

Phase I – Environmental Site Assessment

4850 Bank Street
Ottawa, Ontario

Prepared for Regional Group Ltd.

Report: PE6336-2
September 25, 2025

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EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by Regional Group Ltd. to carry out a Phase I – Environmental Site Assessment (Phase I ESA) for 4850 Bank Street, in the City of Ottawa, Ontario. The objective of this Phase I ESA was to research the past and current use of the site (Phase I Property) and a 250m study area (Phase I Study Area) to identify any environmental concerns with the potential to have impacted the subject property.

According to the historical research, the Phase I Property was first developed sometime before 1945 as agricultural land. Since that time, the Phase I Property has been predominantly vacant, unused land. The site has never been formally developed. There are no environmental concerns with respect to the historical use of the Phase I Property.

The historical use of the surrounding lands consisted of agricultural, commercial, and residential land use. Multiple PCAs were identified with respect to the historical use/activities of some of the properties within the Phase I Study Area. However, based on their location and the results of the 2023 Phase I-II Environmental Site Assessment, no PCAs identified are considered to result in APECs.

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

The surrounding land use in the Phase I Study Area is a primarily residential and commercial with some vacant land use.

Based on the findings of this assessment, 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 Regional Group Ltd., Paterson Group (Paterson) carried out a Phase I – Environmental Site Assessment (Phase I ESA) for 4850 Bank Street, in the City of Ottawa, Ontario, (Phase I Property). The objective of this Phase I ESA has been to research the past and current use of the Phase I Property, as well as the neighbouring properties within a 250m study area (Phase I Study Area), to identify any potentially contaminating activities (PCAs) that would result in areas of potential environmental concern (APECs) on the Phase I Property.

Paterson was engaged to conduct this Phase I ESA by Mr. Evan Garfinkel, of Regional Group Ltd., who can be reached at 613-230-2100.

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

This Phase I ESA report has been prepared under the supervision of a Qualified Person, in general accordance with 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, as well as a cursory review made at the time of the field assessment. The historical research relies upon 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:	4850 Bank Street, Ottawa, Ontario.
Legal Description:	Part of Lot 22, Concession 4, Township of Gloucester, in the City of Ottawa.
Location:	The Phase I Property is located on the west side of Bank Street, 240m south of Paakanaak Avenue, in the City of Ottawa, Ontario. For the purposes of this report, Bank Street runs in a north-south orientation. Refer to Figure 1 – Key Plan, for the site location context.
Latitude and Longitude:	45° 18' 18.12" N, 75° 35' 32.95" W.

Site Description:

Configuration:	Irregular.
Area:	21.98 ha (approximately).
Zoning:	RU – Rural Countryside Zone.
Current Use:	The Phase I Property currently consists of vacant land.
Services:	The Phase I Property is located within a municipally serviced area but is not serviced.

3.0 SCOPE OF INVESTIGATION

The scope of work for this Phase I ESA is described as follows:

- ☐ Determine the historical activities occurring on the Phase I Property and in the Phase I Study Area by conducting a review of readily available records, reports, photographs, plans, mapping information, databases, and regulatory agencies;
- ☐ Investigate the existing conditions present on the Phase I Property and in the Phase I Study Area by conducting site reconnaissance;
- ☐ Conduct interviews with persons knowledgeable of current and historic operations on the Phase I Property and, if warranted, the neighbouring properties;
- ☐ Present the results of our findings in a comprehensive report in general accordance with the requirements O. Reg. 153/04, as amended under the Environmental Protection Act, and in compliance with the requirements of 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 deemed appropriate for defining the study area for this assignment, herein referred to as the Phase I Study Area. Properties located outside of the Phase I Study Area are not considered to have had the potential to impact the Phase I Property, based on their significant separation distances.

First Developed Use Determination

Based on a review of available historical information, the Phase I Property has never been formerly developed.

Fire Insurance Plans

Fire Insurance Plans (FIPs) are not available for the area of the Phase I Property.

City of Ottawa Street Directories

City of Ottawa street directories were reviewed in approximate ten-year intervals, between 1940 and 2011, for the general area of the Phase I Property.

During the time period reviewed, the Phase I Property has never been listed. Adjacent lands were first listed in the directories in the early 2000s and used for commercial purposes. The adjacent properties included Travel-Mor Trailer Sales at 4863 Bank Street, located on the opposite side of Bank Street, Leitrim Home Hardware at 4836 Bank Street, Mister Sealer Corp at 4871 Bank Street, and 31 Leasing and Sales at 4856 Bank Street. The property addressed 4856 Bank Street was also listed as an automotive service garage. The garage is situated adjacent to the Phase I Property along the western side of Bank Street.

Plan of Survey

A plan of survey was not provided for the Phase I Property.

Chain of Title

A chain of title was not requested for the Phase I Property as part of this assessment, since it is our opinion that no new information would be ascertained.

4.2 Environmental Source Information

National Pollutant Release Inventory

A search of the National Pollutant Release Inventory (NPRI) database was conducted as part of this assessment. This federally managed database provides various reports and tracking information relating to the release of solid, liquid, or gaseous pollutants from industrial facilities into the natural environment.

A search of this database did not identify any pollutant release records listed for the Phase I Property, or any properties situated within the Phase I Study Area.

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 was received on August 22, 2025, which is detailed below.

MECP Incident Reports

A request was submitted to the MECP Freedom of Information (FOI) office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants, or inspections maintained by the MECP for the Phase I Property or any of the neighbouring properties. No records of this type were found for the Phase I Property.

MECP Instruments

A request was submitted to the MECP 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 Phase I Property.

The response received on August 22, 2025, included records pertaining to permits to take water from the site addressed 4800 Bank Street, due to the construction on Remer Lands Phases 1-4, adjacent to the northern portion of the Phase I Property.

The response also included a technical memorandum, dated January 2015. The memorandum described the photographic protocols necessary for a photomonitoring program, associated with a permit to take water. A hydrogeological study, dated September 2014, was also included in the response. Both the photomonitoring program and the hydrogeological study were carried out in support of the permit to take water.

Based on the nature of the records received, none of them are considered to pose a potential environmental concern to the Phase I Property.

MECP Waste Management Records

A request was submitted to the MECP FOI office for information with respect to waste management records for the Phase I Property. No records of this type were found for the Phase I Property.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry was conducted as part of this assessment. This database contains publicly available information on Records of Site Condition (RSCs) filed in the Province of Ontario between 2004 and 2024. No Records of Site Condition (RSCs) were filed for the Phase I Property or any properties in the Phase I Study Area.

MECP Waste Disposal Site Inventory

The Ontario Ministry of Environment, Conservation and Parks document entitled, "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of this assessment. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants, and coal tar distillation plants situated in the Province of Ontario.

A review of this document did not identify any such sites situated on the Phase I Property or within the Phase I Study Area.

MECP Coal Gasification Plant Inventory

The Ontario Ministry of Environment, Conservation and Parks document entitled, "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed as part of this assessment. This document provides a reference to the locations of former plants with respect to the Phase I Property.

A review of this document did not identify any former coal gasification plants located on the Phase I Property or within the Phase I Study Area.

Ontario PCB Waste Storage Site Inventory

The Ontario Ministry of Environment, Conservation and Parks document entitled, "*Ontario Inventory of PCB Storage Sites, April 1995*" was reviewed as part of this

assessment. This document identifies all recorded active and closed PCB waste storage sites situated in the Province of Ontario.

A review of this document did not identify any former PCB waste storage sites situated within the Phase I Study Area.

Technical Standards and Safety Authority (TSSA)

The TSSA Fuels Safety Branch in Toronto was contacted electronically on July 24, 2025, as part of this assessment, to inquire about current and former fuel storage tanks, spills, and historical incidents for the Phase I Property as well as the neighbouring properties within the Phase I Study Area. No records were found for the Phase I Property. Four records were returned for a neighbouring property within the Phase I Study Area, one at 4836 Bank Street and three at 4863 Bank Street. These records pertain to propane tanks and a propane refill center. None of the records are considered to represent a PCA.

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

OMNRF Areas of Natural and Scientific Interest (ANSI)

A search for ANSI sites situated within the Phase I Study Area was conducted electronically via the Ontario Ministry of Natural Resources and Forestry (OMNRF) website as part of this assessment.

A review of the available mapping information did not identify any ANSI sites situated on the Phase I Property or within the Phase I Study Area.

City of Ottawa Old Landfill Sites

The document prepared by Golder Associates entitled, “*Old Landfill Management Strategy, Phase I - Identification of Sites, City of Ottawa*”, was reviewed as part of this assessment. This document identifies the details and locations of all recorded closed landfill sites situated in the City of Ottawa.

A review of this document did not identify any former landfills located on the Phase I Property or within the Phase I Study Area.

City of Ottawa Historical Land Use Inventory (HLUI) Database

As part of this assessment, a requisition form was submitted to the City of Ottawa to request information from the City’s Historical Land Use Inventory (HLUI) database for any environmental records pertaining to the Phase I Property as well

as any properties situated within the Phase I Study Area. A response from HLUI was received on September 23, 2025.

The HLUI database identified one record pertaining to a retail automotive sales center located on the adjacent property to the east addressed 4852 Bank Street. The search also returned four automotive service/repair garages and automotive sales records for another adjacent property to the east addressed 4856 Bank Street.

As discussed in the Previous Engineering Reports section below, Paterson Group conducted a Phase I-II ESA for the Phase I Property. Based on the findings of the Phase I ESA, the above-noted automotive sales and automotive service/repair garage activities were considered to pose potential environmental concerns to the Phase I Property. A Phase II ESA was subsequently conducted to address these potential environmental concerns. All analytical test results for both soil and groundwater samples on the property complied with the MECP Table 2 Residential Standard. As such, the aforementioned records are not considered to pose potential environmental concerns for the purposes of this present Phase I Property.

Three gasoline storage tank records and one retail fuel outlet record were identified for the property addressed 4869 Bank Street, approximately 115 m southeast of the Phase I Property. Based on the significant separation distance between this property and the Phase I Property, these off-site records are not considered to pose potential environmental concerns to the Phase I Property.

The remaining records pertain to off-site activities that are not considered to have had the chance to impact the Phase I Property, based on the type of activity taking place or the separation distance (approximately 100 m or more).

ERIS Database Report

A database report, prepared by ERIS (Environmental Risk Information Services Ltd.), dated July 28, 2025, was acquired and reviewed as part of this assessment. This report provides a compilation of various provincial and federal environmental related records pertaining to any properties situated within the Phase I Study Area. The complete ERIS report has been included in Appendix 2.

The ERIS report identified one (1) record pertaining to the Phase I Property. This record pertained to a well water information system. The activities associated with this record are not expected to cause an environmental impact to the Phase I Property.

The ERIS report identified a total of 66 records for properties within the 250m radius of the Phase I Property (9 of which are previous ERIS searches).

The ERIS report identified 4 Waste Generator records for properties within 250m of the Phase I Property. Two records were identified for the property addressed 4836 Bank Street and pertain to light fuels between the years 1992 and 1998. These records are approximately 95m north of the Phase I Property. The third waste generator record identifies 4871 Bank Street, pertaining to oil skimmings and sludges, waste oils, lubricants, heavy fuels, and several acid/metal wastes between the years of 2002 and 2004. These records are approximately 210m southeast of the Phase I Property. The fourth waste generator record is associated with the property addressed 4835 Bank Street, approximately 215m northeast of the Phase I Property. The waste class for this property is identified as 'Pathological Wastes' and its waste generation was only approved for the year 2016. The waste generation on 4836 Bank Street and 4871 Bank Street are considered PCAs, however, based on the separation distance of these properties from the subject site, they do not represent areas of potential environmental concern (APECs) for the Phase I Property.

The ERIS report identified 4 Delisted Fuel Tanks and 4 Private and Retail Fuel Storage Tanks (which seem to depict the same four tanks) for properties within 250m of the Phase I Property. Three of these records pertain to the site addressed 4869 Bank Street, approximately 175 m southeast of the Phase I Property, and one of these records pertains to the site addressed 4863 Bank Street, approximately 245 m southeast of the Phase I Property. The properties listed are both former retail fuel outlets. These fuel tanks represent a PCA, however due to the distance separating these properties and the Phase I Property, these fuel tanks do not represent an area of potential environmental concern (APEC) for the Phase I Property.

The ERIS report identified 4 Pesticide Registers for properties within 250m of the Phase I Property. All records pertain to the site addressed 4836 Bank Street and are approximately 95m from the Phase I Property. Based on the distance separating this property and the Phase I Property, these records are not considered to have affected the Phase I Property.

The ERIS report identified 2 Ontario Spill records for properties within 250m of the Phase I Property. One of the records pertains to the property addressed 4860 Bank Street, approximately 45m east of the Phase I Property, and is associated with an unknown amount of furnace oil onto the basement and floor slab in 1994. This spill represents a PCA, however, based on the distance from the Phase I Property and

that it is downgradient from the Phase I Property, this spill does not represent an area of potential environmental concern (APEC) for the Phase I Property. The second Ontario spill record identifies a natural gas line strike on the property addressed 87 Dun Skipper Drive. Due to the type of spill (natural gas), this spill is not considered to affect the Phase I Property.

The ERIS report identified 21 well records and 3 borehole records within the Phase I Study Area, which are further discussed in the MECP Water Well Records section of this report.

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

Previous Engineering Reports

Paterson completed a Phase I-II Environmental Site Assessment for the Phase I Property, titled “Phase I-II Environmental Site Assessment, 4850 Bank Street, Ottawa, Ontario”, Report: PE6336-1, December 20, 2023.

During the combined Phase I and II, three potential environmental concerns were identified: An automotive service garage to the immediate east (4856 Bank Street), a retail automotive sales centre to the east (4852 Bank Street), and the presence of derelict vehicles encroaching onto the property from 4848 Bank Street. After the three areas of potential environmental concern (APECs) were identified, a Phase II site assessment was recommended and subsequently completed.

Ten boreholes were advanced on the subject property on December 11th to 14th, 2023 during a joint environmental and geotechnical investigation. No apparent staining, odours, or PID readings were observed in the collected samples. Three soil samples were submitted to Paracel Laboratories for analysis of VOCs and PHCs (F₁-F₄). No VOC concentrations were detected, and the detected PHC concentrations complied with the selected standards (MECP Table 2 Residential). Groundwater samples were also recovered from three monitoring wells on December 15th, 2023. No unusual visual or olfactory observations were noted during the groundwater sampling program. The groundwater samples were submitted to Paracel Laboratories for analysis of VOCs and PHCs (F₁-F₄). No PHC concentrations were detected. Chloroform was detected at low concentrations, but it was considered to be a result of the water used for rock coring. All results complied with MECP Table 2 Potable Groundwater standards. No further work was required at this time.

The groundwater was determined to flow north/northeastward.

Paterson has also conducted various Phase I assessments for properties situated within the Phase I Study Area. A review of these reports did not identify any environmental concerns with the potential to impact the Phase I Property.

4.3 Physical Setting Sources

Historical aerial photographs of the Phase I Study Area were obtained from the National Air Photo Library and City of Ottawa (geoOttawa), and reviewed in approximate ten-year intervals, beginning with the earliest available photograph. Based on a review of these photographs, the following observations have been made:

- | | |
|------|--|
| 1945 | (Poor Scale, National Air Photo Library) The Phase I property and surrounding properties are used for agricultural purposes. Bank Street is present in its current orientation at this time. |
| 1967 | (Poor Scale, National Air Photo Library) No significant changes are apparent with respect to the Phase I Property. Disturbed soil to the north indicates a commercial building is under development on the west side of Bank Street. To the southwest, a racetrack appears to have been developed associated with the Rideau Carleton Raceway. No other significant changes are apparent with respect to the surrounding properties. |
| 1976 | (geoOttawa) No significant changes are apparent with respect to the Phase I Property. Several commercial properties have been completely developed to the south of the subject site on the west side of Bank Street. The commercial property being constructed to the north of the subject site has been completed. No other significant changes are apparent with respect to the surrounding properties. |
| 1985 | (Poor Scale, National Air Photo Library) No significant changes are apparent with respect to the Phase I Property or surrounding lands. |
| 1999 | (geoOttawa) No significant changes are apparent with respect to the Phase I Property. It appears that a commercial driving range is being developed to the south of the site on the west side of Bank Street. No other significant changes are apparent with respect to the surrounding properties. |
| 2008 | (geoOttawa) No significant changes are apparent with respect to the Phase I Property or surrounding lands. |

- 2019 (geoOttawa) No significant changes are apparent with respect to the Phase I Property. A residential subdivision is being developed alongside the northern edge of the Phase I Property. No other changes appear to have been made to the surrounding properties.
- 2024 (Google Earth™) No significant changes are apparent with respect to the Phase I Property. Further development of the residential subdivision can be seen to the north. The commercial building to the north has been demolished and replaced by a larger commercial building bordering Dun Skipper Drive and Bank Street.

Copies of the aerial photographs selected for review are included in Appendix 1.

Geological Maps

Geological mapping information for the Phase I Property was obtained from The Geological Survey of Canada – Urban Geology of the National Capital Area and reviewed as part of this assessment.

Based on the available mapping information, the bedrock beneath the Phase I Property generally consists of dolostone and sandstone of the Beekmantown Group. The surficial geology consists largely of till deposits, with a drift thickness ranging from approximately 5m to 10m.

Water Bodies

No water bodies are present on the Phase I Property.

The nearest named water body with respect to the Phase I Property is Findlay Creek, located approximately 0.8 km to the north of the Phase I Property. There is a water drainage feature that drains northward to Findlay Creek which lies to the east of the property. Based on the hydrology/topography of the area, the groundwater is expected to flow northeastward beneath the eastern half of the site.

Topographic Maps

A topographic map of the Phase I Property was obtained from the Natural Resources Canada – The Atlas of Canada website and reviewed as part of this assessment. The topographic map indicates that the general elevation of the Phase I Property is approximately 107m above sea level. The regional topography within the greater area is depicted as sloping downwards in various directions.

An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

Physiographic Maps

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

MECP Water Well Records

A search of the MECPs website for all drilled well records within a 250m radius of the Phase I Property was conducted as part of this assessment. The search identified 21 well records within the Phase I Study Area. These records pertain to wells installed between 1950 and 2019, for groundwater observation purposes or domestic use, as well as one well that has been decommissioned. 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.

According to the well records, the subsurface stratigraphy in the general area of the Phase I Property is variable geographically. A majority of well records within the Phase I Study Area identifies a layer of clay underlain by limestone. Other records within the Phase I Study Area identify boulders and sand underlain by sandstone. Bedrock, consisting of sandstone, was generally encountered at an average depth of 2-15m below ground surface.

A select number of the aforementioned well records have been included in Appendix 2.

5.0 INTERVIEWS

Property Owner

Mr. Evan Garfinkel, a representative of Regional Group (the property owner at the time of assessment), was contacted electronically to respond to questions about the environmental history of the Phase I Property. Mr. Garfinkel stated Regional Group have owned the property since early 2024 and is not aware of any significant changes prior to or post acquisition of the property. Mr. Garfinkel indicated that he was not aware of any non-native soil or fill being imported onto the subject property, or of any fuel or chemical spills occurring on the lands.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

A site inspection was conducted for the Phase I Property on July 25, 2025, between 2:30 PM and 3:30 PM. Weather conditions were mostly sunny, with a temperature of approximately 35°C. Personnel from the Environmental Department of Paterson Group conducted the inspection.

In addition to the Phase I Property, the uses of neighbouring properties within the Phase I Study Area were also assessed at the time of the site inspection.

6.2 Specific Observations at the Phase I Property

Site Description

The Phase I Property is currently vacant, consisting of non-landscaped trees, brush, and various vegetation.

The site topography is relatively flat, being highest in the centre and sloping slightly down to the east and west. The regional topography appears to gradually slope down towards the northwest and south further south of the site. The Phase I Property is considered to be relatively at grade with respect to the neighbouring properties.

Water drainage on the Phase I Property occurs primarily via infiltration.

No ponded water, stressed vegetation, surficial staining, or any other indications of potential sub-surface contamination were observed on the Phase I Property at time of the site inspection.

A depiction of the Phase I Property is illustrated on Drawing PE6336-2 – Site Plan, in the Figures section of this report.

Buildings and Structures

At the time of the site inspection, the Phase I Property contained no visible buildings or structures on site.

Potential Environmental Concerns

☐ Fuels and Chemical Storage

At the time of the site inspection, no vent and fill pipes, above ground fuel storage tanks (ASTs), or evidence indicating the presence of any underground fuel storage tanks (USTs) were observed on the exterior of the Phase I Property.

☐ Hazardous Materials and Unidentified Substances

At the time of the site inspection, no hazardous materials, unidentified substances, spills, surficial staining, abnormal odours, stressed vegetation, or any other indications of potential sub-surface contamination were observed on the exterior of the Phase I Property.

☐ Polychlorinated Biphenyls (PCBs) and Transformer Oil

At the time of the site inspection, no electrical transformers or any other potential sources of PCBs or transformer oil were identified on the exterior of the Phase I Property.

☐ Waste Management

At the time of the site inspection there was no waste being generated on the Phase I Property. No olfactory indicators, staining or stressed vegetation were observed at the time of inspection.

☐ Current or Former Rail or Spur Lines

No evidence of existing or former rail or spur lines was observed within the Phase I Study Area at the time of the site visit.

Neighbouring Properties

At the time of the site inspection, a survey of the neighbouring properties was conducted from publicly accessible roadways.

Land use adjacent to the Phase I Property was observed as follows:

North: Residential dwellings, followed by Dun Skipper Drive;

East: Automotive service garage, automotive sales center, followed by Bank Street;

South: Golf driving range;

West: Vacant land.

Based on our site visit, although potentially contaminating activities were identified with the neighbouring properties, no areas of potential environmental concern were identified as per the previous Phase I-II Environmental Site Assessment Investigation.

The neighbouring land use within the Phase I Study Area is depicted on Drawing PE6336-3 – Surrounding Land Use Plan, in the Figures section of this report.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

Based on a review of available historical information, the subject site has never been formally developed.

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

No potentially contaminating activities (PCAs) were identified on the Phase I Property. Several PCAs were identified on properties within the Phase I Study Area, however, due to the former analytical testing performed on the subject site and the down-gradient location and/or the separation distances of these PCAs, none were considered to result in areas of potential environmental concern (APECs) on the Phase I Property. Off-site PCAs with their respective locations are presented on Drawing PE6336-3 – Surrounding Land Use Plan, in the Figures section of this report.

Contaminants of Potential Concern

No contaminants of potential concern were identified on the subject site.

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

A search of the Geological Survey of Canada's 'Urban Geology of the National Capital Area' web site was conducted for the subject property. Bedrock in the area of the site consists of sandstone and dolomite of the Oxford and March Formations. Overburden soils consist of plain till. Drift thickness at the subject site is shown to be on the order of 5-10 m.

Groundwater flow is interpreted to be in a northeastern direction, beneath the eastern portion of the property.

Water Bodies and Areas of Natural and Scientific Interest

No water bodies are present on the subject site. The nearest named water body with respect to the subject site is Findlay Creek, located approximately 0.8 km to the northeast.

Existing Buildings and Structures

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

Drinking Water Wells

Based on the availability of municipal water services, drinking water wells are expected to be in use within the Phase I study area, as many adjacent properties are not municipally serviced.

Neighbouring Land Use

The neighbouring lands within the Phase I study area consist of residential and commercial properties. Current land use is shown on Drawing PE6336-3 – Surrounding Land Use Plan, in the Figures section of this report.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1, several PCAs were identified on properties within the Phase I Study Area, however, due to the former work performed on the subject site, the down-gradient and/or the separation distances of these PCAs, none were considered to result in areas of potential environmental concern (APECs) on the Phase I Property. Off-site PCAs are presented with their respective locations on Drawing PE6336-3 – Surrounding Land Use Plan, in the Figures section of this report.

Contaminants of Potential Concern

No contaminants of potential concern were identified in the Phase I Study Area.

Record of Site Condition

Since the most recent land use was agricultural, and the proposed land use is residential, a record of site condition (RSC) will not be required to be filed with the MECP, as agricultural land use is a more sensitive use of land than residential.

Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of this Phase I ESA is considered to be sufficient to conclude that there are no PCAs or APECs associated with the subject site. The absence of any APECs was confirmed by a variety of independent sources, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

8.0 CONCLUSIONS

8.1 Assessment

Paterson Group was retained by Regional Group Ltd. to carry out a Phase I – Environmental Site Assessment (Phase I ESA) for 4850 Bank Street, in the City of Ottawa, Ontario. The objective of this Phase I ESA was to research the past and current use of the site (Phase I Property) and a 250m study area (Phase I Study Area) to identify any environmental concerns with the potential to have impacted the subject property.

According to the historical research, the Phase I Property was first developed sometime before 1945 as agricultural land. Since that time, the Phase I Property has been predominantly vacant, unused land. The site has never been formally developed. There are no environmental concerns with respect to the historical use of the Phase I Property.

The historical use of the surrounding lands consisted of agricultural, commercial, and residential land use. Multiple PCAs were identified with respect to the historical use/activities of some of the properties within the Phase I Study Area. However, based on their location and the results of the 2023 Phase I-II Environmental Site Assessment, no PCAs identified are considered to result in APECs.

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

The surrounding land use in the Phase I Study Area is a primarily residential and commercial with some vacant land use.

Based on the findings of this assessment, 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 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 as well as a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as local, provincial, and federal agencies and was limited within the scope-of-work, time, and budget of the project herein.

Should any conditions be encountered at the 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 Regional Group Ltd. Permission and notification from Regional Group Ltd. and Paterson Group will be required prior to the release of this report to any other party.

Paterson Group Inc.



Carson de Ridder, Environmental Intern



Mark D'Arcy, P.Eng., QP_{ESA}



Report Distribution:

- ☐ Regional Group Ltd.
- ☐ Paterson Group Inc.

10.0 REFERENCES

Federal Records

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

Provincial Records

- ☐ MECP: Freedom of Information and Privacy Office.
- ☐ MECP: Municipal Coal Gasification Plant Site Inventory, 1991.
- ☐ MECP: Waste Disposal Site Inventory, 1991.
- ☐ MECP: Brownfields Environmental Site Registry.
- ☐ MECP: Water Well Inventory.
- ☐ MECP: Ontario PCB Waste Storage Site Inventory, 1995.
- ☐ Office of Technical Standards and Safety Authority, Fuels Safety Branch.
- ☐ Ministry of Natural Resources and Forestry Areas of Natural Significance.
- ☐ Chapman, L.J., and Putnam, D.F., 1984: 'The Physiography of Southern Ontario, Third Edition', Ontario Geological Survey Special Volume 2.

Municipal Records

- ☐ City of Ottawa: GeoOttawa
- ☐ City of Ottawa: Historical Land Use Inventory Database
- ☐ City of Ottawa: document entitled, "Old Landfill Management Strategy, Phase I – Identification of Sites", prepared by Golder Associates, 2004.

Local Information Sources

- ☐ Personal Interviews.
- ☐ Previous Engineering Reports.

Public Information Sources

- ☐ ERIS Database Report.
- ☐ Google Earth.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE6336-2 – SITE PLAN

DRAWING PE6336-3 – SURROUNDING LAND USE PLAN

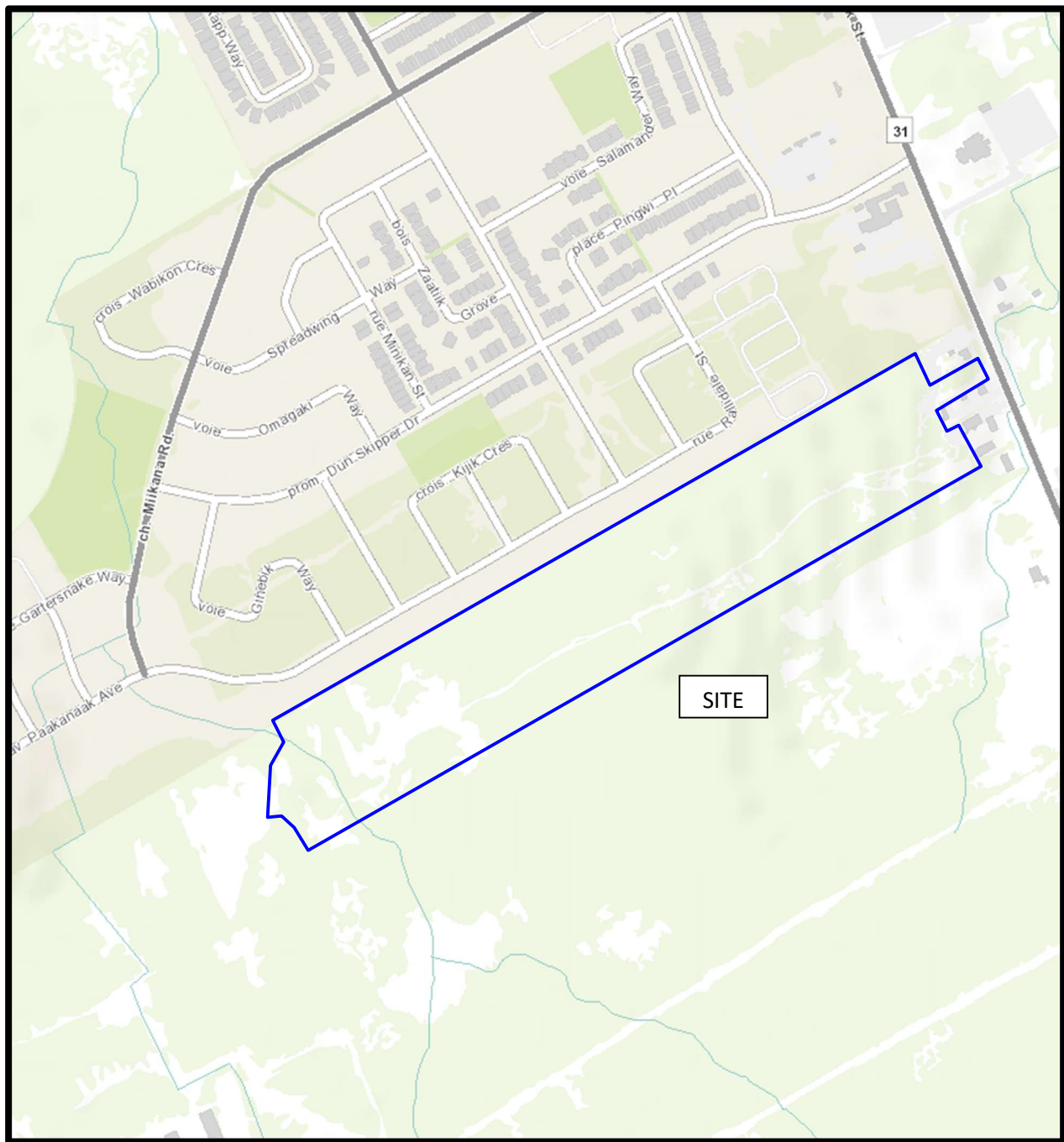


FIGURE 1
KEY PLAN

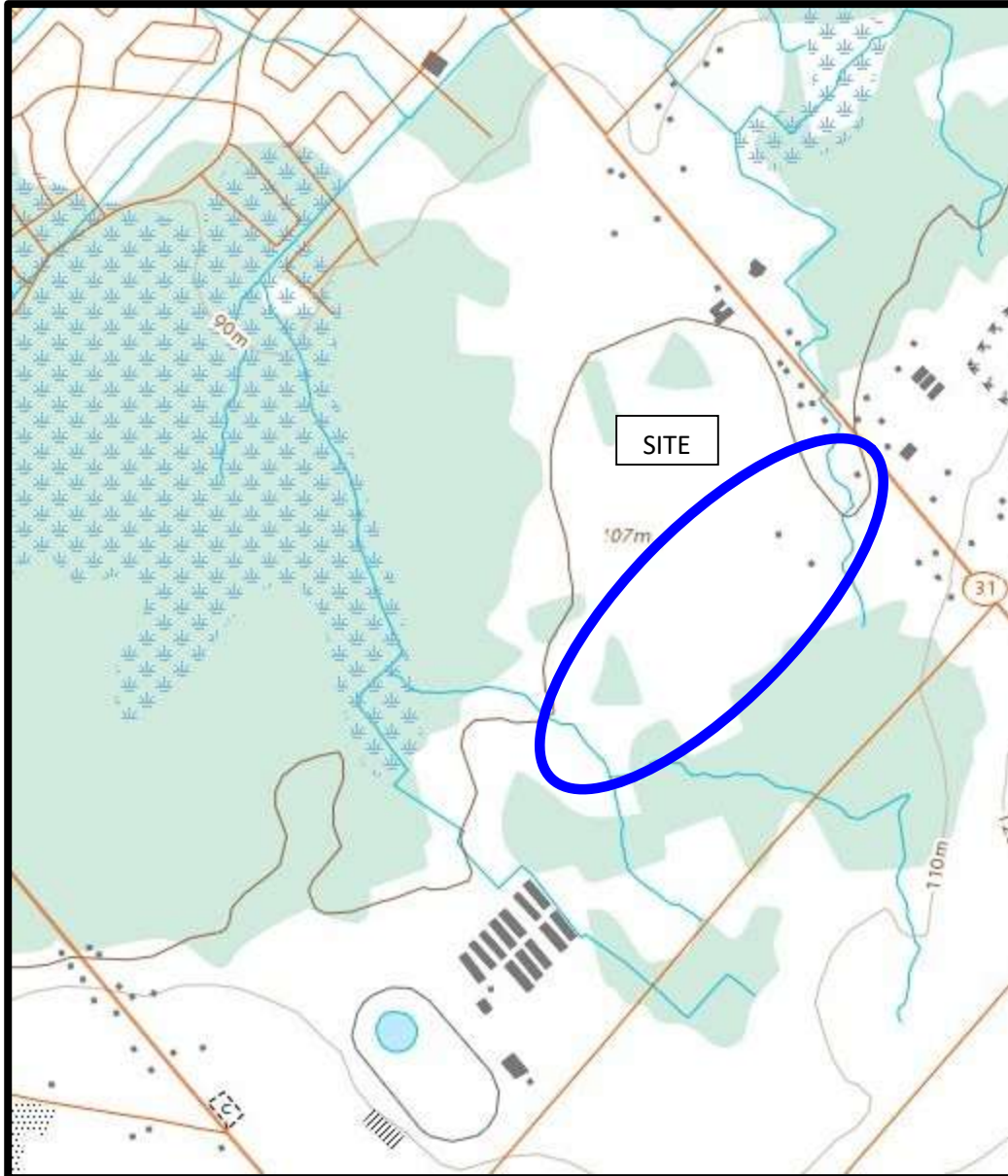
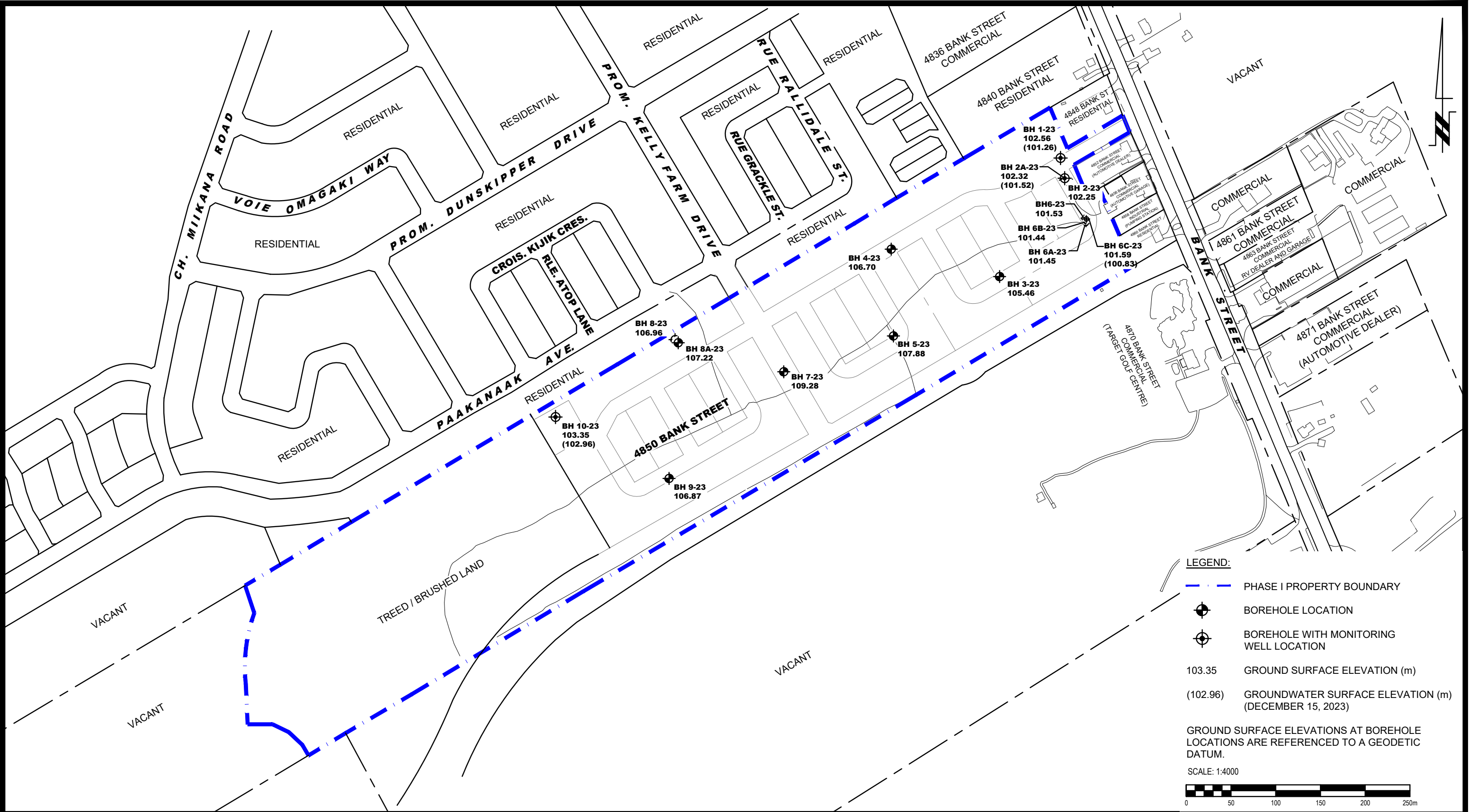
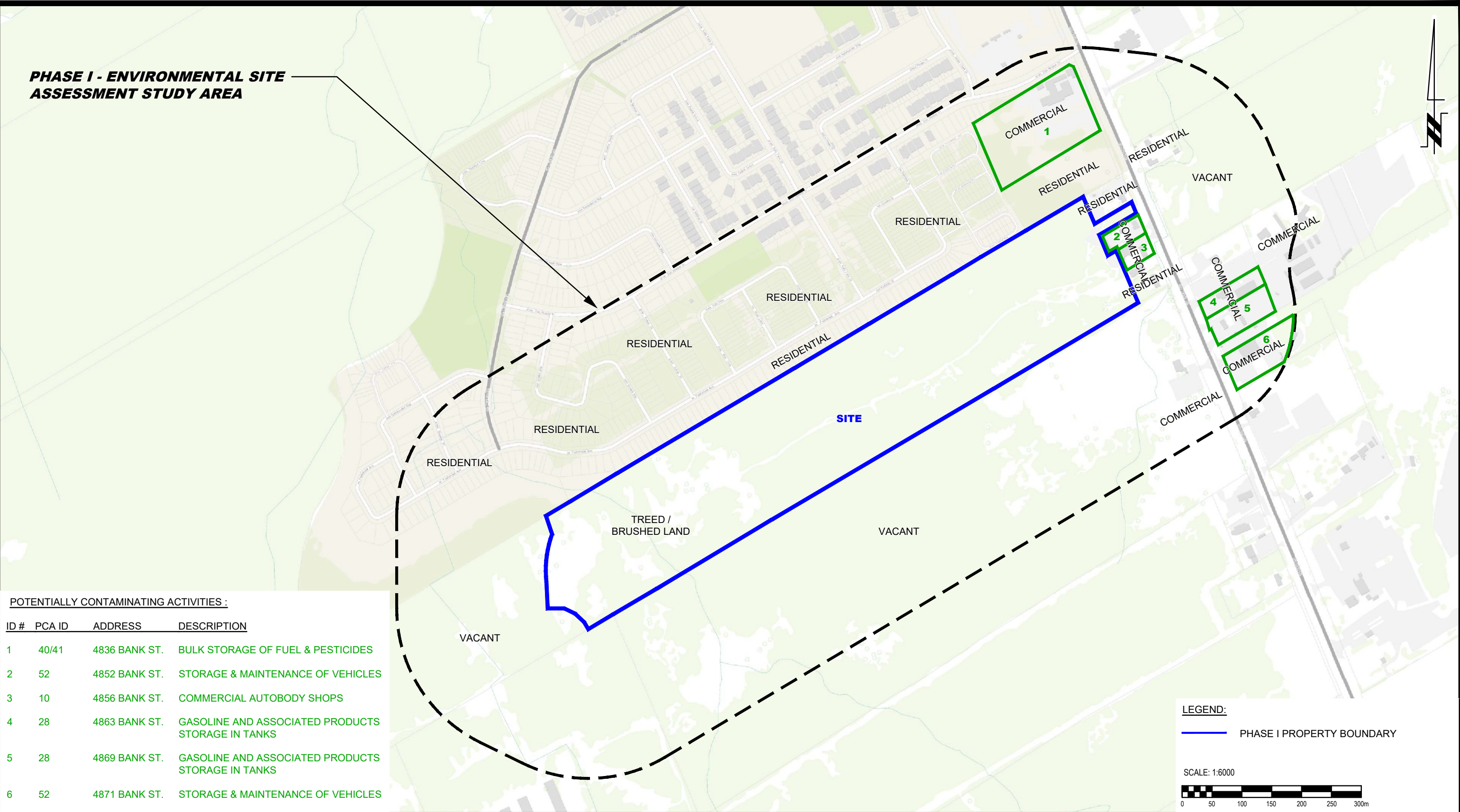


FIGURE 2
TOPOGRAPHIC MAP



 9 AURIGA DRIVE OTTAWA, ON K2E 7T9 TEL: (613) 226-7381					REGIONAL GROUP PHASE I - ENVIRONMENTAL SITE ASSESSMENT 4850 BANK STREET OTTAWA, ONTARIO Title: SITE PLAN	Scale: 1:4000	Date: 08/2025
						Drawn by: YA	Report No.: PE6336-2
						Checked by: CDR	Dwg. No.: PE6336-2
						Approved by: MSD	
	NO.	REVISIONS	DATE	INITIAL			

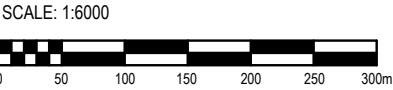
PHASE I - ENVIRONMENTAL SITE ASSESSMENT STUDY AREA



POTENTIALLY CONTAMINATING ACTIVITIES :

ID #	PCA ID	ADDRESS	DESCRIPTION
1	40/41	4836 BANK ST.	BULK STORAGE OF FUEL & PESTICIDES
2	52	4852 BANK ST.	STORAGE & MAINTENANCE OF VEHICLES
3	10	4856 BANK ST.	COMMERCIAL AUTOBODY SHOPS
4	28	4863 BANK ST.	GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN TANKS
5	28	4869 BANK ST.	GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN TANKS
6	52	4871 BANK ST.	STORAGE & MAINTENANCE OF VEHICLES

LEGEND:
PHASE I PROPERTY BOUNDARY





**PATERSON
GROUP**

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

NO.	REVISIONS	DATE	INITIAL

REGIONAL GROUP

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
4850 BANK STREET

OTTAWA,
Title:

ONTARIO

SURROUNDING LAND USE PLAN

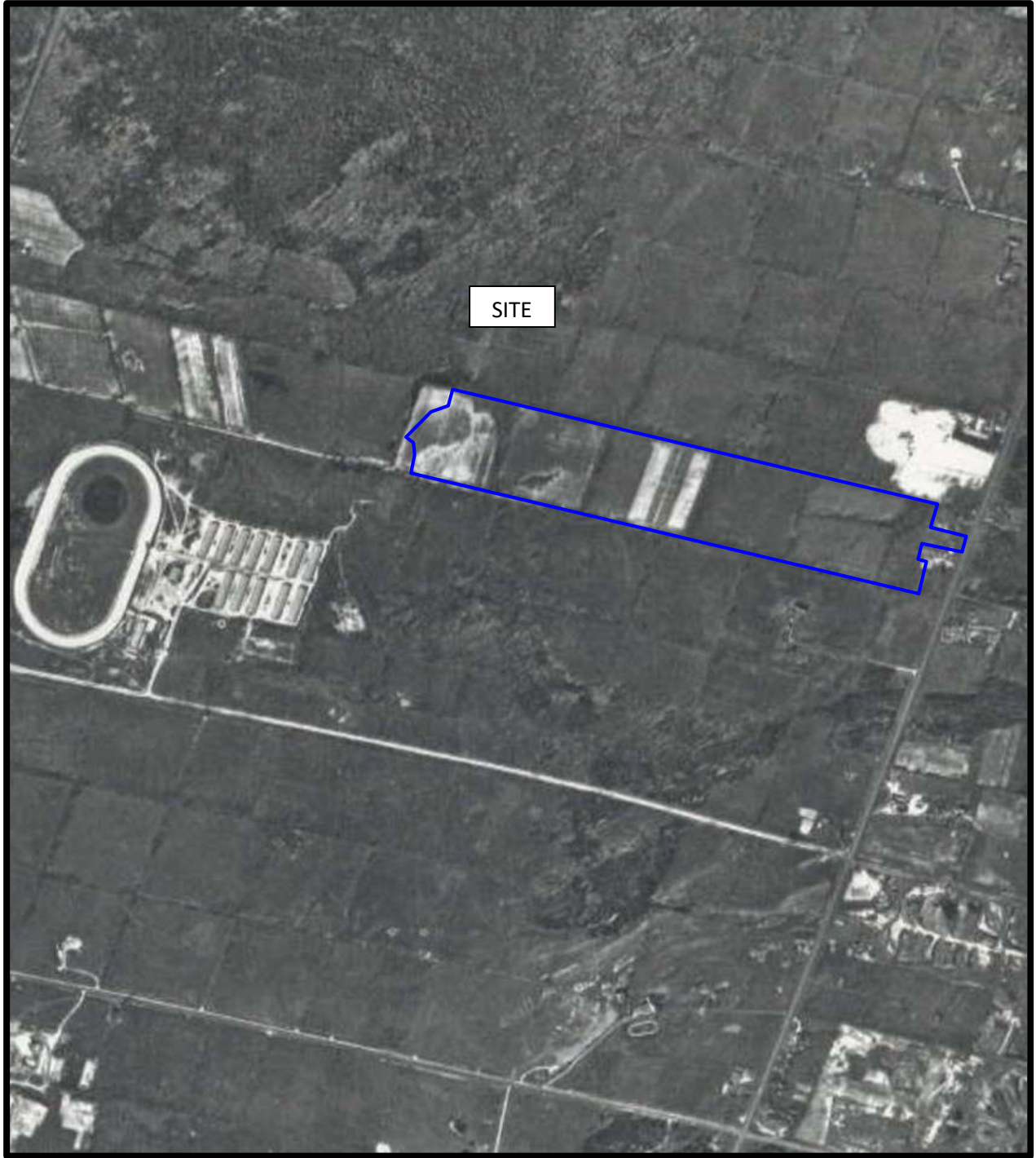
Scale:	1:6000	Date:	08/2025
Drawn by:	YA	Report No.:	PE6336-2
Checked by:	CDR	Dwg. No.:	PE6336-3
Approved by:	MSD	Revision No.:	

APPENDIX 1

AERIAL PHOTOGRAPHS



AERIAL PHOTOGRAPH
1945



AERIAL PHOTOGRAPH
1967



AERIAL PHOTOGRAPH
1976



AERIAL PHOTOGRAPH
1985



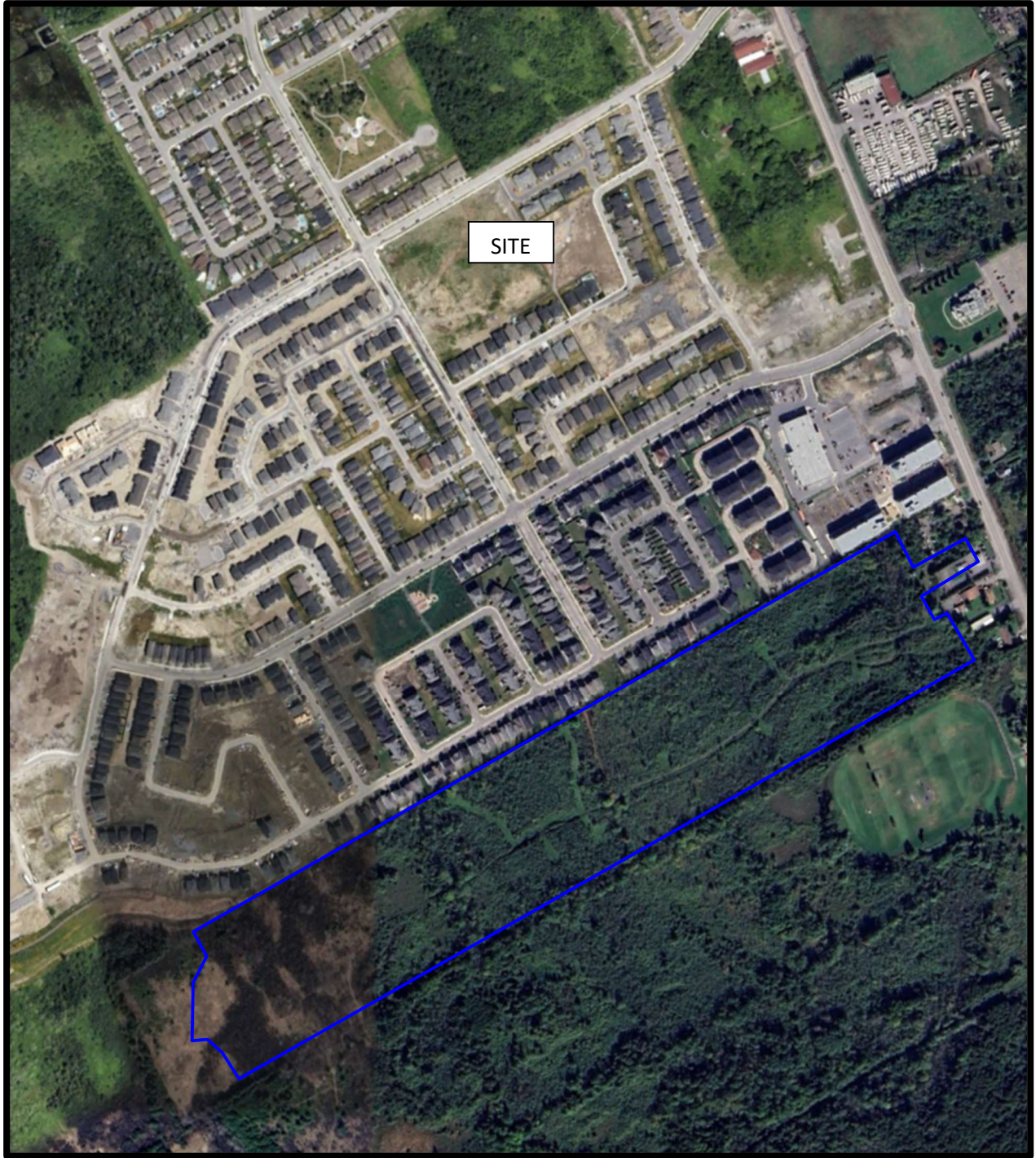
AERIAL PHOTOGRAPH
1999



AERIAL PHOTOGRAPH
2008



AERIAL PHOTOGRAPH
2019



AERIAL PHOTOGRAPH
2024

APPENDIX 2

MECP FREEDOM OF INFORMATION RESPONSE

TSSA CORRESPONDENCE

MECP WATER WELL RECORDS

CITY OF OTTAWA HLUI RESPONSE

ERIS DATABASE REPORT

Ministry of the Environment,
Conservation and Parks
1st Floor
135 St Clair Ave W
Toronto ON M4V 1P5
Fax: (416) 314-8452
Telephone: (437) 882-3116

Ministère de l'Environnement, de la
Protection de la nature et des Parcs
135 av St Clair O
Toronto ON M4V 1P5
Télécopieur : (416) 314-8452
Téléphone : (437) 882-3116



November 9, 2021

DO NOT MAIL

Dear David Kardish:

**Re: Application for Approval of Permit To Take Water
Amendment to Permit To Take Water No. 3480-BALRD9 issued
to Leitrim South Holdings Inc.
City of Ottawa
Reference Number 0635-C8M4Y9**

We acknowledge receipt of your application for a Permit to Take Water for Permit Alteration, received on November 9, 2021, for:

Site Location: Leitrim South Holdings Inc - Remer Lands Phases 1-4
4800 Bank Street
Lot 21 & 22, Concession 4 from Rideau River
City of Ottawa

The Ministry's reference number for your application is 0635-C8M4Y9. Please quote this number in any correspondence or enquiries regarding this application.

The Region handling your application is Eastern Region. If you have any questions regarding your Permit to Take Water application please contact the Permit to Take Water Coordinator at (437)339-9163. Should any further information be required, they will contact you or your identified Project Technical Information Contact. Information regarding Permits to Take Water is also available at www.ene.gov.on.ca.

Sincerely,

A handwritten signature in cursive script, reading "Olivia Simpson".

Olivia Simpson
Application Assessment Officer
Client Services and Permissions Branch

**Ministry of the Environment,
Conservation and Parks**

Eastern Region
Technical Support Section
Water Resources
1259 Gardiners Rd, PO Box 22032
Kingston, ON
K7P 3J6
Tel: (613) 549-4000

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

Direction régionale de l'Est
Section du Soutien Technique
Ressource en eau
1259 Chemin Gardiners, CP 22032
Kingston, ON
K7P 3J6
Tél: (613) 549-4000



April 9, 2019

Mr. David Kardish
Leitrim South Holdings Inc.
1737 Woodward Drive
Ottawa, Ontario
K2C 0P9

Dear Mr. Kardish:

RE: Permit To Take Water 3480-BALRD9
Former Permit 4540-9S2L6Y Amendment to Include
a Constructed Channel
4800 Bank Street
(Lots 21 & 22, Concession 4 from Rideau River,
Geographic Township of Gloucester), Ottawa
Reference Number 6718-B7UQ6P

Please find attached Permit To Take Water 3480-BALRD9 which authorizes the withdrawal of water in accordance with the application for this Permit To Take Water, dated December 19, 2018 and signed by David Kardish.

Please note the attached Permit cancels and replaces Permit 4540-9S2L6Y and expires on December 22, 2024.

Ontario Regulation 387/04 (Water Taking and Transfer) requires all water takers to report daily water taking amounts to the Water Taking Reporting System (WTRS) electronic database (<https://www.lrcsde.lrc.gov.on.ca/wtrs/>). Daily water taking must be reported on a calendar year basis. If no water is taken, then a "no taking" report must be entered. Please consult the Regulation and Section 4 of this Permit for monitoring requirements.

If you have questions about reporting requirements, please call the WTRS Help Desk at 416-235-6322 (toll free: 1-877-344-2011) or by email, WTRSHelpdesk@ontario.ca. It is preferred that you submit your data directly and electronically to the WTRS. Where this is impracticable, please contact the WTRS Help Desk to arrange for written submission of your data.

Take notice that in issuing this Permit, terms and conditions pertaining to the taking of water and to the results of the taking have been imposed. The terms and conditions have been designed to allow for the development of water resources, while providing reasonable protection to existing water uses and users.

Yours truly,



Greg Faaren
Director, Section 34, Ontario Water Resources Act, R.S.O. 1990
Eastern Region

File Storage Number: SI OT 3480 220 (TS)

c: Caitlin Cooke, M.Sc., P.Geo., Golder Associates Ltd., ccooke@golder.com

Ottawa District Office

AMENDED PERMIT TO TAKE WATER
Surface and Ground Water
NUMBER 3480-BALRD9

Pursuant to Section 34.1 of the Ontario Water Resources Act, R.S.O. 1990 this Permit To Take Water is hereby issued to:

Leitrim South Holdings Inc.
1737 Woodward Drive
Ottawa, Ontario K2C 0P9
Canada

For the water taking from: Trench Sump,
Miscellaneous Ponds,
Constructed Channel

Located at: Lot 21 & 22, Concession 4 from Rideau River, Geographic Township of Gloucester
Ottawa

For the purposes of this Permit, and the terms and conditions specified below, the following definitions apply:

DEFINITIONS

- (a) "Director" means any person appointed in writing as a Director pursuant to section 5 of the OWRA for the purposes of section 34.1, OWRA.
- (b) "Provincial Officer" means any person designated in writing by the Minister as a Provincial Officer pursuant to section 5 of the OWRA.
- (c) "Ministry" means Ontario Ministry of the Environment, Conservation and Parks.
- (d) "District Office" means the Ottawa District Office.
- (e) "Permit" means this Permit to Take Water No. 3480-BALRD9 including its Schedules, if any, issued in accordance with Section 34.1 of the OWRA.
- (f) "Permit Holder" means Leitrim South Holdings Inc..

- (g) "OWRA " means the *Ontario Water Resources Act*, R.S.O. 1990, c. O. 40, as amended.

You are hereby notified that this Permit is issued subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. Compliance with Permit

- 1.1 Except where modified by this Permit, the water taking shall be in accordance with the application for this Permit To Take Water, dated December 19, 2018 and signed by David Kardish, and all Schedules included in this Permit.
- 1.2 The Permit Holder shall ensure that any person authorized by the Permit Holder to take water under this Permit is provided with a copy of this Permit and shall take all reasonable measures to ensure that any such person complies with the conditions of this Permit.
- 1.3 Any person authorized by the Permit Holder to take water under this Permit shall comply with the conditions of this Permit.
- 1.4 This Permit is not transferable to another person.
- 1.5 This Permit provides the Permit Holder with permission to take water in accordance with the conditions of this Permit, up to the date of the expiry of this Permit. This Permit does not constitute a legal right, vested or otherwise, to a water allocation, and the issuance of this Permit does not guarantee that, upon its expiry, it will be renewed.
- 1.6 The Permit Holder shall keep this Permit available at all times at or near the site of the taking, and shall produce this Permit immediately for inspection by a Provincial Officer upon his or her request.
- 1.7 The Permit Holder shall report any changes of address to the Director within thirty days of any such change. The Permit Holder shall report any change of ownership of the property for which this Permit is issued within thirty days of any such change. A change in ownership in the property shall cause this Permit to be cancelled.

2. General Conditions and Interpretation

- 2.1 Inspections
The Permit Holder must forthwith, upon presentation of credentials, permit a Provincial Officer to carry out any and all inspections authorized by the OWRA, the *Environmental Protection Act*, R.S.O. 1990, the *Pesticides Act*, R.S.O. 1990, or the *Safe Drinking Water Act*, S. O. 2002.

2.2 Other Approvals

The issuance of, and compliance with this Permit, does not:

(a) relieve the Permit Holder or any other person from any obligation to comply with any other applicable legal requirements, including the provisions of the *Ontario Water Resources Act* , and the *Environmental Protection Act* , and any regulations made thereunder; or

(b) limit in any way any authority of the Ministry, a Director, or a Provincial Officer, including the authority to require certain steps be taken or to require the Permit Holder to furnish any further information related to this Permit.

2.3 Information

The receipt of any information by the Ministry, the failure of the Ministry to take any action or require any person to take any action in relation to the information, or the failure of a Provincial Officer to prosecute any person in relation to the information, shall not be construed as:

(a) an approval, waiver or justification by the Ministry of any act or omission of any person that contravenes this Permit or other legal requirement; or

(b) acceptance by the Ministry of the information's completeness or accuracy.

2.4 Rights of Action

The issuance of, and compliance with this Permit shall not be construed as precluding or limiting any legal claims or rights of action that any person, including the Crown in right of Ontario or any agency thereof, has or may have against the Permit Holder, its officers, employees, agents, and contractors.

2.5 Severability

The requirements of this Permit are severable. If any requirements of this Permit, or the application of any requirements of this Permit to any circumstance, is held invalid or unenforceable, the application of such requirements to other circumstances and the remainder of this Permit shall not be affected thereby.

2.6 Conflicts

Where there is a conflict between a provision of any submitted document referred to in this Permit, including its Schedules, and the conditions of this Permit, the conditions in this Permit shall take precedence.

3. Water Takings Authorized by This Permit

3.1 Expiry

This Permit expires on **December 22, 2024**. No water shall be taken under authority of this Permit after the expiry date.

3.2 Amounts of Taking Permitted

The Permit Holder shall only take water from the source, during the periods and at the rates and amounts of taking specified in Table A. Water takings are authorized only for the purposes specified in Table A.

Table A

	Source Name / Description:	Source: Type:	Taking Specific Purpose:	Taking Major Category:	Max. Taken per Minute (litres):	Max. Num. of Hrs Taken per Day:	Max. Taken per Day (litres):	Max. Num. of Days Taken per Year:	Zone/ Easting/ Northing:
1	Trench Sump	Pond Dugout	Construction	Dewatering Construction	12,000	24	9,100,000	365	18 453120 5017340
2	Miscellaneous Ponds	Pond Dugout	Construction	Dewatering Construction	6,000	24	8,000,000	365	18 453120 5017340
3	Constructed Channel	Pond Dugout	Construction	Dewatering Construction	3,000	24	1,063,800	365	18 452770 5016800
Total Taking:							18,163,800		

4. Monitoring

- 4.1 The Permit Holder shall maintain a record of all water takings. This record shall include the dates and times of water takings, the rates of taking and an estimated calculation of the total amounts of water taken per day for each day that water is taken under the authorization of this Permit. A separate record shall be maintained for each source. The Permit Holder shall keep all required records up to date and available at or near the site of the taking and shall produce the records immediately for inspection by a Provincial Officer upon his or her request.
- 4.2 The Permit Holder shall carry out the monitoring and reporting requirements as stipulated in the following conditions of the permit.
- 4.3 Those on-site monitoring wells identified as; BH13-24A, BH13-24B, BH13-32A, BH13-32B, BH13-33A, BH13-33B, BH14-34A, BH14-34B shall be maintained with data loggers installed to measure water levels for the duration of the permit. Groundwater monitoring wells at locations 03-7, 03-8, 03-9, 09-11 and 97-2 located in the Leitrim Wetland and developed in association with the Findlay Creek Development must be maintained with data loggers installed. The locations of all monitoring wells are identified in Figure 2 of Item 3 in Schedule A of this Permit.

- 4.4 Should any of the eight (8) on-site groundwater monitoring wells and/or data loggers become inoperable and cannot be repaired, they shall be replaced in a manner that is approved by the Director. Should access no longer be granted to monitor those five (5) off-site groundwater monitoring well locations associated with the Findlay Creek Development, the Director should be notified within seven (7) days and a suitable alternative monitoring plan shall be proposed.
- 4.5 Data from groundwater monitoring wells shall be collected and reviewed at the frequency specified below. The trigger elevations for each groundwater monitoring well are listed on page 20 of Item 3 of Schedule A of this Permit. Bedrock monitors BH13-24A and BH14-34A shall be used for monitoring purposes only and have no corresponding trigger elevation.
- a) During any month when no groundwater takings occur from Source 1 of the permit, the Permit Holder shall collect and review the logged results of groundwater elevation monitoring from all groundwater monitoring wells once a month.
- b) If the Permit Holder intends to take water from the trench sump for the first time during a month when no water was taken the previous month, the Permit Holder shall collect and review the logged results of groundwater elevation monitoring for all groundwater monitoring wells prior to the taking of any water. If groundwater elevations are greater than 0.1 metres above the respective trigger elevations at the respective monitoring wells, the Permit Holder may commence taking water and shall continue to collect and review the logged results of groundwater elevations from all groundwater monitoring wells at a biweekly (every two weeks) frequency. This shall continue until either the Permit Holder does not take any water during a month, in which case the frequency shall return to that stipulated by a) above, or monitoring shall continue at a biweekly frequency only for those wells to which c) below does not apply, or d) below applies.
- c) If monitoring data obtained under b) above indicates that groundwater elevations are equal to or less than 0.1 metres above the respective trigger elevations at any one or more of the monitoring well(s), the Permit Holder shall collect and review the logged results of the groundwater elevation monitoring at a weekly frequency at those affected monitoring wells until either the groundwater elevations return to greater than 0.1 metres above the respective trigger elevations or until a) or d) apply.
- d) If the monitoring data reviewed under either b) or c) above indicates that the groundwater levels have fallen below the trigger elevations at any monitoring well, groundwater takings as per Source 1 in Table A of Condition 3.2 shall cease and the Director shall be notified in writing by electronic mail within seven (7) days. Groundwater taking shall not resume until groundwater elevations at all monitoring wells are equal to or above the respective trigger elevations. Groundwater levels at all monitoring wells shall be collected two (2) days after any resumption of water taking to ensure the water levels have not fallen below their respective trigger elevations. If after two (2) days the water levels remain above the respective trigger elevations at all respective monitoring wells, monitoring as per a), b) or c) above may resume.

e) The Permit Holder may submit a request in writing to the Director to adjust the established groundwater trigger elevations for those monitors located at the site, should they be found to not accurately represent natural groundwater elevations.

- 4.6 Notwithstanding Condition 4.5 d), groundwater taking as per Source 1 in Table A of Condition 3.2 at the site may resume if it can be demonstrated to the satisfaction of the Director that groundwater level lowering is not as a result of the takings authorized by this permit and that continued taking will not interfere with groundwater level recovery.
- 4.7 Notwithstanding Condition 4.5 and 4.6, in the event that the Monitoring Program required by this Permit to Take Water indicates that a potential adverse impact is occurring or has occurred within the Leitrim Provincially Significant Wetland (PSW), as determined in comparison to baseline conditions, the Permit Holder shall submit a technical analysis of the cause(s) of such impact to the Director for review within seven (7) days of the discovery of the impact. The Director will review the submission and may consult with the Permit Holder during the Director's review, which may involve other agencies or persons as decided by the Director. If the Director determines that water-taking by the Permit Holder is the cause of the adverse impact, the Permit Holder will identify appropriate mitigation measures to the satisfaction of the Director to be implemented in order to mitigate the adverse impact, which may include reducing or ceasing the taking of water.

For the purpose for this condition 4.7, "potential adverse impact" is defined as reductions in groundwater elevations below the trigger levels in any overburden monitors located within the PSW that are sustained for a period of one month after Source 1 pumping ceases, and that are interpreted to be as a result of pumping from Source 1.

- 4.8 A new surface water sampling station (designated as SW-10) shall be established on Findlay Creek upstream of the confluence of the stormwater pond outlet and Findlay Creek.
- 4.9 The Permit Holder shall continuously measure temperature and conduct weekly sampling for Total Suspended Solids (TSS) at stations SW-4, SW-5 and SW-10 during periods of discharge to the stormwater sewer system during water taking from Source 1.
- 4.10 Reporting
The Permit Holder shall prepare an annual report and submit copies to the Ministry's Ottawa District Office within 60 days at the end of each calendar year. This report will, as a minimum, provide a summary of the water taking activities for each calendar year, report on all data obtained and provide an interpretation including comparison to historical data, any suggested modifications to the monitoring programs, and an assessment of the need for any mitigation measures for the adverse impacts related to the water takings and a description of any such measures.
- 4.11 Leitrim Wetland Monitoring Program
The Permit Holder shall conduct aerial imagery of the Leitrim Wetland and vicinity in September or October of the years 2018/2019 and 2024.

- 4.12 The aerial imagery in Condition 4.11 may be obtained from a dedicated photographic mission or from general surveys conducted in the area of the Findlay Creek development. Current and historical imagery will also be obtained to permit the assessment of historical change in the wetland and allow comparison to changes in the wetland area, size and extent of plant communities and principal drainage features throughout the life of the Permit.
- 4.13 The Permit Holder will conduct a fixed-point photographic survey of vegetation at fixed monitoring points along a transect line as depicted in Figure MP-1 (Item 1, Schedule A of this Permit) during the height of the growing season using the photographic protocols described in the Technical Memorandum dated January 7, 2015 entitled Photographic Protocols Photomonitoring Program, Remer Lands” from Caitlin Cooke, M. Sc., P. Geo., Hydrogeologist, Golder Associates Ltd., to Peter Taylor, PTTW Director, Ministry of the Environment and Climate Change (Item 2, Schedule A of this Permit).
- 4.14 The Permit Holder will ensure that the transect referred to in Condition 4.13 extends for a distance of approximately 400 metres (150 metres west and then 250 metres north) into the wetland from the base of the property line near BH 13-24 at the northwest section as shown in Figure MP-1 (Item 1, Schedule A of this Permit). The transect will be 2 metres wide and compositional data will be collected from one metre on either side of the transect centre line.
- 4.15 The Permit Holder shall collect vegetation inventory data for each 10 metre segment of the transect.
- 4.16 The Permit Holder shall at approximately 100 metre intervals along the transect described in Conditions 4.13 and 4.14 establish a fixed plot sampling location that is 10 metres X 10 metres in a relatively homogeneous vegetation stand that represents a single plant community type or a homogeneous mosaic of community types. The corners of the plot will be geo-referenced and marked with a permanent stake.
- 4.17 The Permit Holder shall within each plot established in Condition 4.16 conduct a full inventory of vascular plants. Once the composition of each plot is established, the Permit Holder will randomly place five, 1 metre X 1 metre plots within the 10 metre X 10 metre plots. Within each 1 metre X 1 metre plot the cover representation of each species including mosses will be estimated as well as dead vegetation, water and bare substrate. Within each 1 metre X 1 metre plot, the vegetation structure will also be identified including discernible strata, maximum height of those strata and general density of each stratum.
- 4.18 The Permit Holder shall conduct the first vegetation inventory and assessment in 2015 (previously conducted) and every three years following: 2018/2019, 2021 and 2024.

5. Impacts of the Water Taking

5.1 Notification

The Permit Holder shall immediately notify the local District Office of any complaint arising from the taking of water authorized under this Permit and shall report any action which has been taken or is proposed with regard to such complaint. The Permit Holder shall immediately notify the local District Office if the taking of water is observed to have any significant impact on the surrounding waters. After hours, calls shall be directed to the Ministry's Spills Action Centre at 1-800-268-6060.

5.2 For Surface-Water Takings

The taking of water (including the taking of water into storage and the subsequent or simultaneous withdrawal from storage) shall be carried out in such a manner that streamflow is not stopped and is not reduced to a rate that will cause interference with downstream uses of water or with the natural functions of the stream.

For Groundwater Takings

If the taking of water is observed to cause any negative impact to other water supplies obtained from any adequate sources that were in use prior to initial issuance of a Permit for this water taking, the Permit Holder shall take such action necessary to make available to those affected, a supply of water equivalent in quantity and quality to their normal takings, or shall compensate such persons for their reasonable costs of so doing, or shall reduce the rate and amount of taking to prevent or alleviate the observed negative impact. Pending permanent restoration of the affected supplies, the Permit Holder shall provide, to those affected, temporary water supplies adequate to meet their normal requirements, or shall compensate such persons for their reasonable costs of doing so.

If permanent interference is caused by the water taking, the Permit Holder shall restore the water supplies of those permanently affected.

5.3 Prevention of Structural Adverse Effects

The Permit Holder shall take all measures necessary to prevent damage to buildings, bridges, structures, roads and/or railway lines that may be impacted either directly or indirectly by this taking.

5.4 Prevention of Adverse Effects

The Permit Holder shall ensure the taking of water under authority of this Permit does not result in an adverse effect in area waters.

5.5 Takings from Source 1 (Trench Sump) and Source 2 (Miscellaneous Ponds)

The Permit Holder shall divert all water that is required to be dewatered resulting from construction activities to the stormwater sewer system.

5.6 Discharge of Water to the Sanitary or Storm Sewer System

The Permit Holder shall ensure that any water taken for dewatering purposes and discharged to the City of Ottawa sewer system is done so in accordance with the City of Ottawa Sewer Use Program.

6. **Director May Amend Permit**

The Director may amend this Permit by letter requiring the Permit Holder to suspend or reduce the taking to an amount or threshold specified by the Director in the letter. The suspension or reduction in taking shall be effective immediately and may be revoked at any time upon notification by the Director. This condition does not affect your right to appeal the suspension or reduction in taking to the Environmental Review Tribunal under the *Ontario Water Resources Act* , Section 100 (4).

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is included to ensure that the conditions in this Permit are complied with and can be enforced.
2. Condition 2 is included to clarify the legal interpretation of aspects of this Permit.
3. Conditions 3 through 6 are included to protect the quality of the natural environment so as to safeguard the ecosystem and human health and foster efficient use and conservation of waters. These conditions allow for the beneficial use of waters while ensuring the fair sharing, conservation and sustainable use of the waters of Ontario. The conditions also specify the water takings that are authorized by this Permit and the scope of this Permit.

*In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, you may by written notice served upon me, the Environmental Review Tribunal and the Environmental Commissioner, **Environmental Bill of Rights**, R.S.O. 1993, Chapter 28, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 101 of the Ontario Water Resources Act, as amended provides that the Notice requiring a hearing shall state:*

1. The portions of the Permit or each term or condition in the Permit in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

In addition to these legal requirements, the Notice should also include:

- a. The name of the appellant;
- b. The address of the appellant;
- c. The Permit to Take Water number;
- d. The date of the Permit to Take Water;
- e. The name of the Director;
- f. The municipality within which the works are located;

This notice must be served upon:

*The Secretary
Environmental Review Tribunal
655 Bay Street, 15th Floor
Toronto ON
M5G 1E5
Fax: (416) 326-5370
Email:
ERTTribunalsecretary@ontario.ca*

AND

*The Environmental Commissioner
1075 Bay Street
6th Floor, Suite 605
Toronto, Ontario M5S 2W5*

AND

*The Director, Section 34.1,
Ministry of the Environment,
Conservation and Parks
1259 Gardiners Rd, PO Box
22032
Kingston, ON
K7P 3J6*

Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal:

by Telephone at
(416) 212-6349

Toll Free 1(866) 448-2248

by Fax at

(416) 326-5370

Toll Free 1(844) 213-3474

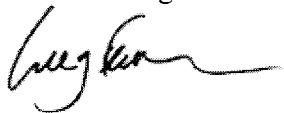
by e-mail at

www.ert.gov.on.ca

*This instrument is subject to Section 38 of the **Environmental Bill of Rights** that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek to appeal for 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry, you can determine when the leave to appeal period ends.*

This Permit cancels and replaces Permit Number 4540-9S2L6Y, issued on 2015/01/13.

Dated at Kingston this 9th day of April, 2019.



Greg Faaren

Director, Section 34.1
Ontario Water Resources Act , R.S.O. 1990

Schedule A

This Schedule "A" forms part of Permit To Take Water 3480-BALRD9, dated April 9, 2019.

Item 1 - Figure MP-1 entitled "Vegetation Monitoring Component" dated January 7, 2015 and prepared by Golder Associates for the Category 3 PTTW Application Remer Lands provided on page 3 of the Technical Memo dated January 7, 2015, entitled "Photographic Protocols, Photomonitoring Program, Remer Lands" from Caitlin Cooke, M. Sc., P. Geo., Hydrogeologist, Golder Associates Ltd., to Peter Taylor, PTTW Director, Ministry of the Environment and Climate Change.

Item 2 - Technical Memo dated January 7, 2015, entitled "Photographic Protocols, Photomonitoring Program, Remer Lands" from Caitlin Cooke, M. Sc., P. Geo., Hydrogeologist, Golder Associates Ltd., to Peter Taylor, PTTW Director, Ministry of the Environment and Climate Change.

Item 3 - Technical Report titled "Hydrogeological Study in Support of a Category 3 Application for a Permit to Take Water, Remer Lands, Ottawa, Ontario" prepared by Golder Associates Limited and dated September 2014.

AMENDED PERMIT TO TAKE WATER
Surface and Ground Water
NUMBER 0233-C98LEM

Pursuant to Section 34.1 of the Ontario Water Resources Act, R.S.O. 1990 this Permit To Take Water is hereby issued to:

Leitrim South Holdings Inc.
1737 Woodward Dr
Ottawa, Ontario, K2C 0P9
Canada

For the water taking from: Trench Sump,
Miscellaneous Ponds,
Constructed Channel

Located at: Lot 21 & 22, Concession 4 from Rideau River, Geographic Township of Gloucester
Ottawa

For the purposes of this Permit, and the terms and conditions specified below, the following definitions apply:

DEFINITIONS

- (a) "Director" means any person appointed in writing as a Director pursuant to section 5 of the OWRA for the purposes of section 34.1, OWRA.
- (b) "Provincial Officer" means any person designated in writing by the Minister as a Provincial Officer pursuant to section 5 of the OWRA.
- (c) "Ministry" means Ontario Ministry of the Environment, Conservation and Parks.
- (d) "District Office" means the Ottawa District Office.
- (e) "Permit" means this Permit to Take Water No. 0233-C98LEM including its Schedules, if any, issued in accordance with Section 34.1 of the OWRA.
- (f) "Permit Holder" means Leitrim South Holdings Inc..
- (g) "OWRA " means the *Ontario Water Resources Act*, R.S.O. 1990, c. O. 40, as amended.

(h) “District Manager” means the Ottawa District Manager. Any communications to the District Manager required under the conditions of this Permit shall be made to MOEOttawa@ontario.ca.

You are hereby notified that this Permit is issued subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. Compliance with Permit

- 1.1 Except where modified by this Permit, the water taking shall be in accordance with the application for this Permit To Take Water, dated December 19, 2018 and signed by David Kardish, and all Schedules included in this Permit.
- 1.2 The Permit Holder shall ensure that any person authorized by the Permit Holder to take water under this Permit is provided with a copy of this Permit and shall take all reasonable measures to ensure that any such person complies with the conditions of this Permit.
- 1.3 Any person authorized by the Permit Holder to take water under this Permit shall comply with the conditions of this Permit.
- 1.4 This Permit is not transferable to another person.
- 1.5 This Permit provides the Permit Holder with permission to take water in accordance with the conditions of this Permit, up to the date of the expiry of this Permit. This Permit does not constitute a legal right, vested or otherwise, to a water allocation, and the issuance of this Permit does not guarantee that, upon its expiry, it will be renewed.
- 1.6 The Permit Holder shall keep this Permit available at all times at or near the site of the taking, and shall produce this Permit immediately for inspection by a Provincial Officer upon his or her request.
- 1.7 The Permit Holder shall report any changes of address to the Director within thirty days of any such change. The Permit Holder shall report any change of ownership of the property for which this Permit is issued within thirty days of any such change. A change in ownership in the property shall cause this Permit to be cancelled.

2. General Conditions and Interpretation

- 2.1 Inspections
The Permit Holder must forthwith, upon presentation of credentials, permit a Provincial Officer to carry out any and all inspections authorized by the OWRA, the *Environmental Protection Act*, R.S.O. 1990, the *Pesticides Act*, R.S.O. 1990, or the *Safe Drinking Water Act*, S. O. 2002.
- 2.2 Other Approvals
The issuance of, and compliance with this Permit, does not:
 - (a) relieve the Permit Holder or any other person from any obligation to comply with any other

applicable legal requirements, including the provisions of the *Ontario Water Resources Act* , and the *Environmental Protection Act* , and any regulations made thereunder; or

(b) limit in any way any authority of the Ministry, a Director, or a Provincial Officer, including the authority to require certain steps be taken or to require the Permit Holder to furnish any further information related to this Permit.

2.3 Information

The receipt of any information by the Ministry, the failure of the Ministry to take any action or require any person to take any action in relation to the information, or the failure of a Provincial Officer to prosecute any person in relation to the information, shall not be construed as:

(a) an approval, waiver or justification by the Ministry of any act or omission of any person that contravenes this Permit or other legal requirement; or

(b) acceptance by the Ministry of the information's completeness or accuracy.

2.4 Rights of Action

The issuance of, and compliance with this Permit shall not be construed as precluding or limiting any legal claims or rights of action that any person, including the Crown in right of Ontario or any agency thereof, has or may have against the Permit Holder, its officers, employees, agents, and contractors.

2.5 Severability

The requirements of this Permit are severable. If any requirements of this Permit, or the application of any requirements of this Permit to any circumstance, is held invalid or unenforceable, the application of such requirements to other circumstances and the remainder of this Permit shall not be affected thereby.

2.6 Conflicts

Where there is a conflict between a provision of any submitted document referred to in this Permit, including its Schedules, and the conditions of this Permit, the conditions in this Permit shall take precedence.

3. Water Takings Authorized by This Permit

3.1 Expiry

This Permit expires on **December 22, 2024**. No water shall be taken under authority of this Permit after the expiry date.

3.2 Amounts of Taking Permitted

The Permit Holder shall only take water from the source, during the periods and at the rates and amounts of taking specified in Table A. Water takings are authorized only for the purposes specified in Table A.

Table A

	Source Name / Description:	Source: Type:	Taking Specific Purpose:	Taking Major Category:	Max. Taken per Minute (litres):	Max. Num. of Hrs Taken per Day:	Max. Taken per Day (litres):	Max. Num. of Days Taken per Year:	Zone/ Easting/ Northing:
1	Trench Sump	Pond Dugout	Construction	Dewatering Construction	12,000	24	9,100,000	365	18 453120 5017340
2	Miscellaneous Ponds	Pond Dugout	Construction	Dewatering Construction	6,000	24	8,000,000	365	18 453120 5017340
Total Taking:							17,100,000		

4. Monitoring

- 4.1 Under section 9 of O. Reg. 387/04, and as authorized by subsection 34(6) of the *Ontario Water Resources Act*, the Permit Holder shall, on each day water is taken under the authorization of this Permit, record the date, the volume of water taken on that date and the rate at which it was taken. The daily volume of water taken shall be measured by a flow meter or calculated in accordance with the method described in the application for this Permit, or as otherwise accepted by the Director. The Permit Holder shall keep all records required by this condition current and available at or near the site of the taking and shall produce the records immediately for inspection by a Provincial Officer upon his or her request. The Permit Holder, unless otherwise required by the Director, shall submit, on or before March 31st in every year, the records required by this condition to the Ministry's Water Taking Reporting System.
- 4.2 The Permit Holder shall carry out the monitoring and reporting requirements as stipulated in the following conditions of the permit.
- 4.3 The existing groundwater monitoring network consists of monitors BH13-24A, BH13-24B, BH13-32A, BH13-32B, BH13-33A, BH13-33B, BH14-34A, BH14-34B, DP20-1, DP20-02, DP20-03, DP20-04, DP20-05, DP20-06, and DP21-07. The locations of all existing groundwater monitors are identified in Item 3 of Schedule A.
- 4.4 Two additional shallow groundwater monitors are to be installed at the site. One of the monitors is to be located approximately halfway between monitors DP20-02 and DP20-07 and to be identified as DP21-08. One of the monitors is to be installed approximately 100 metres north of monitor BH13-32 and is to be identified as DP21-09. The District Manager is to be provided with the installation details and location of the monitors once they have been installed. No water takings may occur from Source 1 of this permit until monitors DP21-08 and DP21-09 have been installed.
- 4.5 For the duration of the Permit, dataloggers shall be installed and maintained at groundwater monitors BH13-24A, BH13-24B, BH13-32A, BH13-32B, BH13-33A, BH13-33B, BH14-34A, BH13-34B, DP20-02, DP20-04, DP20-06, DP21-07, DP21-08 (once installed), and DP21-09 (once installed) with groundwater levels measured and recorded at an hourly frequency.

- 4.6 If any of the DP-labelled monitors (as identified in conditions 4.3 and 4.4) go dry during water taking activities (the water level falls below the bottom of the monitor and a manual water level cannot be collected), the monitor should either be deepened to an appropriate depth or a replacement monitor of greater depth installed. This work should be completed as soon as reasonably practical. If this action is not completed in a reasonable period of time, the District Manager may require additional contingency actions to be taken that could include alteration of the pumping activities or requiring pumping to cease.
- 4.7 Should any of the dataloggers identified in Condition 4.5 become inoperable due to malfunction they shall be replaced as soon as reasonably possible. If malfunctions are identified during a period when pumping is occurring, daily manual water level measurements should be taken until such time as the malfunctioning data logger has been replaced.
- 4.8 Groundwater monitoring data shall be collected and reviewed at the frequency specified below.
- a) During any month when no groundwater takings occur from Source 1 of this Permit, the Permit Holder shall collect and review the logged groundwater level data from those groundwater monitors identified in condition 4.5 and manual water level readings from all groundwater monitors (as identified in conditions 4.3 and 4.4) once per month.
 - b) If the Permit Holder intends to take water from Source 1 of this permit for the first time during a month when no water was taken from Source 1 during the previous month, the permit holder shall collect and review the logged groundwater level data from those groundwater monitors identified in condition 4.5 and collect manual water level readings from all groundwater monitors (as identified in conditions 4.3 and 4.4) prior to the taking of any water. This data should be reviewed, and trigger levels should be developed and accepted by the District Manager for groundwater monitors BH13-32B and BH13-33B, prior to the taking of water from Source 1. If the Permit Holder feels that a previously approved trigger value under this condition is no longer valid, they can make a request to the District Manager to amend the trigger value.
 - c) Once water takings occur from Source 1 of this Permit, the Permit Holder shall collect and review the logged groundwater level data from those groundwater monitors identified in condition 4.5 and manual water level readings from all groundwater monitors (as identified in conditions 4.3 and 4.4) once per week. A monthly monitoring report shall be prepared and provided to the District Manager during periods when pumping is occurring from Source 1. The report shall include and assess all water level data, water taking data, precipitation data, and any other relevant data. The report should compare the identified drawdowns to those predicted and recommend contingency actions if appropriate. The monitoring and reporting frequencies stipulated under this condition shall be adhered to until such time that water takings are no longer occurring from Source 1.
 - d) If water takings are occurring from Source 1 of this Permit, and water levels at BH13-32B drop below the trigger elevation as established under condition 4.8(b), manual water levels shall be collected and reviewed daily at groundwater monitors BH13-32B, DP21-07, DP21-08, and DP21-09. The reporting frequency as detailed in condition 4.8(c) is to increase to weekly. These requirements are in addition to the monitoring requirements required under condition 4.8(c) and shall continue until such time that water levels are no longer below the trigger elevation for at least 2 consecutive days.

- e) If water takings are occurring from Source 1 of this Permit, and water levels at BH13-33B drop below the trigger elevation as established under condition 4.8(b), manual water levels shall be collected and reviewed daily at groundwater monitors BH13-33B, DP20-01, and DP20-02. The reporting frequency as detailed in condition 4.8(c) is to increase to weekly. These requirements are in addition to the monitoring requirements required under condition 4.8(c) and shall continue until such time that water levels are no longer below the trigger elevation for at least 2 consecutive days.
- 4.9 If water takings from Source 1 are to be completed using a groundwater dewatering wellpoint system (wellpoint system), the District Manager is to be notified and provided with a dewatering plan at least 72 hours prior to the system being operated. The dewatering plan shall include the system design details and provide the details of any supplementary monitoring that will be completed during the operation of the wellpoint system. If a wellpoint dewatering system is used, the District Manager may require additional groundwater monitoring and reporting to be completed and could require changes to the dewatering plan.
- 4.10 If the Permit Holder or their representatives become aware that groundwater drawdowns are present at monitors DP20-03 and/or DP20-05 and are interpreted to be the result of or contributed to by water takings associated with this Permit, regardless of magnitude, they shall notify the District Manager within 24 hours and manual water levels shall be collected and reviewed daily at monitors DP20-03, DP20-04, DP20-05, and DP20-06. The reporting frequency as detailed in condition 4.8(c) is to increase to weekly. These requirements are in addition to the monitoring requirements required under condition 4.8(c) and shall continue until such time that pumping related drawdowns are no longer interpreted to be present at DP20-03 and DP20-05.
- 4.11 If the Permit Holder or their representatives become aware that groundwater drawdowns are present at monitors DP20-04 and/or DP20-06 and are interpreted to be the result of or contributed to by water takings associated with this Permit, regardless of magnitude, they shall notify the District Manager within 24 hours, and prepare and provide a Contingency Action Plan as soon as reasonably possible. The Contingency Action Plan shall consider the need for actions such as (but not necessarily limited to): increased monitoring and reporting frequency, the assessment of surface water conditions within the Casino Wetland, development and implementation of a monitoring program within the Casino Wetland, and/or alterations to the water taking strategy (which may include a need to reduce or cease pumping). Once approved by the District Manager, the Contingency Action Plan shall be implemented within the timelines to be provided by the District Manager. The District Manager may provide additional requirements in addition to those proposed in the Contingency Action Plan at their discretion.
- 4.12 If it becomes apparent that the actual drawdowns occurring at the site exceed those predicted, the District Manager may require that an updated impact assessment be completed, and may require contingency actions to be taken prior to or after reviewing the Contingency Action Plan, and may include alterations to the water taking activities and potentially to cease pumping.
- 4.13 Water takings from Source 1 of this Permit shall only occur during periods when the vegetation

in the Leitrim Wetland and Casino Wetland are dormant, as verified by an appropriately qualified wetland ecologist.

- 4.14 The Permit Holder shall conduct a survey of the wetland area located within 300 metres of the proposed locations where water takings are to occur for Source 1 and where property access can be obtained. The survey should identify any locations where ponded surface water, surface water channels, and suspected groundwater discharge areas are present. The survey should be completed by an appropriately qualified person.
- 4.15 Where practical to do so staff gauges and data loggers shall be installed in all surface water features identified by the assessment required under condition 4.14 and deemed to be significant (as determined by the Permit Holder and accepted by the District Manager). All staff gauges and dataloggers should be installed prior to pumping from Source 1 to allow for sufficient baseline data to be collected. All staff gauges installed shall be surveyed to a local elevation datum. The data loggers shall be set to measure water depth, temperature and dissolved oxygen at a frequency of every 3 hours, or an alternate frequency if approved by the District Manager.
- 4.16 The findings of the wetland assessment required under condition 4.14 and the details of all staff gauge and data loggers installed under condition 4.15 are to be summarized in a report and provided to the District Manager for review. No water takings are to occur from Source 1 until the District Manager has confirmed that those actions required under conditions 4.14 and 4.15 have been completed to their satisfaction.
- 4.17 During periods when water is being taken from Source 1, the dataloggers identified in condition 4.15 are to be downloaded weekly. Staff gauge readings and photographs are to be taken every time the dataloggers are downloaded. The results are to be analyzed and provided to the District Manager for review on a weekly basis.
- 4.18 Reporting
The Permit Holder shall prepare an annual report and submit copies to the Ministry's Ottawa District Office within 60 days at the end of each calendar year. This report will, as a minimum, provide a summary of the water taking activities for each calendar year, report on all data obtained and provide an interpretation including comparison to historical data, any suggested modifications to the monitoring programs, and an assessment of the need for any mitigation measures for the adverse impacts related to the water takings and a description of any such measures.
- 4.19 Leitrim Wetland Monitoring Program
The Permit Holder shall conduct aerial imagery of the Leitrim Wetland and vicinity in September or October of the years 2018/2019, 2021 and 2024.
- 4.20 The aerial imagery in Condition 4.19 may be obtained from a dedicated photographic mission or from general surveys conducted in the area of the Findlay Creek development. Current and historical imagery will also be obtained to permit the assessment of historical change in the wetland and allow comparison to changes in the wetland area, size and extent of plant communities and principal drainage features throughout the life of the Permit.

- 4.21 The Permit Holder will conduct a fixed-point photographic survey of vegetation at fixed monitoring points along a transect line as depicted in Figure MP-1 (Item 1, Schedule A of this Permit) during the height of the growing season using the photographic protocols described in the Technical Memorandum dated January 7, 2015 entitled Photographic Protocols Photomonitoring Program, Remer Lands” from Caitlin Cooke, M. Sc., P. Geo., Hydrogeologist, Golder Associates Ltd., to Peter Taylor, PTTW Director, Ministry of the Environment and Climate Change (Item 2, Schedule A of this Permit).
- 4.22 The Permit Holder will ensure that the transect referred to in Condition 4.21 extends for a distance of approximately 400 metres (150 metres west and then 250 metres north) into the wetland from the base of the property line near BH 13-24 at the northwest section as shown in Figure MP-1 (Item 1, Schedule A of this Permit). The transect will be 2 metres wide and compositional data will be collected from one metre on either side of the transect centre line.
- 4.23 The Permit Holder shall collect vegetation inventory data for each 10 metre segment of the transect.
- 4.24 The Permit Holder shall at approximately 100 metre intervals along the transect described in Conditions 4.21 and 4.22 establish a fixed plot sampling location that is 10 metres X 10 metres in a relatively homogeneous vegetation stand that represents a single plant community type or a homogeneous mosaic of community types. The corners of the plot will be geo-referenced and marked with a permanent stake.
- 4.25 The Permit Holder shall within each plot established in Condition 4.24 conduct a full inventory of vascular plants. Once the composition of each plot is established, the Permit Holder will randomly place five, 1 metre X 1 metre plots within the 10 metre X 10 metre plots. Within each 1 metre X 1 metre plot the cover representation of each species including mosses will be estimated as well as dead vegetation, water and bare substrate. Within each 1 metre X 1 metre plot, the vegetation structure will also be identified including discernible strata, maximum height of those strata and general density of each stratum.
- 4.26 The Permit Holder shall conduct the first vegetation inventory and assessment in 2015 (previously conducted) and every three years following: 2018/2019, 2021 and 2024.

5. Impacts of the Water Taking

5.1 Notification

The Permit Holder shall immediately notify the local District Office of any complaint arising from the taking of water authorized under this Permit and shall report any action which has been taken or is proposed with regard to such complaint. The Permit Holder shall immediately notify the local District Office if the taking of water is observed to have any significant impact on the surrounding waters. After hours, calls shall be directed to the Ministry's Spills Action Centre at 1-800-268-6060.

5.2 For Surface-Water Takings

The taking of water (including the taking of water into storage and the subsequent or simultaneous withdrawal from storage) shall be carried out in such a manner that streamflow is not stopped and is not reduced to a rate that will cause interference with downstream uses of water or with the natural functions of the stream.

For Groundwater Takings

If the taking of water is observed to cause any negative impact to other water supplies obtained from any adequate sources that were in use prior to initial issuance of a Permit for this water taking, the Permit Holder shall take such action necessary to make available to those affected, a supply of water equivalent in quantity and quality to their normal takings, or shall compensate such persons for their reasonable costs of so doing, or shall reduce the rate and amount of taking to prevent or alleviate the observed negative impact. Pending permanent restoration of the affected supplies, the Permit Holder shall provide, to those affected, temporary water supplies adequate to meet their normal requirements, or shall compensate such persons for their reasonable costs of doing so.

If permanent interference is caused by the water taking, the Permit Holder shall restore the water supplies of those permanently affected.

5.3 Prevention of Structural Adverse Effects

The Permit Holder shall take all measures necessary to prevent damage to buildings, bridges, structures, roads and/or railway lines that may be impacted either directly or indirectly by this taking.

5.4 Prevention of Adverse Effects

The Permit Holder shall ensure the taking of water under authority of this Permit does not result in an adverse effect in area waters.

5.5 Takings from Source 1 (Trench Sump) and Source 2 (Miscellaneous Ponds)

The Permit Holder shall divert all water that is required to be dewatered resulting from construction activities to the stormwater sewer system.

5.6 Discharge of Water to the Sanitary or Storm Sewer System

The Permit Holder shall ensure that any water taken for dewatering purposes and discharged to the City of Ottawa sewer system is done so in accordance with the City of Ottawa Sewer Use Program.

6. Director May Amend Permit

The Director may amend this Permit by letter requiring the Permit Holder to suspend or reduce the taking to an amount or threshold specified by the Director in the letter. The suspension or reduction in taking shall be effective immediately and may be revoked at any time upon notification by the Director. This condition does not affect your right to appeal the suspension or reduction in taking to the Ontario Land Tribunal under the *Ontario Water Resources Act*, Section 100 (4).

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is included to ensure that the conditions in this Permit are complied with and can be enforced.
2. Condition 2 is included to clarify the legal interpretation of aspects of this Permit.
3. Conditions 3 through 6 are included to protect the quality of the natural environment so as to safeguard the ecosystem and human health and foster efficient use and conservation of waters. These conditions allow for the beneficial use of waters while ensuring the fair sharing, conservation and sustainable use of the waters of Ontario. The conditions also specify the water takings that are authorized by this Permit and the scope of this Permit.

In accordance with Section 100 of the *Ontario Water Resources Act, R.S.O. 1990*, you may by written notice served upon me and the Ontario Land Tribunal within 15 days after receipt of this notice, require a hearing by the Tribunal. Section 101 of the *Ontario Water Resources Act, R.S.O. 1990*, as amended, provides that the notice requiring the hearing ("the Notice") shall state:

1. The portions of the Permit or each term or condition in the Permit in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

In addition to these legal requirements, the Notice should also include:

- a. The name of the appellant;
- b. The address of the appellant;
- c. The Permit to Take Water number;
- d. The date of the Permit to Take Water;
- e. The name of the Director;
- f. The municipality within which the works are located;

This notice must be served upon:

Registrar*
Ontario Land Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5
OLT.Registrar@ontario.ca

AND

The Director, Section 34.1,
Ministry of the Environment, Conservation
and Parks
Floor 1, 135 St Clair Ave W
Toronto, ON
M4V 1P5

*** Further information on the Ontario Land Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: (416) 212-6349 or 1 (866) 448-2248, or www.olt.gov.on.ca.**

This Permit cancels and replaces Permit Number 3480-BALRD9, issued on 2019/04/09.

Dated at Toronto this 7th day of December, 2021.



Gregory Meek
Director, Section 34.1
Ontario Water Resources Act, R.S.O. 1990

Schedule A

This Schedule "A" forms part of Permit To Take Water 0233-C98LEM, dated December 7, 2021.

1. Figure MP-1 entitled "Vegetation Monitoring Component" dated January 7, 2015 and prepared by Golder Associates for the Category 3 PTTW Application Remer Lands provided on page 3 of the Technical Memo dated January 7, 2015, entitled "Photographic Protocols, Photomonitoring Program, Remer Lands" from Caitlin Cooke, M. Sc., P. Geo., Hydrogeologist, Golder Associates Ltd., to Peter Taylor, PTTW Director, Ministry of the Environment and Climate Change.
2. Technical Memo dated January 7, 2015, entitled "Photographic Protocols, Photomonitoring Program, Remer Lands" from Caitlin Cooke, M. Sc., P. Geo., Hydrogeologist, Golder Associates Ltd., to Peter Taylor, PTTW Director, Ministry of the Environment and Climate Change.
3. Figure 1 from the Technical Memorandum titled "Assessment of Potential Wetland Impacts During Temporary Dewatering Phase 3 Pathways Residential Development, Ottawa, Ontario, PTTW No. 3480-BALRD9" prepared by Golder Associates Ltd. and dated September 29, 2021.

**Ministry of the Environment,
Conservation and Parks**

Environmental Assessment and
Permissions Division
Brownfields and Permit to Take Water
Permit To Take Water Unit
Floor 1, 135 St Clair Ave W
Toronto, ON
M4V 1P5
Tel: (416) 314-7040

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

Division des évaluations et des
permissions environnementales
Réaménagement des friches
contaminées et réglementation des
prélèvements d'eau
Unité de la réglementation des
prélèvements d'eau
1er étage, 135 av St. Clair O
Toronto, ON
M4V 1P5
Tél:(416) 314-7040



December 7, 2021

Leitrim South Holdings Inc.
1737 Woodward Dr
Ottawa, Ontario, K2C 0P9
Canada

Attn: David Kardish:

RE: Permit To Take Water No.0233-C98LEM
4800 Bank Street
Ottawa
Reference Number 0635-C8M4Y9

Please find attached a Permit to Take Water which authorizes the withdrawal of water in accordance with the application for this Permit to Take Water, dated December 19, 2021 and signed by David Kardish. This Permit cancels and replaces Permit No. 3480-BALRD9 issued on April 9, 2019.

This Permit expires on December 22, 2024.

Authorized rates and amounts are indicated on Table A. Section 9(3) of Ontario Regulation 387/04 (Water Taking and Transfer) requires all holders of a permit to report daily water taking amounts annually, in a manner and form approved by the Director (<https://www.lrcsde.lrc.gov.on.ca/wtrs/>). For the purpose of s. 9(3), such reports shall be submitted electronically to the Water Taking Reporting System (WTRS) electronic database or via hard copy, as described in the Technical Bulletin entitled "Permit to Take Water Program Monitoring and Reporting of Water Takings", dated August 2010 (<https://archive.org/details/std01079790.ome/mode/2up>).

If you have questions about reporting requirements, please call the WTRS Help Desk at 416-235-6322 (toll free: 1-877-344-2011) or by email, WTRSHelpdesk@ontario.ca. It is preferred that you submit your data directly and electronically to the WTRS. Where this is impracticable, please contact the WTRS Help Desk to arrange for written submission of your data.

Condition 1.4 specifically indicates that this Permit is not transferable to another party. Any queries regarding a change in owner/operator should be made to the Permit to Take Water Evaluator at the above address.

Take notice that in issuing this Permit, terms and conditions pertaining to the taking of water and to the results of the taking have been imposed. The terms and conditions have been designed to allow for the development of water resources, while providing reasonable protection to existing water uses and users.

Yours truly,

A handwritten signature in black ink, appearing to read 'G. Meek', written over a horizontal line.

Gregory Meek
Supervisor (Acting), Permit To Take Water
Director, Section 34.1, Ontario Water Resources Act, R.S.O. 1990
Environmental Permissions Branch

File Storage Number: -

DATE January 7, 2015

PROJECT No. 13-1121-0083/1070

TO Peter Taylor, Director
Ontario Ministry of the Environment and Climate ChangeCC Dana Cruikshank, MOECC
Steve Cunliffe, Regional Group

FROM Caitlin Cooke

EMAIL ccooke@golder.com

PHOTOGRAPHIC PROTOCOLS, PHOTOMONITORING PROGRAM, REMER LANDS

As a condition of a Permit to Take Water issued to allow water taking to occur during construction on the Remer lands, the Ministry of the Environment and Climate Change (MOECC) requires that a photomonitoring program be conducted in the Leitrim Core Wetland. Photo-monitoring is a relatively rapid and efficient means of documenting conditions at the time of the observations. This memo describes the photographic protocols that will be used during the photomonitoring sessions.

Fixed-point photomonitoring points will be established in the Leitrim Core Wetland along a vegetation transect line and be established at the same locations that are used for the fixed plot sampling of vegetation (see Figure MP-1). A technique described by Van Horn and Van Horn (1996)¹, known as quantitative photomonitoring, will be used for monitoring vegetation at fixed locations (marked with iron bars with flags) within the core wetland. The use of photographic technique provides a visual record of detectable changes over time. Examples of such changes include succession from a marsh or fen to a shrub thicket swamp community, invasion by alien species (e.g., Glossy Buckthorn *Rhamnus frangula*, Purple Loosestrife *Lythrum salicaria*) and prolonged inundation due to beaver activity. Quantitative photomonitoring provides some rigor to the sampling approach, but does not require extensive quantitative sampling that can be time consuming and expensive.

Plots comprise a reference post, against which a black and white density board is placed (used to estimate height and cover of vegetation to be photographed), and a photopoint post, on which the observer's camera is placed to ensure that photographs are taken from the same vantage point during each monitoring event. At each plot (photopoints), observations of vegetation will be made against the density board located at the reference post. Estimates of the fraction of each band covered by vegetation (including dead plants) will be made. Additional measurements and observations include height/species of dominant trees, shrubs and groundcover plants located between the photopoint and the density board, depth/location of any standing water,

¹ Van Horn, M., and Van Horn, K. 1996. Quantitative photomonitoring for restoration projects. *Restor. Manage. Notes* 14: 30-34.

tree/shrub health, site disturbance, etc. Panoramic photographs of wetland communities will also be taken during each monitoring event, using permanent markers (iron bars) to ensure standardized photography. All plot locations will be mapped using GPS data collected during the establishment of the monitoring plots.

Because the great majority of vascular plants in wetlands are perennials and annual variations are expected to be small, this sampling will be conducted at the initiation of the program (i.e., 2015) and then every third year during the monitoring period (i.e., 2018, 2021 and 2024).

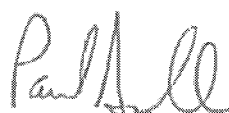
Please contact the undersigned if you have any questions.

Yours truly,

GOLDER ASSOCIATES LTD.



Caitlin Cooke, M.Sc., P.Geo.
Hydrogeologist



Paul Smolkin, P.Eng.
Principal

CAMC/PAS/sg

n:\active\2013\1121 - geotechnical\13-1121-0083 remer and idone lands\phase 1070 remer ptw application\mem vegetation monitoring program_7jan2015.docx

Attachment: Figure MP-1

September 2014

REPORT ON

Hydrogeological Study in Support of a Category 3 Application for a Permit to Take Water Remer Lands, Ottawa, Ontario

Submitted to:
Ontario Ministry of the Environment
Environmental Assessment and Approvals Branch
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

REPORT

Report Number: 13-1121-0083 (1070)

Distribution:

1 copy - Ontario Ministry of the Environment
1 copy - Leitrim South Holdings Inc.
1 copy - IBI Group
2 copies - Golder Associates Ltd.





CATEGORY 3 PTTW APPLICATION REMER LANDS, OTTAWA, ONTARIO

An agreement between Leitrim South Holdings Inc. and Findlay Creek Properties Ltd. has been developed that includes authorization for Leitrim South Holdings Inc. to access and use the existing monitoring well network owned by Findlay Creek Properties Ltd.; and, authorization for Leitrim South Holdings Inc. to obtain water level data from Golder (in our role as consultant for Findlay Creek Properties Ltd.) at monitors installed in boreholes 03-7, 03-8, 03-9, 09-11 and 97-2. This data would be used to assess if dewatering associated with construction of sewers on the Remer lands is causing impacts to water levels in the Leitrim Core Wetland.

During periods of pumping inactivity, it is proposed that data be downloaded from the dataloggers at these five monitor pairs and reviewed on an approximately monthly frequency. During periods of temporary groundwater control from trench sumps on the Remer lands (Source 1), data is proposed to be downloaded from these dataloggers and reviewed every two weeks. If groundwater levels are found to be less than 0.1 m above their respective trigger elevations (discussed in Section 6.1.2), the data downloading and review frequency would be increased to weekly.

5.1.2 Trigger Elevations

The purpose of trigger elevations is to provide a benchmark for assessing whether groundwater control activities are drawing groundwater levels below seasonally low benchmark levels at the Leitrim Core Wetland, and to provide a mechanism under the PTTW to halt groundwater taking if groundwater elevations fall below their respective triggers. Despite the uncertainty involved with predicting or preventing vegetation community change, one way to minimize the possibility of negative effects is to monitor wetland water levels and implement mitigation measures if levels fall below established trigger levels. The reasoning is that temporary groundwater control activities during subdivision construction should not result in water levels falling below minimum levels experienced naturally. Naturally-occurring dry conditions in the wetland can occur at any time of the year, can last for several months and the effects (if any) on wetland vegetation during dry periods would be indistinguishable from any potential effects due to temporary groundwater level lowering during dewatering. To minimize the possibility of negative effects on the wetland, the trigger elevations therefore should be set at seasonally low groundwater elevations that are known to be conservative since groundwater levels lower than the triggers naturally occur. This has been observed during the Findlay Creek Village development PTTW groundwater monitoring program during most of each of the past 10 years.

Trigger elevations for the Remer lands are not proposed for the groundwater monitors installed in the bedrock. This is because the Leitrim Core Wetland vegetation communities are supported by overburden groundwater levels remaining within their natural ranges, and the vegetation is not affected by changes in bedrock groundwater elevations. Although a drawdown in bedrock groundwater levels may induce a change in the overlying overburden water levels, so long as overburden water levels remain within their natural ranges, impacts to wetland vegetation are not anticipated.

The PTTW for site servicing at the Findlay Creek Village development specifies groundwater trigger elevations for the groundwater monitors installed in the Leitrim Core Wetland. The groundwater trigger elevations at boreholes 03-7, 03-8, 03-9, 09-11 and 97-2 were established in 2005 based on seasonally low groundwater levels recorded during 1998, September to December 2003 and May to December 2004. Based on the potential for groundwater pumping on the Remer lands to affect groundwater levels at portions of the Leitrim Core Wetland near Findlay Creek Village, it is proposed to establish trigger elevations at monitors BH03-7B, BH03-8B, BH03-9B, BH09-11B and BH97-2B to be applied when groundwater pumping occurs from servicing trenches at



CATEGORY 3 PTTW APPLICATION REMER LANDS, OTTAWA, ONTARIO

the Remer lands. Trigger elevations for the Remer PTTW at these off-site monitors are only proposed for the groundwater monitors installed in the overburden, and are proposed to be identical to the trigger elevations specified in the Findlay Creek Village PTTW.

Since only four to five months of preconstruction groundwater elevation data is currently available at the monitors on the Remer lands, the data is not available to assign a trigger elevation that appropriately reflects the possible seasonal variations in groundwater level, and that reflects the sensitivity of groundwater elevations in this area to variable precipitation, particularly in the summer months. The extensive database of groundwater elevations recorded at Findlay Creek Village does provide insight into the range of possible historically low groundwater elevations during years with low precipitation. The closest Findlay Creek Village monitor to the Remer lands is BH09-11B (refer to Figure 9), and it is the monitor most similar to those on the Remer lands in terms of their geographic and hydrogeologic setting. Monitor 09-11B is located near the edge of the wetland, adjacent to the berm. It can reasonably be expected that groundwater levels at 09-11B would respond similarly to low precipitation conditions, and to groundwater taking from trenches. The trigger elevation at 09-11B was set at approximately 2 metres below ground surface. Similarly, the trigger elevations at the Remer lands overburden groundwater monitors are proposed to be set at 2 metres below ground surface.

The established trigger elevations for overburden monitors located at Findlay Creek Village and proposed trigger elevations for overburden monitors located at the Remer lands are given in the table below:

Monitor	Ground Surface Elevation (m)	Site	Season	Established Trigger Water Level Elevation (m)	Proposed Trigger Water Level Elevation (m)
BH13-24B	94.43	Remer	All	N/A	92.5
BH13-32B	96.12	Remer	All	N/A	94.2
BH13-33B	100.93	Remer	All	N/A	98.9
BH14-34B	93.81	Remer	All	N/A	91.8
BH97-2B	92.85	FCV	All	91.2	N/A
BH03-7B	93.40	FCV	All	92.6	N/A
BH03-8B	93.01	FCV	Spring/summer (Apr-Sept) Fall/winter (Oct-Mar)	91.1 91.8	N/A
BH03-9B	93.78	FCV	All	93.0	N/A
BH09-11B	93.29	FCV	All	91.3	N/A

Notes:

FCV: Findlay Creek Village

N/A: not applicable

It is requested that the PTTW allow flexibility in altering the trigger elevations at the groundwater monitors located on the Remer lands, if the collection of future groundwater elevation data indicates that the proposed trigger elevations are not reflective of the natural range in groundwater elevations. Any requests to change the trigger elevations would be submitted to the Director, and would be accompanied by a supporting study.

COMMENT / MEMORANDUM TO FILE

Memo Details

Date:	2019/04/12
Module:	Permit To Take Water With Fees Main Document Reference Number: 6718-B7UQ6P
Client:	
Site(s):	
Subject:	Schedule "A" documents
Created by:	Nicholas Murphy
File Storage Number:	SI OT 3480 220 (TS)

Document Links and Comments:	
Attachment Names:	Leitrim South Holdings Inc - Pathways (Remer Lands) Development - PTTW 3480-BALRD9 - Schedule A - Item #1.pdf; Leitrim South Holdings Inc - Pathways (Remer Lands) Development - PTTW 3480-BALRD9 - Schedule A - Item #2.pdf; Leitrim South Holdings Inc - Pathways (Remer Lands) Development - PTTW 3480-BALRD9 - Schedule A - Item #3 - GW Trigger Elevations.pdf; Leitrim South Holdings Inc - Pathways (Remer Lands) Development - PTTW 3480-BALRD9 - Schedule A - Item #3 - Site Plan & Potential Phasing Plan (Figure 2).pdf

Carson de Ridder

From: Public Information Services <publicinformationsservices@tssa.org>
Sent: July 24, 2025 9:25 AM
To: Carson de Ridder
Subject: RE: PE6336 Records Search Request

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	Reason Code	Asset Class
11406030	4863 BANK ST	OTTAWA	ON	K1X 1G6	Inactive	Dismantled	FS Propane
11541316	4863 BANK ST	OTTAWA	ON	K1X 1G6	EXPIRED	EXPIRED	FS Propane
70008153	4836 BANK ST	GLOUCESTER	ON	K1X 1G6	Active	Active	Propane
9643909	4863 BANK ST	OTTAWA	ON	K1X 1G6	Inactive	Dismantled	Propane

***NO OTHER RECORDS FOUND IN CURRENT DATABASE FOR THIS REQUEST**

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 [Training \(tssa.org\)](#) for instructions on how to use the portal. 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 publicinformationsservices@tssa.org.

Kind regards,



Aleena Tahir | Public Information & Records Agent

Public Information
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1 416-734-3546 | E-Mail: ATahir@tssa.org
www.tssa.org





Winner of 2024 5-Star Safety Cultures Award

From: Carson de Ridder <cderidder@patersongroup.ca>
Sent: Wednesday, July 23, 2025 3:46 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: PE6336 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.

Hi,

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: 4835, 4836, 4850, 4863, 4870, 4906.
Dun Skipper Drive: 150.
Hawthorne Road: 4740.
Paakanaak Avenue: 503.
Rallidale Street: 87.

Thanks,



CARSON DE RIDDER
Environmental Field
Technician – Student Intern
Environmental Division
TEL: (613) 226-7381 ext. N/A
DIRECT: (613) 200-7724
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.



WATER WELL RECORD

11

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064

[illegible]

41	WATER RECORD			
WATER FOUND AT - FEET	KIND OF WATER			
06 48	10-13	☒ FRESH ☐ SALTY	☐ SULPHUR ☐ MINERAL	14
	15-18	☐ FRESH ☐ SALTY	☐ SULPHUR ☐ MINERAL	19
	20-23	☐ FRESH ☐ SALTY	☐ SULPHUR ☐ MINERAL	24
	25-28	☐ FRESH ☐ SALTY	☐ SULPHUR ☐ MINERAL	29
	30-33	☐ FRESH ☐ SALTY	☐ SULPHUR ☐ MINERAL	34

51	CASING & OPEN HOLE RECORD			
INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
06	☒ STEEL ☐ GALVANIZED ☐ CONCRETE ☐ OPEN HOLE	.188	0	22 13-16
	☐ STEEL ☐ GALVANIZED ☐ CONCRETE ☐ OPEN HOLE			20-23
	☐ STEEL ☐ GALVANIZED ☐ CONCRETE ☐ OPEN HOLE			27-30

SCREEN	SIZE(S) OF OPENING (SLOT NO.)	31-33	DIAMETER 34-38	LENGTH 39-44
	MATERIAL AND TYPE	INCHES		FEET
		DEPTH TO TOP OF SCREEN	41-44	80

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

LOCATION OF WELL

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

LOT 21

60'

60'

PARKING LOT

0.35 mi

HWY #31

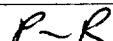
IV

✓

DRILLERS REMARKS:

54 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
55-56 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
57 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		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	SUBMISSION DATE	
	<i>per M. Aubin</i>	DAY 25 MOO YR 73	

OFFICE USE ONLY	DATA SOURCE	58	CONTRACTOR	59-62	DATE RECEIVED	63-68
	1		2557		28 09 79	
	DATE OF INSPECTION		INSPECTOR			
						
	REMARKS:					
						



316/5a

1514664

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CON.
RF

04

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

11

COUNTY OR DISTRICT <i>Carleton</i>		TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE <i>Gloucester</i>		CON., BLOCK, TRACT, SURVEY, ETC. <i>II RF IV</i>		LOT <i>022</i>	
OWNER (SURNAME FIRST) <i>CDP Canadian Industries Ltd.</i>		ADDRESS <i>Hwy # 31</i>		DATE COMPLETED <i>20 02</i>		48-53 <i>YR 25</i>	
ZONE <i>18</i>		EASTING <i>453793</i>		NORTHING <i>5017090</i>		RC <i>4</i>	
ELEVATION <i>0340</i>		RC <i>4</i>		BASIN CODE <i>26</i>		II III IV	

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible]

31	00136281113	0030817	0111215	0125118					
32									

41		WATER RECORD			
WATER FOUND AT - FEET		KIND OF WATER			
10-13	1 ☒ FRESH	3 ☐ SULPHUR			14
	2 ☐ SALTY	4 ☐ MINERAL			
15-18	1 ☒ FRESH	3 ☐ SULPHUR			19
	2 ☐ SALTY	4 ☐ MINERAL			
20-23	1 ☐ FRESH	3 ☐ SULPHUR			24
	2 ☐ SALTY	4 ☐ MINERAL			
25-28	1 ☐ FRESH	3 ☐ SULPHUR			29
	2 ☐ SALTY	4 ☐ MINERAL			
30-33	1 ☐ FRESH	3 ☐ SULPHUR			34
	2 ☐ SALTY	4 ☐ MINERAL			

51		CASING & OPEN HOLE RECORD			
INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET		
			FROM	TO	
10-11 6 1/4 86	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	12 188		13-16 22 0022	
17-18 7 1/4 86	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE	19	22	20-23 0125	
24-25	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	26		27-30	

SCREEN	SIZE(S) OF OPENING (SLOT NO.)	31-33	DIAMETER	34-38	LENGTH	39-40
				INCHES	FEET	
	MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN	41-44	8	
				FEET		

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

PUMPING TEST	PUMPING TEST METHOD		10	PUMPING RATE		11-14	DURATION OF PUMPING	
	1 ☒ PUMP 2 ☐ BAILER		0012		GPM.	01	15-16 HOURS	17-18 MINS
	STATIC LEVEL		WATER LEVEL END OF PUMPING		25		1 ☒ PUMPING 2 ☐ RECOVERY	
	19-21		22-24		15 MINUTES		30 MINUTES	
	020		020		020		020	
	FEET		FEET		FEET		FEET	
	IF FLOWING, GIVE RATE		38-41		PUMP INTAKE SET AT		WATER AT END OF TEST	
—		GPM		80		FEET		
RECOMMENDED PUMP TYPE		RECOMMENDED PUMP SETTING		43-45		RECOMMENDED PUMPING RATE		
☐ SHALLOW ☒ DEEP		080		FEET		1 ☒ CLEAR 2 ☐ CLOUDY		
50-53		0240		GPM. / FT. SPECIFIC CAPACITY		46-49		
						0008		
						GPM.		

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 ☐ OTHER	5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 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

LOCATION OF WELL 5317

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

South Gloucester

0.4

Hy #31

750'

20'

NW

DRILLERS REMARKS:

CONTRACTOR	NAME OF WELL CONTRACTOR		LICENCE NUMBER
	Hawthorne Drilling Ltd		2558
	ADDRESS		
	P.O. Box 4218 Stat. E.		
	NAME OF DRILLER OR BORER		LICENCE NUMBER
	A. Emond		2558
	SIGNATURE OF CONTRACTOR		SUBMISSION DATE
			DAY 24 MO. 2 YR. 75

OFFICE USE ONLY	DATA SOURCE	1	58	CONTRACTOR 2338	59-62	DATE RECEIVED 2 20 75	63-68
	DATE OF INSPECTION			INSPECTOR			
	REMARKS: CSS-98						P WI



11

1574664

MECHANISMS

[illegible]

[41] WATER RECORD		[51] CASING & OPEN HOLE RECORD					[61] PLUGGING & SEALING RECORD		
WATER FOUND AT - FEET	KIND OF WATER						SCREEN SIZE(S) OF OPENING (SLOT NO.) DIAMETER LENGTH MATERIAL AND TYPE DEPTH TO TOP OF SCREEN		
		INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET				
					FROM	TO			
		DEPTH SET AT - FEET		MATERIAL AND TYPE		(CEMENT GROUT, LEAD PACKER, ETC.)			

71	PUMPING TEST METHOD		10	PUMPING RATE		11-14	DURATION OF PUMPING	
	1 ☒ PUMP 2 ☐ BAILER			12		GPM	1 15-16 HOURS 15 17-18 MINS	
	STATIC LEVEL	WATER LEVEL END OF PUMPING	25	WATER LEVELS DURING			1 ☐ PUMPING 2 ☐ RECOVERY	
	19-21	22-24	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES		
	20 FEET	20 FEET	20 ²⁶⁻²⁸ FEET	20 ³¹ FEET	20 ³²⁻³⁴ FEET	20 ³⁵⁻³⁷ FEET		
IF FLOWING GIVE RATE		38-41	PUMP INTAKE SET AT			WATER AT END OF TEST		
—		GPM	80 FEET			1 ☒ CLEAR 2 ☐ CLOUDY		
RECOMMENDED PUMP TYPE			RECOMMENDED PUMP SETTING	43-45	RECOMMENDED PUMPING RATE			46-49
☐ SHALLOW ☒ DEEP			80 FEET			8 GPM		
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.

South Gloucester

Hy #31

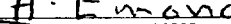
750'

20'

M

DRILLERS REMARKS:

FINAL STATUS OF WELL	WATER USE	54 1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL	5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED
METHOD OF DRILLING	57 1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☒ AIR PERCUSSION	5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED	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.			
CONTRACTOR	NAME OF DRILLER OR BORER		LICENCE NUMBER	
	A. Emond		2558	
	SIGNATURE OF CONTRACTOR		SUBMISSION DATE	
			DAY 24 MO. 2 YR. 24	

OFFICE USE ONLY	DATA SOURCE	58	CONTRACTOR	59-62	DATE RECEIVED	63-68
	DATE OF INSPECTION		INSPECTOR			
	REMARKS:					P WI



The Ontario Water Resources Act

WATER WELL RECORD

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

11

1530652

Municipality

15002

Con.

RF

04

County or District Ottawa Carleton		Township/Borough/City/Town/Village Gloucester		Con block tract survey, etc. 2		Lot 23	
		Address 4837 Albion Rd		Date completed 23 day 05 month 97 year			
		Northing 		RC 		Elevation 	
		Basin Code 		ii 		iii 	
						iv 	

[illegible][illegible]

41		10		14 15		21		WATER RECORD	
Water found at – feet		Kind of water							
10-13		1	☐ Fresh	3	☐ Sulphur	14			
		2	☐ Salty	4	☐ Minerals				
				6	☐ Gas				
15-18		1	☐ Fresh	3	☐ Sulphur	19			
		2	☐ Salty	4	☐ Minerals				
				6	☐ Gas				
20-23		1	☐ Fresh	3	☐ Sulphur	24			
		2	☐ Salty	4	☐ Minerals				
				6	☐ Gas				
25-28		1	☐ Fresh	3	☐ Sulphur	29			
		2	☐ Salty	4	☐ Minerals				
				6	☐ Gas				
30-33		1	☐ Fresh	3	☐ Sulphur	34			
		2	☐ Salty	4	☐ Minerals				
				6	☐ Gas				

51 CASING & OPEN HOLE RECORD				
Inside diam inches	Material	Wall thickness inches	Depth - feet	
			From	To
10-11 6	☐ Steel ☐ Galvanized ☐ Concrete ☒ Open hole ☐ Plastic	12	0	35
17-18	☐ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic	19		20-23
24-25	☐ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic	26		27-30

SCREEN	54	65	75	90		
	Sizes of opening (Slot No.)	31-33	Diameter	34-38	Length	39-40
			inches		feet	
	Material and type		Depth at top of screen	41-44	30	
			feet			

61 PLUGGING & SEALING RECORD			
☐ Annular space		☐ Abandonment	
Depth set at – feet		Material and type (Cement grout, bentonite, etc.)	
From	To		
10-13	14-17		
18-21	22-25		
26-29	30-33		
	80		

PUMPING TEST	71 Pumping test method ¹⁰ 1 ☐ Pump 2 ☐ Bailer		Pumping rate ¹¹⁻¹⁴ GPM		Duration of pumping ¹⁵⁻¹⁸ Hours ¹⁷ Mins ¹⁸	
	Static level Water level end of pumping		25 Water levels during 1 ☐ Pumping 2 ☐ Recovery			
	19-21 feet	22-24 feet	15 minutes ²⁶⁻²⁸ feet	30 minutes ²⁹⁻³¹ feet	45 minutes ³²⁻³⁴ feet	60 minutes ³⁵⁻³⁷ feet
	If flowing give rate ³⁸⁻⁴¹ GPM		Pump intake set at feet		Water at end of test ⁴² ☐ Clear ☐ Cloudy	
	Recommended pump type ☐ Shallow ☐ Deep		Recommended pump setting ⁴³⁻⁴⁵ feet		Recommended pump rate ⁴⁶⁻⁴⁹ GPM	
	50-53					

FINAL STATUS OF WELL			54
1 ☐ Water supply	5 ☐ Abandoned, insufficient supply	9 ☐ Unfinished	
2 ☐ Observation well	6 ☐ Abandoned, poor quality	10 ☐ Replacement well	
3 ☐ Test hole	7 ☐ Abandoned (Other)		
4 ☐ Recharge well	8 ☐ Dewatering		

WATER USE			55-56
1 ☐ Domestic	5 ☐ Commercial	9 ☐ Not used	
2 ☐ Stock	6 ☐ Municipal	10 ☐ Other	
3 ☐ Irrigation	7 ☐ Public supply		
4 ☐ Industrial	8 ☐ Cooling & air conditioning		

METHOD OF CONSTRUCTION			57
1 ☐ Cable tool	5 ☐ Air percussion	9 ☐ Driving	
2 ☐ Rotary (conventional)	6 ☐ Boring	10 ☐ Digging	
3 ☐ Rotary (reverse)	7 ☐ Diamond	11 ☐ Other	
4 ☐ Rotary (air)	8 ☐ Jetting		

LOCATION OF WELL

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

N ↑

5 1/2 mile 3'

X

Practice track

Barn side ea

201701

July 31

Name of Well Contractor Olympic Drilling Co Ltd		Well Contractor's Licence No. 4006	
Address 2320 SCRIVEN'S DR			
Name of Well Technician Wayne Renwick		Well Technician's Licence No. 70-337	
Signature of Technician/Contractor W Renwick		Submission date 08 05 99	

MINISTRY USE ONLY	Data source 4006	Contractor 58	Date received AUG 09 1999
	Date of inspection		Inspector
	Remarks CSS.ES0		



11

Municipality **15002** Con. **RF** **04**

Figure 1 is a schematic representation of the 42-item test. It consists of a horizontal bar divided into four sections labeled I, II, III, and IV. Section I (1-10) contains 10 items, with item 21 highlighted. Section II (11-17) contains 7 items. Section III (18-25) contains 8 items. Section IV (26-42) contains 17 items.

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet	
				From	To
Brown	sand	stone		0	42
Black	shale			42	51
Grey	limestone			51	123
Grey	Limestone w	sandstone layers		123	168
White	sandstone	sandstone		168	200
Green	Granite	granite		200	210

31

32

10 14 15 21 32 43 54 65 75 80

41		WATER RECORD	
Water found at – feet	Kind of water		
10–13 73	1 ☐ Fresh 2 ☐ Salty	3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas	14
15–18 123	1 ☐ Fresh 2 ☐ Salty	3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas	19
20–23 147	1 ☐ Fresh 2 ☐ Salty	3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas	24
25–28 untested	1 ☐ Fresh 2 ☐ Salty	3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas	29
30–33	1 ☐ Fresh 2 ☐ Salty	3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas	34

51		CASING & OPEN HOLE RECORD			
Inside diam inches	Material	Wall thickness inches	Depth - feet		
			From	To	
10-11 8	☐ Steel ☐ Galvanized ☐ Concrete ☒ Open hole ☐ Plastic	12	0	42	
17-18 6	☐ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic	19 .188	+2	42	
24-25 6	☐ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic	26	42	210	

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

61 PLUGGING & SEALING RECORD			
☐ Annular space		☐ Abandonment	
Depth set at - feet		Material and type (Cement grout, bentonite, etc.)	
From	To		
10-13 42 0	14-17		
18-21	22-25		
26-29	30-33		
		80	

PUMPING TEST	71 Pumping test method ¹⁰ 1 ☐ Pump 2 ☐ Bailer		Pumping rate ¹¹⁻¹⁴ GPM		Duration of pumping ¹⁷⁻¹⁸ Hours Mins	
	Static level		Water level end of pumping		Water levels during 1 ☐ Pumping 2 ☐ Recovery	
	19-21	22-24	15 minutes ₂₆₋₂₈	30 minutes ₂₉₋₃₁	45 minutes ₃₂₋₃₄	60 minutes ₃₅₋₃₇
	feet	feet	feet	feet	feet	feet
	If flowing give rate ³⁸⁻⁴¹ GPM		Pump intake set at feet		Water at end of test ⁴² ☐ Clear ☐ Cloudy	
Recommended pump type ☐ Shallow ☐ Deep		Recommended pump setting ⁴³⁻⁴⁵ feet		Recommended pump rate ⁴⁶⁻⁴⁹ GPM		

FINAL STATUS OF WELL		54
1 ☐ Water supply	5 ☐ Abandoned, insufficient supply	9 ☐ Unfinished
2 ☐ Observation well	6 ☐ Abandoned, poor quality	10 ☐ Replacement well
3 ☐ Test hole	7 ☐ Abandoned (Other)	
4 ☐ Recharge well	8 ☐ Dewatering	

WATER USE 55-56

1 ☐ Domestic	5 ☐ Commercial	9 ☐ Not used
2 ☐ Stock	6 ☐ Municipal	10 ☐ Other <i>monitors</i>
3 ☐ Irrigation	7 ☐ Public supply	
4 ☐ Industrial	8 ☐ Cooling & air conditioning	

METHOD OF CONSTRUCTION 57

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

LOCATION OF WELL

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

201703

Name of Well Contractor	Olympic Drilling Co UK	Well Contractor's Licence No.	4006
Address	2320 Scriven Dr Melkale		
Name of Well Technician	Wayne Benwick	Well Technician's Licence No.	TO-327
Signature of Technician/Contractor	W Benwick	Submission date	08 May 06 99

MINISTRY USE ONLY	Data source	58	Contractor	59-62	Date received	63-68	80
			4006		AUG 09 1999		
	Date of inspection		Inspector				
	Remarks						
	CSS.ES0						



The Ontario Water Resources Act **WATER WELL RECORD**

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

11

1530654

Municipality

Municipality
15002

Con.

Con.
RF

04

County or District Ottawa Carleton	Township/Borough/City/Town/Village Gloucester	Con block tract survey, etc. 2	Lot 23
Address 4837 Albion Rd		Date completed 23 day 05 month 98 year	

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)					
General colour	Most common material	Other materials	General description	Depth - feet	
				From	To
Brown	sand + stone		MW# 1 D	0	54
Brown	sand + stone		MW# 1 S	0	20
NW1D Bensed Plug 0' - 2 PVC 10' native backfill 40' 3' Bensed Plug 43' Fliter stone 54' NW2S Bensed Plug 0' - 2" PVC 10' NATIVE backfill 13' 1' bensed plug 14' Fliter stone 20'					

31

32

41		14 15				21		WATER RECORD	
Water found at – feet		Kind of water							
10-13		1 ☐ Fresh	3 ☐ Sulphur					14	
		2 ☐ Salty	4 ☐ Minerals						
			6 ☐ Gas						
15-18		1 ☐ Fresh	3 ☐ Sulphur					19	
		2 ☐ Salty	4 ☐ Minerals						
			6 ☐ Gas						
20-23		1 ☐ Fresh	3 ☐ Sulphur					24	
		2 ☐ Salty	4 ☐ Minerals						
			6 ☐ Gas						
25-28		1 ☐ Fresh	3 ☐ Sulphur					29	
		2 ☐ Salty	4 ☐ Minerals						
			6 ☐ Gas						
30-33		1 ☐ Fresh	3 ☐ Sulphur					34	
		2 ☐ Salty	4 ☐ Minerals						
			6 ☐ Gas						

CASING & OPEN HOLE RECORD				
Inside diam inches	Material	Wall thickness inches	Depth - feet	
			From	To
NW 10-11	☐ Steel ☐ Galvanized ☐ Concrete ☒ Open hole ☐ Plastic		0	54
HW 12-13	☐ Steel ☐ Galvanized ☐ Concrete ☒ Open hole ☐ Plastic		0	20
24-25	☐ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic			

SCREEN	54	65	75	80	
	Sizes of opening (Slot No.)	31-33	Diameter	34-38	Length
			inches		feet
	Material and type		Depth at top of screen	30	
			41-44		
			feet		

61		PLUGGING & SEALING RECORD	
☐ Annular space		☐ Abandonment	
Depth set at - feet		Material and type (Cement grout, bentonite, etc.)	
From	To		
10-13	14-17		
18-21	22-25		
26-29	30-33		
		80	

PUMPING TEST	71		Pumping test method ¹⁰ ☐ Pump ² ☐ Bailer		Pumping rate ¹¹⁻¹⁴ GPM		Duration of pumping ¹⁵⁻¹⁸ Hours Mins ¹⁷⁻¹⁸	
	Static level		Water level end of pumping ²⁵		Water levels during ☐ Pumping ☐ Recovery			
	19-21		22-24		15 minutes ²⁶⁻²⁸		30 minutes ²⁹⁻³¹	
					45 minutes ³²⁻³⁴		60 minutes ³⁵⁻³⁷	
	feet		feet		feet		feet	
	If flowing give rate ³⁸⁻⁴¹ GPM		Pump intake set at feet		Water at end of test ⁴² ☐ Clear ☐ Cloudy			
Recommended pump type ☐ Shallow ☐ Deep		Recommended pump setting ⁴³⁻⁴⁵ feet		Recommended pump rate ⁴⁶⁻⁴⁹ GPM				

FINAL STATUS OF WELL			54
1	☐ Water supply	5	☐ Abandoned, insufficient supply
2	☐ Observation well	6	☐ Abandoned, poor quality
3	☐ Test hole	7	☐ Abandoned (Other)
4	☐ Recharge well	8	☐ Dewatering
		9	☐ Unfinished
		10	☐ Replacement well

WATER USE			55-56
1	☐ Domestic	5	☒ Commercial
2	☐ Stock	6	☐ Municipal
3	☐ Irrigation	7	☐ Public supply
4	☐ Industrial	8	☐ Cooling & air conditioning
		9	☐ Not used
		10	☐ Other

METHOD OF CONSTRUCTION			57
1	☐ Cable tool	5	☐ Air percussion
2	☐ Rotary (conventional)	6	☐ Boring
3	☐ Rotary (reverse)	7	☐ Diamond
4	☐ Rotary (air)	8	☒ Jetting
		9	☐ Driving
		10	☐ Digging
		11	☐ Other

LOCATION OF WELL

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

75'

$\frac{1}{2}$ mile

N

Practice tract

BARN side road

201704

Name of Well Contractor	Olympic Drilling Co. Ltd	Well Contractor's Licence No.	4006
Address	2320 Scriveners Dr Hekker		
Name of Well Technician	Wayne Benward	Well Technician's Licence No.	70-327
Signature of Technician/Contractor	Benward	Submission date	03 05 99

MINISTRY USE ONLY	Data source	58	Contractor	59-62	Date received	63-68	80
			4006		AUG 09 1999		
	Date of inspection		Inspector				
	Remarks						
	CSS.ES0						



The Ontario Water Resources Act

WATER WELL RECORD

Mark correct box with a checkmark, where applicable.

11

1530655

Municipality

15002

Con

RF

04

County or District Ottawa Carleton	Township/Borough/City/Town/Village Gloucester	Con block tract survey, etc. 2	Lot 23	25-27
	Address 4837 Albion Rd	Date completed 23 05 99 day month year		48-53

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

[illegible][illegible]

41		WATER RECORD			
Water found at – feet		Kind of water			
10–13	1	☐ Fresh	3	☐ Sulphur	14
	2	☐ Salty	4	☐ Minerals	
			6	☐ Gas	
	15–18	1	☐ Fresh	3	☐ Sulphur
2		☐ Salty	4	☐ Minerals	
			6	☐ Gas	
	20–23	1	☐ Fresh	3	☐ Sulphur
2		☐ Salty	4	☐ Minerals	
			6	☐ Gas	
	25–28	1	☐ Fresh	3	☐ Sulphur
2		☐ Salty	4	☐ Minerals	
			6	☐ Gas	
	30–33	1	☐ Fresh	3	☐ Sulphur
2		☐ Salty	4	☐ Minerals	
			6	☐ Gas	

CASING & OPEN HOLE RECORD				
Inside diam inches	Material	Wall thickness inches	Depth – feet	
			From	To
10-11 6	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☒ Open hole 5 ☐ Plastic			13-16 58
17-18	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			20-23
24-25	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			27-30

SCREEN	34		65		75		80	
	Sizes of opening (Slot No.)		31-33		Diameter		34-38	
					inches		39-40	
							feet	
	Material and type				Depth at top of screen			
					41-44			
					feet			
					30			

61		PLUGGING & SEALING RECORD	
☐ Annular space		☐ Abandonment	
Depth set at - feet		Material and type (Cement grout, bentonite, etc.)	
From	To		
10-13	14-17		
18-21	22-25		
26-29	30-33		
		80	

PUMPING TEST	71 Pumping test method ¹⁰ ☐ Pump ☐ Bailer		Pumping rate ¹¹⁻¹⁴ GPM		Duration of pumping ¹⁵⁻¹⁸ Hours Mins ¹⁷⁻¹⁸	
	Static level		Water level/ end of pumping ²⁵		Water levels during ☐ Pumping ☐ Recovery	
	19-21	22-24	15 minutes ²⁶⁻²⁸	30 minutes ²⁹⁻³¹	45 minutes ³²⁻³⁴	60 minutes ³⁵⁻³⁷
	feet	feet	feet	feet	feet	feet
	If flowing give rate ³⁸⁻⁴¹ GPM		Pump intake set at feet		Water at end of test ⁴² ☐ Clear ☐ Cloudy	
	Recommended pump type ☐ Shallow ☐ Deep		Recommended pump setting ⁴³⁻⁴⁵ feet		Recommended pump rate ⁴⁶⁻⁴⁹ GPM	

FINAL STATUS OF WELL			54
1 ☐ Water supply	5 ☐ Abandoned, insufficient supply	9 ☐ Unfinished	
2 ☐ Observation well	6 ☐ Abandoned, poor quality	10 ☐ Replacement well	
3 ☐ Test hole	7 ☐ Abandoned (Other)		
4 ☐ Recharge well	8 ☐ Dewatering		

WATER USE			55-56
1 ☐ Domestic	5 ☐ Commercial	9 ☐ Not used	
2 ☐ Stock	6 ☐ Municipal	10 ☐ Other	
3 ☐ Irrigation	7 ☐ Public supply		
4 ☐ Industrial	8 ☐ Cooling & air conditioning		

METHOD OF CONSTRUCTION			57
1 ☐ Cable tool	5 ☐ Air percussion	9 ☐ Driving	
2 ☐ Rotary (conventional)	6 ☐ Boring	10 ☐ Digging	
3 ☐ Rotary (reverse)	7 ☐ Diamond	11 ☐ Other	
4 ☐ Rotary (air)	8 ☐ Jetting		

LOCATION OF WELL

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

N ↗

1/4 mile

1514'

Practice Track

201705

Name of Well Contractor	Well Contractor's Licence No.
Olympic Drilling Co. Ltd	4006
Address	
2320 Scrivens Dr.	Metcalf
Name of Well Technician	Well Technician's Licence No.
Wayne Kenwick	10-327
Signature of Technician/Contractor	Submission date
<i>Wayne Kenwick</i>	day mo yr 08 06 99

MINISTRY USE ONLY	Data source	58	Contractor	59-62	Date received	63-68	69
			4006		AUG 09 1999		
	Date of inspection		Inspector				
	Remarks						
	CSS.ES0						



The Ontario Water Resources Act

WATER WELL RECORD

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

11

1534131

Municipality
15002

Con.
RF
16

04

County or District <i>Gloucester</i>	Township/Borough/City/Town/Village <i>Gloucester</i>	Con block tract survey, etc. <i>4</i>	Lot <i>22</i>
Address of Well Location <i>Greely, Ont</i>		Date completed <i>10 10 03</i> day month year	

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

[illegible]

31

32

10 14 15 21 32 43 54 65 75 8

41		42		43		44		45		46		47		48		49		50		51		
WATER RECORD																						
Water found at - feet						Kind of water																
10-13						1	□	Fresh	3	□	Sulphur	14										
48						2	□	Salty	4	□	Minerals	15										
NOT																						
15-18						1	□	Fresh	3	□	Sulphur	19										
55						2	□	Salty	4	□	Minerals	20										
T-850																						
20-23						1	□	Fresh	3	□	Sulphur	24										
						2	□	Salty	4	□	Minerals	25										
						6	□	Gas														
25-28						1	□	Fresh	3	□	Sulphur	29										
						2	□	Salty	4	□	Minerals	30										
						6	□	Gas														
30-33						1	□	Fresh	3	□	Sulphur	34										
						2	□	Salty	4	□	Minerals	35										
						6	□	Gas														

51 CASING & OPEN HOLE RECORD				
Inside diam inches	Material	Wall thickness inches	Depth - feet	
			From	To
10-11 6 1/4	☒ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic	12 -188	0	29 13-16
17-18 6	☐ Steel ☐ Galvanized ☐ Concrete ☒ Open hole ☐ Plastic	19	27	62 20-23
24-25	☐ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic	26		27-30

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

61				PLUGGING & SEALING RECORD	
☒ Annular space				☐ Abandonment	
Depth set at - feet		Material and type (Cement grout, bentonite, etc.)			
From	To				
29	4-17	bentonite			
18-21	22-25				
26-29	30-33	80			

PUMPING TEST	Pumping test method ¹⁰ 1 ☒ Pump 2 ☐ Bailer		Pumping rate ¹¹⁻¹⁴ 18 GPM		Duration of pumping ¹⁵⁻¹⁶ 1 Hours ¹⁷⁻¹⁸ Mins	
	Static level		Water level end of pumping ²⁵		Water levels during 1 ☐ Pumping 2 ☒ Recovery	
	¹⁹⁻²¹ 16 feet		²²⁻²⁴ 50 feet		²⁶⁻²⁸ 16 feet	
	²⁹⁻³¹ 16 feet		³²⁻³⁴ 16 feet		³⁵⁻³⁷ 16 feet	
	If flowing give rate ³⁸⁻⁴¹ GPM		Pump intake set at ⁴² feet		Water at end of test ⁴³ ☐ Clear ☒ Cloudy	
	Recommended pump type ⁴⁴⁻⁴⁵ ☐ Shallow ☒ Deep		Recommended pump setting ⁴⁶⁻⁴⁹ 50 feet		Recommended pump rate ⁵⁰⁻⁵³ 18 GPM	

FINAL STATUS OF WELL			54
1	☐ Water supply	5	☐ Abandoned, insufficient supply
2	☐ Observation well	6	☐ Abandoned, poor quality
3	☒ Test hole	7	☐ Abandoned (Other)
4	☐ Recharge well	8	☐ Dewatering
		9	☐ Unfinished
		10	☐ Replacement well

WATER USE			55-56
1	☐ Domestic	5	☐ Commercial
2	☐ Stock	6	☐ Municipal
3	☐ Irrigation	7	☐ Public supply
4	☐ Industrial	8	☐ Cooling & air conditioning
		9	☒ Not use
		10	☐ Other

METHOD OF CONSTRUCTION			57
1	☐ Cable tool	5	☒ Air percussion
2	☐ Rotary (conventional)	6	☐ Boring
3	☐ Rotary (reverse)	7	☐ Diamond
4	☐ Rotary (air)	8	☐ Jetting
		9	☐ Driving
		10	☐ Digging
		11	☐ Other

LOCATION OF WELL

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

0.9 Km

1.1 Km

Ridgeway Rd

311

↑ N

265638

Name of Well Contractor	Well Contractor's Licence No.
Air Rock Drilling Ltd	1119
Address	
RR#1 Richmond, Ont	
Name of Well Technician	Well Technician's Licence No.
Shannon Purcell	Ta122
Signature of Technician/Contractor	Submission date
	501003 day mo yr

MINISTRY USE ONLY	Data source	58 Contractor	59-62	Date received	63-68	8
		1119		OCT 23 2003		
	Date of inspection	Inspector				
	Remarks					
	CSS.ES3					



The Ontario Water Resources Act

WATER WELL RECORD

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

11

1534133

Municipality **15002** Con. **RF** **04**

County or District [Redacted]	Township/Borough/City/Town/Village Gloucester	Con block tract survey, etc. 4	Lot 22
Address of Well Location Ottawa, Ont		Date completed 26 day 09 month 03 year	



Figure 1 illustrates the data structure for the 1990-1999 period. The structure is organized into several sections: Zone, Easting, Northing, RC, Elevation, RC, Basin Code, and ii, iii, iv. The Zone section contains a box labeled 21. The Easting section contains a box labeled 10. The Northing section contains a box labeled 17. The RC section contains a box labeled 25. The Elevation section contains a box labeled 26. The RC section contains a box labeled 30. The Basin Code section contains a box labeled 31. The ii, iii, and iv sections contain boxes labeled 47, 47, and 47 respectively. The timeline is marked with vertical lines and numbers.

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

[illegible]

31      

32      

41		10	14	15	21	WATER RECORD	
Water found at - feet		Kind of water					
79	10-13	1	☐ Fresh	3	☐ Sulphur	14	
	2	☐ Salty	6	☐ Minerals			
83	15-18	1	☐ Fresh	3	☐ Sulphur	19	
	2	☐ Salty	6	☐ Minerals			
	20-23	1	☐ Fresh	3	☐ Sulphur	24	
	2	☐ Salty	6	☐ Minerals			
	25-28	1	☐ Fresh	3	☐ Sulphur	29	
	2	☐ Salty	6	☐ Minerals			
	30-33	1	☐ Fresh	3	☐ Sulphur	34	
	2	☐ Salty	6	☐ Minerals			

CASING & OPEN HOLE RECORD				
Inside diam inches	Material	Wall thickness inches	Depth - feet	
			From	To
10-11	☒ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic			
6 1/4		.188	0	69
17-18	☐ Steel ☐ Galvanized ☐ Concrete ☒ Open hole ☐ Plastic			
6			67	101
24-25	☐ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic			
				27-30

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

61 PLUGGING & SEALING RECORD			
☒ Annular space		☐ Abandonment	
Depth set at - feet		Material and type (Cement grout, bentonite, etc.)	
From	To		
10-13 67	14-17 0		
18-21	22-25		
26-29	30-33		
		80	

PUMPING TEST	Pumping test method 10 1 ☒ Pump 2 ☐ Bailer		Pumping rate 6 11-14 GPM		Duration of pumping 1 15-16 17-18 Mins	
	Static level	Water level end of pumping 25	Water levels during 1 ☐ Pumping 2 ☒ Recovery			
	19-21 44 feet	22-24 90 feet	15 minutes 26-28 44 feet	30 minutes 29-31 44 feet	45 minutes 32-34 44 feet	60 minutes 35-37 44 feet
	If flowing give rate 38-41 GPM		Pump intake set at feet		Water at end of test 42 ☐ Clear ☒ Cloudy	
	Recommended pump type ☐ Shallow ☒ Deep		Recommended pump setting 43-45 90 feet		Recommended pump rate 46-49 6 GPM	
	50-53					

FINAL STATUS OF WELL			54
1 ☐ Water supply	5 ☐ Abandoned, insufficient supply	9 ☐ Unfinished	
2 ☐ Observation well	6 ☐ Abandoned, poor quality	10 ☐ Replacement well	
3 ☒ Test hole	7 ☐ Abandoned (Other)		
4 ☐ Recharge well	8 ☐ Dewatering		

WATER USE			55-56
1 ☐ Domestic	5 ☐ Commercial	9 ☒ Not use	
2 ☐ Stock	6 ☐ Municipal	10 ☐ Other	
3 ☐ Irrigation	7 ☐ Public supply		
4 ☐ Industrial	8 ☐ Cooling & air conditioning		

METHOD OF CONSTRUCTION			57
1 ☐ Cable tool	5 ☒ Air percussion	9 ☐ Driving	
2 ☐ Rotary (conventional)	6 ☐ Boring	10 ☐ Digging	
3 ☐ Rotary (reverse)	7 ☐ Diamond	11 ☐ Other	
4 ☐ Rotary (air)	8 ☐ Jetting		

LOCATION OF WELL

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

↑ N

265605

Name of Well Contractor	Well Contractor's Licence No.
Air Rod Drilling Ltd 1119	
Address	
RR#1 Richmond, Ont	
Name of Well Technician	Well Technician's Licence No.
Shannon Purcell	T2122
Signature of Technician/Contractor	Submission date
Kenny [Signature]	2010 03 day mo yr

MINISTRY USE ONLY	Data source	58	Contractor	59-62	Date received	63-68	80
			1119		OCT 23 2003		
	Date of inspection		Inspector				
	Remarks						
	CSS.ES2						

A066507

Address of Well Location (Street Number/Name) #6391 Blossom TRAIL				Township OSgoode		Lot P/L6		Concession 3	
County/District/Municipality Ottawa-Carleton				City/Town/Village Greely		Province Ontario		Postal Code 	
UTM Coordinates NAD 83		Zone Easting 18453564		Northing 5016637		Municipal Plan and Sublot Number PLAN 4M-1295		Other S/L23	

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

[illegible]

Annular Space			
Depth Set at (m/ft)	Type of Sealant Used		Volume Placed
From	To	(Material and Type)	(m ³ /ft ³)
22'	12'	Neat Cement Slurry	4.68
12'	0	Bentonite Slurry	8.4

Method of Construction		Well Use	
☐ Cable Tool	☐ Diamond	☐ Public	☐ Commercial
☐ Rotary (Conventional)	☐ Jetting	☒ Domestic	☐ Municipal
☐ Rotary (Reverse)	☐ Driving	☐ Livestock	☐ Test Hole
☐ Boring	☐ Digging	☐ Irrigation	☐ Cooling & Air Conditioning
☒ Air percussion		☐ Industrial	☐ Not used
☐ Other, specify _____		☐ Other, specify _____	☐ Dewatering
			☐ Monitoring

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		☒ Water Supply ☐ Replacement Well ☐ Test Hole ☐ Recharge Well ☐ Dewatering Well ☐ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply
			From	To	
6"	Steel	.188	2'	22'	
6"	Openhole		22'	207'	

Construction Record - Screen					
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		
			From	To	
					☐ Insufficient Supply
					☐ Abandoned, Poor Water Quality
					☐ Abandoned, other, specify _____
					☐ Other, specify _____

Water Details		Hole Diameter	
Water found at Depth 201 (m/ft) ☐ Gas ☐ Other, specify	Kind of Water: ☐ Fresh ☒ Untested	Depth (m/ft) From To	Diameter (cm/in)
Water found at Depth (m/ft) ☐ Gas ☐ Other, specify	Kind of Water: ☐ Fresh ☐ Untested	0' 207'	6"
Water found at Depth (m/ft) ☐ Gas ☐ Other, specify	Kind of Water: ☐ Fresh ☐ Untested		

Well Contractor and Well Technician Information			
Business Name of Well Contractor		Well Contractor's Licence No.	
Air Rock Drilling Co Ltd		1119	
Business Address (Street Number/Name)		Municipality	
Rt #1		Richmond	
Province	Postal Code	Business E-mail Address	
ONT	K0A2Z0		
Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)		
613 838 2170	HOGAN DAN		
Well Technician's Licence No.	Signature of Technician and/or Contractor		Date Submitted
T3058	[Signature]		20090525

Results of Well Yield Testing

After test of well yield, water was:		Draw Down		Recovery	
☐ Clear and sand free ☒ Other, specify: <u>TESTED</u>		Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason: <u>X</u>		Static Level	25' 7"		77' 7"
Pump intake set at (m/ft) 180'		1	34' 5"	1	55'
Pumping rate (l/min / GPM) 20		2	40' 2"	2	45' 6"
Duration of pumping 1 hrs + 0 min		3	45' 1"	3	40'
Final water level end of pumping (m/ft) 77' 7"		4	48' 4"	4	37'
If flowing give rate (l/min / GPM) <u>X</u>		5	51' 3"	5	33' 4"
Recommended pump depth (m/ft) (12HP) 140'		10	60' 8"	10	28' 2"
Recommended pump rate (l/min / GPM) 20		15	66'	15	25' 7"
Well production (l/min / GPM) 30		20	68' 5"	20	↓
Disinfected? ☒ Yes ☐ No		25	70' 9"	25	
		30	73' 4"	30	
		40	75' 8"	40	
		50	76' 3"	50	
		60	77' 7"	60	

Map of Well Location

Please provide a map below following instructions on the back.

APPLE ORCHARD ROAD

2 km

④

120

#6391 Blossom
Trail Drive

Comments:

Well owner's information package delivered ☒ Yes ☐ No	Date Package Delivered 2009 04 16 Date Work Completed 2009 04 15	Ministry Use Only Audit No. Z 94625 JUN 03 2009 Received _____
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Measurements recorded in: ☒ Metric ☐ Imperial

Page 1 of 1

Well Owner's Information

First Name: LEITRINK SOUTH Last Name / Organization: HOUNNBS E-mail Address: 96 OTTAWA GREENBELT CONSTRUCTION Well Constructed by Well Owner: ☐

Mailing Address (Street Number/Name): 180 CITIGATE DRIVE Municipality: OTTAWA Province: ON Postal Code: K2J 6H6 Telephone No. (inc. area code): 613 291 1234

Well Location

Address of Well Location (Street Number/Name): 4808 4858 BANK ST. Township: GUILFESTER Lot: 22 Concession: 4(RF).

County/District/Municipality: OTTAWA City/Town/Village: OTTAWA Province: Ontario Postal Code:

UTM Coordinates Zone: Easting: Northing: Municipal Plan and Sublot Number: Other:

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)
WELL DIA.	STATIC WATER LEVEL	(GRS/Easy)	(GRS/Heavy)	(DEPTH)
1329A	32mm OAD	18452902	5016827	0.00-2.20
1329B	38mm OAD	18452902	5016827	0.00-5.20

Annular Space			Results of Well Yield Testing					
Depth Set at (m/ft)		Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)	After test of well yield, water was: ☐ Clear and sand free ☐ Other, specify _____ If pumping discontinued, give reason: Pump intake set at (m/ft)	Draw Down		Recovery	
From	To				Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
Sealant HEP plug and Tef Plug Dentonite grout.			0.03		Static Level			
					1		1	
					2		2	
					3		3	

Method of Construction		Well Use	
☐ Cable Tool	☐ Diamond	☐ Public	☐ Commercial
☐ Rotary (Conventional)	☐ Jetting	☐ Domestic	☐ Municipal
☐ Rotary (Reverse)	☐ Driving	☐ Livestock	☒ Test Hole
☐ Boring	☐ Digging	☐ Irrigation	☐ Cooling & Air Conditioning
☐ Air percussion		☐ Industrial	☒ Monitoring
☐ Other, specify		☐ Other, specify	

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)	From	To
	PVC				

Construction Record - Screen				Status of Well	
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	From	To

Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, specify	Depth (m/ft)	Diameter (cm/in)
		From	To

Well Contractor and Well Technician Information

Business Name of Well Contractor: STATION DRILLING INC. Well Contractor's Licence No.: 4875

Business Address (Street Number/Name): 157 FILE ARCHES DR, BOX 219 Municipality: FARMINGTON

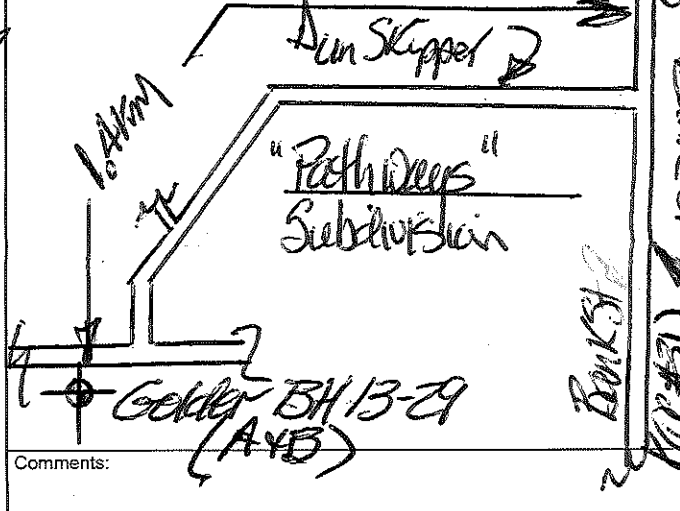
Province: ON Postal Code: K0A2X0 Business E-mail Address: stationdrilling@bell.net

Bus. Telephone No. (inc. area code): 613 664 5672 Name of Well Technician (Last Name, First Name): STATION, PETER

Well Technician's Licence No.: 0086 Signature of Technician and/or Contractor: Date Submitted: 20180913

Map of Well Location

Please provide a map below following instructions on the back.



Well owner's information package delivered		Date Package Delivered		Ministry Use Only	
☐ Yes	☒ No	Y Y Y Y	M M D D	Audit No.	2252131
		Date Work Completed		Received	SEP 10 2019



Tag#: A247971

Measurements recorded in: ☐ Metric ☒ Imperial

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	Hindu Temple of Ottawa-Carleton	hindutempleottawacarleton@gmail.com	
Mailing Address (Street Number/Name)	Municipality	Province	Postal Code
4835 Bank St	Ottawa	ON	K1X 1G6
Telephone No. (inc. area code)			

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	Eastings	Northings	Municipal Plan and Sublot Number
NAD 83	18	4539545017560	
Other			

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	To
Gray	fill	fill, sand	Very Dense	0'	14'10"

Annular Space			
Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0'	8'8"	Bentonite	2.9m³
8'8"	14'10"	Silica Sand	3.8m³

Method of Construction		Well Use	
☐ Cable Tool	☐ Diamond	☐ Public	☐ Commercial
☐ Rotary (Conventional)	☐ Jetting	☐ Domestic	☐ Municipal
☐ Rotary (Reverse)	☐ Driving	☐ Livestock	☐ Test Hole
☒ Boring	☐ Digging	☐ Irrigation	☐ Cooling & Air Conditioning
☐ Air percussion		☐ Industrial	
☐ Other, specify		☐ Other, specify	

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To	
2.067	PVC	0.154	0'	9'10"	☐ 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				Status of Well	
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	To	
2.375	PC	3	9'10"	14'10"	☐ 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		Hole Diameter	
Water found at Depth	Kind of Water: ☐ Fresh ☒ Untested	Depth (m/ft) From	To
11' (m/ft) ☐ Gas	☐ Other, specify	0'	14'10"
Water found at Depth	Kind of Water: ☐ Fresh ☐ Untested		
(m/ft) ☐ Gas	☐ Other, specify		
Water found at Depth	Kind of Water: ☐ Fresh ☐ Untested		
(m/ft) ☐ Gas	☐ Other, specify		

Well Contractor and Well Technician Information					
Business Name of Well Contractor	Well Contractor's Licence No.				
CLL Geotechnical/Environmental Drilling	7 5 4 3				
Business Address (Street Number/Name)	Municipality				
48-2127 Edinburgh Place	Ottawa				
Province	Postal Code	Business E-mail Address			
ON	K1X 1G6	mwebb@cccgroupp.ca			
Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)				
613 737 5229	Seymour, Vincent				
Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted			
3 3 0		2019 09 24			

Results of Well Yield Testing			
After test of well yield, water was:		Draw Down	
☐ Clear and sand free		Time (min)	Water Level (m/ft)
☐ Other, specify		Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:		Static Level	
Pump intake set at (m/ft)		1	1
Pumping rate (l/min / GPM)		2	2
Duration of pumping		3	3
hrs + min		4	4
Final water level end of pumping (m/ft)		5	5
If flowing give rate (l/min / GPM)		10	10
Recommended pump depth (m/ft)		15	15
Recommended pump rate (l/min / GPM)		20	20
Well production (l/min / GPM)		25	25
Disinfected?		30	30
☐ Yes ☐ No		40	40
		50	50
		60	60

Map of Well Location	
Please provide a map below following instructions on the back.	
Bank St	
Comments:	
Well owner's information package delivered	Date Package Delivered
☐ Yes ☒ No	Y Y Y Y M M D D
Date Work Completed	2019 09 24
Ministry Use Only	
Audit No. 2286383	
OCT 22 2019	



Measurements recorded in: ☐ Metric ☒ Imperial

Tag#: A247970

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization <i>Hindu Temple of Ottawa Carleton</i>	E-mail Address <i>hindutempleottawa@gmail.com</i>	☐ Well Constructed by Well Owner
Mailing Address (Street Number/Name) <i>4835 Bank St</i>	Municipality <i>Ottawa</i>	Province <i>ON</i>	Postal Code <i>K1K1G6</i>
Telephone No. (inc. area code)			

Well Location

Address of Well Location (Street Number/Name) <i>4835 Bank St</i>	Township	Lot	Concession
County/District/Municipality	City/Town/Village <i>Ottawa</i>	Province Ontario	Postal Code
UTM Coordinates NAD 83 <i>18 45 39 86 50 175 42</i>	Municipal Plan and Sublot Number	Other	

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	To
<i>Grey</i>	<i>Fill</i>	<i>Fill Sand</i>	<i>Very Dense</i>	<i>0'</i>	<i>13'</i>

Annular Space			
Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m ³ /ft ³)
<i>0'</i>	<i>7'</i>	<i>Bentonite 3/8 chips 2"</i>	<i>2.55</i>
<i>7'</i>	<i>13'</i>	<i>Silica Sand</i>	<i>2.94</i>

Method of Construction		Well Use	
☐ Cable Tool	☐ Diamond	☐ Public	☐ Commercial
☐ Rotary (Conventional)	☐ Jetting	☐ Domestic	☐ Municipal
☐ Rotary (Reverse)	☐ Driving	☐ Livestock	☐ Test Hole
☒ Boring	☐ Digging	☐ Irrigation	☐ Cooling & Air Conditioning
☐ Air percussion		☐ Industrial	☒ Monitoring
☐ Other, specify _____		☐ Other, specify _____	

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To	
<i>2.667</i>	<i>PVC</i>	<i>0.154</i>	<i>0'</i>	<i>8'</i>	☐ 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	To
2.375	PVC	3	8'	13'

☐ Insufficient Supply

☐ Abandoned, Poor Water Quality

☐ Abandoned, other, specify

☐ Other, specify

Water Details		Hole Diameter	
Water found at Depth <i>10'</i> (m/ft) ☐ Gas ☒ Other, specify _____	Kind of Water: ☐ Fresh ☒ Untested	Depth (m/ft) From	To
Water found at Depth (m/ft) ☐ Gas ☒ Other, specify _____	Kind of Water: ☐ Fresh ☐ Untested	<i>0'</i>	<i>13'</i>
Water found at Depth (m/ft) ☐ Gas ☒ Other, specify _____	Kind of Water: ☐ Fresh ☐ Untested		
Water found at Depth (m/ft) ☐ Gas ☒ Other, specify _____	Kind of Water: ☐ Fresh ☐ Untested		
Water found at Depth (m/ft) ☐ Gas ☒ Other, specify _____	Kind of Water: ☐ Fresh ☐ Untested		

Well Contractor and Well Technician Information			
Business Name of Well Contractor <i>CEL Geotechnical and Environmental Drilling</i>	Well Contractor's Licence No. <i>75413</i>		
Business Address (Street Number/Name) <i>482627 Edinboro Place</i>	Municipality <i>Ottawa</i>		
Province <i>ON</i>	Postal Code <i>K1B5M1</i>	Business E-mail Address	
Bus. Telephone No. (inc. area code) <i>6137325227</i>	Name of Well Technician (Last Name, First Name) <i>SEAN VINCENT</i>		
Well Technician's Licence No. <i>3380</i>	Signature of Technician and/or Contractor <i>[Signature]</i>	Date Submitted <i>20190924</i>	

Results of Well Yield Testing					
After test of well yield, water was: ☐ Clear and sand free ☐ Other, specify _____		Draw Down		Recovery	
		Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:		Static Level			
		1		1	
Pump intake set at (m/ft)		2		2	
Pumping rate (l/min / GPM)		3		3	
Duration of pumping ____ hrs + ____ min		4		4	
		5		5	
Final water level end of pumping (m/ft)		10		10	
If flowing give rate (l/min / GPM)		15		15	
		20		20	
Recommended pump depth (m/ft)		25		25	
		30		30	
Recommended pump rate (l/min / GPM)		40		40	
Well production (l/min / GPM)		50		50	
		60		60	
Disinfected? ☐ Yes ☐ No					

Map of Well Location	
Please provide a map below following instructions on the back.	
<i>Bank St Hwy 31</i>	
<i>Temple</i>	
Comments:	
Well owner's information package delivered ☐ Yes ☒ No	Date Package Delivered Y Y Y Y M M D D <i>20190924</i>
Date Work Completed <i>20190924</i>	Ministry Use Only Audit No. <i>2286385</i> Received <i>OCT 22 2019</i>



Measurements recorded in: ☐ Metric ☒ Imperial

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	Hindu Temple of Ottawa/Gileston	hindutemple@gmail.com	
Mailing Address (Street Number/Name)	Municipality	Province	Postal Code
4835 Bank St	Ottawa	ON	K1X1K6
Telephone No. (inc. area code)			

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	K1X1K6
UTM Coordinates	Zone	Easting	Northing
NAD 83	18	4531946	5017598
Municipal Plan and Sublot Number		Other	

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)
Grey	Fill	Sand, F.I.	Very Dense	0' 13'3"

Annular Space			
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)	
0' 7'	Benkote	2.5A	
7' 13'3"	Silica Sand	3A	

Method of Construction	Well Use
☐ Cable Tool ☐ Rotary (Conventional) ☐ Rotary (Reverse) ☒ Boring ☐ Air percussion ☐ Other, specify	☐ Diamond ☐ Jetting ☐ Driving ☐ Digging ☐ Public ☐ Domestic ☐ Livestock ☐ Irrigation ☐ Industrial ☐ Other, specify
☐ Commercial ☐ Municipal ☐ Test Hole ☐ Cooling & Air Conditioning ☐ Not used ☐ Dewatering ☒ Monitoring	

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		
2.067	PVC	0.54	0' 8'3"	☐ 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				Status of Well	
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		
2.375	PVC	3	8'3" 13'3"	☐ 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		Hole Diameter	
Water found at Depth	Kind of Water: ☐ Fresh ☒ Untested	Depth (m/ft)	Diameter (cm/in)
10' (m/ft) ☐ Gas ☐ Other, specify		From To	
Water found at Depth	Kind of Water: ☐ Fresh ☐ Untested	0" 13'3"	8"
(m/ft) ☐ Gas ☐ Other, specify			
Water found at Depth	Kind of Water: ☐ Fresh ☐ Untested		
(m/ft) ☐ Gas ☐ Other, specify			

Well Contractor and Well Technician Information			
Business Name of Well Contractor	Well Contractor's Licence No.		
CC Geotechnical and Environmental Drilling	75413		
Business Address (Street Number/Name)	Municipality		
49-267 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)		
613 737 5227	Sedmore, Vincent		
Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted	
3380	[Signature]	4/18/2014	

Results of Well Yield Testing			
After test of well yield, water was:		Draw Down	
☐ Clear and sand free ☐ Other, specify		Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:		Time (min)	Water Level (m/ft)
Pump intake set at (m/ft)		1	1
Pumping rate (l/min / GPM)		2	2
Duration of pumping		3	3
hrs + min		4	4
Final water level end of pumping (m/ft)		5	5
If flowing give rate (l/min / GPM)		10	10
Recommended pump depth (m/ft)		15	15
Recommended pump rate (l/min / GPM)		20	20
Well production (l/min / GPM)		25	25
Disinfected?		30	30
☐ Yes ☐ No		40	40
		50	50
		60	60

Map of Well Location	
Please provide a map below following instructions on the back.	
Bank St Temple	
Comments:	
Well owner's information package delivered	Date Package Delivered
☐ Yes ☒ No	Y Y Y Y M M D D
Date Work Completed	20140924
Ministry Use Only	
Audit No.	2286384
Received	777719

Measurements recorded in: ☐ Metric ☒ Imperial

Page _____ of _____

Well Owner's Information

First Name Erin	Last Name / Organization O'Connor Regional Group	E-mail Address erocconnor@regionalgroup.com	☐ Well Constructed by Well Owner
Mailing Address (Street Number/Name) 1737 Woodward Drive	Municipality Ottawa	Province Ont	Postal Code K2C0P9
Telephone No. (inc. area code) 613 230 2100			

Well Location

Address of Well Location (Street Number/Name) 4840 Bank Street	Township Ottawa	Lot	Concession
County/District/Municipality Ottawa Carleton	City/Town/Village Ottawa	Province Ontario	Postal Code K1X1G6
UTM Coordinates Zone NAD 83	Easting 184535	Northing 195016368	Municipal Plan and Sublot Number
Other			

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	To
			Decommission of Stone Dug well 36 inch Dia + 12 Ft Depth	-5	10 Ft
	Clean Clay material / Bentonite Hole Plug		4 Bags	10 Ft	12 Ft
			Decommission of Drilled well 5 inch Dia + 75 Ft Depth		
	Drilled well inside dug well	Bentonite 4 Bag		-5	30 Ft
	Clean Clear stone	6 Buckett		30 Ft	60 Ft
	Bentonite Hole Plug	3 Bag		60 Ft	75 Ft

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

Method of Construction		Well Use		
☒ Cable Tool	☐ Diamond	☐ Public	☐ Commercial	☒ Not used
☐ Rotary (Conventional)	☐ Jetting	☐ Domestic	☐ Municipal	☐ Dewatering
☐ Rotary (Reverse)	☐ Driving	☐ Livestock	☐ Test Hole	☐ Monitoring
☐ Boring	☒ Digging	☐ Irrigation	☐ Cooling & Air Conditioning	
☐ Air percussion		☐ Industrial		
☐ Other, specify _____		☐ Other, specify _____		

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To	
					☐ 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 not in use
					☐ Other, specify _____

Construction Record - Screen				Status of Well	
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	To	
					☐ 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 not in use
					☐ Other, specify _____

Water Details		Hole Diameter	
Water found at Depth (m/ft) ☐ Gas ☐ Other, specify _____	Kind of Water: ☐ Fresh ☐ Untested	Depth (m/ft) From	To
Water found at Depth (m/ft) ☐ Gas ☐ Other, specify _____	Kind of Water: ☐ Fresh ☐ Untested		
Water found at Depth (m/ft) ☐ Gas ☐ Other, specify _____	Kind of Water: ☐ Fresh ☐ Untested		

Well Contractor and Well Technician Information			
Business Name of Well Contractor Raymond Pump + well	Well Contractor's Licence No. 722610		
Business Address (Street Number/Name) Box 18, 147 Principale St	Municipality NATION		
Province ON	Postal Code K0A7K0	Business E-mail Address clabrosse-09@hotmail.com	
Bus. Telephone No. (inc. area code) 613 913 1924	Name of Well Technician (Last Name, First Name) RAYMOND JACQUES		
Well Technician's Licence No. 0264	Signature of Technician and/or Contractor <i>[Signature]</i>	Date Submitted 2019/12/02	

Results of Well Yield Testing			
After test of well yield, water was: ☐ Clear and sand free ☐ Other, specify _____		Draw Down	
If pumping discontinued, give reason:		Time (min)	Water Level (m/ft)
Pump intake set at (m/ft)		1	1
Pumping rate (l/min / GPM)		2	2
Duration of pumping hrs + min		3	3
Final water level end of pumping (m/ft)		4	4
If flowing give rate (l/min / GPM)		5	5
Recommended pump depth (m/ft)		10	10
Recommended pump rate (l/min / GPM)		15	15
Well production (l/min / GPM)		20	20
Disinfected? ☐ Yes ☐ No		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 ☒ Yes ☐ No	Date Package Delivered Y Y Y Y M M D D 2019/12/02
Date Work Completed 2019/12/02	Ministry Use Only Audit No. 2307113 JAN 10 2020 Received



-SEE BELOW-

Measurements recorded in: ☒ Metric ☐ Imperial

Well Owner's Information

First Name: LETAIR, Last Name / Organization: SOUTH HOLDINGS INC, E-mail Address: TO TOMLINSON GROUP, ☐ Well Constructed by Well Owner

Mailing Address (Street Number/Name): 180 CITIGATE, Municipality: OTTAWA, Province: ON, Postal Code: K2H 6A7, Telephone No. (inc. area code): 613 692 3222

Well Location

Address of Well Location (Street Number/Name): N/A, Township: GLOUCESTER (E), Lot: 21, Concession: A

County/District/Municipality: OTTAWA, City/Town/Village: OTTAWA, Province: Ontario, Postal Code:

UTM Coordinates Zone: Easting: Nothing, NAD: 83, Municipal Plan and Sublot Number: , Other:

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

General Colour	Most Common Material		Other Materials	General Description		Depth (m/ft)	
WELL	NA. (mm)	STATIC WATER LEVEL (m)	GPS EASTING	GPS NORTHING	TAG	From	To
1318 g	38	3.09	18453000	5017309	—	0-3.21	
" h	38	3.47	"	"		0-6.91	
131 g	50	1.88	18453156	5017343	—	0-2.0	
131 b	50	2.20	18453154	5017343	—	0-4.1	

Annular Space		
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
From To		
see above	Heliplex / Red Plug	0.03
	Penetrant grade	

Method of Construction		Well Use	
☐ Cable Tool	☐ Diamond	☐ Public	☐ Commercial
☐ Rotary (Conventional)	☐ Jetting	☐ Domestic	☐ Municipal
☐ Rotary (Reverse)	☐ Driving	☐ Livestock	☐ Test Hole
☐ Boring	☐ Digging	☐ Irrigation	☐ Cooling & Air Conditioning
☐ Air percussion		☐ Industrial	
☐ Other, specify		☐ Other, specify	

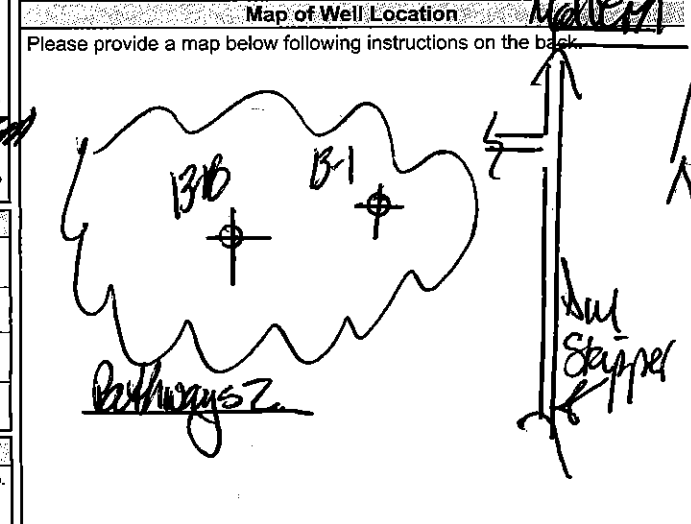
Construction Record - Casing			Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)	
			From To	
	PK			☐ Water Supply
				☐ Replacement Well
				☐ Test Hole
				☐ Recharge Well
				☐ Dewatering Well
				☒ Observation and/or Monitoring Hole
				☐ Alteration (Construction)
				☐ Abandoned, Insufficient Supply
				☐ Abandoned, Poor Water Quality
				☒ Abandoned, other, specify
				☐ Other, specify

Construction Record - Screen			Status of Well	
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From To	
				☒ Constructed
				☐ Other, specify

Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, specify	Depth (m/ft)	Diameter (cm/in)
		From To	
Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, specify		
Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, specify		

Well Contractor and Well Technician Information			
Business Name of Well Contractor: STANLEY DRILLING INC	Well Contractor's Licence No.: 4875	Business Address (Street Number/Name): 157 FIVE ACRES DR, BOX 219	Municipality: Pakenham
Province: ON	Postal Code: K0A 2X0	Business E-mail Address: Stanley.drilling@bell.net	
Bus. Telephone No. (inc. area code): (613) 692-0622	Name of Well Technician (Last Name, First Name): STANLEY, PETER	Well Technician's Licence No.: 0086	Signature of Technician and/or Contractor: [Signature]
			Date Submitted: 2020/04/26

Results of Well Yield Testing			
Draw Down		Recovery	
Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
Static Level			
1		1	
Pump intake set at (m/ft)		2	
2		3	
Pumping rate (l/min / GPM)		4	
3		5	
Duration of pumping		6	
hrs + min		7	
Final water level end of pumping (m/ft)		8	
9		9	
If flowing give rate (l/min / GPM)		10	
11		11	
12		12	
13		13	
14		14	
15		15	
16		16	
17		17	
18		18	
19		19	
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57		57	
58		58	
59		59	
60		60	



Comments:	
Refer to Golden B-121-0083 for borehole site plan	
Well owner's information package delivered: ☒ Yes ☐ No	Date Package Delivered: Y Y Y Y M M D D
Date Work Completed: 2020/04/26	Ministry Use Only
	Audit No.: 322883
	Received: APR 08 2020

Form 5

316/52

UTM 118Z 4530110E

9R 501162910N

Elev. 9R 01303+

Basin 25

Con IV

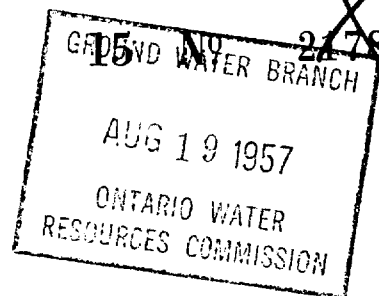
10+22



ONTARIO

The Water-well Drillers Act, 1954

Department of Mines



Water-Well Record

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

In Village, Town or City

Address Belling Bridge

(day)

(month)

(year)

Pipe and Casing Record

Pumping Test

Casing diameter(s) 4" Static level 13

Length(s) 23 feet Pumping rate 240 gal PH

Type of screen 1 Pumping level 50 feet

Length of screen Duration of test 1 hour

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)
<u>hard gravelly</u>			<u>48 feet</u>	<u>37'</u>	<u>fresh</u>
<u>Clay & Sand</u>	<u>0</u>	<u>18</u>			<u>very hard</u>
<u>& boulders</u>					
<u>Very hard lime</u>	<u>18</u>	<u>50</u>			
<u>Stone Rock</u>					

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

house hold use onlyIs water clear or cloudy? Clear

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

uplands

Drilling firm

Address

Name of Driller James KettlesAddress ParmayvilleLicence Number 337

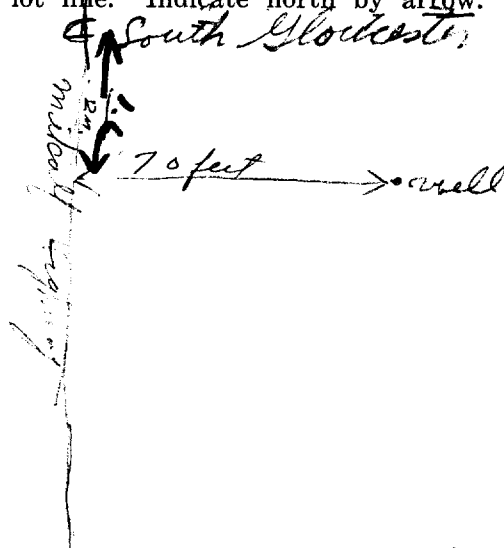
I certify that the foregoing statements of fact are true.

Date Aug 15 James Kettles

Signature of Licensee

Location of Well

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



4 F

Elev. 42R 10325

Basin 25

County or District Carleton

Township, Village, Town or City Gloucester

Con 4 R F

Lot P.T.22

Date completed 6 10 1961

Address 28 Clarence St. Ottawa 2, Ont.

Casing and Screen Record	Pumping Test
Inside diameter of casing 6 3/16	Static level 20'
Total length of casing 21'	Test-pumping rate 80 G.P.M.
Type of screen	Pumping level 70'
Length of screen	Duration of test pumping 1 hr.
Depth to top of screen	Water clear or cloudy at end of test clear
Diameter of finished hole 6"	Recommended pumping rate 80 G.P.M.
	with pump setting of 80 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)
~~Till and Boulder, Grey hard lime stone~~	~~0~~	~~16~~	85	fresh
~~and sand stone.~~	~~16~~	~~25~~		
~~SAND STONE~~	~~25~~	~~89~~		
BOULDER TILL	0	16		
HARD GREY LIMESTONE	16	25		
SAND STONE	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

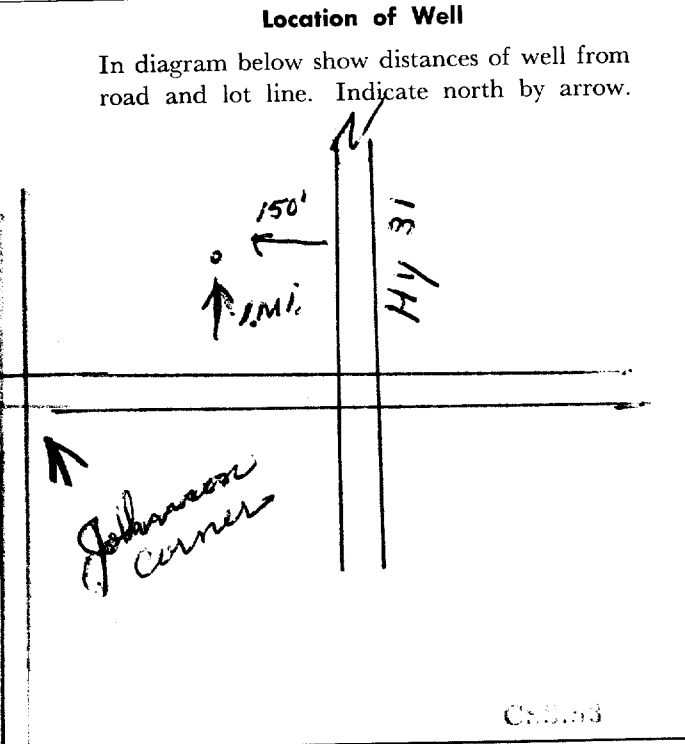
Address Hull

Date Oct 10/60

(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.

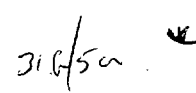


Form 7 15M Sets 60-5930

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CHS-53

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~~SH-1022~~

DAY 24 MO ~~Nov.~~ VR 72

DAY 24 MO ~~Nov.~~ VR 72

HING

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ELEVATION

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BASIN CODE

11

III

IV

1

OFFICE USE ONLY	DATA SOURCE	58	CONTRACTOR	59-62	DATE RECEIVED	63-68	80
	1		3002		150173		
	DATE OF INSPECTION		INSPECTOR				
			K				
REMARKS:						P K	
						WI	



File Number: D06-03-25-0083

September 22, 2025

Carson de Ridder
Paterson Group

Sent via email [cderidder@patersongroup.ca]

Dear Carson,

Re: Information Request
4850 Bank St, Ottawa, Ontario ("Subject Property")

Internal Department Circulation:

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

- **Environmental Remediation Unit:** No information found pertaining to the subject property.
- **Sewer Use Program:** No information found pertaining to the subject property.
- **Solid Waste Services:** No information found pertaining to the subject property.
- **Ottawa Public Health - Environmental Health:** all public inspection results are publicly available on the Ottawa Public Health website:
<https://www.ottawapublichealth.ca/en/public-health-services/public-health-inspections.aspx>

Documents Provided:

HLUI Summary Report and HLUI Map

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

For more information on how to interpret the HLUI data identified in the attached excel sheet ('HLUI Summary report – 295 Roger Neilson Way.xlsx'), please refer to the [Overview and User Guide](#)."

Additional information may be obtained by contacting:

Ontario's Environmental Registry

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

The Ontario Land Registry Office

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

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

Ottawa Public Health

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

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

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

Furthermore, the HLUI database and the results of this search in no way confirm the presence or absence of contamination or pollution of any kind. This information is provided on the assumption that it will not be relied upon by any person for any

purpose whatsoever. The City of Ottawa denies all liability to any persons attempting to rely on any information provided from the HLUI database.

Please note that in responding to your request, the City of Ottawa does not guarantee or comment on the environmental condition of the Subject Property. You may wish to contact the Ontario Ministry of Environment and Climate Change for additional information.

If you have any further questions or comments, please contact HLUI@ottawa.ca.

Sincerely,

Bator Toth

Planning Student

Planning, Development and Building Services

Services de la planification, de l'aménagement et du bâtiment

110 Laurier Avenue West | 110, avenue. Laurier ouest

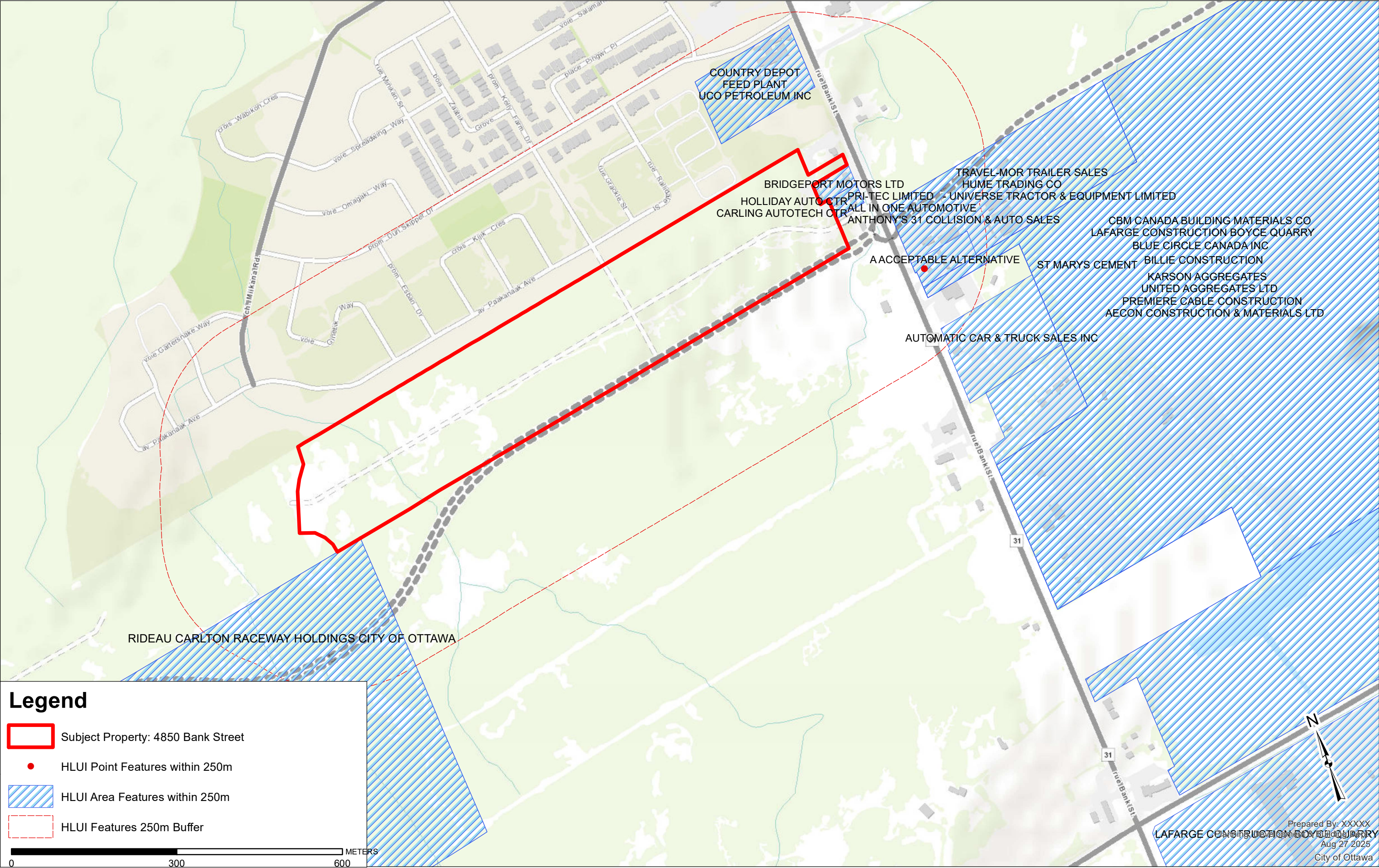
Ottawa (Ontario) K1P 1J

Enclosures: (2)

1. HLUI Map
2. HLUI Summary Report

cc: File no. D06-03-25-0083

HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP - 4850 BANK STREET



HLUI Search Within 250m Radius, Landfill Search Within 500m Radius, of Subject Area(s)

OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	TANK_LOCATION	TANK_CONTENT	TANK_SIZE	TANK_TYPE	TANK_STATUS	SOURCE	INSTALLED_SIT_NUM	INSTALLED_ST_NAME	INSTALLED_ST_ABR	INSTALLED_ST_DIR	COMMENT_	MTM_X	MTM_Y	IMAGE_MAP	IMAGE_CERTAINTY	IMAGE_MAP_2	TANK_MATERIAL	TANK_ID	TANK_LEAKING	TANK_REMOVED	REMOVED_DATE	DATE_INSTALLED	NATURE_OF_BUSINESS	SCANNED_DRAWING	TEMPREC_ORCID	CAPACITY_UOM	MUNICIPALITY	POSTCODE
8628	HUME TRADING CO LTD	Gasoline Station-FS		gasoline	5000.000000000000000	Cancelled	Current	GW Study 2004	4869	BANK	ST	<Null>	21/09/20 Location Updated	376568.489717879972886	5018852.848099909722805		2							19830401	Retail		2190.000000000000000	L	GLOUCESTER	K1G 3N4
8495	HUME TRADING CO LTD	Gasoline Station-FS		gasoline	3000.000000000000000	Cancelled	Current	GW Study 2004	4869	BANK	ST	<Null>	21/09/20 Location Updated	376568.489717879972886	5018852.848099909722805		2							19830401	Retail		2189.000000000000000	L	GLOUCESTER	K1G 3N4
8494	HUME TRADING CO LTD	Gasoline Station-FS		gasoline	3000.000000000000000	Cancelled	Current	GW Study 2004	4869	BANK	ST	<Null>	21/09/20 Location Updated	376568.489717879972886	5018852.848099909722805		2							19830401	Retail		2188.000000000000000	L	GLOUCESTER	K1G 3N4



DATABASE REPORT

Project Property:	<i>MOECP Phase I ESA for 4850 Bank Street 4850 Bank Street Gloucester ON K1X 1G6</i>
Project No:	<i>PE6336</i>
Report Type:	<i>Quote - Custom-Build Your Own Report</i>
Order No:	<i>25072301182</i>
Requested by:	<i>Paterson Group Inc.</i>
Date Completed:	<i>July 23, 2025</i>

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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.

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Executive Summary

Property Information:

Project Property: *MOECP Phase I ESA for 4850 Bank Street
4850 Bank Street Gloucester ON K1X 1G6*

Project No: *PE6336*

Order Information:

Order No: *25072301182*

Date Requested: *July 23, 2025*

Requested by: *Paterson Group Inc.*

Report Type: *Quote - Custom-Build Your Own Report*

Historical/Products:

ERIS Xplorer [*ERIS Xplorer*](#)

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	3	3
CA	Certificates of Approval	Y	0	1	1
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	4	4
EASR	Environmental Activity and Sector Registry	Y	0	1	1
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	6	6
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	9	9
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	6	6
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	4	4
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	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	4	4
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	4	4
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

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	1	21	22
Total:			1	66	67

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 22 con 4 ON <i>Well ID:</i> 1502177	ENE/0.0	-7.60	25

Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
<u>2</u>	EHS		4852 Bank Street Ottawa ON	ENE/3.2	-8.24	<u>27</u>
<u>3</u>	ECA	Pathways South Regional Inc.	Ottawa ON K2C 0P9	WSW/6.8	-6.46	<u>28</u>
<u>4</u>	WWIS		lot 22 con 4 ON Well ID: 1528501	WSW/9.5	-6.46	<u>28</u>
<u>5</u>	WWIS		lot 22 con 4 ON Well ID: 1534131	WSW/11.2	-6.44	<u>32</u>
<u>5</u>	WWIS		lot 22 con 4 ON Well ID: 1534133	WSW/11.2	-6.44	<u>36</u>
<u>6</u>	EHS		4858 Bank Street Ottawa ON	ENE/11.6	-7.60	<u>39</u>
<u>7</u>	BORE		ON	ENE/14.8	-5.46	<u>39</u>
<u>8</u>	WWIS		lot 22 con 4 ON Well ID: 1502180	ENE/27.1	-7.59	<u>40</u>
<u>9</u>	SPL	PRIVATE RESIDENCE	RESIDENCE AT 4860 BANK ST. FURNACE OIL TANK GLOUCESTER CITY ON K1X 1G6	ENE/28.4	-7.54	<u>43</u>
<u>10</u>	WWIS		lot 22 con 4 ON Well ID: 1502178	ENE/31.2	-7.58	<u>44</u>
<u>11</u>	WWIS		lot 22 con 4 ON Well ID: 1512375	ENE/31.6	-8.30	<u>46</u>
<u>12</u>	WWIS		lot 22 con 4 ON	NE/38.6	-4.24	<u>49</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1514664			
<u>13</u>	PTTW	4840 Bank St. Ltd.	4840 Bank Street Canada ON	NE/52.9	-5.41	<u>53</u>
<u>13</u>	ECA	Leitrim South Holdings Inc.	4800 Bank St 4840 Bank Street Ottawa ON K2C 0P9	NE/52.9	-5.41	<u>54</u>
<u>13</u>	ECA	Pathways South Regional Inc.	4840 Bank St Part of Lot 22, Concession 4 (Rideau Front) Ottawa ON K2C 0P9	NE/52.9	-5.41	<u>54</u>
<u>13</u>	ECA	Pathways South Regional Inc.	4840 Bank St Ottawa ON K2C 0P9	NE/52.9	-5.41	<u>54</u>
<u>13</u>	EASR	RON EASTERN CONSTRUCTION LTD.	4840 Bank ST Ottawa ON K1X 1G6	NE/52.9	-5.41	<u>55</u>
<u>13</u>	EHS		4840 Bank St/Pathways Block 204 Ottawa ON	NE/52.9	-5.41	<u>55</u>
<u>14</u>	WWIS		lot 22 con 5 ON Well ID: 1512265	ENE/80.0	-6.85	<u>55</u>
<u>15</u>	WWIS		lot 22 con 4 ON Well ID: 1513436	NE/118.5	-5.48	<u>58</u>
<u>16</u>	BORE		ON	E/120.1	-4.93	<u>62</u>
<u>17</u>	WWIS		lot 23 con 5 ON Well ID: 1510717	E/120.2	-4.93	<u>63</u>
<u>18</u>	WWIS		lot 23 con 5 ON Well ID: 1502250	ENE/121.2	-5.08	<u>66</u>
<u>19</u>	WWIS		lot 22 con 4 ON Well ID: 7341451	W/139.5	-8.68	<u>69</u>
<u>20</u>	GEN	UPI INC. 39-454	HIGHWAY #31 SOUTH, 4836 BANK ST. OTTAWA ON K1G 3N4	NE/139.5	-5.54	<u>71</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>20</u>	GEN	UCO PETROLEUM INC. 39-454	HWY#31 SOUTH, 4836 BANK ST. OTTAWA ON K1G 3N4	NE/139.5	-5.54	<u>71</u>
<u>20</u>	PES	OTTAWA FEED & HARDWARE INC	4836 BANK ST GLOUCESTER ON K1X 1G6	NE/139.5	-5.54	<u>72</u>
<u>20</u>	PES	OTTAWA FEED & HARDWARE INC	4836 BANK ST GLOUCESTER ON K1X 1G6	NE/139.5	-5.54	<u>72</u>
<u>20</u>	PES	OTTAWA FEED & HARDWARE INC	4836 BANK ST GLOUCESTER ON K1X1G6	NE/139.5	-5.54	<u>72</u>
<u>20</u>	EHS		4836 Bank Street Ottawa ON	NE/139.5	-5.54	<u>73</u>
<u>20</u>	EHS		4836 Bank Street Ottawa Ontario Gloucester ON K1X 1G6	NE/139.5	-5.54	<u>73</u>
<u>20</u>	ECA	2668867 Ontario Inc.	4836 Bank St Ottawa Ottawa ON K1X 1G6	NE/139.5	-5.54	<u>73</u>
<u>20</u>	PES		4836 BANK ST GLOUCESTER ON K1X 1G6	NE/139.5	-5.54	<u>74</u>
<u>21</u>	EHS		4861 Bank Street Gloucester ON K1X 1G6	ENE/141.0	-5.66	<u>74</u>
<u>22</u>	EHS		4836 Bank Street Gloucester ON K1X 1G6	NE/148.9	-5.54	<u>74</u>
<u>23</u>	WWIS		lot 23 con 5 ON Well ID: 1514840	ENE/154.2	-4.63	<u>74</u>
<u>24</u>	PRT	HUME TRADING CO LTD	4869 BANK ST GLOUCESTER ON	E/173.7	-3.24	<u>77</u>
<u>24</u>	PRT	PIONEER PETROLEUMS ATTN LOLA LAURIE	4869 BANK ST RR 6 SOUTH GLOUCESTER ON	E/173.7	-3.24	<u>78</u>

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
24	PRT	MK GAS	4869 BANK ST RR 6 SOUTH GLOUCESTER ON	E/173.7	-3.24	78
24	DTNK	MK GAS	4869 BANK ST RR 6 SOUTH GLOUCESTER ON K4C 1C1	E/173.7	-3.24	78
24	DTNK	PIONEER ENERGY MANAGEMENT INC.	4869 BANK ST RR 6 SOUTH GLOUCESTER ON K4C 1C1	E/173.7	-3.24	79
24	DTNK	HUME TRADING CO LTD	4869 BANK ST GLOUCESTER ON K1G 3N4	E/173.7	-3.24	79
24	EXP	MK GAS	4869 BANK ST RR 6 SOUTH GLOUCESTER ON	E/173.7	-3.24	80
24	EXP	HUME TRADING CO LTD	4869 BANK ST GLOUCESTER ON	E/173.7	-3.24	80
24	EXP	MK GAS	4869 BANK ST RR 6 SOUTH GLOUCESTER ON	E/173.7	-3.24	80
24	EXP	MK GAS	4869 BANK ST RR 6 SOUTH GLOUCESTER ON	E/173.7	-3.24	80
24	EXP	HUME TRADING CO LTD	4869 BANK ST GLOUCESTER ON	E/173.7	-3.24	81
24	EXP	HUME TRADING CO LTD	4869 BANK ST GLOUCESTER ON	E/173.7	-3.24	81
25	WWIS		lot 23 con 4 ON <i>Well ID:</i> 1530652	SW/195.8	-3.46	81
25	WWIS		lot 23 con 4 ON <i>Well ID:</i> 1530653	SW/195.8	-3.46	83
25	WWIS		lot 23 con 4 ON	SW/195.8	-3.46	87

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1530654			
25	WWIS		lot 23 con 4 ON	SW/195.8	-3.46	89
			Well ID: 1530655			
26	GEN	Cars For Less	4871 Bank Street Ottawa ON K1X 1G7	E/203.9	-1.65	91
26	EHS		4871 Bank St Ottawa ON K1X1G7	E/203.9	-1.65	91
27	WWIS		4835 Bank St lot 22 con 5 Ottawa ON	NE/214.0	-8.35	92
			Well ID: 7344681			
28	SPL		87 Dun Skipper Avenue Gloucester, Ontario OTTAWA ON	N/221.2	-4.54	94
29	WWIS		6391 BLOSSOM TRAIL lot 6 con 3 GREELY ON	S/224.3	-1.54	95
			Well ID: 7123641			
30	WWIS		lot 22 con 4 ON	NE/225.4	-7.39	102
			Well ID: 1502179			
31	BORE		ON	NE/225.5	-7.39	105
32	WWIS		4835 Bank St Ottawa ON	NE/230.4	-8.98	106
			Well ID: 7344680			
33	GEN	Heart and Stroke Foundation	Hindu Temple 4835 Bank Street, Gloucester Ottawa ON K1X 1G6	NE/244.9	-9.79	109
33	EHS		4835 Bank Street Ottawa ON	NE/244.9	-9.79	109
34	PRT	HUME TRADING CO LTD	4863 BANK ST GLOUCESTER ON	ENE/245.3	-2.46	109

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
34	CA	Hume Trading Company Limited	4863 Bank St Ottawa ON	ENE/245.3	-2.46	109
34	DTNK	HUME TRADING CO LTD	4863 BANK ST OTTAWA ON	ENE/245.3	-2.46	110
34	ECA	Hume Trading Company Limited	4863 Bank St Ottawa ON K1X 1G6	ENE/245.3	-2.46	110

Executive Summary: Summary By Data Source

BORE - Borehole

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

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	14.8	<u>7</u>
	ON	120.1	<u>16</u>
	ON	225.5	<u>31</u>

CA - Certificates of Approval

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

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Hume Trading Company Limited	4863 Bank St Ottawa ON	245.3	<u>34</u>

DTNK - Delisted Fuel Tanks

A search of the DTNK database, dated Oct 2023 has found that there are 4 DTNK site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
HUME TRADING CO LTD	4869 BANK ST GLOUCESTER ON K1G 3N4	173.7	<u>24</u>
PIONEER ENERGY MANAGEMENT INC.	4869 BANK ST RR 6 SOUTH GLOUCESTER ON K4C 1C1	173.7	<u>24</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
MK GAS	4869 BANK ST RR 6 SOUTH GLOUCESTER ON K4C 1C1	173.7	24
HUME TRADING CO LTD	4863 BANK ST OTTAWA ON	245.3	34

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011 - May 31, 2025 has found that there are 1 EASR site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
RON EASTERN CONSTRUCTION LTD.	4840 Bank ST Ottawa ON K1X 1G6	52.9	13

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011 - May 31, 2025 has found that there are 6 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Pathways South Regional Inc.	Ottawa ON K2C 0P9	6.8	3
Pathways South Regional Inc.	4840 Bank St Ottawa ON K2C 0P9	52.9	13
Pathways South Regional Inc.	4840 Bank St Part of Lot 22, Concession 4 (Rideau Front) Ottawa ON K2C 0P9	52.9	13
Leitrim South Holdings Inc.	4800 Bank St 4840 Bank Street Ottawa ON K2C 0P9	52.9	13
2668867 Ontario Inc.	4836 Bank St Ottawa Ottawa ON K1X 1G6	139.5	20

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Hume Trading Company Limited	4863 Bank St Ottawa ON K1X 1G6	245.3	<u>34</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 31, 2024 has found that there are 9 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	4852 Bank Street Ottawa ON	3.2	<u>2</u>
	4858 Bank Street Ottawa ON	11.6	<u>6</u>
	4840 Bank St/Pathways Block 204 Ottawa ON	52.9	<u>13</u>
	4836 Bank Street Ottawa Ontario Gloucester ON K1X 1G6	139.5	<u>20</u>
	4836 Bank Street Ottawa ON	139.5	<u>20</u>
	4861 Bank Street Gloucester ON K1X 1G6	141.0	<u>21</u>
	4836 Bank Street Gloucester ON K1X 1G6	148.9	<u>22</u>
	4871 Bank St Ottawa ON K1X1G7	203.9	<u>26</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	4835 Bank Street Ottawa ON	244.9	<u>33</u>

EXP - List of Expired Fuels Safety Facilities

A search of the EXP database, dated Oct 2023 has found that there are 6 EXP site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
HUME TRADING CO LTD	4869 BANK ST GLOUCESTER ON	173.7	<u>24</u>
HUME TRADING CO LTD	4869 BANK ST GLOUCESTER ON	173.7	<u>24</u>
MK GAS	4869 BANK ST RR 6 SOUTH GLOUCESTER ON	173.7	<u>24</u>
MK GAS	4869 BANK ST RR 6 SOUTH GLOUCESTER ON	173.7	<u>24</u>
HUME TRADING CO LTD	4869 BANK ST GLOUCESTER ON	173.7	<u>24</u>
MK GAS	4869 BANK ST RR 6 SOUTH GLOUCESTER ON	173.7	<u>24</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Dec 31, 2024 has found that there are 4 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
UPI INC. 39-454	HIGHWAY #31 SOUTH, 4836 BANK ST. OTTAWA ON K1G 3N4	139.5	<u>20</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
UCO PETROLEUM INC. 39-454	HWY#31 SOUTH, 4836 BANK ST. OTTAWA ON K1G 3N4	139.5	20
Cars For Less	4871 Bank Street Ottawa ON K1X 1G7	203.9	26
Heart and Stroke Foundation	Hindu Temple 4835 Bank Street, Gloucester Ottawa ON K1X 1G6	244.9	33

PES - Pesticide Register

A search of the PES database, dated Oct 2011 - May 31, 2025 has found that there are 4 PES site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
OTTAWA FEED & HARDWARE INC	4836 BANK ST GLOUCESTER ON K1X 1G6	139.5	20
OTTAWA FEED & HARDWARE INC	4836 BANK ST GLOUCESTER ON K1X 1G6	139.5	20
OTTAWA FEED & HARDWARE INC	4836 BANK ST GLOUCESTER ON K1X1G6	139.5	20
	4836 BANK ST GLOUCESTER ON K1X 1G6	139.5	20

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 4 PRT site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
MK GAS	4869 BANK ST RR 6 SOUTH GLOUCESTER ON	173.7	24

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
PIONEER PETROLEUMS ATTN LOLA LAURIE	4869 BANK ST RR 6 SOUTH GLOUCESTER ON	173.7	24
HUME TRADING CO LTD	4869 BANK ST GLOUCESTER ON	173.7	24
HUME TRADING CO LTD	4863 BANK ST GLOUCESTER ON	245.3	34

PTTW - Permit to Take Water

A search of the PTTW database, dated 1994 - Jun 30, 2025 has found that there are 1 PTTW site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
4840 Bank St. Ltd.	4840 Bank Street Canada ON	52.9	13

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jun 2024; Aug; Oct-Apr 2025 has found that there are 2 SPL site(s) within approximately 0.25 kilometers of the project property.

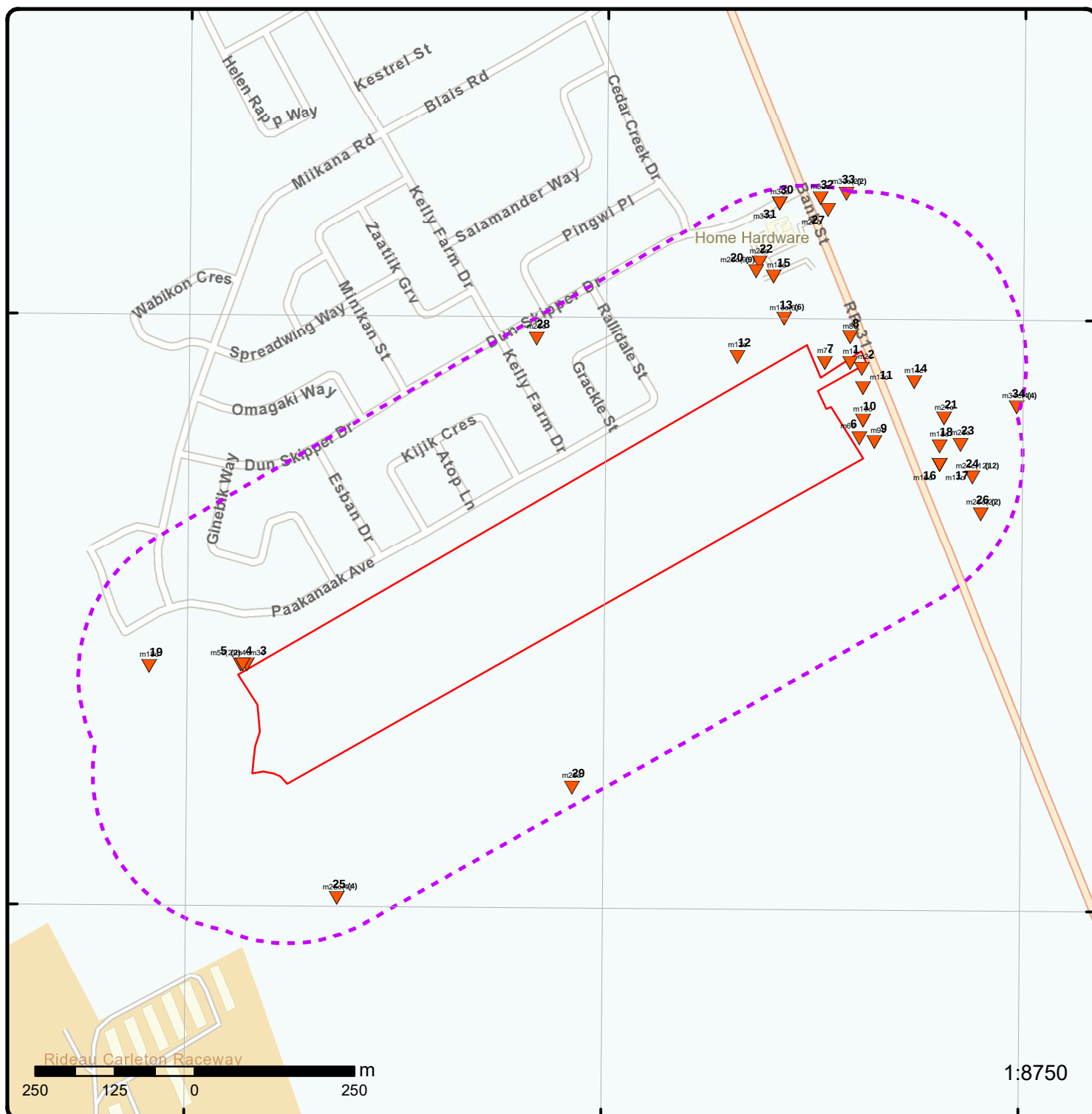
<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
PRIVATE RESIDENCE	RESIDENCE AT 4860 BANK ST. FURNACE OIL TANK GLOUCESTER CITY ON K1X 1G6	28.4	9
	87 Dun Skipper Avenue Gloucester, Ontario OTTAWA ON	221.2	28

WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31 2023 has found that there are 22 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 22 con 4 ON	0.0	<u>1</u>
	Well ID: 1502177		
	lot 22 con 4 ON	9.5	<u>4</u>
	Well ID: 1528501		
	lot 22 con 4 ON	11.2	<u>5</u>
	Well ID: 1534133		
	lot 22 con 4 ON	11.2	<u>5</u>
	Well ID: 1534131		
	lot 22 con 4 ON	27.1	<u>8</u>
	Well ID: 1502180		
	lot 22 con 4 ON	31.2	<u>10</u>
	Well ID: 1502178		
	lot 22 con 4 ON	31.6	<u>11</u>
	Well ID: 1512375		
	lot 22 con 4 ON	38.6	<u>12</u>
	Well ID: 1514664		
	lot 22 con 5 ON	80.0	<u>14</u>
	Well ID: 1512265		
	lot 22 con 4 ON	118.5	<u>15</u>
	Well ID: 1513436		
	lot 23 con 5 ON	120.2	<u>17</u>
	Well ID: 1510717		
	lot 23 con 5 ON	121.2	<u>18</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Well ID: 1502250		
	lot 22 con 4 ON	139.5	<u>19</u>
	Well ID: 7341451		
	lot 23 con 5 ON	154.2	<u>23</u>
	Well ID: 1514840		
	lot 23 con 4 ON	195.8	<u>25</u>
	Well ID: 1530652		
	lot 23 con 4 ON	195.8	<u>25</u>
	Well ID: 1530653		
	lot 23 con 4 ON	195.8	<u>25</u>
	Well ID: 1530654		
	lot 23 con 4 ON	195.8	<u>25</u>
	Well ID: 1530655		
	4835 Bank St lot 22 con 5 Ottawa ON	214.0	<u>27</u>
	Well ID: 7344681		
	6391 BLOSSOM TRAIL lot 6 con 3 GREELY ON	224.3	<u>29</u>
	Well ID: 7123641		
	lot 22 con 4 ON	225.4	<u>30</u>
	Well ID: 1502179		
	4835 Bank St Ottawa ON	230.4	<u>32</u>
	Well ID: 7344680		



Map: 0.25 Kilometer Radius

Order Number: 25072301182

Address: 4850 Bank Street, Gloucester, ON

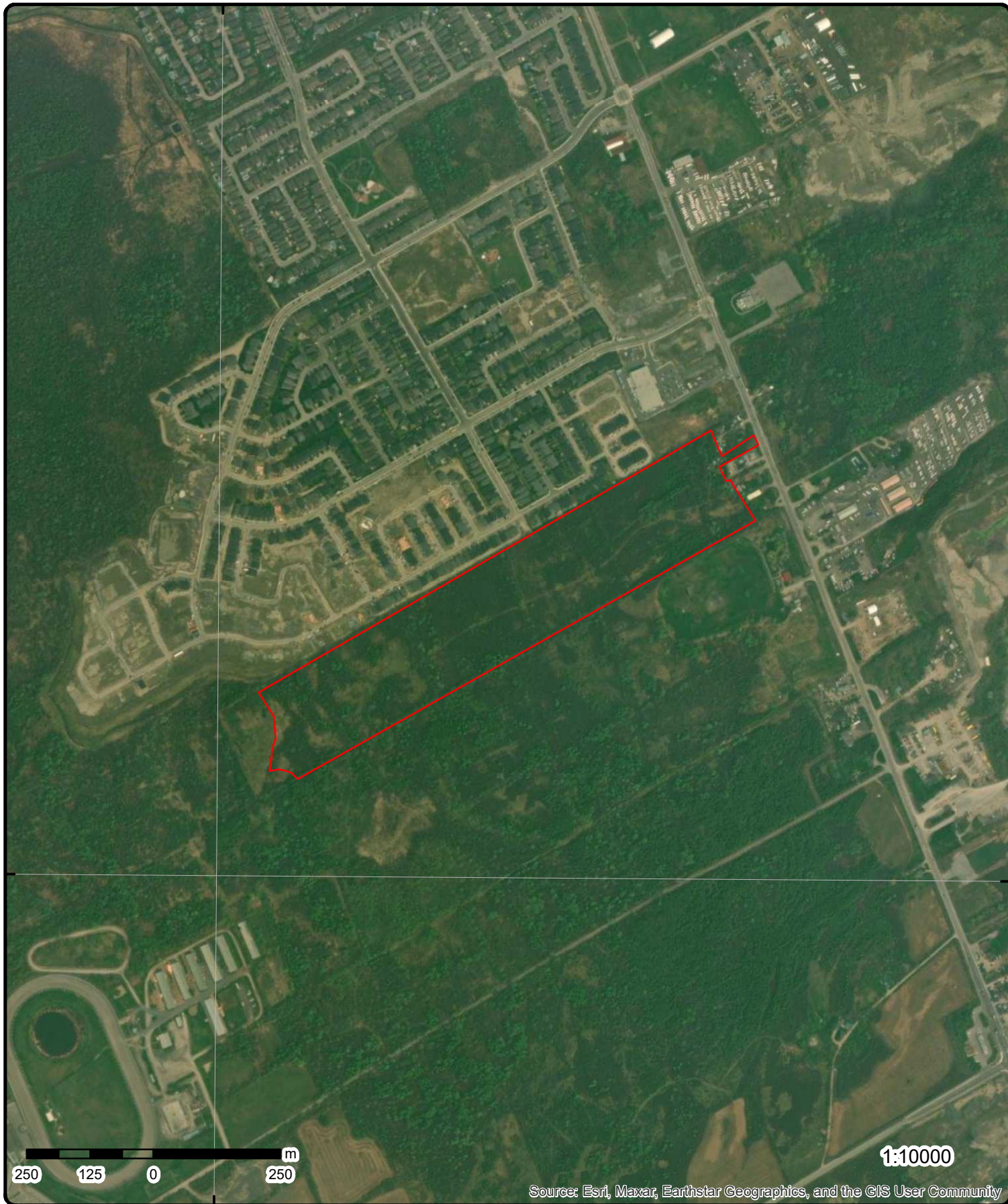


Project Property	Freeways; Highways	Beach	Shopping & Sports Area
Buffer Outline	Traffic Circle; Ramp	Airport	University/College
Eris Sites with Higher Elevation	Major Arterial; Minor Arterial	Industrial Area	Cemetery; Golf Course
Eris Sites with Same Elevation	Local Road	Military Base	Parkt (National)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

75°36'W

45°18'N

45°18'N



Aerial

Year: 2023

Order Number: 25072301182

Address: 4850 Bank Street, Gloucester, ON



Source: ESRI World Imagery

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75°36'W

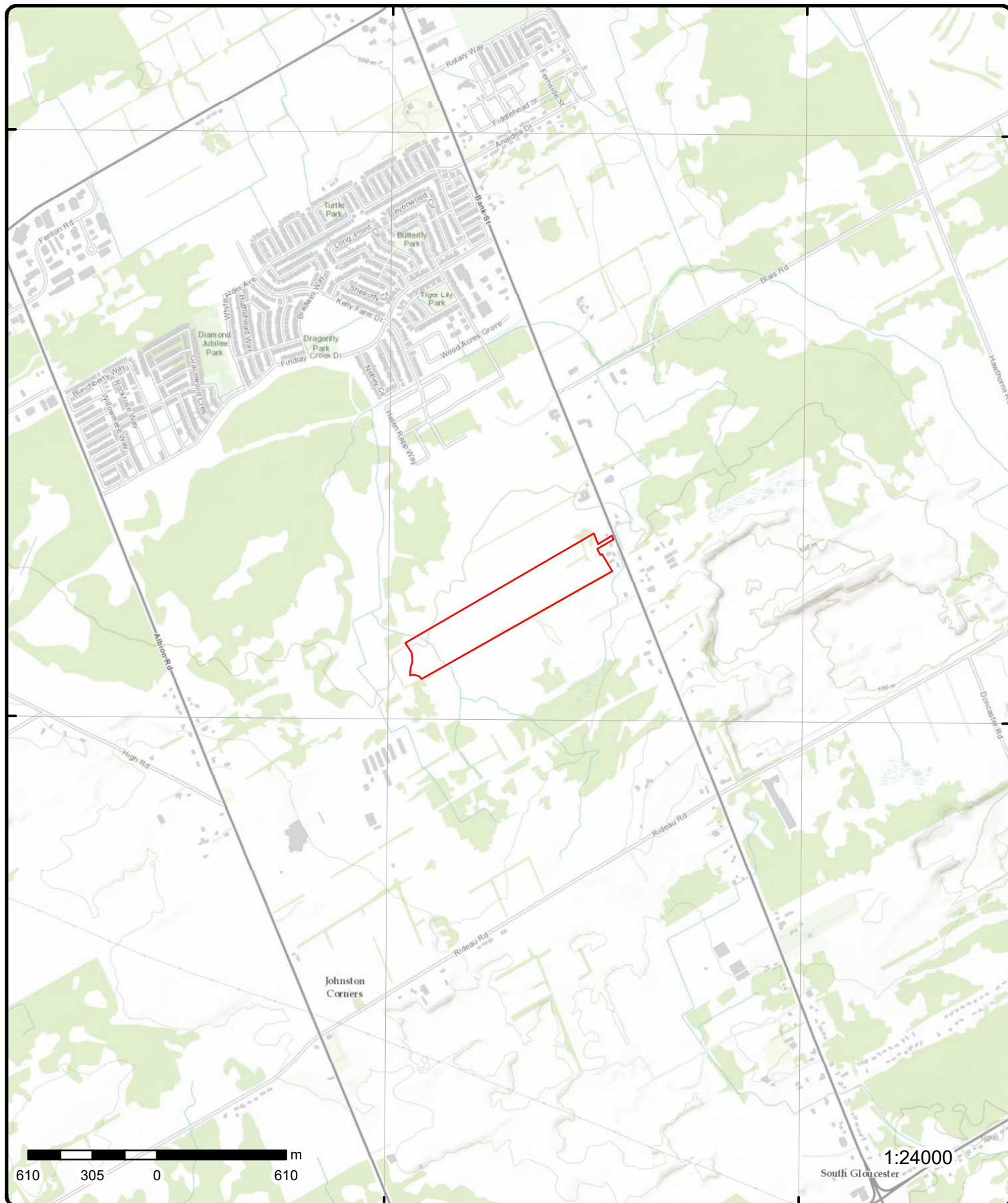
75°34'30"W

45°19'30"N

45°19'30"N

45°18'N

45°18'N



Topographic Map

Address: 4850 Bank Street, ON

Source: ESRI World Topographic Map

Order Number: 25072301182



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	ENE/0.0	97.8 / -7.60	lot 22 con 4 ON	WWIS
Well ID: 1502177 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: 05/21/1957 Selected Flag: TRUE Abandonment Rec: Contractor: 1603 Form Version: 1 Owner: County: OTTAWA-CARLETON Lot: 022 Concession: 04 Concession Name: RF Easting NAD83: Northing NAD83: Zone: UTM Reliability: </					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930993835			
Layer:		2			
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:		7.0			
Formation End Depth:		20.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930993834			
Layer:		1			
Color:					
General Color:					
Material 1:		09			
Material 1 Desc:		MEDIUM SAND			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		7.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930993836			
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:		20.0			
Formation End Depth:		60.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961502177			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					

Pipe Information

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pipe ID:		10572790			
Casing No:		1			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		930041225			
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			
 <u>Construction Record - Casing</u>					
Casing ID:		930041224			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		21.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991502177			
Pump Set At:					
Static Level:		6.0			
Final Level After Pumping:		25.0			
Recommended Pump Depth:					
Pumping Rate:		13.0			
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:		2			
Pumping Duration MIN:		0			
Flowing:		No			
 <u>Water Details</u>					
Water ID:		933454920			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		60.0			
Water Found Depth UOM:		ft			
<u>2</u>	1 of 1	ENE/3.2	97.2 / -8.24	4852 Bank Street Ottawa ON	EHS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Order No: 20070314016 Status: C Report Type: CAN - Custom Report Report Date: 3/23/2007 Date Received: 3/14/2007 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps And /or Site Plans					
Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): 0.25 X: -75.586554 Y: 45.307639					
<u>3</u>	1 of 1	WSW/6.8	99.0 / -6.46	Pathways South Regional Inc. Ottawa ON K2C 0P9	ECA
Approval No: 1442-BDRNR Approval Date: 2019-08-01 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: Pathways South Regional Inc. Address: Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8244-BDCMHG-14.pdf PDF Site Location:					
MOE District: Ottawa City: Longitude: -75.5988 Latitude: 45.3034 Geometry X: Geometry Y:					
<u>4</u>	1 of 1	WSW/9.5	99.0 / -6.46	lot 22 con 4 ON	WWIS
Well ID: 1528501 Construction Date: Use 1st: Domestic Use 2nd: Final Well Status: Water Supply Water Type: Casing Material: Audit No: 149834 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: 05/23/1995 Selected Flag: TRUE Abandonment Rec: Contractor: 6455 Form Version: 1 Owner: County: OTTAWA-CARLETON Lot: 022 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/152\1528501.pdf					
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: 04/27/1995 Year Completed: 1995 Depth (m): 36.576 Latitude: 45.3033944088149 Longitude: -75.5988808712438 X: -75.59888070894644					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Y:		45.30339440214827			
Path:		152\1528501.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:	10050037			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	453048.80
Code OB Desc:				North83:	5016829.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	9
Date Completed:	04/27/1995			UTMRC Desc:	unknown UTM
Remarks:				Location Method:	lot
Location Method Desc:	Lot centroid				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931069850				
Layer:	1				
Color:	6				
General Color:	BROWN				
Material 1:	28				
Material 1 Desc:	SAND				
Material 2:	79				
Material 2 Desc:	PACKED				
Material 3:					
Material 3 Desc:					
Formation Top Depth:	0.0				
Formation End Depth:	5.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931069852				
Layer:	3				
Color:	6				
General Color:	BROWN				
Material 1:	28				
Material 1 Desc:	SAND				
Material 2:	11				
Material 2 Desc:	GRAVEL				
Material 3:	79				
Material 3 Desc:	PACKED				
Formation Top Depth:	50.0				
Formation End Depth:	89.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931069851				
Layer:	2				
Color:	6				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
General Color:		BROWN			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		12			
Material 2 Desc:		STONES			
Material 3:		81			
Material 3 Desc:		SANDY			
Formation Top Depth:		5.0			
Formation End Depth:		50.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931069853			
Layer:		4			
Color:		2			
General Color:		GREY			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:		73			
Material 2 Desc:		HARD			
Material 3:		78			
Material 3 Desc:		MEDIUM-GRAINED			
Formation Top Depth:		89.0			
Formation End Depth:		120.0			
Formation End Depth UOM:		ft			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933113411			
Layer:		1			
Plug From:		0.0			
Plug To:		2.0			
Plug Depth UOM:		ft			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933113412			
Layer:		2			
Plug From:		2.0			
Plug To:		25.0			
Plug Depth UOM:		ft			
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		961528501			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		10598607			
Casing No:		1			
Comment:					
Alt Name:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Construction Record - Casing</u>					
Casing ID:		930087439			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		90.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930087440			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		120.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		BAILER			
Pump Test ID:		991528501			
Pump Set At:					
Static Level:		22.0			
Final Level After Pumping:		38.0			
Recommended Pump Depth:		55.0			
Pumping Rate:		30.0			
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:		2			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934388296			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		38.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934905995			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		38.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test Detail ID: 934104671					
Test Type: Draw Down					
Test Duration: 15					
Test Level: 38.0					
Test Level UOM: ft					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID: 934648812					
Test Type: Draw Down					
Test Duration: 45					
Test Level: 38.0					
Test Level UOM: ft					
<u>Water Details</u>					
Water ID: 933488202					
Layer: 1					
Kind Code: 1					
Kind: FRESH					
Water Found Depth: 117.0					
Water Found Depth UOM: ft					
<u>5</u>	1 of 2	WSW/11.2	99.0 / -6.44	lot 22 con 4 ON	WWIS
Well ID: 1534131					
Construction Date:					
Use 1st: Not Used					
Use 2nd:					
Final Well Status: Test Hole					
Water Type:					
Casing Material:					
Audit No: 265638					
Tag:					
Constructn Method:					
Elevation (m):					
Elevatn Reliability:					
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: 10/23/2003					
Selected Flag: TRUE					
Abandonment Rec:					
Contractor: 1119					
Form Version: 1					
Owner:					
County: OTTAWA-CARLETON					
Lot: 022					
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/153\1534131.pdf					
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: 10/10/2003					
Year Completed: 2003					
Depth (m): 18.8976					
Latitude: 45.303394174727					
Longitude: -75.5989255126588					
X: -75.59892535160805					
Y: 45.303394167740386					
Path: 153\1534131.pdf					
<u>Bore Hole Information</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bore Hole ID:	10543246			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	453045.30
Code OB Desc:				North83:	5016829.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	9
Date Completed:	10/10/2003			UTMRC Desc:	unknown UTM
Remarks:				Location Method:	lot
Location Method Desc:	Lot centroid				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	932925091				
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:	21.0				
Formation End Depth:	40.0				
Formation End Depth UOM:	ft				
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	932925092				
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:	40.0				
Formation End Depth:	62.0				
Formation End Depth UOM:	ft				
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	932925090				
Layer:	1				
Color:					
General Color:					
Material 1:	28				
Material 1 Desc:	SAND				
Material 2:	11				
Material 2 Desc:	GRAVEL				
Material 3:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		21.0			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933240998			
Layer:		1			
Plug From:		0.0			
Plug To:		27.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961534131			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11091816			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930098286			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:					
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930098285			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:					
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991534131			
Pump Set At:					
Static Level:		16.0			
Final Level After Pumping:		50.0			
Recommended Pump Depth:		50.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pumping Rate:		18.0			
Flowing Rate:					
Recommended Pump Rate:		18.0			
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			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934657212			
Test Type:		Recovery			
Test Duration:		45			
Test Level:		16.0			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934113638			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		16.0			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934914659			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		16.0			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934397252			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		16.0			
Test Level UOM:		ft			
 <u>Water Details</u>					
Water ID:		934037040			
Layer:		1			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		48.0			
Water Found Depth UOM:		ft			
 <u>Water Details</u>					
Water ID:		934037041			
Layer:		2			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		55.0			
Water Found Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Color:		2			
General Color:		GREY			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		57.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932925096			
Layer:		2			
Color:		6			
General Color:		BROWN			
Material 1:		18			
Material 1 Desc:		SANDSTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		57.0			
Formation End Depth:		101.0			
Formation End Depth UOM:		ft			
 <u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		933241000			
Layer:		1			
Plug From:		0.0			
Plug To:		67.0			
Plug Depth UOM:		ft			
 <u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961534133			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		11091818			
Casing No:		1			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		930098290			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:					
Casing Diameter:		6.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930098289			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:					
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991534133			
Pump Set At:					
Static Level:		44.0			
Final Level After Pumping:		90.0			
Recommended Pump Depth:		90.0			
Pumping Rate:		6.0			
Flowing Rate:					
Recommended Pump Rate:		6.0			
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			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934397254			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		44.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934657214			
Test Type:		Recovery			
Test Duration:		45			
Test Level:		44.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934914661			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		44.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test Detail ID:		934113640			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		44.0			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		934037046			
Layer:		2			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		83.0			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		934037045			
Layer:		1			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		79.0			
Water Found Depth UOM:		ft			
<u>6</u>	1 of 1	ENE/11.6	97.8 / -7.60	4858 Bank Street Ottawa ON	EHS
Order No:		20070823009		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		CAN - Complete Report		Client Prov/State:	
Report Date:		8/31/2007		Search Radius (km): 0.25	
Date Received:		8/23/2007		X: -75.586593	
Previous Site Name:				Y: 45.306658	
Lot/Building Size:					
Additional Info Ordered:		Fire Insur. Maps And /or Site Plans; Topographical Maps			
<u>7</u>	1 of 1	ENE/14.8	100.0 / -5.46	ON	BORE
Borehole ID:		614684		Inclin FLG:	
OGF ID:		215515627		SP Status:	
Status:				Surv Elev:	
Type:		Borehole		Piezometer:	
Use:				Primary Name:	
Completion Date:				Municipality:	
Static Water Level:		4.9		Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	
Total Depth m:		-999		Longitude DD:	
Depth Ref:		Ground Surface		UTM Zone:	
Depth Elev:				Easting:	
Drill Method:				Northing:	
Orig Ground Elev m:		102		Location Accuracy:	
Elev Reliabil Note:				Accuracy:	
DEM Ground Elev m:		101			
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Geology Stratum ID:	218399038			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	2.1			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SAND.				
Geology Stratum ID:	218399039			Mat Consistency:	
Top Depth:	2.1			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:	218399040			Mat Consistency:	Compact
Top Depth:	6.1			Material Moisture:	
Bottom Depth:				Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Sandstone			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	BEDROCK. WATER STABLE AT 319.0 FEET.E. 0003500070GREY,SOFT TO STIFF. SILT. GREY,COMPACT **Note: Many records provided by the department have a truncated [Stratum Description] field.				
<u>Source</u>					
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: 071920 NTS_Sheet: 31G05A				
Confiden 1:	Reliable information but incomplete.				
<u>Source List</u>					
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				
8	1 of 1	ENE/27.1	97.8 / -7.59	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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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		
DP2BR:			Elevation:		
Spatial Status:			Elevrc:		
Code OB:			Zone:		
Code OB Desc:			East83:		
Open Hole:			North83:		
Cluster Kind:			Org CS:		
Date Completed:			UTMRC:		
Remarks:			UTMRC Desc:		
Location Method Desc:			Location Method:		
Elevrc Desc:			margin of error : 100 m - 300 m		
Location Source Date:			p5		
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		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
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			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961502180			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10572793			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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			
<u>Construction Record - Casing</u>					
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			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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			
 <u>Water Details</u>					
Water ID:		933454923			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		55.0			
Water Found Depth UOM:		ft			
9	1 of 1	ENE/28.4	97.9 / -7.54	PRIVATE RESIDENCE RESIDENCE AT 4860 BANK ST. FURNACE OIL TANK GLOUCESTER CITY ON K1X 1G6	SPL
Ref No:	107778			Municipality No:	20105
Year:				Nature of Damage:	
Incident Dt:	11/28/1994			Discharger Report:	
Dt MOE Arvl on Scn:				Material Group:	
MOE Reported Dt:	11/28/1994			Impact to Health:	
Dt Document Closed:				Agency Involved:	MCCR
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:					
Entity Operating Name:					
Client Name:					
Client Type:					
Source Type:					
Incident Cause:		PIPE/HOSE LEAK			
Incident Preceding Spill:					
Incident Reason:		EQUIPMENT FAILURE			
Incident Summary:		RESIDENCE - UNKNOWN AMOUNT OF FURNACE OIL TO BASEMENT & GROUND.			
Environment Impact:		POSSIBLE			
Health Env Consequence:					
Nature of Impact:		Soil contamination			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant Qty: Contaminant Qty 1: Contaminant Unit: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Receiving Medium: LAND Activity Preceding Spill: Property 2nd Watershed: Property Tertiary Watershed: Sector Type: SAC Action Class: Call Report Locatn Geodata: Time Reported: System Facility Address:					
10	1 of 1	ENE/31.2	97.8 / -7.58	lot 22 con 4 ON	WWIS
Well ID: 1502178 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: Site Info:		Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: 1 Date Received: 08/19/1957 Selected Flag: TRUE Abandonment Rec: Contractor: 3113 Form Version: 1 Owner: County: OTTAWA-CARLETON Lot: 022 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\1502178.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: 08/05/1957 Year Completed: 1957 Depth (m): 15.24 Latitude: 45.3069061087487 Longitude: -75.5865201163235 X: -75.58651995462486 Y: 45.30690610201287 Path: 150\1502178.pdf					
<u>Bore Hole Information</u>					
Bore Hole ID: 10024221 DP2BR: Spatial Status: Code OB: Code OB Desc:		Elevation: Elevrc: Zone: 18 East83: 454020.70 North83: 5017212.00			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:	08/05/1957			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:					
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930993837			
Layer:		1			
Color:					
General Color:					
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		11			
Material 2 Desc:		GRAVEL			
Material 3:		09			
Material 3 Desc:		MEDIUM SAND			
Formation Top Depth:		0.0			
Formation End Depth:		18.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930993838			
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:		50.0			
Formation End Depth UOM:		ft			
 <u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961502178			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		10572791			
Casing No:		1			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Casing ID: 930041227
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 50.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930041226
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 25.0
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: 991502178
Pump Set At:
Static Level: 13.0
Final Level After Pumping: 50.0
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: 933454921
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 48.0
Water Found Depth UOM: ft

11	1 of 1	ENE/31.6	97.1 / -8.30	lot 22 con 4 ON	WWIS
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Well ID: 1512375 Construction Date: Use 1st: Domestic Use 2nd: 0 Final Well Status: Water Supply Water Type: Casing Material:	Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: 1 Date Received: 03/07/1973 Selected Flag: TRUE Abandonment Rec:
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Audit No:			Contractor:	1703	
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:					
Site Info:					
GLOUCESTER TOWNSHIP					
<u>Additional Detail(s) (Map)</u>					
Bore Hole ID:			10034367	Tag No:	
Depth M:			22.5552	Contractor:	1703
Year Completed:			1972	Latitude:	45.3073561571757
Well Completed Dt:			11/27/1972	Longitude:	-75.5865247577048
Audit No:				Y:	45.3073561497816
Path:				X:	-75.5865245961806
<u>Bore Hole Information</u>					
Bore Hole ID:			10034367	Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	454020.70
Code OB Desc:				North83:	5017262.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:			11/27/1972	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:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			931020459		
Layer:			1		
Color:			6		
General Color:			BROWN		
Material 1:			25		
Material 1 Desc:			OVERBURDEN		
Material 2:			28		
Material 2 Desc:			SAND		
Material 3:					
Material 3 Desc:					
Formation Top Depth:			0.0		
Formation End Depth:			9.0		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		931020460			
Layer:		2			
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:		9.0			
Formation End Depth:		74.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961512375			
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10582937			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930060915			
Layer:		1			
Material:		2			
Open Hole or Material:		GALVANIZED			
Depth From:					
Depth To:		20.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930060916			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		74.0			
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991512375			
Pump Set At:					
Static Level:		6.0			
Final Level After Pumping:		12.0			
Recommended Pump Depth:		35.0			
Pumping Rate:		8.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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:		2			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934098022			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		12.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934647324			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		12.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934895897			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		12.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934377416			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		12.0			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933467794			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		74.0			
Water Found Depth UOM:		ft			
12	1 of 1	NE/38.6	101.2 / -4.24	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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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		
DP2BR:			Elevation:		
Spatial Status:			Elevrc:		
Code OB:			Zone: 18		
Code OB Desc:			East83: 453823.70		
Open Hole:			North83: 5017312.00		
Cluster Kind:			Org CS:		
Date Completed:			UTMRC: 4		
Remarks:			UTMRC Desc: margin of error : 30 m - 100 m		
Location Method Desc:			Location Method: p4		
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		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
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			
<u>Overburden and Bedrock Materials Interval</u>					
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			
<u>Overburden and Bedrock Materials Interval</u>					
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			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961514664			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pipe ID:		10585204			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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			
<u>Construction Record - Casing</u>					
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			
<u>Results of Well Yield Testing</u>					
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			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934901541			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		20.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934383084			
Test Type:		Draw Down			
Test Duration:		30			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:		20.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934100485			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		20.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934644071			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		20.0			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933470590			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		32.0			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		933470591			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		111.0			
Water Found Depth UOM:		ft			

13	1 of 6	NE/52.9	100.0 / -5.41	4840 Bank St. Ltd. 4840 Bank Street Canada ON	PTTW
EBR Registry No:	013-4537			Decision Posted:	March 16, 2021
Ministry Ref No:	0136-B8BQMY			Exception Posted:	
Notice Type:	Instrument			Section:	Section 34
Notice Stage:	Decision			Act 1:	Ontario Water Resources Act, R.S.O. 1990
Notice Date:				Act 2:	Ontario Water Resources Act
Proposal Date:	March 7, 2019			Site Location Map:	45.306219,-75.594448
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				
Summary:					
Site Location Details:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Lot 22, Concession 4 From Rideau River Original Geographic Township of Gloucester, City of Ottawa.					
13	2 of 6	NE/52.9	100.0 / -5.41	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:			
13	3 of 6	NE/52.9	100.0 / -5.41	Pathways South Regional Inc. 4840 Bank St Part of Lot 22, Concession 4 (Rideau Front) Ottawa ON K2C 0P9	ECA
Approval No: 4745-BPXRBO Approval Date: 2020-06-04 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: 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:		MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:			
13	4 of 6	NE/52.9	100.0 / -5.41	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 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		MOE District: Ottawa City: Longitude: Latitude: Geometry X: -8414227.3137999997 Geometry Y: 5670065.1547999969			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
13	5 of 6	NE/52.9	100.0 / -5.41	RON EASTERN CONSTRUCTION LTD. 4840 Bank ST Ottawa ON K1X 1G6	EASR
Approval No: R-009-7232525387 Status: REGISTERED Date: June 15, 2023 Record Type: EASR Link Source: MOFA Project Type: Water Taking - Construction Dewatering Full Address: Approval Type: EASR-Water Taking - Construction Dewatering SWP Area Name: South Nation PDF NAICS Code: PDF URL: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2991474 PDF Site Location: 4840 Bank Street Ottawa ON K1X 1G6 MOE District: Ottawa Municipality: Ottawa Latitude: 45.30805556 Longitude: -75.58805556 Geometry X: -8414423.8544999994 Geometry Y: 5670149.6071000025					
13	6 of 6	NE/52.9	100.0 / -5.41	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					
14	1 of 1	ENE/80.0	98.6 / -6.85	lot 22 con 5 ON	WWIS
Well ID: 1512265 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: 01/15/1973 Selected Flag: TRUE Abandonment Rec: Contractor: 3002 Form Version: 1 Owner: County: OTTAWA-CARLETON Lot: 022 Concession: 05 Concession Name: RF Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1512265.pdf					
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: 11/24/1972 Year Completed: 1972					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth (m):		14.6304			
Latitude:		45.3074514026667			
Longitude:		-75.5855052356763			
X:		-75.58550507423996			
Y:		45.30745139612527			
Path:		151\1512265.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:	10034257			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	454100.70
Code OB Desc:				North83:	5017272.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:	11/24/1972			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:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931020159				
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:	3.0				
Formation End Depth:	48.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931020158				
Layer:	1				
Color:	6				
General Color:	BROWN				
Material 1:	05				
Material 1 Desc:	CLAY				
Material 2:	28				
Material 2 Desc:	SAND				
Material 3:	12				
Material 3 Desc:	STONES				
Formation Top Depth:	0.0				
Formation End Depth:	3.0				
Formation End Depth UOM:	ft				
<u>Method of Construction & Well</u>					
<u>Use</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction ID:		961512265			
Method Construction Code:		4			
Method Construction:		Rotary (Air)			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		10582827			
Casing No:		1			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		930060750			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		12.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Construction Record - Casing</u>					
Casing ID:		930060751			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		48.0			
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991512265			
Pump Set At:					
Static Level:		4.0			
Final Level After Pumping:		48.0			
Recommended Pump Depth:		30.0			
Pumping Rate:		8.0			
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:		0			
Flowing:		No			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934647231			
Test Type:		Recovery			
Test Duration:		45			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:		4.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934895388			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		4.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934376902			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		4.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934097920			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		4.0			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933467661			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		8.0			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		933467663			
Layer:		3			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		34.0			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		933467662			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		21.0			
Water Found Depth UOM:		ft			
<u>15</u>	1 of 1	NE/118.5	99.9 / -5.48	lot 22 con 4 ON	WWIS
Well ID:	1513436			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Domestic			Data Entry Status:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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			
<u>Additional Detail(s) (Map)</u>					
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			
<u>Bore Hole Information</u>					
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:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:		4.0			
Formation End Depth:		12.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
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			
<u>Overburden and Bedrock Materials Interval</u>					
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			
<u>Overburden and Bedrock Materials Interval</u>					
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			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961513436			
Method Construction Code:		4			
Method Construction:		Rotary (Air)			
Other Method Construction:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Pipe Information</u>					
Pipe ID:		10583992			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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			
<u>Results of Well Yield Testing</u>					
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			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934379071			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		30.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934897540			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		30.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934099259			
Test Type:		Draw Down			
Test Duration:		15			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:		30.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934639647			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		30.0			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933468985			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		48.0			
Water Found Depth UOM:		ft			

16	1 of 1	E/120.1	100.5 / -4.93	ON	BORE
Borehole ID:	614681			Inclin FLG:	No
OGF ID:	215515624			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	NOV-1970			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.306285
Total Depth m:	15.8			Longitude DD:	-75.584983
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	454141
Drill Method:				Northing:	5017142
Orig Ground Elev m:	104			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	103				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	218399032			Mat Consistency:	Soft
Top Depth:	1.8			Material Moisture:	
Bottom Depth:	15.8			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. 00050BEDROCK. DOLOMITE. 0003500070GREY,SOFT TO STIFF. SILT. GREY,COMP **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218399031			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	1.8			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 1: Stones		Geologic Formation:			
Material 2:		Geologic Group:			
Material 3:		Geologic Period:			
Material 4:		Depositional Gen:			
Gsc Material Description:					
Stratum Description:		STONES. BROWN.			
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: 07189 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			
17	1 of 1	E/120.2	100.5 / -4.93	lot 23 con 5 ON	WWIS
Well ID:		1510717		Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:		Commerical		Data Entry Status:	
Use 2nd:		0		Data Src:	
Final Well Status:		Water Supply		Date Received:	
Water Type:				Selected Flag:	
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	
Tag:				Form Version:	
Constructn Method:				Owner:	
Elevation (m):				County:	
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/151\1510717.pdf			
Additional Detail(s) (Map)					
Well Completed Date:		11/15/1970			
Year Completed:		1970			
Depth (m):		15.8496			
Latitude:		45.3062838908681			
Longitude:		-75.5849829744803			
X:		-75.58498281197123			
Y:		45.30628388411291			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Path:		151\1510717.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:	10032734			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	454140.70
Code OB Desc:				North83:	5017142.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:	11/15/1970			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:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931015644				
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:	52.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931015643				
Layer:	1				
Color:	6				
General Color:	BROWN				
Material 1:	12				
Material 1 Desc:	STONES				
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				
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:	961510717				
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Pipe Information</u>					
Pipe ID:		10581304			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930058035			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		52.0			
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930058034			
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			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991510717			
Pump Set At:					
Static Level:		7.0			
Final Level After Pumping:		15.0			
Recommended Pump Depth:		40.0			
Pumping Rate:		6.0			
Flowing Rate:					
Recommended Pump Rate:		5.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934097308			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		7.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test Detail ID: 934380043					
Test Type: Recovery					
Test Duration: 30					
Test Level: 7.0					
Test Level UOM: ft					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID: 934897988					
Test Type: Recovery					
Test Duration: 60					
Test Level: 7.0					
Test Level UOM: ft					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID: 934641202					
Test Type: Recovery					
Test Duration: 45					
Test Level: 7.0					
Test Level UOM: ft					
<u>Water Details</u>					
Water ID: 933465750					
Layer: 1					
Kind Code: 1					
Kind: FRESH					
Water Found Depth: 50.0					
Water Found Depth UOM: ft					
<u>18</u>	1 of 1	ENE/121.2	100.3 / -5.08	lot 23 con 5 ON	WWIS
Well ID: 1502250					
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: 01/19/1965					
Selected Flag: TRUE					
Abandonment Rec:					
Contractor: 3504					
Form Version: 1					
Owner:					
County: OTTAWA-CARLETON					
Lot: 023					
Concession: 05					
Concession Name: RF					
Easting NAD83:					
Northing NAD83:					
Zone:					
UTM Reliability:					
PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502250.pdf					
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: 12/14/1964					
Year Completed: 1964					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth (m):		24.0792			
Latitude:		45.3065539200323			
Longitude:		-75.5849857519376			
X:		-75.5849855904368			
Y:		45.30655391288163			
Path:		150\1502250.pdf			

Bore Hole Information

Bore Hole ID:	10024293	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	454140.70
Code OB Desc:		North83:	5017172.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	12/14/1964	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:	930994034
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:	2.0
Formation End Depth:	65.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	930994033
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:	2.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		930994035			
Layer:		3			
Color:		7			
General Color:		RED			
Material 1:		21			
Material 1 Desc:		GRANITE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		65.0			
Formation End Depth:		79.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961502250			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10572863			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930041367			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		79.0			
Casing Diameter:		5.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930041366			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		10.0			
Casing Diameter:		5.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991502250			
Pump Set At:					
Static Level:		20.0			
Final Level After Pumping:		65.0			
Recommended Pump Depth:		75.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pumping Rate: 4.0 Flowing Rate: Recommended Pump Rate: 4.0 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: 30 Flowing: No					
<u>Water Details</u>					
Water ID: 933455007 Layer: 1 Kind Code: 1 Kind: FRESH Water Found Depth: 60.0 Water Found Depth UOM: ft					
19	1 of 1	W/139.5	96.7 / -8.68	lot 22 con 4 ON	WWIS
Well ID: 7341451 Construction Date: Use 1st: Use 2nd: Final Well Status: 0 Water Type: Casing Material: Audit No: Z252131 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: Date Received: 09/10/2019 Selected Flag: TRUE Abandonment Rec: Yes Contractor: 4875 Form Version: 7 Owner: County: OTTAWA-CARLETON Lot: 022 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/734\7341451.pdf					
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: 08/13/2018 Year Completed: 2018 Depth (m): Latitude: 45.3033665736146 Longitude: -75.6007530691307 X: -75.60075290697502 Y: 45.30336656685336 Path: 734\7341451.pdf					
<u>Bore Hole Information</u>					
Bore Hole ID: 1007636315 DP2BR:					
Elevation: Elevrc:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Spatial Status:				Zone:	18
Code OB:				East83:	452902.00
Code OB Desc:				North83:	5016827.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	08/13/2018			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:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1008123506			
Layer:					
Color:					
General Color:					
Material 1:					
Material 1 Desc:					
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:					
Formation End Depth:					
Formation End Depth UOM:		m			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		1008121347			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1008123505			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1008123509			
Layer:					
Material:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1008123510			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer: Slot: Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter:					
<u>Water Details</u>					
Water ID: 1008123508 Layer: Kind Code: Kind: Water Found Depth: Water Found Depth UOM: m					
<u>Hole Diameter</u>					
Hole ID: 1008123507 Diameter: Depth From: Depth To: Hole Depth UOM: m Hole Diameter UOM: cm					
20	1 of 9	NE/139.5	99.9 / -5.54	UPI INC. 39-454 HIGHWAY #31 SOUTH, 4836 BANK ST. OTTAWA ON K1G 3N4	GEN
<u>Generator Info</u>					
Generator No: ON1446982 Approval Years: 92,93,96,97,98 Status: PO Box No: Country: Co Admin: Phone No Admin: SIC Description: PETROLEUM PROD., WH.					
Choice of Contact: Contaminated Fac: MHSW Facility: SIC Code: 5111					
<u>Waste Detail(s)</u>					
Waste Class: 221 Waste Class Name: LIGHT FUELS					
20	2 of 9	NE/139.5	99.9 / -5.54	UCO PETROLEUM INC. 39-454 HWY#31 SOUTH, 4836 BANK ST. OTTAWA ON K1G 3N4	GEN
<u>Generator Info</u>					
Generator No: ON1446982 Approval Years: 94,95 Status: PO Box No: Country:					
Choice of Contact: Contaminated Fac: MHSW Facility: SIC Code: 5111					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Co Admin: Phone No Admin: SIC Description: PETROLEUM PROD., WH.					
Waste Detail(s)					
Waste Class: 221 Waste Class Name: LIGHT FUELS					
20	3 of 9	NE/139.5	99.9 / -5.54	OTTAWA FEED & HARDWARE INC 4836 BANK ST GLOUCESTER ON K1X 1G6	PES
Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type: Limited Vendor Licence Type Code: 23 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:			
20	4 of 9	NE/139.5	99.9 / -5.54	OTTAWA FEED & HARDWARE INC 4836 BANK ST GLOUCESTER ON K1X 1G6	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:			
20	5 of 9	NE/139.5	99.9 / -5.54	OTTAWA FEED & HARDWARE INC 4836 BANK ST GLOUCESTER ON K1X1G6	PES
Detail Licence No: Licence No: 13853		Operator Box: Operator Class:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status: Approval Date: Report Source: Licence Type: Licence Type Code: Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF URL: 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:					
20	6 of 9	NE/139.5	99.9 / -5.54	4836 Bank Street Ottawa ON	EHS
Order No: Status: Report Type: Report Date: Date Received: Previous Site Name: Lot/Building Size: Additional Info Ordered: 20130730017 C Custom Report 07-AUG-13 30-JUL-13 Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y: ON .25 -75.5876 45.309581					
20	7 of 9	NE/139.5	99.9 / -5.54	4836 Bank Street Ottawa Ontario Gloucester ON K1X 1G6	EHS
Order No: Status: Report Type: Report Date: Date Received: Previous Site Name: Lot/Building Size: Additional Info Ordered: 20190205061 C RSC Report (Urban) 08-FEB-19 05-FEB-19 Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y: ON .3 -75.588744 45.309066					
20	8 of 9	NE/139.5	99.9 / -5.54	2668867 Ontario Inc. 4836 Bank St Ottawa Ottawa ON K1X 1G6	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full PDF Link: PDF Site Location: 7857-BQ3J3V 2020-06-17 Approved ECA IDS South Nation ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS 2668867 Ontario Inc. 4836 Bank St Ottawa https://www.accessenvironment.ene.gov.on.ca/instruments/8150-BPSRKL-14.pdf MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: Ottawa -75.58868 45.309 					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
20	9 of 9	NE/139.5	99.9 / -5.54	4836 BANK ST GLOUCESTER ON K1X 1G6	PES
Detail Licence No: Licence No: L-232-2125813698 Status: Active Approval Date: 2021-04-08 Report Source: PEST-Limited Vendor Licence Type: Limited Vendor Licence Type Code: Licence Class: Licence Control: Latitude: 45.30888889 Longitude: -75.58861111 Lot: Concession: Region: District: County: Trade Name: PDF URL: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2379662 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: Ottawa SWP Area Name: South Nation					
21	1 of 1	ENE/141.0	99.8 / -5.66	4861 Bank Street Gloucester ON K1X 1G6	EHS
Order No: 23031000133 Status: C Report Type: Standard Report Report Date: 15-MAR-23 Date Received: 10-MAR-23 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.5848995 Y: 45.3069355					
22	1 of 1	NE/148.9	99.9 / -5.54	4836 Bank Street Gloucester ON K1X 1G6	EHS
Order No: 24071100224 Status: C Report Type: Standard Report Report Date: 16-JUL-24 Date Received: 11-JUL-24 Previous Site Name: Lot/Building Size: Additional Info Ordered: Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.5886163 Y: 45.3091228					
23	1 of 1	ENE/154.2	100.8 / -4.63	lot 23 con 5 ON	WWIS
Well ID: 1514840 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 Reliability: Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: 1 Date Received: 08/06/1975 Selected Flag: TRUE Abandonment Rec: Contractor: 2557 Form Version: 1 Owner: County: OTTAWA-CARLETON Lot: 023					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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\1514840.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		07/11/1975			
Year Completed:		1975			
Depth (m):		41.148			
Latitude:		45.3065740771457			
Longitude:		-75.5845650077352			
X:		-75.5845648466449			
Y:		45.30657406971064			
Path:		151\1514840.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		10036809		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	454173.70
Code OB Desc:				North83:	5017174.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:		07/11/1975		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:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931027484			
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:		3.0			
Formation End Depth:		135.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931027483			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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:		3.0			
Formation End Depth UOM:		ft			
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		961514840			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		10585379			
Casing No:		1			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		930065083			
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			
 <u>Construction Record - Casing</u>					
Casing ID:		930065084			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		135.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991514840			
Pump Set At:					
Static Level:		20.0			
Final Level After Pumping:		90.0			
Recommended Pump Depth:		90.0			
Pumping Rate:		9.0			
Flowing Rate:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Recommended Pump Rate:		6.0			
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:		10			
Flowing:		No			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934384086			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		90.0			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934644653			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		90.0			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934893778			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		90.0			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934100653			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		90.0			
Test Level UOM:		ft			
 <u>Water Details</u>					
Water ID:		933470814			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		105.0			
Water Found Depth UOM:		ft			
24	1 of 12	E/173.7	102.2 / -3.24	HUME TRADING CO LTD 4869 BANK ST GLOUCESTER ON	PRT
Location ID:		28002			
Type:		retail			
Expiry Date:		1995-06-30			
Capacity (L):		50006			
Licence #:		0076415819			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
24	2 of 12	E/173.7	102.2 / -3.24	PIONEER PETROLEUMS ATTN LOLA LAURIE 4869 BANK ST RR 6 SOUTH GLOUCESTER ON	PRT
Location ID:		24270			
Type:		retail			
Expiry Date:		1990-07-31			
Capacity (L):		3080			
Licence #:		0053502001			
24	3 of 12	E/173.7	102.2 / -3.24	MK GAS 4869 BANK ST RR 6 SOUTH GLOUCESTER ON	PRT
Location ID:		24270			
Type:		retail			
Expiry Date:		1995-02-28			
Capacity (L):		86374			
Licence #:		0076408350			
24	4 of 12	E/173.7	102.2 / -3.24	MK GAS 4869 BANK ST RR 6 SOUTH GLOUCESTER ON K4C 1C1	DTNK
<u>Delisted Expired Fuel Safety Facilities</u>					
Instance No:		10024216	Expired Date:		12/1/1993
Status:		EXPIRED	Max Hazard Rank:		
Instance ID:			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:					
Description:					
Original Source:		EXP			
Record Date:		Up to May 2013			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
24	5 of 12	E/173.7	102.2 / -3.24	PIONEER ENERGY MANAGEMENT INC. 4869 BANK ST RR 6 SOUTH GLOUCESTER ON K4C 1C1	DTNK

Delisted Expired Fuel Safety Facilities

Instance No:	10024190	Expired Date:	8/1/1990
Status:	EXPIRED	Max Hazard Rank:	
Instance ID:		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:			
Description:			
Original Source:	EXP		
Record Date:	Up to May 2013		

24	6 of 12	E/173.7	102.2 / -3.24	HUME TRADING CO LTD 4869 BANK ST GLOUCESTER ON K1G 3N4	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No:	10074628	Expired Date:	7/5/1994
Status:	EXPIRED	Max Hazard Rank:	
Instance ID:		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:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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: Original Source: EXP Record Date: Up to May 2013					
24	7 of 12	E/173.7	102.2 / -3.24	MK GAS 4869 BANK ST RR 6 SOUTH GLOUCESTER ON	EXP
Inventory No: 11186063 Inventory Status: EXPIRED Installation Year: 1990 Capacity: 13700 Capacity Unit: Tank Type: Manufacturer: Model: Description: UNDERGROUND TANK Previous Fuel Type: Gasoline					
Tank Material: Steel Corrosion Protect: Sacrificial anode Overfill Protection: Inventory Context: FS Liquid Fuel Tank Inventory Item: FS LIQUID FUEL TANK					
24	8 of 12	E/173.7	102.2 / -3.24	HUME TRADING CO LTD 4869 BANK ST GLOUCESTER ON	EXP
Inventory No: 11268850 Inventory Status: EXPIRED Installation Year: 1990 Capacity: 3000 Capacity Unit: Tank Type: Manufacturer: Model: Description: REGULAR Previous Fuel Type: Gasoline					
Tank Material: Steel Corrosion Protect: Coating Overfill Protection: Inventory Context: FS Liquid Fuel Tank Inventory Item: FS LIQUID FUEL TANK					
24	9 of 12	E/173.7	102.2 / -3.24	MK GAS 4869 BANK ST RR 6 SOUTH GLOUCESTER ON	EXP
Inventory No: 11186038 Inventory Status: EXPIRED Installation Year: 1990 Capacity: 22500 Capacity Unit: Tank Type: Manufacturer: Model: Description: UNDERGROUND TANK Previous Fuel Type: Gasoline					
Tank Material: Steel Corrosion Protect: Sacrificial anode Overfill Protection: Inventory Context: FS Liquid Fuel Tank Inventory Item: FS LIQUID FUEL TANK					
24	10 of 12	E/173.7	102.2 / -3.24	MK GAS 4869 BANK ST RR 6	EXP

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SOUTH GLOUCESTER ON					
Inventory No:	11186080			Tank Material:	Steel
Inventory Status:	EXPIRED			Corrosion Protect:	Sacrificial anode
Installation Year:	1990			Overfill Protection:	
Capacity:	13700			Inventory Context:	FS Liquid Fuel Tank
Capacity Unit:				Inventory Item:	FS LIQUID FUEL TANK
Tank Type:					
Manufacturer:					
Model:					
Description:	UNDERGROUND TANK				
Previous Fuel Type:	Diesel				
24	11 of 12	E/173.7	102.2 / -3.24	HUME TRADING CO LTD 4869 BANK ST GLOUCESTER ON	EXP
Inventory No:	11268893			Tank Material:	Steel
Inventory Status:	EXPIRED			Corrosion Protect:	Coating
Installation Year:	1990			Overfill Protection:	
Capacity:	5000			Inventory Context:	FS Liquid Fuel Tank
Capacity Unit:				Inventory Item:	FS LIQUID FUEL TANK
Tank Type:					
Manufacturer:					
Model:					
Description:	REGULAR				
Previous Fuel Type:	Gasoline				
24	12 of 12	E/173.7	102.2 / -3.24	HUME TRADING CO LTD 4869 BANK ST GLOUCESTER ON	EXP
Inventory No:	11268876			Tank Material:	Steel
Inventory Status:	EXPIRED			Corrosion Protect:	Coating
Installation Year:	1990			Overfill Protection:	
Capacity:	3000			Inventory Context:	FS Liquid Fuel Tank
Capacity Unit:				Inventory Item:	FS LIQUID FUEL TANK
Tank Type:					
Manufacturer:					
Model:					
Description:	REGULAR				
Previous Fuel Type:	Gasoline				
25	1 of 4	SW/195.8	102.0 / -3.46	lot 23 con 4 ON	WWIS
Well ID:	1530652			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:				Data Entry Status:	
Use 2nd:				Data Src:	1
Final Well Status:				Date Received:	08/09/1999
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	201701			Contractor:	4006
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	023
Depth to Bedrock:				Concession:	04
Well Depth:				Concession Name:	RF

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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/153\1530652.pdf		
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:			05/23/1999		
Year Completed:			1999		
Depth (m):			10.668		
Latitude:			45.3001099067123		
Longitude:			-75.5969649796613		
X:			-75.59696481805355		
Y:			45.30010989986282		
Path:			153\1530652.pdf		
<u>Bore Hole Information</u>					
Bore Hole ID:			10052186		
DP2BR:			Elevation:		
Spatial Status:			Elevrc:		
Code OB:			Zone:		
Code OB Desc:			East83:		
Open Hole:			North83:		
Cluster Kind:			Org CS:		
Date Completed:			UTMRC:		
Remarks:			UTMRC Desc:		
Location Method Desc:			Location Method:		
Elevrc Desc:			18		
Location Source Date:			453196.30		
Improvement Location Source:			5016463.00		
Improvement Location Method:			9		
Source Revision Comment:			unknown UTM		
Supplier Comment:			lot		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			931076160		
Layer:			1		
Color:			6		
General Color:			BROWN		
Material 1:			28		
Material 1 Desc:			SAND		
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:			0.0		
Formation End Depth:			35.0		
Formation End Depth UOM:			ft		
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:			961530652		
Method Construction Code:			0		
Method Construction:			Not Known		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Other Method Construction:					
Pipe Information					
Pipe ID:		10600756			
Casing No:		1			
Comment:					
Alt Name:					
Construction Record - Casing					
Casing ID:		930091052			
Layer:		1			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		35.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
25	2 of 4	SW/195.8	102.0 / -3.46	lot 23 con 4 ON	WWIS
Well ID:	1530653			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:				Data Entry Status:	
Use 2nd:				Data Src:	1
Final Well Status:				Date Received:	08/09/1999
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	201703			Contractor:	4006
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	023
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/153\1530653.pdf			
Additional Detail(s) (Map)					
Well Completed Date:		05/23/1999			
Year Completed:		1999			
Depth (m):		64.008			
Latitude:		45.3001099067123			
Longitude:		-75.5969649796613			
X:		-75.59696481805355			
Y:		45.30010989986282			
Path:		153\1530653.pdf			
Bore Hole Information					
Bore Hole ID:	10052187			Elevation:	
DP2BR:				Elevrc:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Spatial Status:				Zone:	18
Code OB:				East83:	453196.30
Code OB Desc:				North83:	5016463.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	9
Date Completed:	05/23/1999			UTMRC Desc:	unknown UTM
Remarks:				Location Method:	lot
Location Method Desc:		Lot centroid			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931076162			
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:		42.0			
Formation End Depth:		51.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931076163			
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:		51.0			
Formation End Depth:		123.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931076164			
Layer:		4			
Color:		2			
General Color:		GREY			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:		18			
Material 2 Desc:		SANDSTONE			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		123.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth:		168.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931076165			
Layer:		5			
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:		168.0			
Formation End Depth:		200.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931076166			
Layer:		6			
Color:		4			
General Color:		GREEN			
Material 1:		21			
Material 1 Desc:		GRANITE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		200.0			
Formation End Depth:		210.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931076161			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		42.0			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933115802			
Layer:		1			
Plug From:		0.0			
Plug To:		42.0			
Plug Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Method of Construction & Well Use</u>					
Method Construction ID:	961530653				
Method Construction Code:	4				
Method Construction:	Rotary (Air)				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	10600757				
Casing No:	1				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	930091055				
Layer:	3				
Material:					
Open Hole or Material:					
Depth From:					
Depth To:	210.0				
Casing Diameter:	6.0				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Construction Record - Casing</u>					
Casing ID:	930091054				
Layer:	2				
Material:					
Open Hole or Material:					
Depth From:					
Depth To:	44.0				
Casing Diameter:	6.0				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Construction Record - Casing</u>					
Casing ID:	930091053				
Layer:	1				
Material:	4				
Open Hole or Material:	OPEN HOLE				
Depth From:					
Depth To:	42.0				
Casing Diameter:	8.0				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Water Details</u>					
Water ID:	933490858				
Layer:	1				
Kind Code:	5				
Kind:	Not stated				
Water Found Depth:	73.0				
Water Found Depth UOM:	ft				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Water Details</u>					
Water ID:		933490859			
Layer:		2			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		123.0			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		933490860			
Layer:		3			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		147.0			
Water Found Depth UOM:		ft			
25	3 of 4	SW/195.8	102.0 / -3.46	lot 23 con 4 ON	WWIS
Well ID:	1530654			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Commerical			Data Entry Status:	
Use 2nd:				Data Src:	1
Final Well Status:				Date Received:	08/09/1999
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	201704			Contractor:	4006
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	023
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/153\1530654.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		05/23/1999			
Year Completed:		1999			
Depth (m):		16.4592			
Latitude:		45.3001099067123			
Longitude:		-75.5969649796613			
X:		-75.59696481805355			
Y:		45.30010989986282			
Path:		153\1530654.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:	10052188			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	453196.30
Code OB Desc:				North83:	5016463.00

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	9
Date Completed:	05/23/1999			UTMRC Desc:	unknown UTM
Remarks:				Location Method:	lot
Location Method Desc:		Lot centroid			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931076167			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		20.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931076168			
Layer:		2			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		20.0			
Formation End Depth:		54.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961530654			
Method Construction Code:		8			
Method Construction:		Jetting			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10600758			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing ID: 930091056					
Layer: 1					
Material: 4					
Open Hole or Material: OPEN HOLE					
Depth From:					
Depth To: 20.0					
Casing Diameter:					
Casing Diameter UOM: inch					
Casing Depth UOM: ft					
Construction Record - Casing					
Casing ID: 930091057					
Layer: 2					
Material: 4					
Open Hole or Material: OPEN HOLE					
Depth From:					
Depth To: 54.0					
Casing Diameter:					
Casing Diameter UOM: inch					
Casing Depth UOM: ft					
25	4 of 4	SW/195.8	102.0 / -3.46	lot 23 con 4 ON	WWIS
Well ID: 1530655					
Construction Date:					
Use 1st:					
Use 2nd:					
Final Well Status:					
Water Type:					
Casing Material:					
Audit No: 201705					
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: 08/09/1999					
Selected Flag: TRUE					
Abandonment Rec:					
Contractor: 4006					
Form Version: 1					
Owner:					
County: OTTAWA-CARLETON					
Lot: 023					
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/153\1530655.pdf					
Additional Detail(s) (Map)					
Well Completed Date: 05/23/1999					
Year Completed: 1999					
Depth (m): 17.6784					
Latitude: 45.3001099067123					
Longitude: -75.5969649796613					
X: -75.59696481805355					
Y: 45.30010989986282					
Path: 153\1530655.pdf					
Bore Hole Information					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bore Hole ID:	10052189			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	453196.30
Code OB Desc:				North83:	5016463.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	9
Date Completed:	05/23/1999			UTMRC Desc:	unknown UTM
Remarks:				Location Method:	lot
Location Method Desc:	Lot centroid				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931076169				
Layer:	1				
Color:	6				
General Color:	BROWN				
Material 1:	28				
Material 1 Desc:	SAND				
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:	0.0				
Formation End Depth:	58.0				
Formation End Depth UOM:	ft				
 <u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:	961530655				
Method Construction Code:	0				
Method Construction:	Not Known				
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:	10600759				
Casing No:	1				
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:	930091058				
Layer:	1				
Material:	4				
Open Hole or Material:	OPEN HOLE				
Depth From:					
Depth To:	58.0				
Casing Diameter:	6.0				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
26	1 of 2	E/203.9	103.8 / -1.65	Cars For Less 4871 Bank Street Ottawa ON K1X 1G7	GEN
<u>Generator Info</u>					
Generator No:	ON7440980			Choice of Contact:	
Approval Years:	02,03,04			Contaminated Fac:	
Status:				MHSW Facility:	
PO Box No:				SIC Code:	
Country:					
Co Admin:					
Phone No Admin:					
SIC Description:					
<u>Waste Detail(s)</u>					
Waste Class:	251				
Waste Class Name:	OIL SKIMMINGS & SLUDGES				
<u>Waste Detail(s)</u>					
Waste Class:	252				
Waste Class Name:	WASTE OILS & LUBRICANTS				
<u>Waste Detail(s)</u>					
Waste Class:	265				
Waste Class Name:	GRAPHIC ART WASTES				
<u>Waste Detail(s)</u>					
Waste Class:	331				
Waste Class Name:	WASTE COMPRESSED GASES				
<u>Waste Detail(s)</u>					
Waste Class:	114				
Waste Class Name:	OTHER INORGANIC ACID WASTES				
<u>Waste Detail(s)</u>					
Waste Class:	122				
Waste Class Name:	ALKALINE WASTES - OTHER METALS				
<u>Waste Detail(s)</u>					
Waste Class:	222				
Waste Class Name:	HEAVY FUELS				
<u>Waste Detail(s)</u>					
Waste Class:	145				
Waste Class Name:	PAINT/PIGMENT/COATING RESIDUES				
26	2 of 2	E/203.9	103.8 / -1.65	4871 Bank St	EHS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Ottawa ON K1X1G7					
Order No:	20150515072			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	22-MAY-15			Search Radius (km):	.25
Date Received:	15-MAY-15			X:	-75.583418
Previous Site Name:				Y:	45.305687
Lot/Building Size:					
Additional Info Ordered:					
27	1 of 1	NE/214.0	97.1 / -8.35	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				
<u>Additional Detail(s) (Map)</u>					
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				
<u>Bore Hole Information</u>					
Bore Hole ID:	1007687248			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	453966.00
Code OB Desc:				North83:	5017542.00
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:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
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			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1008087411			
Layer:		2			
Plug From:		7.0			
Plug To:		13.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1008087410			
Layer:		1			
Plug From:		0.0			
Plug To:		7.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1008089005			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1008084824			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1008089345			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth From:		0.0			
Depth To:		8.0			
Casing Diameter:		2.066999912261963			
Casing Diameter UOM:		Inch			
Casing Depth UOM:		ft			
 <u>Construction Record - Screen</u>					
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			
 <u>Results of Well Yield Testing</u>					
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:					
 <u>Water Details</u>					
Water ID:		1008090129			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		10.0			
Water Found Depth UOM:		ft			
 <u>Hole Diameter</u>					
Hole ID:		1008088024			
Diameter:		8.0			
Depth From:		0.0			
Depth To:		13.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		Inch			
28	1 of 1	N/221.2	100.9 / -4.54	87 Dun Skipper Avenue Gloucester, Ontario OTTAWA ON	
Ref No:	1-23VWWE			Municipality No:	
Year:				Nature of Damage:	
Incident Dt:				Discharger Report:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Dt MOE Arvl on Scn: MOE Reported Dt: 8/22/2022 10:20:37 AM Dt Document Closed: Site No: MOE Response: Desktop Response Site County/District: Site Geo Ref Meth: Site District Office: Ottawa District Office Nearest Watercourse: Site Name: Site Address: 87 Dun Skipper Avenue Gloucester, Ontario Site Region: Site Municipality: OTTAWA Site Lot: Site Conc: Site Geo Ref Accu: Site Map Datum: Northing: Easting: Entity Operating Name: Client Name: Client Type: Source Type: Incident Cause: Incident Preceding Spill: Line Strike Incident Reason: Incident Summary: TSSA: ½ PL Service Line Gloucester ~ made safe Environment Impact: 0 No Impact Health Env Consequence: Nature of Impact: Contaminant Qty: Contaminant Qty 1: Contaminant Unit: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Receiving Medium: Air Activity Preceding Spill: Property 2nd Watershed: Lower Ottawa Property Tertiary Watershed: 02LB-Lower Ottawa - South Nation Sector Type: NATURAL GAS DISTRIBUTION SAC Action Class: Call Report Locatn Geodata: {"integration_ids":["PR00003783509"],"wks":["POINT (-75.5930487000 45.3080085000)","creation_date":"2022-08-22"} Time Reported: System Facility Address:					

29	1 of 1	S/224.3	103.9 / -1.54	6391 BLOSSOM TRAIL lot 6 con 3 GREELY ON	WWIS
Well ID: 7123641 Construction Date: Use 1st: Domestic Use 2nd: Final Well Status: Water Supply Water Type: Casing Material: Audit No: Z94625 Tag: A066507 Constructn Method: Elevation (m): Elevatn Reliabilty:					
Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: 06/03/2009 Selected Flag: TRUE Abandonment Rec: Contractor: 1119 Form Version: 7 Owner: County: OTTAWA-CARLETON Lot: 006					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth to Bedrock:				Concession:	03
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		OSGOODE TOWNSHIP			
Site Info:		S/L 23			
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7123641.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		04/15/2009			
Year Completed:		2009			
Depth (m):		63.0936			
Latitude:		45.301700490705			
Longitude:		-75.592291653381			
X:		-75.59229149140792			
Y:		45.30170048379158			
Path:		712\7123641.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		1002435627		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	453564.00
Code OB Desc:				North83:	5016637.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:		04/15/2009		UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	digit
Location Method Desc:					
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1002591041			
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:		12.0			
Formation End Depth:		207.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1002591040			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		1			
Color:					
General Color:					
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:		13			
Material 2 Desc:		BOULDERS			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		12.0			
Formation End Depth UOM:		ft			
 <u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1002591044			
Layer:		2			
Plug From:		12.0			
Plug To:		22.0			
Plug Depth UOM:		ft			
 <u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1002591043			
Layer:		1			
Plug From:		0.0			
Plug To:		12.0			
Plug Depth UOM:		ft			
 <u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		1002591076			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		1002591038			
Casing No:		0			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		1002591047			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:		22.0			
Depth To:		207.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Construction Record - Casing</u>					
Casing ID:		1002591046			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		-2.0			
Depth To:		22.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1002591048			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1002591039			
Pump Set At:		180.0			
Static Level:		25.58300018310547			
Final Level After Pumping:		77.58300018310547			
Recommended Pump Depth:		140.0			
Pumping Rate:		20.0			
Flowing Rate:					
Recommended Pump Rate:		20.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		0			
Water State After Test:					
Pumping Test Method:		0			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002591055			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		48.33300018310547			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002591060			
Test Type:		Recovery			
Test Duration:		10			
Test Level:		28.16699981689453			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002591049			
Test Type:		Draw Down			
Test Duration:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:		34.41699981689453			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002591056			
Test Type:		Recovery			
Test Duration:		4			
Test Level:		37.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002591059			
Test Type:		Draw Down			
Test Duration:		10			
Test Level:		60.66699981689453			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002591064			
Test Type:		Recovery			
Test Duration:		20			
Test Level:		25.58300018310547			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002591051			
Test Type:		Draw Down			
Test Duration:		2			
Test Level:		40.16699981689453			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002591063			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		68.41699981689453			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002591053			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		45.08300018310547			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002591061			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		66.0			
Test Level UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002591066			
Test Type:		Recovery			
Test Duration:		25			
Test Level:		25.58300018310547			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002591067			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		73.33300018310547			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002591071			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		76.25			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002591050			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		55.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002591054			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		40.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002591057			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		51.25			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002591070			
Test Type:		Recovery			
Test Duration:		40			
Test Level:		25.58300018310547			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002591073			
Test Type:		Draw Down			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Duration:		60			
Test Level:		77.58300018310547			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002591052			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		45.5			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002591062			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		25.58300018310547			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002591065			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		70.75			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002591069			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		75.66699981689453			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002591072			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		25.58300018310547			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002591058			
Test Type:		Recovery			
Test Duration:		5			
Test Level:		33.33300018310547			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002591068			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		25.58300018310547			
Test Level UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002591074			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		25.58300018310547			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		1002591045			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		201.0			
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		1002591042			
Diameter:		6.0			
Depth From:		0.0			
Depth To:		207.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
30	1 of 1	NE/225.4	98.0 / -7.39	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			
<u>Additional Detail(s) (Map)</u>					
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				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Bore Hole Information</u>					
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:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	930993839				
Layer:	1				
Color:					
General Color:					
Material 1:	13				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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			
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		961502179			
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		10572792			
Casing No:		1			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
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			
 <u>Construction Record - Casing</u>					
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			
 <u>Results of Well Yield Testing</u>					
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			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Water Details</u>					
Water ID:		933454922			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		85.0			
Water Found Depth UOM:		ft			

<u>31</u>	1 of 1	NE/225.5	98.0 / -7.39	ON	BORE
Borehole ID:		614686			
OGF ID:		215515629			
Status:					
Type:		Borehole			
Use:					
Completion Date:		OCT-1961			
Static Water Level:					
Primary Water Use:					
Sec. Water Use:					
Total Depth m:		27.1			
Depth Ref:		Ground Surface			
Depth Elev:					
Drill Method:					
Orig Ground Elev m:		99.1			
Elev Reliabil Note:					
DEM Ground Elev m:		98.8			
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:		218399047			
Top Depth:		7.6			
Bottom Depth:		27.1			
Material Color:		Grey			
Material 1:		Sandstone			
Material 2:					
Material 3:					
Material 4:					
Gsc Material Description:					
Stratum Description:		SANDSTONE. 00085BEDROCK. 0003500070GREY,SOFT TO STIFF. SILT. GREY,COMPACT. BEDROCK.			
Geology Stratum ID:		218399045			
Top Depth:		0			
Bottom Depth:		4.9			
Material Color:					
Material 1:		Boulders			
Material 2:		Clay			
Material 3:		Sand			
Material 4:					
Gsc Material Description:					
Stratum Description:		BOULDERS.			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Latitude:		45.3100340723354			
Longitude:		-75.587403261625			
X:		-75.58740310040166			
Y:		45.310034064756806			
Path:		734\7344680.pdf			
<u>Bore Hole Information</u>					
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:				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:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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				
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:	1008087409				
Layer:	2				
Plug From:	8.5				
Plug To:	19.83300018310547				
Plug Depth UOM:	ft				
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:	1008087408				
Layer:	1				
Plug From:	0.0				
Plug To:	8.5				
Plug Depth UOM:	ft				
<u>Method of Construction & Well</u>					
<u>Use</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction ID: 1008089004					
Method Construction Code: 6					
Method Construction: Boring					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID: 1008084823					
Casing No: 0					
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
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					
<u>Construction Record - Screen</u>					
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					
<u>Results of Well Yield Testing</u>					
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:					
<u>Water Details</u>					
Water ID: 1008090128					
Layer: 1					
Kind Code: 8					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Kind:		Untested			
Water Found Depth:		11.0			
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		1008088023			
Diameter:		8.0			
Depth From:		0.0			
Depth To:		19.83300018310547			
Hole Depth UOM:		ft			
Hole Diameter UOM:		Inch			
33	1 of 2	NE/244.9	95.6 / -9.79	Heart and Stroke Foundation Hindu Temple 4835 Bank Street, Gloucester Ottawa ON K1X 1G6	GEN
<u>Generator Info</u>					
Generator No:		ON3001940	Choice of Contact:		CO_OFFICIAL
Approval Years:		2016	Contaminated Fac:		No
Status:			MHSW Facility:		No
PO Box No:			SIC Code:		621494
Country:		Canada			
Co Admin:					
Phone No Admin:					
SIC Description:		621494			
<u>Waste Detail(s)</u>					
Waste Class:		312			
Waste Class Name:		PATHOLOGICAL WASTES			
33	2 of 2	NE/244.9	95.6 / -9.79	4835 Bank Street Ottawa ON	EHS
Order No:		20170417001	Nearest Intersection:		
Status:		C	Municipality:		
Report Type:		Standard Select Report	Client Prov/State:		ON
Report Date:		21-APR-17	Search Radius (km):		.25
Date Received:		17-APR-17	X:		-75.586149
Previous Site Name:			Y:		45.310423
Lot/Building Size:					
Additional Info Ordered:		Fire Insur. Maps and/or Site Plans; Title Searches; Topographic Maps; City Directory			
34	1 of 4	ENE/245.3	103.0 / -2.46	HUME TRADING CO LTD 4863 BANK ST GLOUCESTER ON	PRT
Location ID:		5273			
Type:		retail			
Expiry Date:		1994-10-31			
Capacity (L):		2000			
Licence #:		0033978001			
34	2 of 4	ENE/245.3	103.0 / -2.46	Hume Trading Company Limited 4863 Bank St	CA

110 erisinfo.com | Environmental Risk Information Services Order No: 25072301182

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Link Source:	IDS			Geometry X:	
SWP Area Name:	South Nation			Geometry Y:	
Approval Type:		ECA-WASTE MANAGEMENT SYSTEMS			
Project Type:		WASTE MANAGEMENT SYSTEMS			
Business Name:		Hume Trading Company Limited			
Address:		4863 Bank St			
Full Address:					
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/6501-7RKK5A-14.pdf			
PDF Site Location:					

Unplottable Summary

Total: **34** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	CITY	BANK ST.	GLOUCESTER CITY ON	
CA		Lots 23 & 24, Concession 4, Rideau Front	Gloucester ON	
CA	OSSORY CANADA INC.	PRIVATE BLDG. BANK ST.	OTTAWA CITY ON	
CA	MINISTRY OF TRANSPORTATION	HIGHWAY #31, LAT. CATCHBASINS	OTTAWA CITY ON	
CA	THE DOUGLAS MACDONALD DEV. CORP.	COMMERCIAL PLAZA BANK STREET	OTTAWA CITY ON	
CA	MACDONALD DEVELOPMENT CORP.-PLAZA	EASEMENT-BANK STREET	OTTAWA CITY ON	
CA	MACDONALD DEVELOPMENT CORP.	BANK ST.	OTTAWA CITY ON	
CONV	Taggart Construction Limited	Bank Street	South Ottawa ON	
DTNK	W O STINSON & SON LTD*	HWY 31	OTTAWA ON	
DTNK	UPI ENERGY LP*	HWY 31	OTTAWA 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	NAZIMA MEDEWAR	HWY 31	OTTAWA ON	
PTTW	Aecon Construction and Materials Limited	Lots 23, 24, and 25, Concession 5 Ottawa	ON	

PTTW	Courtyard Developments Incorporated	Lot 23, Concession 4 Ottawa	ON	
PTTW	Lafarge Paving and Construction (Eastern) Limited	Lot 22 & 23 , Concession V Ottawa Ontario K2R 1H3 Ottawa	ON	
PTTW	Courtyard Developments Incorporated	Lot 23, Concession 4, Ottawa Ottawa	ON	
RST	DRUMMOND'S GAS	HIGHWAY 31	GLOUCESTER ON	K1B3B8
RST	CAPITAL CITY GAS	HIGHWAY 31	GLOUCESTER ON	K1G3N4
RST	CAPITAL CITY GAS	HIGHWAY 31	GLOUCESTER ON	K1G 3N4
RST	DRUMMOND'S GAS	HIGHWAY 31	GLOUCESTER ON	K1B 3B8
SPL	PIONEER PETROLEUMS LTD.	BANK STREET SOUTH PIONEER GAS STATION. SERVICE STATION	OTTAWA CITY ON	
SPL	QUEENSWAY TANK LINES	CANADIAN TIRE GAS BAR BANK STREET TANK TRUCK (CARGO)	OTTAWA CITY ON	
SPL	OC TRANSPOR	BANK ST. SOUTH MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON	
SPL	ESSO PETROLEUM CANADA	BANK STREET SERVICE STATION	OTTAWA CITY ON	
SPL	ONTARIO HYDRO	BANK ST TRANSFORMER	GLOUCESTER CITY ON	
WWIS		lot 22 con 4	ON	
WWIS		lot 22	ON	
WWIS		lot 22	ON	
WWIS		con 4	ON	
WWIS		lot 23	ON	

Unplottable Report

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: Lots 23 & 24, Concession 4, Rideau Front Gloucester ON

Database:
CA

Certificate #: 3-0642-99-006
Application Year: 00
Issue Date: 12/6/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: Notice
Client Name: Rideau Carleton Raceway Holdings Limited
Client Address: Box 904, R.R. #5
Client City: Gloucester
Client Postal Code: K1G 3N3
Project Description: This application is for approval to allow an existing interim holding tank system to continue to be used until June 1, 2002. The approved forremain can not be constructed until there is an amendment to the Regional Official Plan which has not been amended to date.
Contaminants:
Emission Control:

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: MINISTRY OF TRANSPORTATION
HIGHWAY #31, LAT. CATCHBASINS OTTAWA CITY ON

Database:
CA

Certificate #: 3-1342-93-
Application Year: 93
Issue Date: 12/31/1993
Approval Type: Municipal sewage
Status: Preliminary approval
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.-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: 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: Taggart Construction Limited
Bank Street South Ottawa ON

Database:
CONV

File No: 010503

Location:

Crown Brief No:

Region:

Court Location:

Ministry District:

Publication City:

Publication Title:

Act:

Act(s):

First Matter:

Second Matter:

Investigation 1:

Investigation 2:

Penalty Imposed:

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: W O STINSON & SON LTD*
HWY 31 OTTAWA ON

Database:
DTNK

Delisted Expired Fuel Safety**Facilities**

Instance No: 10449391

Status: EXPIRED

Instance ID: 18397

Instance Type: FS Highway Tank - Gas/Diesel

Instance Creation Dt:

Instance Install Dt:

Item Description:

Manufacturer:

Model:

Serial No:

ULC Standard:

Quantity:

Unit of Measure:

Overfill Prot Type:

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:

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 HIGHWAY TANK - GASOLINE/DIESEL
Original Source: EXP
Record Date: Up to Mar 2012

Tank Underground:
Source:

Site: UPI ENERGY LP*
HWY 31 OTTAWA ON

Database:
DTNK

Delisted Expired Fuel Safety
Facilities

Instance No: 10454099
Status: EXPIRED
Instance ID: 18935
Instance Type: FS Highway Tank - Gas/Diesel
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 HIGHWAY TANK - GASOLINE/DIESEL
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:

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: Bank St Ottawa ON **Database:**
EHS

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.
 Bank St Ottawa ON **Database:**
GEN

Generator Info

Generator No:	ON8798860	Choice of Contact:	
Approval Years:	03,04	Contaminated Fac:	
Status:		MHSW Facility:	
PO Box No:		SIC Code:	
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:			

Site: Lot 22 Concession 5 Ottawa ON **Database:**
LIMO

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 Lndfl Gas:	
Lndfl Gas Mgmt (E):		Lndfl 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):
Tot Site Area (ha):
Footprint:
Tot Apprv Cap (m3):
Contam Atten Zone:
Grndwtr Mntr:
Surf Wtr Mntr:
Air Emis Monitor:
Approved Waste Type:
Client Site Name:
ERC Methodology:
Site Name:
Site Location Details:
Service Area:
Page URL:

Lot 22 Concession 5
Ottawa

Concession:
Latitude:
Longitude:
Easting:
Northing:
UTM Zone:
Data Source:

Site: NAZIMA MEDEWAR
HWY 31 OTTAWA ON

Database:
[PRT](#)

Location ID: 11082
Type: retail
Expiry Date: 1996-03-31
Capacity (L): 36368
Licence #: 0016234001

Site: Aecon Construction and Materials Limited
Lots 23, 24, and 25, Concession 5 Ottawa ON

Database:
[PTTW](#)

EBR Registry No: IA04E1459
Ministry Ref No: ER-6314-65QJFD
Notice Type: Instrument Decision
Notice Stage:
Notice Date: May 09, 2005
Proposal Date: October 14, 2004
Year: 2004
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Aecon Construction and Materials Limited
Site Address:
Location Other:
Proponent Name:
Proponent Address: 4949 Bank Street, Ottawa Ontario, K1X1G7
Comment Period:
URL:
Summary:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

Lots 23, 24, and 25, Concession 5 Ottawa

Site: Courtyard Developments Incorporated
Lot 23, Concession 4 Ottawa ON

Database:
[PTTW](#)

EBR Registry No: IA04E1672
Ministry Ref No: ER-6311-677S8H
Notice Type: Instrument Decision
Notice Stage:
Notice Date: April 01, 2005
Proposal Date: November 30, 2004
Year: 2004
Instrument Type: (OWRA s. 34) - Permit to Take Water

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Off Instrument Name:
Posted By:
Company Name: Courtyard Developments Incorporated
Site Address:
Location Other:
Proponent Name:
Proponent Address: 2811 Barlow Crescent, Dunrobin Ontario, K0A 1T0
Comment Period:
URL:
Summary:

Site Location Details:

Lot 23, Concession 4 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:
Summary:

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: **Courtyard Developments Incorporated**
Lot 23, Concession 4, Ottawa Ottawa ON

Database:
[PTTW](#)

EBR Registry No: IA05E0429
Ministry Ref No: ER-1113-6AYSQ
Notice Type: Instrument Decision
Notice Stage:
Notice Date: July 22, 2005
Proposal Date: April 05, 2005
Year: 2005
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Courtyard Developments Incorporated
Site Address:
Location Other:
Proponent Name:
Proponent Address: 2811 Barlow Crescent, Dunrobin Ontario, K0A 1T0
Comment Period:
URL:
Summary:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

Site: DRUMMOND'S GAS
HIGHWAY 31 GLOUCESTER ON K1B3B8

Database:
RST

Headcode: 01186800
Headcode Desc: SERVICE STATIONS GASOLINE OIL & NATURAL
Phone: 6138221391
List Name:
Description:

Site: CAPITAL CITY GAS
HIGHWAY 31 GLOUCESTER ON K1G3N4

Database:
RST

Headcode: 01186800
Headcode Desc: SERVICE STATIONS GASOLINE OIL & NATURAL
Phone: 6138221324
List Name:
Description:

Site: CAPITAL CITY GAS
HIGHWAY 31 GLOUCESTER ON K1G 3N4

Database:
RST

Headcode: 01186800
Headcode Desc: SERVICE STATIONS-GASOLINE, OIL & NATURAL GAS
Phone:
List Name:
Description:

Site: DRUMMOND'S GAS
HIGHWAY 31 GLOUCESTER ON K1B 3B8

Database:
RST

Headcode: 01186800
Headcode Desc: SERVICE STATIONS-GASOLINE, OIL & NATURAL GAS
Phone:
List Name:
Description:

Site: PIONEER PETROLEUMS LTD.
BANK STREET SOUTH PIONEER GAS STATION. SERVICE STATION OTTAWA CITY ON

Database:
SPL

Ref No: 137358
Year:
Incident Dt: 2/20/1997
Dt MOE Arvl on Scn:
MOE Reported Dt: 2/20/1997
Dt Document Closed:
Site No:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name:
Site Address:
Site Region:
Site Municipality: OTTAWA CITY
Site Lot:
Site Conc:

Municipality No: 20101
Nature of Damage:
Discharger Report:
Material Group:
Impact to Health:
Agency Involved:

Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Entity Operating Name:
Client Name:
Client Type:
Source Type:
Incident Cause: CONTAINER OVERFLOW
Incident Preceding Spill:
Incident Reason: ERROR
Incident Summary: PIONEER PETROLEUMS-4L GASOLINE TO GROUND,UNSAFESPILL RESPONSE BY STAFF.
Environment Impact: NOT ANTICIPATED
Health Env Consequence:
Nature of Impact:
Contaminant Qty:
Contaminant Qty 1:
Contaminant Unit:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

Site: QUEENSWAY TANK LINES
 CANADIAN TIRE GAS BAR BANK STREET TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
 SPL

Ref No:	41622	Municipality No:	20101
Year:		Nature of Damage:	
Incident Dt:	10/2/1990	Discharger Report:	
Dt MOE Arvl on Scn:		Material Group:	
MOE Reported Dt:	10/2/1990	Impact to Health:	
Dt Document Closed:		Agency Involved:	MCCR
Site No:			
MOE Response:			
Site County/District:			
Site Geo Ref Meth:			
Site District Office:			
Nearest Watercourse:			
Site Name:			
Site Address:			
Site Region:			
Site Municipality:	OTTAWA CITY		
Site Lot:			
Site Conc:			
Site Geo Ref Accu:			
Site Map Datum:			
Northing:			
Easting:			
Entity Operating Name:			
Client Name:			
Client Type:			
Source Type:			
Incident Cause:	CONTAINER OVERFLOW		
Incident Preceding Spill:			
Incident Reason:	ERROR		
Incident Summary:	QUEENSWAY TANK LINES: 4 LGASOLINE SPILLED AT GAS BAR		
Environment Impact:	NOT ANTICIPATED		

Health Env Consequence:
Nature of Impact:
Contaminant Qty:
Contaminant Qty 1:
Contaminant Unit:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

Site: OC TRANSP
BANK ST. SOUTH MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON

Database:
SPL

Ref No: 223917 Municipality No: 20107
Year:
Incident Dt: 4/11/2002 Nature of Damage:
Dt MOE Arvl on Scn: Discharger Report:
MOE Reported Dt: 4/11/2002 Material Group:
Dt Document Closed: Impact to Health:
Site No: Agency Involved:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name:
Site Address:
Site Region:
Site Municipality: OTTAWA CITY
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Entity Operating Name:
Client Name:
Client Type:
Source Type:
Incident Cause: PIPE/HOSE LEAK
Incident Preceding Spill:
Incident Reason: UNKNOWN
Incident Summary: SPILL OF DIESEL FUEL TO GRND, CLEAN UP CREW ON THE WAY
Environment Impact: POSSIBLE
Health Env Consequence:
Nature of Impact: Soil contamination
Contaminant Qty:
Contaminant Qty 1:
Contaminant Unit:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
Activity Preceding Spill:
Property 2nd Watershed:

Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

Site: ESSO PETROLEUM CANADA
BANK STREET SERVICE STATION OTTAWA CITY ON

Database:
[SPL](#)

Ref No:	147934	Municipality No:	20101
Year:		Nature of Damage:	
Incident Dt:	10/16/1997	Discharger Report:	
Dt MOE Arvl on Scn:		Material Group:	
MOE Reported Dt:	10/16/1997	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:	OTTAWA CITY		
Site Lot:			
Site Conc:			
Site Geo Ref Accu:			
Site Map Datum:			
Northing:			
Easting:			
Entity Operating Name:			
Client Name:			
Client Type:			
Source Type:			
Incident Cause:	PIPE/HOSE LEAK		
Incident Preceding Spill:			
Incident Reason:	DAMAGE BY MOVING EQUIPMENT		
Incident Summary:	ESSO SERVICE STATION: 40 L GASOLINE TO GROUND		
Environment Impact:	NOT ANTICIPATED		
Health Env Consequence:			
Nature of Impact:			
Contaminant Qty:			
Contaminant Qty 1:			
Contaminant Unit:			
Contaminant Code:			
Contaminant Name:			
Contaminant Limit 1:			
Contam Limit Freq 1:			
Contaminant UN No 1:			
Receiving Medium:	LAND		
Activity Preceding Spill:			
Property 2nd Watershed:			
Property Tertiary Watershed:			
Sector Type:			
SAC Action Class:			
Call Report Locatn Geodata:			
Time Reported:			
System Facility Address:			

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:		
Entity Operating Name:		
Client Name:		
Client Type:		
Source Type:		
Incident Cause:	COOLING SYSTEM LEAK	
Incident Preceding Spill:		
Incident Reason:	OTHER	
Incident Summary:	BACKENTRY - ONTARIO HYDROTRANSFORMER OIL (AMT U/K) ON GROUND	
Environment Impact:	NOT ANTICIPATED	
Health Env Consequence:		
Nature of Impact:		
Contaminant Qty:		
Contaminant Qty 1:		
Contaminant Unit:		
Contaminant Code:		
Contaminant Name:		
Contaminant Limit 1:		
Contam Limit Freq 1:		
Contaminant UN No 1:		
Receiving Medium:	LAND	
Activity Preceding Spill:		
Property 2nd Watershed:		
Property Tertiary Watershed:		
Sector Type:		
SAC Action Class:		
Call Report Locatn Geodata:		
Time Reported:		
System Facility Address:		

<u>Site:</u>	lot 22 con 4 ON	Database: WWIS
Well ID:	1533862	Flowing (Y/N):
Construction Date:		Flow Rate:
Use 1st:	Domestic	Data Entry Status:
Use 2nd:		Data Src:
Final Well Status:	Water Supply	Date Received:
Water Type:		Selected Flag:
Casing Material:		Abandonment Rec:
Audit No:	248351	Contractor:
Tag:		Form Version:
Constructn Method:		Owner:
Elevation (m):		County:
Elevatn Reliabilty:		Lot:
Depth to Bedrock:		Concession:
Well Depth:		Concession Name:
Overburden/Bedrock:		Easting NAD83:

Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10542977	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	
Code OB Desc:		North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	06/19/2003	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
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:			

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

Site:
lot 22 ON

Database:
[WWIS](#)

Well ID: 1527659
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 116662
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliability:
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: 02/25/1994
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1517
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 022
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049286
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 11/27/1993
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: 931067346
Layer: 1
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2: 11
Material 2 Desc: GRAVEL
Material 3: 12
Material 3 Desc: STONES
Formation Top Depth: 0.0
Formation End Depth: 24.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931067347
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 26
Material 2 Desc: ROCK
Material 3: 73
Material 3 Desc: HARD
Formation Top Depth: 24.0
Formation End Depth: 75.0
Formation End Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933112609
Layer: 1
Plug From: 0.0
Plug To: 23.0
Plug Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961527659
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10597856
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930086095
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 27.0
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: 991527659
Pump Set At:
Static Level: 22.0
Final Level After Pumping: 30.0
Recommended Pump Depth: 50.0
Pumping Rate: 30.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:

Water State After Test:
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934111297
Test Type: Draw Down
Test Duration: 15
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934386113
Test Type: Draw Down
Test Duration: 30
Test Level: 28.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934904231
Test Type: Draw Down
Test Duration: 60
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934655860
Test Type: Draw Down
Test Duration: 45
Test Level: 30.0
Test Level UOM: ft

Water Details

Water ID: 933487180
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 60.0
Water Found Depth UOM: ft

Site:

lot 22 ON

Database:
[WWIS](#)

Well ID: 1521468
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 04608
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 07/06/1987
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 022
Concession:
Concession Name:

Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10043290	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	
Code OB Desc:		North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	04/30/1987	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
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:			

Overburden and Bedrock
Materials Interval

Formation ID:	931048157
Layer:	4
Color:	2
General Color:	GREY
Material 1:	28
Material 1 Desc:	SAND
Material 2:	11
Material 2 Desc:	GRAVEL
Material 3:	
Material 3 Desc:	
Formation Top Depth:	50.0
Formation End Depth:	56.0
Formation End Depth UOM:	ft

Overburden and Bedrock
Materials Interval

Formation ID:	931048154
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	79
Material 2 Desc:	PACKED
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	17.0
Formation End Depth UOM:	ft

Overburden and Bedrock
Materials Interval

Formation ID:	931048156
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: 35.0
Formation End Depth: 50.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931048155
Layer: 2
Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2: 79
Material 2 Desc: PACKED
Material 3:
Material 3 Desc:
Formation Top Depth: 17.0
Formation End Depth: 35.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931048158
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: 56.0
Formation End Depth: 125.0
Formation End Depth UOM: ft

Method of Construction & Well
Use

Method Construction ID: 961521468
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10591860
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930075597
Layer: 1

Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 59.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930075598
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: 991521468
Pump Set At:
Static Level: 15.0
Final Level After Pumping: 35.0
Recommended Pump Depth: 60.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934651778
Test Type: Draw Down
Test Duration: 45
Test Level: 35.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934106534
Test Type: Draw Down
Test Duration: 15
Test Level: 35.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934390634
Test Type: Draw Down
Test Duration: 30
Test Level: 35.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934908869
Test Type: Draw Down
Test Duration: 60
Test Level: 35.0
Test Level UOM: ft

Water Details

Water ID: 933479044
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 122.0
Water Found Depth UOM: ft

Site:

con 4 ON

Database:
WWIS

Well ID: 1517523
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliability:
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: 03/20/1981
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot:
Concession: 04
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10039395
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 02/24/1981
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: 931035450
Layer: 2
Color: 3

General Color: BLUE
Material 1: 05
Material 1 Desc: CLAY
Material 2: 77
Material 2 Desc: LOOSE
Material 3:
Material 3 Desc:
Formation Top Depth: 10.0
Formation End Depth: 175.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931035449
Layer: 1
Color: 7
General Color: RED
Material 1: 28
Material 1 Desc: SAND
Material 2: 79
Material 2 Desc: PACKED
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931035451
Layer: 3
Color: 2
General Color: GREY
Material 1: 28
Material 1 Desc: SAND
Material 2: 11
Material 2 Desc: GRAVEL
Material 3: 79
Material 3 Desc: PACKED
Formation Top Depth: 175.0
Formation End Depth: 185.0
Formation End Depth UOM: ft

Method of Construction & Well
Use

Method Construction ID: 961517523
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10587965
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930068902
Layer: 2
Material: 4

Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 185.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930068901
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 184.0
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: 991517523
Pump Set At:
Static Level: 40.0
Final Level After Pumping: 105.0
Recommended Pump Depth: 120.0
Pumping Rate: 7.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 3
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934102054
Test Type: Draw Down
Test Duration: 15
Test Level: 105.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934384288
Test Type: Draw Down
Test Duration: 30
Test Level: 105.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934645364
Test Type: Draw Down
Test Duration: 45
Test Level: 105.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934895056
Test Type: Draw Down
Test Duration: 60
Test Level: 105.0
Test Level UOM: ft

Water Details

Water ID: 933474010
Layer: 1
Kind Code: 2
Kind: SALTY
Water Found Depth: 184.0
Water Found Depth UOM: ft

Site:
lot 23 ON

Database:
[WWIS](#)

Well ID: 1520631
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: NA
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: 08/12/1986
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 023
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10042473
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 05/05/1986
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: 931045364
Layer: 1
Color: 2
General Color: GREY

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: 15.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931045365
Layer: 2
Color: 2
General Color: GREY
Material 1: 14
Material 1 Desc: HARDPAN
Material 2: 12
Material 2 Desc: STONES
Material 3:
Material 3 Desc:
Formation Top Depth: 15.0
Formation End Depth: 19.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931045366
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: 19.0
Formation End Depth: 63.0
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961520631
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10591043
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930074135
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: 930074136
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: 991520631
Pump Set At:
Static Level: 10.0
Final Level After Pumping: 30.0
Recommended Pump Depth: 30.0
Pumping Rate: 20.0
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

Draw Down & Recovery

Pump Test Detail ID: 934907164
Test Type:
Test Duration: 60
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934112517
Test Type:
Test Duration: 15
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934648403
Test Type:
Test Duration: 45
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934387380
Test Type:
Test Duration: 30
Test Level: 30.0
Test Level UOM: ft

Water Details

Water ID: 933477931
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 58.0
Water Found Depth UOM: ft

Water Details

Water ID: 933477930
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 40.0
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 2024

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, 2025

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 2023

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, 2025

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 -Apr 2025

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-Apr 2025

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 - Jun 30, 2025

Drill Hole Database:

Provincial

[DRL](#)

The Ontario Drill Hole Database (ODHD) is offered by the Province of Ontario's Ministry of Mines. The dataset contains information for over 164,000 percussion, overburden, sonic and diamond-drill holes. The presence of assay results with cutoff values for gold, silver, copper, zinc, lead, nickel and platinum group elements is noted. Drill hole data are compiled from assessment files that have been submitted to the ministry in accordance with the Ontario Mining Act (OMA). Source assessment file numbers are captured for cross reference with the Ontario Assessment File Database (OAFD). 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. 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 2024**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 - May 31, 2025**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 - Jun 30, 2025**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 - May 31, 2025**Environmental Effects Monitoring:**

Federal

[EEM](#)

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007***ERIS Historical Searches:**

Private

[EHS](#)

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Aug 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 ERIIS 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, Conservation and Parks (MECP). 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, 2024

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-Jan 2025

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. As of January 1, 2023, businesses and institutions subject to the amended Reg. 347: General – Waste Management are required to report their activities and pay fees through Resource Productivity & Recovery Authority (RPRA) online Hazardous Waste Program Registry (HWPR) rather than the Hazardous Waste Information Network (HWIN) system previously operated by the Ministry of the Environment, Conservation and Parks (MECP). 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-Dec 31, 2024

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-Apr 2024

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 2025

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 Conservation and Parks (MECP) 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. MECP publicly releases the Environmental Compliance Report (ECR) on the Ontario Data Catalogue. In Ontario, all facilities with regulated wastewater discharges or air emissions under the Ontario Water Resources Act and the Environmental Protection Act must monitor and report any cases where approved operating limits have been exceeded.

Government Publication Date: Dec 31, 2023

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-May 31, 2025

National Energy Board Wells:

Federal

NEBP

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

[NEES](#)

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

Government Publication Date: 1974-2003***National PCB Inventory:**

Federal

[NPCB](#)

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

Government Publication Date: 1988-2008***National Pollutant Release Inventory:**

Federal

[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: Feb 2024**National Pollutant Release Inventory - Historic:**

Federal

[NPRI](#)

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances. This data holds historic records; current records are found in NPR2.

Government Publication Date: 1993-May 2017**Oil and Gas Wells:**

Private

[OGWE](#)

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-Feb 28, 2025**Ontario Oil and Gas Wells:**

Provincial

[OOGW](#)

In 1998, the Ministry of Natural Resources (MNR) handed over to the Ontario Oil, Gas and Salt Resources (OGSR) 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 includes well owner/operator, location, permit issue date, and well cap date, license number, 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 provided for each well record.

Government Publication Date: 1800-Aug 2024**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 - Jun 30, 2025

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 - May 31, 2025

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-Jun 2024; Aug 2024; Oct-Nov 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: Feb 2024

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: Feb 2024

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 is 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 - Jun 30, 2025

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-May 2025

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, 2025

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-Jun 2024; Aug; Oct-Apr 2025

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 2024

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 ERI'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 - May 31, 2025

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 ERI'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



Mark S. D'Arcy, P.Eng., QP_{ESA} **Director – Environmental Division**

After receiving his Bachelors of Applied Science from Queen's University in 1991 in Geological Engineering, Mark joined Paterson Group Inc. During the first 10 years of Mark's career, he was heavily involved in all aspects of field work, including drilling boreholes, excavating test pits, conducting phase I site inspections, environmental sampling and analysis and inspection of environmental remediations. During Mark's field experience, he gained invaluable field and office experience, which would prepare Mark to become the Environmental Division Manager. Mark's field experience ranges from Phase I Environmental Site Assessments (ESAs) to on-site soil and groundwater remediations, as well as, environmental/geotechnical borehole investigations. Mark's field experience has provided extensive knowledge of subsurface conditions, contractor relations and project management. These skills would provide Mark with the ability to understand a variety of situations, which has lead Paterson to an extremely successful Environmental Department. Mark became the Environmental Manager in 2006, which consisted of two engineers and two field technicians. Mark has been an integral part in growing the Environmental Division, which now consists of nine engineers and three field technicians. Mark is the Senior Project Manager for a wide variety of environmental projects within the Eastern Ontario area including Phase I ESAs, Phase II ESAs, remediations for filing Records of Site Condition in the Ontario Ministry of the Environment and Climate Change (MOECC) Environmental Site Registry, Brownfield Applications and Landfill Monitoring Programs. As the Senior Project Manager, Mark is responsible for directing project personnel, final report review and overall project success. Mark has proven leadership and ability to manage small to large scale projects within the allotted time and budget.

EDUCATION

B.A.Sc. 1991, Geological Engineering, Queen's University, Kingston, ON

LICENCE/PROFESSIONAL AFFILIATIONS

Professional Engineers of Ontario

ESA Qualified Person with MECP

Ontario Society of Professional Engineers

Consulting Engineers of Ontario

YEARS OF EXPERIENCE

With Paterson: 33

OFFICE LOCATION

9 Auriga Drive, Ottawa, Ontario, K2E 7T9

SELECT LIST OF PROJECTS

- 222 Beechwood Avenue, Ottawa, Ontario (Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- 409 MacKay Street, Ottawa, Ontario (Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- Art's Court Redevelopment, Ottawa, Ontario (Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- Visitor Welcome Centre, Phase II and Phase III, Parliament Hill, Ottawa, Ontario (Senior Project Manager for Environmental Remediation)
- Mattawa Landfill, Mattawa, Ontario (Senior Project Manager, Annual Water Quality Monitoring report)
- Multi-Phase Redevelopment of the Ottawa Train Yards, Ottawa, Ontario (Senior Project Manager)
- Rideau Centre Expansion, Ottawa, Ontario (Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- 26 Stanley Avenue, Ottawa, Ontario, Phase I ESA, Phase II ESA (Senior Project Manager)
- Monitoring Landfills for River Valley, Kipling and Lavigne (Senior Project Manager)
- Block D Lands – Brownfields Project - Kingston

PROFESSIONAL EXPERIENCE

2001 to present, Manager of Environmental Division, Paterson Group Inc., Ottawa, Ontario

- Manage all aspects of the environmental division (management of personnel, budgeting, invoicing, scheduling, business development, reporting, marketing, and fieldwork).
- Review day to day operations within the environmental division.
- Design, perform, and lead Phase I, II and Phase III ESAs, Remediation's, Brownfield Applications and Record of Site conditions, fieldwork surveys, excavation, monitoring, laboratory analysis, and interpretation.
- Write, present, and publish reports with methodology and laboratory analysis results, along with recommendations for environmental findings.
- Responsible for ensuring projects meet Ministry of Environment and Climate Change Standards and Guidelines.
- Building and fostering relationships with clients, stakeholders, and Ministry officials.
- Supervise and continuous training of staff in environmental methods (environmental sampling techniques, technical expertise and guidance).
- Applied due diligence in ensuring the health and safety of staff and the public in field locations.

1991 to 2001, Geotechnical and Environmental Engineer, Paterson Group Inc., Ottawa, Ontario

- Provide on-site geotechnical and environmental expertise to various clients.
- Oversee geotechnical and environmental investigations for drilling and test pitting on numerous proposed utility installations, residential and commercial developments.
- Problem solving to help advance or maintain project schedules.
- Complete environmental reports with recommendations to meet environmental standards set by MOE and CCME standards.
- Conduct site inspections, bearing medium evaluations, bearing surface inspections, concrete testing and field density testing.
- Liaising with contractors, consultants and government officials.
- Provide cost estimates for geotechnical and environmental field programs and construction costs.
- Review RFI's, submittals, monthly progress reports and other various construction related work.