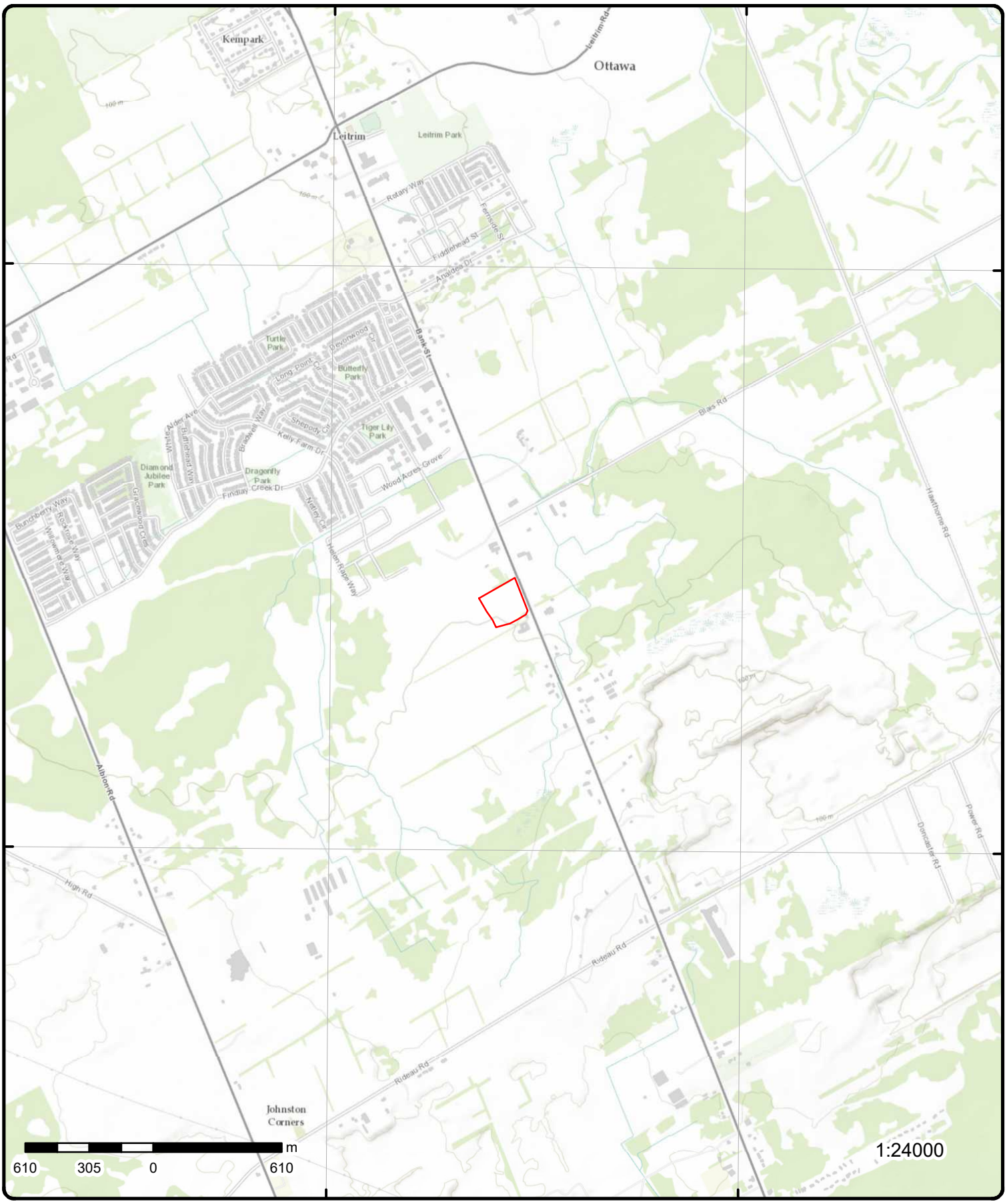
Year: 2023

Order Number: 24092000250

Address: 4828 Bank Street, Gloucester, ON

Source: ESRI World Imagery

© ERIS Information Limited Partnership



Topographic Map

Address: 4828 Bank Street, ON

Source: ESRI World Topographic Map

Order Number: 24092000250

© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	NNW/0.0	95.9 / -1.69	lot 21 con 4 ON	WWIS

Well ID:	7332169	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:		**Data Entry Status:**	Yes
Use 2nd:		**Data Src:**	
Final Well Status:		**Date Received:**	01/15/2018
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	C13229	**Contractor:**	6894
Tag:		**Form Version:**	6
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	021
Depth to Bedrock:		**Concession:**	04
Well Depth:		**Concession Name:**	RF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GLOUCESTER TOWNSHIP		
Site Info:			

Additional Detail(s) (Map)

Bore Hole ID:	1007549284	**Tag No:**	
Depth M:		**Contractor:**	6894
Year Completed:	2018	**Latitude:**	45.3112469632583
Well Completed Dt:	01/03/2018	**Longitude:**	-75.5895972643052
Audit No:	C13229	**Y:**	45.31124695617014
Path:		**X:**	-75.5895971026018

Bore Hole Information

Bore Hole ID:	1007549284	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	453783.00
Code OB Desc:		**North83:**	5017696.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	01/03/2018	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	ESE/11.7	97.8 / 0.25		BORE

Borehole ID:	614686	**Inclin FLG:**	No
OGF ID:	215515629	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	OCT-1961	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.309959
Total Depth m:	27.1	**Longitude DD:**	-75.58821
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	453891
Drill Method:		**Northing:**	5017552
Orig Ground Elev m:	99.1	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	98.8		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218399047	**Mat Consistency:**	Compact
Top Depth:	7.6	**Material Moisture:**	
Bottom Depth:	27.1	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Sandstone	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SANDSTONE. 00085BEDROCK. 0003500070GREY,SOFT TO STIFF. SILT. GREY,COMPACT. BEDROCK.		

Geology Stratum ID:	218399045	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	4.9	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Boulders	**Geologic Formation:**	
Material 2:	Clay	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BOULDERS.		

Geology Stratum ID:	218399046	**Mat Consistency:**	
Top Depth:	4.9	**Material Moisture:**	
Bottom Depth:	7.6	**Material Texture:**	
Material Color:	Grey	**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. GREY.		

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: OTTAWA2.txt RecordID: 07194 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		

---

3 | ***1 of 1*** | ***ESE/11.8*** | ***97.8 / 0.25*** | ***lot 22 con 4 ON*** | ***WWIS***

Well ID:	1502179	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Commerical	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	11/14/1961
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1802
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	022
Depth to Bedrock:		**Concession:**	04
Well Depth:		**Concession Name:**	RF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GLOUCESTER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502179.pdf

Additional Detail(s) (Map)

Well Completed Date:	10/06/1961
Year Completed:	1961
Depth (m):	27.1272
Latitude:	45.3099579089623
Longitude:	-75.5882099845241
X:	-75.58820982319847
Y:	45.30995790186955
Path:	150\1502179.pdf

Bore Hole Information

Bore Hole ID:	10024222	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	453890.70
Code OB Desc:		**North83:**	5017552.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	10/06/1961	**UTMRC Desc:**	margin of error : 100 m - 300 m

Remarks: ***Location Method:*** p5
Location 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: 930993840
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 16.0
Formation End Depth: 25.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930993841
Layer: 3
Color:
General Color:
Material 1: 18
Material 1 Desc: SANDSTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 25.0
Formation End Depth: 89.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930993839
Layer: 1
Color:
General Color:
Material 1: 13
Material 1 Desc: BOULDERS
Material 2: 05
Material 2 Desc: CLAY
Material 3: 09
Material 3 Desc: MEDIUM SAND
Formation Top Depth: 0.0
Formation End Depth: 16.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961502179
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID: 10572792
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930041228
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 21.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930041229
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 89.0
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: 991502179
Pump Set At:
Static Level: 20.0
Final Level After Pumping: 70.0
Recommended Pump Depth: 80.0
Pumping Rate: 1.0
Flowing Rate:
Recommended Pump Rate: 1.0
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: 933454922
Layer: 1
Kind Code: 1

Kind: FRESH
Water Found Depth: 85.0
Water Found Depth UOM: ft

---

4 | **1 of 1** | **NNE/12.6** | **94.3 / -3.30** | **lot 21 con 4 ON** | **WWIS**

Well ID: 1502181
Construction Date:
Use 1st: Domestic
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 09/05/1962
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3601
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 021
Concession: 04
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502181.pdf

Additional Detail(s) (Map)

Well Completed Date: 07/26/1962
Year Completed: 1962
Depth (m): 14.0208
Latitude: 45.3117541564012
Longitude: -75.5889940015298
X: -75.58899384002835
Y: 45.3117541488054
Path: 150\1502181.pdf

Bore Hole Information

Bore Hole ID: 10024224
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 07/26/1962
Remarks:
Location 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: 453830.70
North83: 5017752.00
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID:	930993844
Layer:	1
Color:	
General Color:	
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	21.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930993845
Layer:	2
Color:	
General Color:	
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	21.0
Formation End Depth:	46.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961502181
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10572794
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930041232
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	21.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930041233

Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	46.0
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:	991502181
Pump Set At:	
Static Level:	8.0
Final Level After Pumping:	10.0
Recommended Pump Depth:	30.0
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:	933454924
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	46.0
Water Found Depth UOM:	ft

5 ***1 of 1*** ***NNE/12.8*** ***94.3 / -3.30*** ***ON*** ***BORE***

Borehole ID:	614688	**Inclin FLG:**	No
OGF ID:	215515631	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	JUL-1962	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.311756
Total Depth m:	14	**Longitude DD:**	-75.588994
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	453831
Drill Method:		**Northing:**	5017752
Orig Ground Elev m:	96	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	95.8		
Concession:			
Location D:			
Survey D:			
Comments:			

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

Borehole Geology Stratum

Geology Stratum ID:	218399051	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	6.4	***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:	218399052	***Mat Consistency:***	Soft
Top Depth:	6.4	***Material Moisture:***	
Bottom Depth:	14	***Material Texture:***	
Material Color:	Grey	***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. 00046 LIMESTONE. GREY. 00050CK. 0003500070GREY,SOFT TO STIFF. SILT.		

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: OTTAWA2.txt RecordID: 07196 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
6	1 of 1	NNE/16.4	94.3 / -3.30	ONTARIO HYDRO 4820 BANK ST TRANSFORMER GLOUCESTER CITY ON K1X 1G6	SPL

Ref No:	58132	***Municipality No:***	20105
Year:		***Nature of Damage:***	
Incident Dt:	10/2/1991	***Discharger Report:***	
Dt MOE Arvl on Scn:		***Material Group:***	
MOE Reported Dt:	10/3/1991	***Impact to Health:***	
Dt Document Closed:		***Agency Involved:***	
Site No:			
MOE Response:			
Site County/District:			
Site Geo Ref Meth:			
Site District Office:			
Nearest Watercourse:			
Site Name:			
Site Address:			
Site Region:			

Site Municipality:	GLOUCESTER CITY
Site Lot:	
Site Conc:	
Site Geo Ref Accu:	
Site Map Datum:	
Northing:	
Easting:	
Incident Cause:	COOLING SYSTEM LEAK
Incident Preceding Spill:	
Environment Impact:	CONFIRMED
Health Env Consequence:	
Nature of Impact:	Soil contamination
Contaminant Qty:	
Contaminant Qty 1:	
Contaminant Unit:	
Client Type:	
Source Type:	
Contaminant Code:	
Contaminant Name:	
Contaminant Limit 1:	
Contam Limit Freq 1:	
Contaminant UN No 1:	
Receiving Medium:	LAND
Incident Reason:	STORM/FLOOD/WIND
Incident Summary:	ONTARIO HYDRO-54L NON PCBTRANSFORMER OIL ONTO GROUND.
Activity Preceding Spill:	
Property 2nd Watershed:	
Property Tertiary Watershed:	
Sector Type:	
SAC Action Class:	
Call Report Locatn Geodata:	
Time Reported:	
System Facility Address:	
Client Name:	

---

7 | **1 of 1** | **E/42.6** | **95.8 / -1.73** | **4835 BANK ST Ottawa ON** | **WWIS**

Well ID:	7344683	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Monitoring	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Observation Wells	**Date Received:**	10/22/2019
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z286384	**Contractor:**	7543
Tag:	A247972	**Form Version:**	7
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:	GLOUCESTER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/734\7344683.pdf

Additional Detail(s) (Map)

Well Completed Date:	09/24/2019
Year Completed:	2019
Depth (m):	4.0386
Latitude:	45.3103755840051
Longitude:	-75.5875088450188
X:	-75.58750868292658
Y:	45.310375577037284
Path:	734\7344683.pdf

Bore Hole Information

Bore Hole ID:	1007687254	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	453946.00
Code OB Desc:		**North83:**	5017598.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	09/24/2019	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Location 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:	1008085974
Layer:	1
Color:	2
General Color:	GREY
Material 1:	34
Material 1 Desc:	TILL
Material 2:	28
Material 2 Desc:	SAND
Material 3:	01
Material 3 Desc:	FILL
Formation Top Depth:	0.0
Formation End Depth:	13.25
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1008087414
Layer:	1
Plug From:	0.0
Plug To:	7.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1008087415
Layer:	2
Plug From:	7.0
Plug To:	13.25
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1008089091
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	1008084826
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1008089347
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	8.25
Casing Diameter:	2.066999912261963
Casing Diameter UOM:	Inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1008089991
Layer:	1
Slot:	3
Screen Top Depth:	8.25
Screen End Depth:	13.25
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.375

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1008090684
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	

Water Details

Water ID: 1008090131
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 10.0
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1008088026
Diameter: 8.0
Depth From: 0.0
Depth To: 13.25
Hole Depth UOM: ft
Hole Diameter UOM: Inch

---

8 | **1 of 1** | **ESE/56.5** | **95.8 / -1.73** | **4835 Bank St Ottawa ON** | **WWIS**

Well ID:	7344680	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Monitoring	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Observation Wells	**Date Received:**	10/22/2019
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z286383	**Contractor:**	7543
Tag:	A247971	**Form Version:**	7
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:	GLOUCESTER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/734\7344680.pdf

Additional Detail(s) (Map)

Well Completed Date: 09/24/2019
Year Completed: 2019
Depth (m): 6.0450984
Latitude: 45.3100340723354
Longitude: -75.587403261625
X: -75.58740310040166
Y: 45.310034064756806
Path: 734\7344680.pdf

Bore Hole Information

Bore Hole ID:	1007687245	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	453954.00
Code OB Desc:		**North83:**	5017560.00
Open Hole:		**Org CS:**	UTM83

Cluster Kind:
Date Completed: 09/24/2019
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1008085971
Layer: 1
Color: 2
General Color: GREY
Material 1: 34
Material 1 Desc: TILL
Material 2: 01
Material 2 Desc: FILL
Material 3: 28
Material 3 Desc: SAND
Formation Top Depth: 0.0
Formation End Depth: 19.83300018310547
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1008087409
Layer: 2
Plug From: 8.5
Plug To: 19.83300018310547
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1008087408
Layer: 1
Plug From: 0.0
Plug To: 8.5
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1008089004
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 1008084823
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID:	1008089344
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	9.833000183105469
Casing Diameter:	2.066999912261963
Casing Diameter UOM:	Inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1008089987
Layer:	1
Slot:	1
Screen Top Depth:	9.833000183105469
Screen End Depth:	19.83300018310547
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.375

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1008090681
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	

Water Details

Water ID:	1008090128
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	11.0
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1008088023
Diameter:	8.0
Depth From:	0.0
Depth To:	19.83300018310547
Hole Depth UOM:	ft
Hole Diameter UOM:	Inch

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	1 of 1	N/58.7	93.9 / -3.66	lot 21 con 4 ON	WWIS

Well ID:	1502176	**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:**	09/05/1962
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	3601
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	021
Depth to Bedrock:		**Concession:**	04
Well Depth:		**Concession Name:**	RF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GLOUCESTER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502176.pdf

Additional Detail(s) (Map)

Well Completed Date:	07/20/1962
Year Completed:	1962
Depth (m):	13.716
Latitude:	45.3120215525433
Longitude:	-75.5895070644668
X:	-75.58950690272891
Y:	45.312021545625285
Path:	150\1502176.pdf

Bore Hole Information

Bore Hole ID:	10024219	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	453790.70
Code OB Desc:		**North83:**	5017782.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	07/20/1962	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Location 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:	930993832
Layer:	1
Color:	

General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 18.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930993833
Layer: 2
Color:
General Color:
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 18.0
Formation End Depth: 45.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961502176
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10572789
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930041223
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 45.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930041222
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:

Depth To:	18.0
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:	991502176
Pump Set At:	
Static Level:	6.0
Final Level After Pumping:	8.0
Recommended Pump Depth:	30.0
Pumping Rate:	6.0
Flowing Rate:	
Recommended Pump Rate:	6.0
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:	933454919
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	45.0
Water Found Depth UOM:	ft

---

10 ***1 of 1*** ***N/71.1*** ***93.2 / -4.39*** ***ON*** ***BORE***

Borehole ID:	614689	**Inclin FLG:**	No
OGF ID:	215515632	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:		**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.312204
Total Depth m:	-999	**Longitude DD:**	-75.589381
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	453801
Drill Method:		**Northing:**	5017802
Orig Ground Elev m:	96	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	95.2		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218399054	**Mat Consistency:**	Soft
Top Depth:	5.5	**Material Moisture:**	

Bottom Depth:		**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Limestone	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BEDROCK. 00046 LIMESTONE. GREY. 00050CK. 0003500070GREY,SOFT TO STIFF. SILT.		

Geology Stratum ID:	218399053	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	5.5	**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:	M	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 071970 NTS_Sheet: 31G05A		
Confiden 1:	Reliable information but incomplete.		

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*** | ***ESE/74.9*** | ***96.6 / -1.00*** | ***4835 Bank St lot 22 con 5 Ottawa ON*** | ***WWIS***

Well ID:	7344681	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Monitoring	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Observation Wells	**Date Received:**	10/22/2019
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z286385	**Contractor:**	7543
Tag:	A247970	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	022
Depth to Bedrock:		**Concession:**	05
Well Depth:		**Concession Name:**	RF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GLOUCESTER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/734\7344681.pdf

Additional Detail(s) (Map)

Well Completed Date: 09/24/2019
Year Completed: 2019
Depth (m): 3.9624
Latitude: 45.3098728421668
Longitude: -75.5872485140211
X: -75.58724835218406
Y: 45.30987283478173
Path: 734\7344681.pdf

Bore Hole Information

Bore Hole ID: 1007687248
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 09/24/2019
Remarks:
Location 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: 453966.00
North83: 5017542.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1008085972
Layer: 1
Color: 2
General Color: GREY
Material 1: 34
Material 1 Desc: TILL
Material 2: 01
Material 2 Desc: FILL
Material 3: 28
Material 3 Desc: SAND
Formation Top Depth: 0.0
Formation End Depth: 13.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1008087411
Layer: 2
Plug From: 7.0
Plug To: 13.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID:	1008087410
Layer:	1
Plug From:	0.0
Plug To:	7.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1008089005
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	1008084824
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1008089345
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	8.0
Casing Diameter:	2.066999912261963
Casing Diameter UOM:	Inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1008089988
Layer:	1
Slot:	3
Screen Top Depth:	8.0
Screen End Depth:	13.0
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.375

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1008090682
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	

Pumping Duration MIN:
Flowing:

Water Details

Water ID: 1008090129
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 10.0
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1008088024
Diameter: 8.0
Depth From: 0.0
Depth To: 13.0
Hole Depth UOM: ft
Hole Diameter UOM: Inch

---

12 | ***1 of 9*** | ***SSE/87.0*** | ***99.9 / 2.31*** | ***UPI INC. 39-454***
HIGHWAY #31 SOUTH, 4836 BANK ST.
OTTAWA ON K1G 3N4 | ***GEN***

Generator No: ON1446982
SIC Code: 5111
SIC Description: PETROLEUM PROD., WH.
Approval Years: 92,93,96,97,98
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

---

12 | ***2 of 9*** | ***SSE/87.0*** | ***99.9 / 2.31*** | ***UCO PETROLEUM INC. 39-454***
HWY#31 SOUTH, 4836 BANK ST.
OTTAWA ON K1G 3N4 | ***GEN***

Generator No: ON1446982
SIC Code: 5111
SIC Description: PETROLEUM PROD., WH.
Approval Years: 94,95
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		221			
Waste Class Name:		LIGHT FUELS			

12	3 of 9	SSE/87.0	99.9 / 2.31	**OTTAWA FEED & HARDWARE INC** **4836 BANK ST** **GLOUCESTER ON K1X 1G6**	PES

Detail Licence No:		**Operator Box:**	
Licence No:		**Operator Class:**	
Status:		**Operator No:**	
Approval Date:		**Operator Type:**	
Report Source:		**Oper Area Code:**	
Licence Type:	Limited Vendor	**Oper Phone No:**	
Licence Type Code:	23	**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:			

12	4 of 9	SSE/87.0	99.9 / 2.31	**OTTAWA FEED & HARDWARE INC** **4836 BANK ST** **GLOUCESTER ON K1X 1G6**	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:			

12	5 of 9	SSE/87.0	99.9 / 2.31	**OTTAWA FEED & HARDWARE INC** **4836 BANK ST** **GLOUCESTER ON K1X1G6**	PES

Detail Licence No:		**Operator Box:**	
Licence No:	13853	**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:**	8220760
Licence Type Code:	23	**Operator Ext:**	

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

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:			

---

12 | ***6 of 9*** | ***SSE/87.0*** | ***99.9 / 2.31*** | ***4836 Bank Street Ottawa ON*** | ***EHS***

Order No:	20130730017	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	07-AUG-13	**Search Radius (km):**	.25
Date Received:	30-JUL-13	**X:**	-75.5876
Previous Site Name:		**Y:**	45.309581
Lot/Building Size:			
Additional Info Ordered:			

---

12 | ***7 of 9*** | ***SSE/87.0*** | ***99.9 / 2.31*** | ***4836 Bank Street Ottawa Ontario Gloucester ON K1X 1G6*** | ***EHS***

Order No:	20190205061	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	RSC Report (Urban)	**Client Prov/State:**	ON
Report Date:	08-FEB-19	**Search Radius (km):**	.3
Date Received:	05-FEB-19	**X:**	-75.588744
Previous Site Name:		**Y:**	45.309066
Lot/Building Size:			
Additional Info Ordered:			

---

12 | ***8 of 9*** | ***SSE/87.0*** | ***99.9 / 2.31*** | ***2668867 Ontario Inc. 4836 Bank St Ottawa Ottawa ON K1X 1G6*** | ***ECA***

Approval No:	7857-BQ3J3V	**MOE District:**	Ottawa
Approval Date:	2020-06-17	**City:**	
Status:	Approved	**Longitude:**	-75.58868
Record Type:	ECA	**Latitude:**	45.309
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	South Nation	**Geometry Y:**	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	2668867 Ontario Inc.		
Address:	4836 Bank St Ottawa		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/8150-BPSRKL-14.pdf		
PDF Site Location:			

---

12 | ***9 of 9*** | ***SSE/87.0*** | ***99.9 / 2.31*** | ***4836 BANK ST GLOUCESTER ON K1X 1G6*** | ***PES***

Detail Licence No:		**Operator Box:**	
Licence No:	L-232-2125813698	**Operator Class:**	

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

Status:	Active	**Operator No:**	
Approval Date:	2021-04-08	**Operator Type:**	
Report Source:	PEST-Limited Vendor	**Oper Area Code:**	
Licence Type:	Limited Vendor	**Oper Phone No:**	
Licence Type Code:		**Operator Ext:**	
Licence Class:		**Operator Lot:**	
Licence Control:		**Oper Concession:**	
Latitude:	45.30888889	**Operator Region:**	
Longitude:	-75.58861111	**Operator District:**	
Lot:		**Operator County:**	
Concession:		**Op Municipality:**	
Region:		**Post Office Box:**	
District:		**MOE District:**	Ottawa
County:		**SWP Area Name:**	South Nation
Trade Name:			

PDF URL: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2379662

13	1 of 3	NNE/102.7	91.9 / -5.64	**OTTAWA CAMPING TRAILERS LTD** **LOT 21 CON 5 HWY 31** **OTTAWA ON**	PRT

Location ID:	10991
Type:	retail
Expiry Date:	1995-04-30
Capacity (L):	1000
Licence #:	0032368001

13	2 of 3	NNE/102.7	91.9 / -5.64	**OTTAWA CAMPING TRAILERS LTD** **4815 BANK ST** **GLOUCESTER ON**	DTNK

Delisted Expired Fuel Safety Facilities

Instance No:	9620986	**Expired Date:**	
Status:	EXPIRED	**Max Hazard Rank:**	
Instance ID:	391206	**Facility Location:**	
Instance Type:	FS Facility	**Facility Type:**	
Instance Creation Dt:		**Fuel Type 2:**	
Instance Install Dt:		**Fuel Type 3:**	
Item Description:		**Panam Related:**	
Manufacturer:		**Panam Venue Nm:**	
Model:		**External Identifier:**	
Serial No:		**Item:**	
ULC Standard:		**Piping Steel:**	
Quantity:		**Piping Galvanized:**	
Unit of Measure:		**Tank Single Wall St:**	
Overfill Prot Type:		**Piping Underground:**	
Creation Date:		**Tank Underground:**	
Next Periodic Str DT:		**Source:**	
TSSA Base Sched Cycle 2:			
TSSAMax Hazard Rank 1:			
TSSA Risk Based Periodic Yn:			
TSSA Volume of Directives:			
TSSA Periodic Exempt:			
TSSA Statutory Interval:			
TSSA Recd Insp Interva:			
TSSA Recd Tolerance:			
TSSA Program Area:			
TSSA Program Area 2:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Description:		FS Propane Refill Cntr - Cylr Fill			
Original Source:		EXP			
Record Date:		Up to Mar 2012			

13	3 of 3	NNE/102.7	91.9 / -5.64	OTTAWA CAMPING TRAILERS LTD 4815 BANK ST GLOUCESTER ON	DTNK

Delisted Expired Fuel Safety Facilities

Instance No:	10904224	**Expired Date:**	
Status:	EXPIRED	**Max Hazard Rank:**	
Instance ID:	52443	**Facility Location:**	
Instance Type:	FS Propane Tank	**Facility Type:**	
Instance Creation Dt:		**Fuel Type 2:**	
Instance Install Dt:		**Fuel Type 3:**	
Item Description:		**Panam Related:**	
Manufacturer:		**Panam Venue Nm:**	
Model:		**External Identifier:**	
Serial No:		**Item:**	
ULC Standard:		**Piping Steel:**	
Quantity:		**Piping Galvanized:**	
Unit of Measure:		**Tank Single Wall St:**	
Overfill Prot Type:		**Piping Underground:**	
Creation Date:		**Tank Underground:**	
Next Periodic Str DT:		**Source:**	
TSSA Base Sched Cycle 2:			
TSSAMax Hazard Rank 1:			
TSSA Risk Based Periodic Yn:			
TSSA Volume of Directives:			
TSSA Periodic Exempt:			
TSSA Statutory Interval:			
TSSA Recd Insp Interva:			
TSSA Recd Tolerance:			
TSSA Program Area:			
TSSA Program Area 2:			
Description:	FS Propane Tank		
Original Source:	EXP		
Record Date:	Up to Mar 2012		

14	1 of 1	SSE/106.9	99.6 / 2.00	lot 22 con 4 ON	WWIS

Well ID:	1513436	**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:**	09/28/1973
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	2557
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	022
Depth to Bedrock:		**Concession:**	04
Well Depth:		**Concession Name:**	RF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

Municipality: GLOUCESTER TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513436.pdf

Additional Detail(s) (Map)

Well Completed Date: 08/16/1973
Year Completed: 1973
Depth (m): 15.24
Latitude: 45.3089221413098
Longitude: -75.5883268374131
X: -75.58832667520062
Y: 45.30892213360594
Path: 151\1513436.pdf

Bore Hole Information

Bore Hole ID:	10035422	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	453880.70
Code OB Desc:		***North83:***	5017437.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	6
Date Completed:	08/16/1973	***UTMRC Desc:***	margin of error : 300 m - 1 km
Remarks:		***Location Method:***	p6

Location Method Desc: Original Pre1985 UTM Rel Code 6: margin of error : 300 m - 1 km
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931023367
Layer: 2
Color: 6
General Color: BROWN
Material 1: 02
Material 1 Desc: TOPSOIL
Material 2: 13
Material 2 Desc: BOULDERS
Material 3:
Material 3 Desc:
Formation Top Depth: 4.0
Formation End Depth: 12.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931023366
Layer: 1
Color: 6
General Color: BROWN
Material 1: 02
Material 1 Desc: TOPSOIL
Material 2:

Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 4.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931023368
Layer: 3
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 05
Material 2 Desc: CLAY
Material 3:
Material 3 Desc:
Formation Top Depth: 12.0
Formation End Depth: 16.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931023369
Layer: 4
Color: 1
General Color: WHITE
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 16.0
Formation End Depth: 50.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961513436
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10583992
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930062713
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 Test ID: 991513436
Pump Set At:
Static Level: 14.0
Final Level After Pumping: 25.0
Recommended Pump Depth: 30.0
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:
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934379071
Test Type: Draw Down
Test Duration: 30
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934897540
Test Type: Draw Down
Test Duration: 60
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934099259
Test Type: Draw Down
Test Duration: 15
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934639647
Test Type: Draw Down
Test Duration: 45
Test Level: 30.0
Test Level UOM: ft

Water Details

Water ID: 933468985

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

Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 48.0
Water Found Depth UOM: ft

---

15 | ***1 of 2*** | ***E/109.4*** | ***93.9 / -3.69*** | ***Heart and Stroke Foundation***
Hindu Temple 4835 Bank Street, Gloucester
Ottawa ON K1X 1G6 | ***GEN***

Generator No: ON3001940
SIC Code: 621494
SIC Description: 621494
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: 312
Waste Class Name: PATHOLOGICAL WASTES

---

15 | ***2 of 2*** | ***E/109.4*** | ***93.9 / -3.69*** | ***4835 Bank Street***
Ottawa ON | ***EHS***

Order No: 20170417001
Status: C
Report Type: Standard Select Report
Report Date: 21-APR-17
Date Received: 17-APR-17
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans; Title Searches; Topographic Maps; City Directory
Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.586149
Y: 45.310423

---

16 | ***1 of 1*** | ***NE/139.9*** | ***91.9 / -5.64*** | ***lot 21 con 5***
ON | ***WWIS***

Well ID: 1509925
Construction Date:
Use 1st: Commerical
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 01/14/1969
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1301
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 021
Concession: 05
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509925.pdf

Additional Detail(s) (Map)

Well Completed Date: 12/06/1968
Year Completed: 1968
Depth (m): 19.2024
Latitude: 45.3127501767022
Longitude: -75.5878561444372
X: -75.58785598208058
Y: 45.31275017003343
Path: 150\1509925.pdf

Bore Hole Information

Bore Hole ID:	10031957	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	453920.70
Code OB Desc:		***North83:***	5017862.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	12/06/1968	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4

Location 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: 931013408
Layer: 1
Color:
General Color:
Material 1: 13
Material 1 Desc: BOULDERS
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 13.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931013409
Layer: 2
Color:
General Color:
Material 1: 18
Material 1 Desc: SANDSTONE
Material 2:
Material 2 Desc:

Material 3:
Material 3 Desc:
Formation Top Depth: 13.0
Formation End Depth: 63.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961509925
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10580527
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930056542
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 15.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930056543
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 63.0
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: 991509925
Pump Set At:
Static Level: 2.0
Final Level After Pumping: 5.0
Recommended Pump Depth: 25.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 10.0
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: 933464832
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 60.0
Water Found Depth UOM: ft

---

17 | **1 of 1** | **NE/140.1** | **91.9 / -5.64** | **ON** | **BORE**

Borehole ID: 614690
OGF ID: 215515633
Status:
Type: Borehole
Use:
Completion Date: DEC-1968
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 19.2
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 93.9
Elev Reliabil Note:
DEM Ground Elev m: 94.3
Concession:
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:
Latitude DD: 45.312752
Longitude DD: -75.587856
UTM Zone: 18
Easting: 453921
Northing: 5017862
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218399056
Top Depth: 4
Bottom Depth: 19.2
Material Color: Grey
Material 1: Sandstone
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: SANDSTONE. 00060MESTONE. GREY. 00050CK. 0003500070GREY,SOFT TO STIFF. SILT. GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 218399055
Top Depth: 0
Bottom Depth: 4
Material Color:
Material 1: Boulders
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: BOULDERS.

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

Source

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

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence:
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA2.txt RecordID: 07198 NTS_Sheet:
Confiden 1:
Source Appl: Spatial/Tabular
Source Iden: 1
Scale or Res: Varies
Horizontal: NAD27
Verticalda: Mean Average Sea Level

Source List

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

---

18 | **1 of 1** | **NNW/153.3** | **91.9 / -5.69** | **IMPERIAL NURSERY**
4810 BANK STREET SOUTH
GLOUCESTER ON K1G 3N3 | **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:
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:

---

19 | **1 of 1** | **NNW/153.6** | **91.9 / -5.69** | **IMPERIAL NURSERY**
4810 BANK STREET SOUTH
GLOUCESTER ON K1G3N4 | **PES**

Detail Licence No:
Licence No: 10220
Status:
Approval Date:
Report Source: Legacy Licenses (Excluding TS)
Licence Type: Retail Vendor Class 03
Licence Type Code: 21
Licence Class: 03
Licence Control:
Latitude:
Longitude:
Lot:
Concession:
Region:
District:
County:
Operator Box:
Operator Class:
Operator No:
Operator Type:
Oper Area Code: 613
Oper Phone No: 8228888
Operator Ext:
Operator Lot:
Oper Concession:
Operator Region:
Operator District:
Operator County:
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

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

Trade Name:
PDF URL:

---

20 | ***1 of 5*** | ***SSE/173.1*** | ***99.9 / 2.31*** | ***4840 Bank St. Ltd.***
4840 Bank Street Canada
ON | ***PTTW***

EBR Registry No: 013-4537
Ministry Ref No: 0136-B8BQMY
Notice Type: Instrument
Notice Stage: Decision
Notice Date:
Proposal Date: March 7, 2019
Year: 2019
Instrument Type: Permit to take water
Off Instrument Name: Permit to Take Water (OWRA s. 34)
Posted By: Ministry of the Environment, Conservation and Parks
Company Name:
Site Address: 4840 Bank Street Canada
Location Other:
Proponent Name: 4840 Bank St. Ltd.
Proponent Address: 4840 Bank St. Ltd. 1737 Woodward Drive Ottawa, ON K2C 0P9 Canada
Comment Period: March 7, 2019 - April 6, 2019 (30 days) Closed
URL: https://ero.ontario.ca/notice/013-4537

Decision Posted: March 16, 2021
Exception Posted:
Section: Section 34
Act 1: Ontario Water Resources Act, R.S.O. 1990
Act 2: Ontario Water Resources Act
Site Location Map: 45.306219,-75.594448

Site Location Details:

Lot 22, Concession 4 From Rideau River Original Geographic Township of Gloucester, City of Ottawa.

---

20 | ***2 of 5*** | ***SSE/173.1*** | ***99.9 / 2.31*** | ***Leitrim South Holdings Inc.***
4800 Bank St 4840 Bank Street
Ottawa ON K2C 0P9 | ***ECA***

Approval No: 3064-BBZL6Z
Approval Date: 2019-06-02
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Leitrim South Holdings Inc.
Address: 4800 Bank St 4840 Bank Street
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3701-B4HPDU-14.pdf
PDF Site Location:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

---

20 | ***3 of 5*** | ***SSE/173.1*** | ***99.9 / 2.31*** | ***Pathways South Regional Inc.***
4840 Bank St Part of Lot 22, Concession 4 (Rideau Front)
Ottawa ON K2C 0P9 | ***ECA***

Approval No: 4745-BPXRBQ
Approval Date: 2020-06-04
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

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

Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Pathways South Regional Inc.
Address: 4840 Bank St Part of Lot 22, Concession 4 (Rideau Front)
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7645-BPLPZ5-14.pdf
PDF Site Location:

---

20 | **4 of 5** | **SSE/173.1** | **99.9 / 2.31** | **Pathways South Regional Inc.**
4840 Bank St
Ottawa ON K2C 0P9 | **ECA**

Approval No: 7255-C86PLK
Approval Date: 2021-11-07
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: South Nation
MOE District: Ottawa
City:
Longitude:
Latitude:
Geometry X: -8414227.3137999997
Geometry Y: 5670065.1547999969
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Pathways South Regional Inc.
Address: 4840 Bank St
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8263-C7WKGX-14.pdf
PDF Site Location: Pathways South Block 203
4840 Bank Street
City of Ottawa, Ontario

---

20 | **5 of 5** | **SSE/173.1** | **99.9 / 2.31** | **4840 Bank St/Pathways Block 204**
Ottawa ON | **EHS**

Order No: 22051301402
Status: C
Report Type: Standard Report
Report Date: 18-MAY-22
Date Received: 13-MAY-22
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:
Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.5881128
Y: 45.3083294

---

21 | **1 of 1** | **WNW/193.4** | **95.0 / -2.61** | **4800 Bank Street**
Gloucester ON K1X 1G6 | **EHS**

Order No: 20181109043
Status: C
Report Type: Custom Report
Report Date: 04-DEC-18
Date Received: 09-NOV-18
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:
Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.593091
Y: 45.311703

---

22 | **1 of 1** | **NNE/195.7** | **90.9 / -6.69** | **lot 21 con 5**
ON | **WWIS**

Well ID: 1517349
Construction Date:
Use 1st: Commerical
Use 2nd: 0
Final Well Status: Water Supply
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 09/02/1980

Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1517
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	021
Depth to Bedrock:		**Concession:**	05
Well Depth:		**Concession Name:**	RF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GLOUCESTER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517349.pdf

Additional Detail(s) (Map)

Well Completed Date:	06/09/1980
Year Completed:	1980
Depth (m):	8.2296
Latitude:	45.3132818240548
Longitude:	-75.5877468224726
X:	-75.58774666069532
Y:	45.3132818170977
Path:	151\1517349.pdf

Bore Hole Information

Bore Hole ID:	10039224	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	453929.70
Code OB Desc:		**North83:**	5017921.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	06/09/1980	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Location 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:	931034888
Layer:	2
Color:	6
General Color:	BROWN
Material 1:	21
Material 1 Desc:	GRANITE
Material 2:	12
Material 2 Desc:	STONES
Material 3:	73
Material 3 Desc:	HARD
Formation Top Depth:	8.0
Formation End Depth:	27.0

Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931034887
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	02
Material 1 Desc:	TOPSOIL
Material 2:	12
Material 2 Desc:	STONES
Material 3:	81
Material 3 Desc:	SANDY
Formation Top Depth:	0.0
Formation End Depth:	8.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961517349
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10587794
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930068672
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	991517349
Pump Set At:	
Static Level:	5.0
Final Level After Pumping:	14.0
Recommended Pump Depth:	23.0
Pumping Rate:	15.0
Flowing Rate:	
Recommended Pump Rate:	7.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2

Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934383704
Test Type:	Draw Down
Test Duration:	30
Test Level:	12.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934102862
Test Type:	Draw Down
Test Duration:	15
Test Level:	12.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934644783
Test Type:	Draw Down
Test Duration:	45
Test Level:	14.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934894475
Test Type:	Draw Down
Test Duration:	60
Test Level:	14.0
Test Level UOM:	ft

Water Details

Water ID:	933473797
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	27.0
Water Found Depth UOM:	ft

---

23 | ***1 of 4*** | ***WNW/199.2*** | ***94.8 / -2.78*** | ***LEITRIM READY-MIX LTD***
BOX 204, RR #6 HWY. 31 & BLAINS ROAD
GLOUCESTER ON K1G 3N4 | ***GEN***

Generator No:	ON0376000
SIC Code:	3551
SIC Description:	READY-MIX CONCRETE
Approval Years:	86,87,88,89,90
PO Box No:	
Country:	
Status:	
Co Admin:	
Choice of Contact:	
Phone No Admin:	
Contaminated Facility:	
MHSW Facility:	

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

Detail(s)

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

---

23 | ***2 of 4*** | ***WNW/199.2*** | ***94.8 / -2.78*** | ***LEITRIM READY-MIX LTD 24-089***
BOX 204, RR #6 HWY. 31 & BLAINS ROAD
GLOUCESTER ON K1G 3N4 | ***GEN***

Generator No: ON0376000
SIC Code: 3551
SIC Description: READY-MIX CONCRETE
Approval Years: 92,93,94,95,96,97
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

---

23 | ***3 of 4*** | ***WNW/199.2*** | ***94.8 / -2.78*** | ***LEITRIM READY-MIX LTD.***
HIGHWAY 31 & BLAINS ROAD
GLOUCESTER ON K1G 3N4 | ***GEN***

Generator No: ON0376000
SIC Code: 3551
SIC Description: READY-MIX CONCRETE
Approval Years: 98
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

---

23 | ***4 of 4*** | ***WNW/199.2*** | ***94.8 / -2.78*** | ***Blais Rd. east of Bank St.***
Ottawa ON | ***SPL***

Ref No: 1261-96X28S
Year:
Incident Dt: 18-APR-13
Dt MOE Arvl on Scn:
MOE Reported Dt: 19-APR-13
Dt Document Closed:
Site No:
MOE Response: No Field Response

Municipality No:
Nature of Damage:
Discharger Report:
Material Group:
Impact to Health:
Agency Involved:

Site County/District:	
Site Geo Ref Meth:	
Site District Office:	
Nearest Watercourse:	
Site Name:	Lot 21, Conc. 5 <UNOFFICIAL>
Site Address:	Blais Rd. east of Bank St.
Site Region:	
Site Municipality:	Ottawa
Site Lot:	
Site Conc:	
Site Geo Ref Accu:	
Site Map Datum:	
Northing:	
Easting:	
Incident Cause:	Other
Incident Preceding Spill:	
Environment Impact:	Possible
Health Env Consequence:	
Nature of Impact:	Surface Water Pollution
Contaminant Qty:	0 L
Contaminant Qty 1:	0
Contaminant Unit:	L
Client Type:	
Source Type:	
Contaminant Code:	43
Contaminant Name:	SEDIMENT(SUSPENDED SOLIDS/ SAND/ SILT)
Contaminant Limit 1:	
Contam Limit Freq 1:	
Contaminant UN No 1:	
Receiving Medium:	
Incident Reason:	Operator/Human Error
Incident Summary:	Vacant lot - sediment to Finlay Creek.
Activity Preceding Spill:	
Property 2nd Watershed:	
Property Tertiary Watershed:	
Sector Type:	Other
SAC Action Class:	Watercourse Spills
Call Report Locatn Geodata:	
Time Reported:	
System Facility Address:	
Client Name:	

24	1 of 1	S/208.6	100.9 / 3.31	lot 22 con 4 ON	WWIS

Well ID:	1514664	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Industrial	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	05/22/1975
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	2558
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	022
Depth to Bedrock:		**Concession:**	04
Well Depth:		**Concession Name:**	RF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GLOUCESTER TOWNSHIP		

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1514664.pdf

Additional Detail(s) (Map)

Well Completed Date: 02/20/1975
Year Completed: 1975
Depth (m): 38.1
Latitude: 45.3077932733578
Longitude: -75.5890422728133
X: -75.58904211131697
Y: 45.30779326590524
Path: 151\1514664.pdf

Bore Hole Information

Bore Hole ID:	10036634	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	453823.70
Code OB Desc:		***North83:***	5017312.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	02/20/1975	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4

Location 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: 931026922
Layer: 2
Color: 8
General Color: BLACK
Material 1: 17
Material 1 Desc: SHALE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 13.0
Formation End Depth: 30.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931026921
Layer: 1
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2: 11
Material 2 Desc: GRAVEL

Material 3: 13
Material 3 Desc: BOULDERS
Formation Top Depth: 0.0
Formation End Depth: 13.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931026924
Layer: 4
Color: 1
General Color: WHITE
Material 1: 18
Material 1 Desc: SANDSTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 111.0
Formation End Depth: 125.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931026923
Layer: 3
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 30.0
Formation End Depth: 111.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961514664
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10585204
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930064752
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

Construction Record - Casing

Casing ID: 930064753
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 125.0
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: 991514664
Pump Set At:
Static Level: 20.0
Final Level After Pumping: 20.0
Recommended Pump Depth: 80.0
Pumping Rate: 12.0
Flowing Rate:
Recommended Pump Rate: 8.0
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: 15
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934901541
Test Type: Draw Down
Test Duration: 60
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934383084
Test Type: Draw Down
Test Duration: 30
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934100485
Test Type: Draw Down
Test Duration: 15
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934644071
Test Type:	Draw Down
Test Duration:	45
Test Level:	20.0
Test Level UOM:	ft

Water Details

Water ID:	933470590
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	32.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933470591
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	111.0
Water Found Depth UOM:	ft

---

25 ***1 of 1*** ***NNW/208.8*** ***91.2 / -6.39*** ***lot 21 con 4 ON*** ***WWIS***

Well ID:	1502175	***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:***	09/09/1957
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	1603
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	021
Depth to Bedrock:		***Concession:***	04
Well Depth:		***Concession Name:***	RF
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GLOUCESTER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502175.pdf

Additional Detail(s) (Map)

Well Completed Date:	08/15/1957
Year Completed:	1957
Depth (m):	18.288
Latitude:	45.3133690608069
Longitude:	-75.5900313402918
X:	-75.59003117810637
Y:	45.313369054139805
Path:	150\1502175.pdf

Bore Hole Information

Bore Hole ID:	10024218	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	453750.70
Code OB Desc:		***North83:***	5017932.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	08/15/1957	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5

Location 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: 930993831
Layer: 2
Color:
General Color:
Material 1: 18
Material 1 Desc: SANDSTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 20.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930993830
Layer: 1
Color:
General Color:
Material 1: 13
Material 1 Desc: BOULDERS
Material 2: 09
Material 2 Desc: MEDIUM SAND
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961502175
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID:	10572788
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930041220
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20.0
Casing Diameter:	2.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930041221
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	60.0
Casing Diameter:	2.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991502175
Pump Set At:	
Static Level:	10.0
Final Level After Pumping:	30.0
Recommended Pump Depth:	
Pumping Rate:	3.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	3
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933454918
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60.0
Water Found Depth UOM:	ft

26	***1 of 1***	***NNW/208.9***	***91.2 / -6.39***		***BORE***

Borehole ID:	614691	**Inclin FLG:**	No
OGF ID:	215515634	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	AUG-1957	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.31337
Total Depth m:	18.3	**Longitude DD:**	-75.590031
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	453751
Drill Method:		**Northing:**	5017932
Orig Ground Elev m:	93.3	**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:	218399057	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	6.1	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Boulders	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BOULDERS.		

Geology Stratum ID:	218399058	**Mat Consistency:**	Soft
Top Depth:	6.1	**Material Moisture:**	
Bottom Depth:	18.3	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Sandstone	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SANDSTONE. 00060MESTONE. GREY. 00050CK. 0003500070GREY,SOFT TO STIFF. SILT. GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 07199 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		

27 **1 of 1** **E/215.0** **93.8 / -3.74** **4835 Bank St Ottawa ON** **WWIS**

Well ID:	7344684	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Monitoring	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:		**Date Received:**	10/22/2019
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z286336	**Contractor:**	7543
Tag:	A247989	**Form Version:**	7
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:	GLOUCESTER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/734\7344684.pdf

Additional Detail(s) (Map)

Well Completed Date:	09/24/2019
Year Completed:	2019
Depth (m):	3.3018984
Latitude:	45.3110878128581
Longitude:	-75.5855388500522
X:	-75.58553868798295
Y:	45.311087806032546
Path:	734\7344684.pdf

Bore Hole Information

Bore Hole ID:	1007687257	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	454101.00
Code OB Desc:		**North83:**	5017676.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	09/24/2019	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Location 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:	1008085975
Layer:	1
Color:	2
General Color:	GREY
Material 1:	34
Material 1 Desc:	TILL
Material 2:	01
Material 2 Desc:	FILL
Material 3:	28
Material 3 Desc:	SAND
Formation Top Depth:	0.0
Formation End Depth:	10.833000183105469
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1008087416
Layer:	1
Plug From:	0.0
Plug To:	5.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1008087417
Layer:	2
Plug From:	5.0
Plug To:	10.833000183105469
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1008089008
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	1008084827
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1008089348
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	5.833000183105469
Casing Diameter:	2.066999912261963
Casing Diameter UOM:	Inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1008089992
Layer:	1
Slot:	3
Screen Top Depth:	5.833000183105469
Screen End Depth:	10.833000183105469
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.375

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1008090685
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	

Water Details

Water ID:	1008090132
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	8.0
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1008088027
Diameter:	8.0
Depth From:	0.0
Depth To:	10.833000183105469
Hole Depth UOM:	ft
Hole Diameter UOM:	Inch

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
28	1 of 1	E/227.6	94.8 / -2.77	lot 22 con 5 ON	WWIS

Well ID:	1516052	***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:***	08/08/1977
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	1558
Tag:		***Form Version:***	1

Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	022
Depth to Bedrock:		***Concession:***	05
Well Depth:		***Concession Name:***	RF
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GLOUCESTER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1516052.pdf

Additional Detail(s) (Map)

Well Completed Date:	07/13/1977
Year Completed:	1977
Depth (m):	54.2544
Latitude:	45.310594636141
Longitude:	-75.5851676456175
X:	-75.58516748450904
Y:	45.31059462912904
Path:	151\1516052.pdf

Bore Hole Information

Bore Hole ID:	10037989	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	454129.70
Code OB Desc:		***North83:***	5017621.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	07/13/1977	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4
Location 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:	931031015
Layer:	4
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	78
Material 2 Desc:	MEDIUM-GRAINED
Material 3:	
Material 3 Desc:	
Formation Top Depth:	26.0
Formation End Depth:	43.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931031014
Layer:	3
Color:	2
General Color:	GREY
Material 1:	14
Material 1 Desc:	HARDPAN
Material 2:	13
Material 2 Desc:	BOULDERS
Material 3:	79
Material 3 Desc:	PACKED
Formation Top Depth:	9.0
Formation End Depth:	26.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931031016
Layer:	5
Color:	2
General Color:	GREY
Material 1:	18
Material 1 Desc:	SANDSTONE
Material 2:	73
Material 2 Desc:	HARD
Material 3:	
Material 3 Desc:	
Formation Top Depth:	43.0
Formation End Depth:	178.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931031013
Layer:	2
Color:	8
General Color:	BLACK
Material 1:	03
Material 1 Desc:	MUCK
Material 2:	85
Material 2 Desc:	SOFT
Material 3:	
Material 3 Desc:	
Formation Top Depth:	7.0
Formation End Depth:	9.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931031012
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	28
Material 1 Desc:	SAND
Material 2:	05
Material 2 Desc:	CLAY
Material 3:	13
Material 3 Desc:	BOULDERS

Formation Top Depth: 0.0
Formation End Depth: 7.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961516052
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10586559
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930066896
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 178.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930066895
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 28.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991516052
Pump Set At:
Static Level: 30.0
Final Level After Pumping: 65.0
Recommended Pump Depth: 75.0
Pumping Rate: 15.0
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: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID:	934640310
Test Type:	Draw Down
Test Duration:	45
Test Level:	65.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934898212
Test Type:	Draw Down
Test Duration:	60
Test Level:	65.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934101597
Test Type:	Draw Down
Test Duration:	15
Test Level:	65.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934379209
Test Type:	Draw Down
Test Duration:	30
Test Level:	65.0
Test Level UOM:	ft

Water Details

Water ID:	933472277
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	175.0
Water Found Depth UOM:	ft

29 ***1 of 1*** ***NNE/228.5*** ***89.6 / -8.00*** ***lot 21 con 5 ON*** ***WWIS***

Well ID:	1502246	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Livestock	***Data Entry Status:***	
Use 2nd:	Domestic	***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	12/06/1951
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	3504
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	021
Depth to Bedrock:		***Concession:***	05
Well Depth:		***Concession Name:***	RF
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	

Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GLOUCESTER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502246.pdf

Additional Detail(s) (Map)

Well Completed Date:	11/24/1950
Year Completed:	1950
Depth (m):	24.384
Latitude:	45.3137369970891
Longitude:	-75.5885042327119
X:	-75.5885040713446
Y:	45.31373698993225
Path:	150\1502246.pdf

Bore Hole Information

Bore Hole ID:	10024289	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	453870.70
Code OB Desc:		**North83:**	5017972.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	11/24/1950	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Location 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:	930994024
Layer:	2
Color:	
General Color:	
Material 1:	18
Material 1 Desc:	SANDSTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	5.0
Formation End Depth:	80.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930994023
Layer:	1
Color:	
General Color:	
Material 1:	13

Material 1 Desc:	BOULDERS
Material 2:	05
Material 2 Desc:	CLAY
Material 3:	09
Material 3 Desc:	MEDIUM SAND
Formation Top Depth:	0.0
Formation End Depth:	5.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961502246
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10572859
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930041359
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	80.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930041358
Layer:	1
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	5.0
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:	991502246
Pump Set At:	
Static Level:	5.0
Final Level After Pumping:	20.0
Recommended Pump Depth:	
Pumping Rate:	8.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1

Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933455001
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	30.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933455003
Layer:	3
Kind Code:	1
Kind:	FRESH
Water Found Depth:	79.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933455002
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60.0
Water Found Depth UOM:	ft

---

30 ***1 of 1*** ***NNE/228.6*** ***89.6 / -8.00*** ***ON*** ***BORE***

Borehole ID:	614692	***Inclin FLG:***	No
OGF ID:	215515635	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	NOV-1950	***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.313738
Total Depth m:	24.4	***Longitude DD:***	-75.588504
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	453871
Drill Method:		***Northing:***	5017972
Orig Ground Elev m:	93	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	93.1		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218399060	***Mat Consistency:***	Soft
Top Depth:	1.5	***Material Moisture:***	
Bottom Depth:	24.4	***Material Texture:***	

Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Sandstone	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SANDSTONE. 00030MESTONE. GREY. 00050CK. 0003500070GREY,SOFT TO STIFF. SILT. GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218399059	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	1.5	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Boulders	**Geologic Formation:**	
Material 2:	Clay	**Geologic Group:**	
Material 3:	Sand	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BOULDERS.		

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: OTTAWA2.txt RecordID: 07200 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		

---

31 | ***1 of 1*** | ***WNW/247.2*** | ***94.2 / -3.41*** | ***820 Miikana Road Ottawa ON K1X 0G5*** | ***EHS***

Order No:	22030400574	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	09-MAR-22	**Search Radius (km):**	.25
Date Received:	04-MAR-22	**X:**	-75.5937205
Previous Site Name:		**Y:**	45.3119027
Lot/Building Size:	2.55 ha		
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Topographic Maps; City Directory; Aerial Photos		

---

32 | ***1 of 1*** | ***SE/248.3*** | ***97.2 / -0.35*** | ***lot 22 con 4 ON*** | ***WWIS***

Well ID:	1502180	**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:**	08/15/1961
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	

Audit No:		**Contractor:**	3601
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	022
Depth to Bedrock:		**Concession:**	04
Well Depth:		**Concession Name:**	RF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

Municipality: GLOUCESTER TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502180.pdf

Additional Detail(s) (Map)

Well Completed Date: 06/29/1961
Year Completed: 1961
Depth (m): 16.764
Latitude: 45.3080749241784
Longitude: -75.5867872995043
X: -75.58678713855646
Y: 45.308074916565175
Path: 150\1502180.pdf

Bore Hole Information

Bore Hole ID:	10024223	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	454000.70
Code OB Desc:		**North83:**	5017342.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	06/29/1961	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5

Location 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: 930993842
Layer: 1
Color:
General Color:
Material 1: 02
Material 1 Desc: TOPSOIL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 6.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	930993843
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	6.0
Formation End Depth:	55.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961502180
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10572793
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930041230
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	10.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930041231
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	55.0
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:	991502180
Pump Set At:	

Static Level:	6.0
Final Level After Pumping:	8.0
Recommended Pump Depth:	
Pumping Rate:	4.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933454923
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	55.0
Water Found Depth UOM:	ft

Unplottable Summary

Total: 18 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	OSSORY CANADA INC.	PRIVATE BLDG. BANK ST.	OTTAWA CITY ON	
CA	CITY	BANK ST.	GLOUCESTER CITY ON	
CA	THE DOUGLAS MACDONALD DEV. CORP.	COMMERCIAL PLAZA BANK STREET	OTTAWA CITY ON	
CA	MACDONALD DEVELOPMENT CORP.	BANK ST.	OTTAWA CITY ON	
CA	MACDONALD DEVELOPMENT CORP.-PLAZA	EASEMENT-BANK STREET	OTTAWA CITY ON	
CONV	Taggart Construction Limited	Bank Street	South Ottawa ON	
DTNK	UNITED CO-OPERATIVES OF ONTARIO OTTAWA BRANCH	LOT 22 CON 4 HWY 31	GLOUCESTER TWP ON	
ECA	City of Ottawa	Bank St	Ottawa ON	K2H 5E3
EHS		Bank St	Ottawa ON	
EHS		Bank St	Ottawa ON	
GEN	Hydro Ottawa Ltd.	Bank St	Ottawa ON	
LIMO		Lot 22 Concession 5 Ottawa	ON	
PRT	UNITED CO-OPERATIVES OF ONTARIO OTTAWA BRANCH	LOT 22 CON 4 HWY 31	GLOUCESTER TWP ON	
PTTW	Findlay Creek Properties Ltd. and 1374537 Ontario Ltd.	Lots 19, 20, Concession 4 and Lot 20, Concession 5, Ottawa	ON	
PTTW	Lafarge Paving and Construction (Eastern) Limited	Lot 22 & 23 , Concession V Ottawa Ontario K2R 1H3 Ottawa	ON	
SPL	ONTARIO HYDRO	BANK ST TRANSFORMER	GLOUCESTER CITY ON	
SPL	Donwel Land Inc.	Cedar Creek Rd at Philman Marsh area, Findlay Creek Subdivision	Ottawa ON	

WWIS	lot 22 con 4	ON

Unplottable Report

Site: ***OSSORY CANADA INC.***
PRIVATE BLDG. BANK ST. OTTAWA CITY ON

Database: ***CA***

Certificate #: 3-0515-87-
Application Year: 87
Issue Date: 4/23/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***CITY***
BANK ST. GLOUCESTER CITY ON

Database: ***CA***

Certificate #: 3-0859-85-006
Application Year: 85
Issue Date: 8/1/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***THE DOUGLAS MACDONALD DEV. CORP.***
COMMERCIAL PLAZA BANK STREET OTTAWA CITY ON

Database: ***CA***

Certificate #: 7-1304-86-
Application Year: 86
Issue Date: 10/28/1986
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***MACDONALD DEVELOPMENT CORP.***
BANK ST. OTTAWA CITY ON

Database: ***CA***

Certificate #: 3-1072-88-

Application Year: 88
Issue Date: 9/28/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***MACDONALD DEVELOPMENT CORP.-PLAZA EASEMENT-BANK STREET OTTAWA CITY ON***

Database: ***CA***

Certificate #: 3-1864-86-
Application Year: 86
Issue Date: 12/19/1986
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Taggart Construction Limited Bank Street South Ottawa ON***

Database: ***CONV***

File No: 010503
Crown Brief No:
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:
Location:
Region:
Ministry District:

Description: On December 3, 2009, Taggart Construction Limited pleaded guilty to one violation under the Ontario Water Resources Act for failing to comply with a Provincial Officer Order to submit weekly water taking records showing daily water taking volumes. The company was contracted to install municipal services for the Findlay Creek Subdivision located on Bank Street in South Ottawa. A ministry inspection of the construction site in the fall of 2007 revealed concerns with water taking activities and a Provincial Officer Order was issued. One of the requirements of the Order, related to keeping accurate water taking records and submitting them to the ministry, was not complied with. The company was charged following an investigation by the ministry's Investigations and Enforcement Branch and was fined $5,000 plus victim fine surcharge. The company was given 30 days to pay the fine.

Background:
URL:

Additional Details

Publication Date:
Count: 1
Act: Provincial Officer Order
Regulation:
Section:
Act/Regulation/Section: Provincial Officer Order

Date of Offence:
Date of Conviction:
Date Charged: December 3, 2009
Charge Disposition: fine, victim fine surcharge
Fine: $5,000
Synopsis:

Site: ***UNITED CO-OPERATIVES OF ONTARIO OTTAWA BRANCH***
LOT 22 CON 4 HWY 31 GLOUCESTER TWP ON

Database: ***DTNK***

Delisted Expired Fuel Safety Facilities

Instance No: 9476018
Status: EXPIRED
Instance ID: 383123
Instance Type: FS Facility
Instance Creation Dt:
Instance Install Dt:
Item Description:
Manufacturer:
Model:
Serial No:
ULC Standard:
Quantity:
Unit of Measure:
Overfill Prot Type:
Creation Date:
Next Periodic Str DT:
TSSA Base Sched Cycle 2:
TSSAMax Hazard Rank 1:
TSSA Risk Based Periodic Yn:
TSSA Volume of Directives:
TSSA Periodic Exempt:
TSSA Statutory Interval:
TSSA Recd Insp Interva:
TSSA Recd Tolerance:
TSSA Program Area:
TSSA Program Area 2:
Description: FS Gasoline Station - Full Serve
Original Source: EXP
Record Date: Up to Mar 2012

Expired Date:
Max Hazard Rank:
Facility Location:
Facility Type:
Fuel Type 2:
Fuel Type 3:
Panam Related:
Panam Venue Nm:
External Identifier:
Item:
Piping Steel:
Piping Galvanized:
Tank Single Wall St:
Piping Underground:
Tank Underground:
Source:

Site: ***City of Ottawa***
Bank St Ottawa ON K2H 5E3

Database: ***ECA***

Approval No: 0699-D49N2H
Approval Date: April 18, 2024
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: South Nation
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: City of Ottawa
Address: Bank St
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2206-D3QL9H-14.pdf
PDF Site Location: Bank Street
City of Ottawa, Ontario

MOE District: Ottawa
City:
Longitude:
Latitude:
Geometry X: -8415176.869
Geometry Y: 5672372.244

Site:
Bank St Ottawa ON

Database: ***EHS***

Order No:	20060427021	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Custom Report	***Client Prov/State:***	ON
Report Date:	5/5/2006	***Search Radius (km):***	0.25
Date Received:	4/26/2006	***X:***	-75.670288
Previous Site Name:		***Y:***	45.364953
Lot/Building Size:			
Additional Info Ordered:			

Site: ***Database:*** ***EHS***

Bank St Ottawa ON

Order No:	20031121005	***Nearest Intersection:***	See Faxed Map
Status:	C	***Municipality:***	
Report Type:	Basic Report	***Client Prov/State:***	ON
Report Date:	11/25/03	***Search Radius (km):***	0.50
Date Received:	11/21/03	***X:***	-75.654252
Previous Site Name:		***Y:***	45.363635
Lot/Building Size:			
Additional Info Ordered:			

Site: ***Hydro Ottawa Ltd.*** ***Database:*** ***GEN***

Bank St Ottawa ON

Generator No:	ON8798860
SIC Code:	
SIC Description:	
Approval Years:	03,04
PO Box No:	
Country:	
Status:	
Co Admin:	
Choice of Contact:	
Phone No Admin:	
Contaminated Facility:	
MHSW Facility:	

Site: ***Database:*** ***LIMO***

Lot 22 Concession 5 Ottawa ON

ECA/Instrument No:	X9020	***Natural Attenuation:***	
Operation Status:	Historic	***Liners:***	
C of A Issue Date:		***Cover Material:***	
C of A Issued to:		***Leachate Off-Site:***	
Lndfl Gas Mgmt (P):		***Leachate On Site:***	
Lndfl Gas Mgmt (F):		***Req Coll Lndfll Gas:***	
Lndfl Gas Mgmt (E):		***Lndfll Gas Coll:***	
Lndfl Gas Mgmt Sys:		***Total Waste Rec:***	
Landfill Gas Mntr:		***TWR Methodology:***	
Leachate Coll Sys:		***TWR Unit:***	
ERC Est Vol (m3):		***Tot Aprv Cap Unit:***	
ERC Volume Unit:		***Financial Assurance:***	
ERC Dt Last Det:		***Last Report Year:***	
Landfill Type:		***Region:***	
Source File Type:	Historic and Closed Landfills	***District Office:***	
Fill Rate:		***Site County:***	
Fill Rate Unit:		***Lot:***	
Tot Fill Area (ha):		***Concession:***	
Tot Site Area (ha):		***Latitude:***	
Footprint:		***Longitude:***	
Tot Apprv Cap (m3):		***Easting:***	
Contam Atten Zone:		***Northing:***	
Grndwtr Mntr:		***UTM Zone:***	
Surf Wtr Mntr:		***Data Source:***	
Air Emis Monitor:			

Approved Waste Type:
Client Site Name:
ERC Methodology:
Site Name:
Site Location Details: Lot 22 Concession 5
Ottawa
Service Area:
Page URL:

Site: ***UNITED CO-OPERATIVES OF ONTARIO OTTAWA BRANCH***
LOT 22 CON 4 HWY 31 GLOUCESTER TWP ON

Database: ***PRT***

Location ID: 5323
Type: retail
Expiry Date: 1992-02-28
Capacity (L): 0
Licence #: 0013081001

Site: ***Findlay Creek Properties Ltd. and 1374537 Ontario Ltd.***
Lots 19, 20, Concession 4 and Lot 20, Concession 5, Ottawa ON

Database: ***PTTW***

EBR Registry No: IA06E1038
Ministry Ref No: 6114-6SQHA7
Notice Type: Instrument Final Decision
Notice Stage:
Notice Date: November 30, 2006
Proposal Date: August 17, 2006
Year: 2006
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Findlay Creek Properties Ltd. and 1374537 Ontario Ltd.
Site Address:
Location Other:
Proponent Name:
Proponent Address:
Comment Period:
URL:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

Lots 19, 20, Concession 4 and Lot 20, Concession 5, Ottawa

Site: ***Lafarge Paving and Construction (Eastern) Limited***
Lot 22 & 23 , Concession V Ottawa Ontario K2R 1H3 Ottawa ON

Database: ***PTTW***

EBR Registry No: IA06E0381
Ministry Ref No: 2633-6NDMGY
Notice Type: Instrument Decision
Notice Stage:
Notice Date: June 16, 2006
Proposal Date: April 19, 2006
Year: 2006
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Lafarge Paving and Construction (Eastern) Limited
Site Address:
Location Other:
Proponent Name:
Proponent Address: 7880 Keele Street, Concord Ontario, L4K 4G7
Comment Period:
URL:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

Lot 22 & 23 , Concession V Ottawa Ontario K2R 1H3 Ottawa

Site: ***ONTARIO HYDRO***
BANK ST TRANSFORMER GLOUCESTER CITY ON

Database: ***SPL***

Ref No:	19785	***Municipality No:***	20105
Year:		***Nature of Damage:***	
Incident Dt:	7/9/1988	***Discharger Report:***	
Dt MOE Arvl on Scn:		***Material Group:***	
MOE Reported Dt:	7/11/1988	***Impact to Health:***	
Dt Document Closed:		***Agency Involved:***	

Site No:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name:
Site Address:
Site Region:
Site Municipality: GLOUCESTER CITY
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Incident Cause: COOLING SYSTEM LEAK
Incident Preceding Spill:
Environment Impact: NOT ANTICIPATED
Health Env Consequence:
Nature of Impact:
Contaminant Qty:
Contaminant Qty 1:
Contaminant Unit:
Client Type:
Source Type:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
Incident Reason: OTHER
Incident Summary: BACKENTRY - ONTARIO HYDROTRANSFORMER OIL (AMT U/K)ON GROUND
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:
Time Reported:
System Facility Address:
Client Name:

Site: ***Donwel Land Inc.***
Cedar Creek Rd at Philman Marsh area, Findlay Creek Subdivision Ottawa ON

Database: ***SPL***

Ref No:	7661-7JSKUE	***Municipality No:***	
Year:		***Nature of Damage:***	
Incident Dt:		***Discharger Report:***	
Dt MOE Arvl on Scn:		***Material Group:***	

MOE Reported Dt:	9/24/2008	***Impact to Health:***	
Dt Document Closed:	11/13/2008	***Agency Involved:***	
Site No:			
MOE Response:	Planned Field Response		
Site County/District:			
Site Geo Ref Meth:			
Site District Office:	Ottawa		
Nearest Watercourse:			
Site Name:	Findlay Creek<UNOFFICIAL>		
Site Address:			
Site Region:			
Site Municipality:	Ottawa		
Site Lot:			
Site Conc:			
Site Geo Ref Accu:			
Site Map Datum:			
Northing:			
Easting:			
Incident Cause:	Other Discharges		
Incident Preceding Spill:			
Environment Impact:	Confirmed		
Health Env Consequence:			
Nature of Impact:	Surface Water Pollution		
Contaminant Qty:	1000 L		
Contaminant Qty 1:	1000		
Contaminant Unit:	L		
Client Type:			
Source Type:			
Contaminant Code:	99		
Contaminant Name:	WATER (HIGH CHLORINE)		
Contaminant Limit 1:			
Contam Limit Freq 1:			
Contaminant UN No 1:			
Receiving Medium:			
Incident Reason:	Error- Operator error		
Incident Summary:	Donwell Land, Clorinated water to Findlay Creek.		
Activity Preceding Spill:			
Property 2nd Watershed:			
Property Tertiary Watershed:			
Sector Type:	Tank Truck		
SAC Action Class:	Watercourse Spills		
Call Report Locatn Geodata:			
Time Reported:			
System Facility Address:			
Client Name:	Donwel Land Inc.		

Site: ***Database:***
WWIS

lot 22 con 4 ON

Well ID:	1533862	***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:***	07/16/2003
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	248351	***Contractor:***	1119
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	022
Depth to Bedrock:		***Concession:***	04
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	

Municipality: GLOUCESTER TOWNSHIP
Site Info:

Bore Hole Information

Bore Hole ID: 10542977
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/19/2003
Remarks:
Location 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: 932924441
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 15.0
Formation End Depth: 48.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932924442
Layer: 3
Color: 2
General Color: GREY
Material 1: 18
Material 1 Desc: SANDSTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 48.0
Formation End Depth: 160.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932924440
Layer: 1
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY

Material 2: 81
Material 2 Desc: SANDY
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 15.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933240762
Layer: 1
Plug From: 0.0
Plug To: 22.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961533862
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 11091547
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930097754
Layer: 2
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: 930097755
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To:
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930097753
Layer: 1
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To:

Casing Diameter: 8.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991533862
Pump Set At:
Static Level: 58.0
Final Level After Pumping: 150.0
Recommended Pump Depth: 150.0
Pumping Rate: 8.0
Flowing Rate:
Recommended Pump Rate: 8.0
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: 934914020
Test Type: Recovery
Test Duration: 60
Test Level: 58.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934121343
Test Type: Recovery
Test Duration: 15
Test Level: 58.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934396196
Test Type: Recovery
Test Duration: 30
Test Level: 58.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934656573
Test Type: Recovery
Test Duration: 45
Test Level: 58.0
Test Level UOM: ft

Water Details

Water ID: 934036673
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 153.0
Water Found Depth UOM: ft

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory: Provincial AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

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-Apr 2024

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-Apr 30, 2024

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-Apr 30, 2024

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 -May 2024

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-Jun 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 - July 31, 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-Aug 31, 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 - July 31, 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-Aug 31, 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-Mar 31, 2024

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, 2023

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-Jun 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 2022

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-May 31, 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 - July 31, 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-Aug 31, 2024

Ontario PFAS Spills: Provincial PFAS

This specific list of spills includes those incidents where one or more of the listed contaminants are identified in the PFAS Structure List and/or PFAS Chemicals Without Explicit Structure List made available by the United States Environmental Protection Agency (US EPA), is originally sourced from the Ministry of the Environment, Conservation and Parks spills related data. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Government Publication Date: 1988-Mar 2024; May 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 Handlers 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

Potential PFAS Handlers from EASR: Provincial PPHA

The Ontario Environmental Activity and Sector Registry (EASR), described in Ontario Regulation 245/11, allows businesses with less complex operations - and hence not requiring an Environmental Compliance Approval - to register their activities with the Ontario Ministry of the Environment, Conservation and Parks (MECP). This list of potential PFAS handlers includes those EASR 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.

Government Publication Date: Jun 30, 2024

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 - July 31, 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-Jul 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-Apr 30, 2024

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.

Government Publication Date: 1988-Mar 2024; May 2024

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 Aug 31, 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: Dec 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

Kuldeep Panchal
Junior Environmental Scientist

Kuldeep Panchal is a Junior Environmental Scientist with Paterson Group in Ottawa, Ontario. Kuldeep received his Bachelor of Civil Engineering in 2017, Charotar University of Sciences & Technology. In 2019 He earned his Master's in Environmental Engineering, from the University of Ottawa. In his time at Paterson with Environmental Division, Kuldeep has been involved in primarily residential and commercial development projects predominantly within the National Capital Region, where he conducted Phase I Environmental Site Assessments (ESAs) to MECP and CSA standards and conducted environmental and geotechnical subsurface investigations. His current scope of work consists of environmental investigation, reporting, field inspections, soil and groundwater sampling, supervising the remediation of contaminated sites, and ensuring compliance with applicable regulatory standards.

EDUCATION

Master's Environmental Engineering, 2019
University of Ottawa, Ottawa, ON

Bachelor of Civil Engineering, 2017
Charotar University of Sciences & Technology, Gujarat, India

LICENCE/PROFFESIONAL AFFILIATIONS

E.I.T. (Engineer in Training) with PEO
CCIL (Canadian Council of Independent Laboratories) – Type QF
TDG (Transportation of Dangerous Goods) – Type A Packages

YEARS OF EXPERIENCE

With Paterson: 3

Other Firms: 1.5

OFFICE LOCATION

9 Auriga Drive
Ottawa, Ontario, K2E 7T9

SELECT LIST OF PROJECTS

- CSA Phase I Environmental Site Assessments (ESAs) – Various Sites, Ottawa, ON
- Mattamy Homes – Fairwinds Phase 8 – Environmental subsurface investigation – Ottawa, ON
- Soil and Groundwater sampling – Various Sites, Ottawa, ON
- CECCE – 205 Scholastic – Micro Piling – Ottawa, ON
- Minto – Quinn's Pointe – Stage 4 – Site Servicing and Soil Inspections – Ottawa, ON
- W.H. MacSweyn – Prepared Compaction Plan and Road Works – Ottawa, ON
- Minto – Brookline – Site Servicing – Ottawa, ON
- Various High Rise and Commercial Projects – Material Testing – Ottawa, ON
- Proposal Preparation for Material Testing – Various Projects

PROFESSIONAL EXPERIENCE

March 2024 to present – **Junior Environmental Scientist, Environmental Division, Paterson Group,** Ottawa, Ontario

- Conduct Phase I – Environmental Site Assessments (ESAs) to CSA and O.Reg. 153/04 Standards.
- Responsible for the application of environmental, hydrological, and/or geotechnical principles and practices in the identification and delineation of soil and groundwater contamination plumes while ensuring compliance with federal, provincial, and/or municipal legal and regulatory requirements.
- Presenting analytical test results, interpretations, assessments, recommendations and/or 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 and rock classification, and soil and groundwater field sampling.
- Coordination of contractors while directly reporting to intermediate and senior management to ensure completion of project on schedule and within budget.

July 2023 to February 2024 – **Project Coordinator, Materials Testing, Paterson Group,** Ottawa, Ontario

- Prepares technical reports for existing clients, such as geotechnical summaries, and foundation assessments.
- Compiles proposals for various private and government-based tenders.
- Aids with project-related procurements.
- Prepares and reviews training and Standard Operating Procedures (SOP's) documents for the Materials Testing Department.
- Works closely with Director or Project Managers within the Materials Testing Department to ensure reports are completed on time.
- Actively takes part in extra training and the training of field staff.
- Assists the Director or Project Manager and field staff with various site inspections.

May 2021 to July 2023 – **Field Technologist, Materials Testing – Paterson Group,** Ottawa, ON

- Geotechnical investigations include test pitting programs for various types of subsurface soils investigations.
- Prepares geotechnical investigation reports and slope stability analysis with accompanying recommendations.
- Field inspections and material testing include but not limited to compaction, proof rolling, concrete testing, mortar/grout testing, subgrade reviews, bearing medium evaluations, bearing surface inspections, rebar inspections, both footings and walls, and asphalt sampling.
- Specialty testing such as, cover meter inspections, Piling and Micro Piling, excavation reviews, thermocouple installation and readings, Schmidt hammer testing, granular sampling, light weight fill, and crack monitoring.

June 2017 to June 2018 – **Site Engineer, Sheth Enterprise –** Surat, Gujarat, India

- Used theoretical knowledge of construction work in practical scenarios.
- Was responsible for handling multiple residential construction sites in Surat area.
- Performed duties such as site inspections, supervision of workers and the coordination between contactors and design engineers.
- Trained civil engineering graduates during their internships on the construction sites.

February 2017 to April 2017 – **Environmental Laboratory Trainee – Detox Corporation Pvt. Ltd. –** Surat, Gujarat, India

- Performed analysis of environmental samples which were collected on a regular basis adhering to the safely regulations.
- Understood the design plans of water and wastewater treatment plants.
- Implemented various regulations and limits of parameters in water and wastewater discharge.
- Performed analysis of samples using apparatus such as a Bomb Calorimeter and a Spectrophotometer.
- Conducted a variety of tests on water and wastewater using methods such as Biochemical Oxygen Demand (BOD) and Chemical Oxygen Demand (COD) tests.
- Learned how to formulate environmental impact assessment reports.
- Authored professional reports listing the characteristics of tested waste and hazardous waste.
- Gathered and prepared reports on Quality Assurance (QA) of environmental waste.

PATERSON GROUP
solution oriented engineering

Michael Beaudoin, P.Eng., QP$_{ESA}$
Senior Project Manager

Michael received his Bachelor of Engineering from Carleton University in 2010 in Environmental Engineering. Michael joined the Paterson Group in the Environmental Division. Michael has worked for Paterson for approximately 14 years and has accrued extensive field and office experience. Michael's experience working in the field ranges from Phase I site reviews, Phase II investigations, remediation site inspections and designated substance surveys. Through his years of field experience, Michael 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. Michael 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. Michael has assisted with Mark D'Arcy in the development of young staff and continuous improvement of Paterson internal systems.

EDUCATION
B.Eng. 2010, Environmental Engineering
Carleton University
Ottawa, ON

LICENCE/ PROFESSIONAL AFFILIATIONS
Professional Engineers of Ontario

YEARS OF EXPERIENCE
With Paterson: 14

OFFICE LOCATION
9 Auriga Drive, Ottawa, Ontario, K2E 7T9

SELECT LIST OF PROJECTS
- Rideau Street Reconstruction, Ottawa, ON Phase I ESA, Phase II ESA, (Field Manager)
- Main Street Reconstruction, Ottawa, ON Phase I ESA, Phase II ESA, (Field Manager)
- Woodroffe Avenue Reconstruction, Ottawa, ON Phase I ESA, Phase II ESA, (Field Manager)
- Westboro Connection Development, Ottawa ON, Phase II ESA, Remediation Supervision (Field Manager)
- Riverview Development – Kingston, ON, Phase I ESA, Phase II ESA, and filing of multiple RSCs in the MECP Environmental Site Registry (Project Manager)
- West Village Development – Kingston, ON, Phase I ESA, Phase II ESA, and filing of multiple RSCS in the MECP Environmental Site Registry (Project Manager)
- Moon Development – 245 Rideau Street, Ottawa, ON, Phase I ESA, Phase II ESA, and RSC Filing (Project Manager)
- ESAP Project, Ottawa, ON
- Record of Site Condition Filings – Residential and Commercial Development Properties, Various Sites, Ottawa, Kingston ON.
- Designated Substance Surveys, Ottawa, ON
- Phase I and Phase II Investigations in accordance with CSA standards and O.Reg 153/04

PROFESSIONAL EXPERIENCE

November 2010 to present**, 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: Riverview Development, West Village, Westboro Connection, ESAP Project, and 405 Terminal Avenue.
- 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 MECP Environmental Site Registry.
- Completing Designated Substance Surveys (including Air Quality Testing)
- 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.