

# **Phase I Environmental Site Assessment**

320 Bren-Maur Road West & 2402 Longfields Drive  
Ottawa, Ontario

Prepared for Uniform Developments Limited

Report: PE6687-2  
September 3, 2025



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## EXECUTIVE SUMMARY

### Assessment

Paterson Group was commissioned by Uniform Developments Limited to carry out a Phase I-Environmental Site Assessment (ESA) for the property addressed 320 Bren-Maur Road West and 2402 Longfields Drive in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and the Phase I Study Area and to identify any environmental concerns with the potential to have impacted the Phase I ESA Property.

Based on a review of historical information, the subject property consisted of vacant agricultural land until 1968, when it was initially developed with one of the existing residential dwellings (320 Bren-Maur Road West). The second residential building was constructed in 1989 (2402 Longfields Drive). The subject property has remained functionally unchanged since that time. No potential environmental concerns were identified with respect to the historical use of the subject site.

The neighbouring lands in the vicinity of the subject site have historically been used for agricultural lands and roadways. The neighbouring vacant properties have since been developed into a stormwater management pond and green spaces. No potential environmental concerns were identified with respect to the historical use of the neighbouring properties.

Following the historical research, a site visit was conducted. The Phase I Property is currently occupied by two (2) single storey, residential dwellings and a storage shed. No potential environmental concerns were identified with respect to the current use of the subject site.

The neighbouring lands within the 250m search radius of the subject site generally consist of a City of Ottawa stormwater management pond, the Jock River, Longfields Drive and vacant lands. No potential environmental concerns were identified with respect to the current use of the neighbouring lands.

**Based on the findings of our assessment, it is our opinion that a Phase II-Environmental Site Assessment is not required for the subject property.**

## **Recommendations**

Based on the approximate age of the subject building addressed 320 Bren-Maur Road West (1968), asbestos containing building materials may be potentially present. Potential ACMs observed at the time of the site inspection include drywall joint compound, vinyl floor tiles, suspended ceiling tiles and stipple plaster. The above noted potential ACMs were noted to be in good condition.

Based on the approximate age of the building addressed 320 Bren-Maur Road West (1968), lead-based paints may be present. The painted surfaces within the subject structure were observed to be in good condition and do not pose an immediate concern to the occupants of the building. Major work involving lead-based paint or other lead containing products must be done in accordance with O.Reg. 843, under the Occupational Health and Safety Act.

Prior to demolition, a designated substance survey of both subject buildings should be conducted in accordance with Ontario Regulation 490/09, under the Occupational Health and Safety Act.

### **Potable Groundwater Wells**

If the two (2) drilled potable groundwater wells are not going to be used as part of any future redevelopment of the subject site, then they must be decommissioned according to Ontario Regulation Reg. 903 (Ontario water Resources Act).

### **Private Septic Systems**

It is recommended that the existing private septic systems on the subject property be decommissioned prior to any future redevelopment of the subject site.



## 1.0 INTRODUCTION

At the request of Uniform Developments Limited, Paterson Group (Paterson) carried out a Phase I-Environmental Site Assessment (Phase I-ESA) for 320 Bren-Maur Road West and 2402 Longfields Drive, herein referred to as the Phase I Property. The purpose of this Phase I-ESA was to research the past and current use of the Phase I ESA Property and properties within the Phase I Study Area to identify any potentially contaminating activities (PCAs) that would result in areas of potential environmental concern (APECs) on the Phase I Property.

Paterson was engaged to conduct this Phase I-ESA by Mr. Annibale Ferro of Uniform Developments Limited. Mr. Ferro can be reached via his mailing address at 117 CentrepoinTE Drive # 300, Nepean ON, K2G 5X3.

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

This Phase I-ESA report has been prepared under the supervision of a Qualified Person, in general accordance with Ontario Regulation (O.Reg.) 153/04, as amended under the Environmental Protection Act, and CSA Z768-01 (reaffirmed 2022). The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I-ESA are based on a review of readily available geological, historical, and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial, and federal agencies and was limited within the scope-of-work, time, and budget of the project herein.

## 2.0 PHASE I PROPERTY INFORMATION

Address: 320 Bren-Maur Road West and 2402 Longfields Drive,  
Ottawa, Ontario

Location: The Phase I Property is located on the southeast corner of the intersection of Longfields Drive and Bre-Maur Road West, in the City of Ottawa, Ontario. Refer to Figure 1 - Key Plan in the Figures section following the text.

Latitude and Longitude: 45°15' 45.3" N, 75° 44' 1.5" W

### **Site Description:**

Configuration: Irregular

Area: 5077 m<sup>2</sup> (approximately)

Zoning: DR – Development Reserve Zone

Current Use: The Phase I ESA Property is currently used for residential purposes with two single storey residential dwellings on site.

Services: The Phase I Property is situated in a mixed-serviced area. The site itself is serviced by private potable groundwater wells and septic systems.

### 3.0 SCOPE OF INVESTIGATION

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

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

## **4.0 RECORDS REVIEW**

### **4.1 General**

#### **Phase I-ESA Study Area Determination**

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

#### **First Developed Use Determination**

Based on a review of historical information the Phase I Property was first developed in 1968, when the residential dwelling addressed as 320 Bren-Maur Road West was built.

#### **Fire Insurance Plans**

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

#### **City of Ottawa Street Directories**

City directories were available for the Phase I property and surrounding lands and were reviewed as part of this assessment beginning in 1967. No properties were listed on Bren-Maur Road until 1995-1996, at which point all properties were continually listed as residential until the most recent year reviewed, 2011. The property located at 320 Bren-Maur Road was listed as residential in the directories reviewed.

Directories were also available for Jockvale Road. All properties were listed as residential with one exception. The property located at 3392 Jockvale Road was listed as Gambles Greenhouses, a commercial garden nursery from approximately 1995 to 2011.

No potential environmental concerns were identified in the City directory review.

## **4.2 Environmental Source Information**

### **Environment Canada**

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

### **PCB Inventory**

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

### **Areas of Natural Significance**

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

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

A request was submitted to the MECP Freedom of Information (FOI) office for information with respect to reports related to environmental conditions for the Phase I Property. No such records were found.

### **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. No such records were found.

### **MECP Waste Management Records**

A request was submitted to the MECP FOI office for information with respect to waste management records as part of this assessment. No such records were found.

### **MECP Incident Reports**

A request was submitted to the MECP FOI office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of

contaminants or inspections maintained by the MECP as part of this assessment. No such records were found.

### **MECP Brownfields Environmental Site Registry (ESR)**

A search of the MECP Brownfields environmental site registry was conducted for the subject site and neighbouring properties as part of this assessment. No Records of Site Condition (RSC) were filed for the subject site. One RSC was filed for the property located at 3380 Jockvale Road (formerly 3392 Jockvale Road) and was associated with Gambles Greenhouses. This RSC was filed in July of 2024 and was based on Phase I and Phase II Environmental Site Assessments.

- ❑ RSC #B-403-7292728818 – 3380 Jockvale Road (Approximately 35m west)

According to the RSC, impacted soil was identified on the RSC Property largely due to its past use as a greenhouse, which included the application of pesticides and fertilizers, as well as former fuel oil and diesel ASTs. A soil remediation program was completed on the RSC property, which saw the removal and off-site disposal of approximately 212 cubic meters of impacted soil. Based on lateral delineation, the identified soil exceedances were said to not extend off-site. The results of groundwater sampling for assessed contaminants of concern, at two separate sampling events, at three locations, were said to meet the applicable groundwater standards for the assessed contaminants of concern prior to the remedial excavation of the shallow soil contamination.

Based on the former soil impacts which did not extend off-site and the groundwater samples which complied with the applicable site standards even prior to remediation, the activities described in the RSC are not considered to pose a potential environmental concern to the Phase I Property.

### **MECP Waste Disposal Site Inventory**

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

### **MECP Coal Gasification Plant Inventory**

The Ontario Ministry of Environment document titled "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed to reference the locations of former

plants with respect to the site. No Municipal Coal Gasification Plant Sites are located within the Phase I Study Area.

### **Technical Standards and Safety Authority (TSSA)**

The TSSA, Fuels Safety Branch in Toronto, was contacted on July 28, 2025, to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. The response from the TSSA indicated that no records were identified pertaining to the subject site or the neighbouring properties. A copy of the correspondence with the TSSA is included in Appendix 2.

### **City of Ottawa Landfill Document**

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

### **City of Ottawa Historical Land Use Inventory (HLUI)**

A search request for the City of Ottawa’s Historical Land Use Inventory (HLUI) database was requested as part of this assessment. The HLUI Map highlighted Gamble’s Greenhouses located at 2393 Longfields Drive and three (3) fuel tanks located at 4244 Jockvale Road. Based on the mapped location and the date of the records pertaining to the fuel tanks, it is suspected that these were used as part of Gamble’s Greenhouses’ production. As previously mentioned, an RSC was filed for the Gamble’s Greenhouses property, 3380 Jockvale Road. The historic presence of Gamble’s Greenhouses and these three (3) fuel tanks are not considered to pose a risk to the subject site.

The HLUI stated that the City of Ottawa’s Environmental Remediation Unit holds copies of Phase I and Phase II ESA reports for the South Nepean Collector Phase 2 project. These reports were written by Golder in March and April of 2016, respectively. These reports are discussed below in the Previous Engineering Reports section.

### **Environmental Risk Information Services (ERIS) Report**

An ERIS (Environmental Risk Information Service) Report dated July 29, 2025, was obtained for the Phase I ESA Property and properties within the 250 m study area.



Based on the ERIS search, one (1) record was identified with respect to the Phase I Property. The one (1) record identified pertains to a drinking water well drilled in 1968.

A total of 19 records were reported for the properties within the Phase I Study Area. The documented records pertain to six (6) borehole records, one (1) Environmental Compliance Approvals, one (1) ERIS Historical Search, one (1) Ontario Regulation 347 Waste Generators Summary, one (1) Record of Site Condition, two (2) Ontario Spills, and seven (7) Water Well Information System records.

Environmental Compliance Approvals and previous ERIS searches are not considered a risk to the Phase I Property.

The six (6) borehole records pertain to boreholes drilled in the 1950s and 1960s. These records are not considered to have the potential to impact the Phase I Property.

The Ontario Regulation 347 Waste Generators Summary pertains to halogenated pesticides and herbicide waste produced at 2393 Longfields Drive. The name of the waste generator is an engineering consulting company which conducted remediation work at that site. It is suspected that this waste generator summary pertains to the soil remediation which took place at 2393 Longfields Drive and therefore is not considered to have the potential to impact the Phase I Property.

The Record of Site Condition identified in the ERIS search is for 2393 Longfields Drive. This is the same RSC as previously mentioned in the "MECP Brownfields Environmental Site Registry (ESR)" section of this report. This property is not considered to pose a potential environmental concern to the Phase I Property.

The two (2) Ontario Spills identified pertain to a fuel oil spill (12 L) at 3415 Jockvale Road and the dumping of paint in the Corrigan Storm Water Management Pond. Due to the nature of the spills and the large separation distance between the subject site and the location of the spills, these are not considered to pose a potential environmental concern to the Phase I Property.

Three (3) Water Well Information records pertain to domestic and livestock wells, one (1) record pertains to an abandoned well and three (3) records pertain to monitoring wells. Two of the wells used for domestic or livestock purposes are assumed to be no longer in use due to a change in the use of the property. The third domestic well is assumed to still be in use by the residents of the residential dwelling addressed as 2416 Longfields Drive. The three (3) monitoring wells are

assumed to have been installed as part of the environmental monitoring and remediation which took place at 2393 Longfields Drive.

No PCAs were identified through a review of the ERIS report. A copy of the ERIS report is included in Appendix 2.

### **Previous Engineering Reports**

- ❑ *“Phase I Environmental Site Assessment of South Nepean Collector Phase 2, Bren-Maur Road at Longfields Drive to Strandherd Drive, Ottawa, Ontario”* prepared by Golder Associates, dated March 2016.

The Phase I ESA was prepared for the proposed construction/extension of Phase 2 of the South Nepean Collector (SNC) sanitary trunk sewer from Bren-Maur Road at Longfields Drive to Strandherd Drive, the majority of which lies outside of the Phase I Study Area. A Phase II ESA was recommended to assess various areas of potential environmental concern, with the sole concern in the vicinity of the current Phase I Property being a commercial nursery. At the time of Golder’s Assessment, the nursery was said to have shallow soil contamination associated with the application of fertilizers and pesticides.

- ❑ *“Phase II Environmental Site Assessment and Materials Management, South Nepean Collector Phase 2, Ottawa, Ontario”* prepared by Golder Associates, dated April 2016.

Golder completed a Phase II ESA for the proposed alignment, the majority of which lies outside of the Phase I Study Area. Groundwater in the vicinity of the Phase I Property was tested for PHCs, BTEX, PAHs, VOCs, PCBs, metals, total phosphorus, and OCPs. No groundwater impacts exceeding MOE Table 3, with the exception of chloroform, were noted in the closest borehole tested to the Phase I Property at the time of this assessment.

## **4.3 Physical Setting Sources**

### **Aerial Photographs**

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

- 1954      The subject and neighbouring properties consist of vacant agricultural land at this time. The Jock River can be seen along the southern

boundary of the subject site. The historical orientations of Jockvale Road and Bren-Maur Road can be seen west and north of the Phase I Property.

- 1968 A residential building and associated outbuilding have been constructed on the subject site since the previous photograph. A commercial garden nursery has been constructed west of the subject site.
- 1976 (geoOttawa) No significant changes are apparent with respect to the subject site or neighbouring properties since the previous photograph.
- 1984 No significant changes are apparent with respect to the subject site or neighbouring properties since the previous photograph.
- 1991 (geoOttawa) The southernmost outbuilding on the subject site has been removed and a new residential dwelling (2402 Longfields Drive) has been constructed since the previous photograph. Additional buildings can be seen west of the subject property at 3392 Jockvale Road. No other significant changes are apparent with respect to the subject site or surroundings properties.
- 2002 (geoOttawa) No significant changes are apparent with respect to the subject site or surrounding properties since the previous photograph.
- 2011 (geoOttawa) No significant changes are apparent with respect to the subject site. A stormwater management pond can be seen under construction north of the subject site. Road construction for Longfields Drive and Jockvale Road can also be seen north of the subject site. Additionally, several parking areas have been constructed south of the subject site, associated with a city recreation area.
- 2025 (Google Earth) No significant changes are apparent with respect to the subject site. The construction of the stormwater pond, Longfields Drive and Jockvale Road have all been completed since the previous photograph. The stormwater management pond has been completed. The commercial nursery west of the subject site and its associated structures have been removed since the previous photograph, and part of these lands have been redeveloped for residential purposes.

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

### **Physiographic Maps**

A Physiographic Map was reviewed from the Natural Resources Canada – The Atlas of Canada website. According to this physiographic map, the site is located in the St. Lawrence Lowlands. According to the mapping description provided: “The lowlands are plain-like areas that were all affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets.” The subject site is located in the Central St. Lawrence Lowland, which is generally less than 150 m above sea level.

### **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 90m above sea level, while the regional topography within the greater area is depicted as sloping down to the southeast in the direction of the Jock River.

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

### **Geological Maps**

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on this information, bedrock in the area of the Phase I Property is reported to consist of interbedded sandstone and dolomite of the March Formation, with a surficial geology consisting of glacial till with a drift thickness ranging from 10 to 15m.

### **Water Well Records**

A well record search was conducted on July 28, 2025, for all drilled wells within 250m of the Phase I ESA Property. One well record was identified on the Phase I ESA Property, which pertains to a drinking water well drilled in 1968.

The search returned 9 well records for the Phase I Study Area. One (1) record pertains to the eight (8) monitoring wells drilled as part of Phase II ESA conducted by AMEC Earth & Environmental in September 2010, on the property addressed as 3392-3394 Jockvale Road. This is the same property covered by the previously mentioned RSC. In July 2024, when the RSC was submitted, no evidence of groundwater contamination was detected. The presence of these groundwater monitoring wells is not considered to pose a concern to the Phase I Property. Three (3) well records pertain to wells drilled for domestic or farm use. Three (3) well

records pertain to monitoring wells drilled for the residential development located approximately 165 m west of the subject site. Two (2) records pertain to abandoned wells. No potential environmental concerns were identified in the water well records review.

The stratigraphy in the immediate area of the Phase I Property consisted of clay, sand, gravel, boulders, and limestone. The wells were drilled between depths of 4 m to 77 m and the water table was encountered at an average depth of 19 m. A copy of the well records has been included in Appendix 2.

### **Areas of Natural Significance**

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

### **Water Bodies**

The nearest named waterbody to the subject property is the Jock River, located along the southern border of the Phase I Property.

## **5.0 INTERVIEWS**

### **Property Owner Representative**

Mr. Ron Gamble, the property owner of 320 Bren-Maur Drive West and 2402 Longfields Drive prior to the sale to Uniform Developments, was interviewed in-person on November 28<sup>th</sup>, 2024. At the time of the interview, Mr. Gamble was still living on the property. Mr. Gamble indicated he had lived in the dwelling addressed 320 Bren-Maur Road West since its construction in 1968. Additionally, his daughter had lived at the property addressed 2402 Longfields Drive since its construction in 1989. Prior to the construction of these dwellings, Mr. Gamble indicated that the subject property and all surrounding properties were agricultural farmlands or vacant land owned by Mr. Gamble's family.

Mr. Gamble indicated that each building has been heated by an oil-fired furnace in the basement since construction. Aboveground furnace oil storage tanks are situated in the basement of each building. Mr. Gamble stated that there have never been any spills or leaks associated with either fuel storage tank. Mr. Gamble was not aware of any potential environmental concerns associated with the subject property.

## **6.0 SITE RECONNAISSANCE**

### **6.1 General Requirements**

The initial site visit was conducted on November 28, 2024, by personnel from Paterson's Environmental Department. A supplemental site visit was carried out on July 31, 2025, from publicly accessible areas.

### **6.2 Specific Observations at the Phase I Property**

#### **Site Description**

The subject site is currently occupied by two single-storey residential dwellings with associated asphalt driveways, landscaped areas and a wooden storage shed. The dwelling located at 320 Bren-Maur Road West is brick clad with a sloped and shingled roof and a concrete block foundation. The dwelling located at 2402 Longfields Drive is clad with vinyl siding and has a sloped and shingled roof. The site and regional topography slope downward to the south in the direction of the Jock River.

Water drainage on the subject site occurs primarily via infiltration in landscaped areas. No ponded water was observed at the time of inspection. No staining, odours or other signs of potential surface or subsurface contamination were observed at the time of the site visit.

A depiction of the Phase I Property is presented on Drawing PE6687-1 – Site Plan, in the Figures section of this report.

#### **Buildings and Structures**

The subject site is currently occupied by two single-storey residential dwellings and a storage shed, all located along the western portion of the Phase I Property.

#### **Potential Environmental Concerns**

##### ☐ **Fuels and Chemical Storage**

No chemical storage areas or signs of underground storage tanks (USTs) were observed on the exterior of the subject site at the time of the site inspection. Fill and vent pipes for aboveground furnace oil storage tanks (ASTs) were present on the exterior of both 320 Bren-Maur Road West and 2402 Longfields Drive. Each set of fill and vent pipes appeared to be in good

condition with no visual or olfactory indications of spills or staining in the vicinity. The vent and fill pipes indicated the presence of furnace oil ASTs located in the basement of each building.

☐ **Hazardous Materials and Unidentified Substances**

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

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

No transformers or other sources of PCBs were observed on the Phase I Property at the time of the site inspection.

☐ **Waste Management**

At the time of the site visit, regular non-hazardous waste and recycling was being generated onsite by the residents. The waste is removed regularly by the City of Ottawa. No other forms of waste were being generated at the time of inspection. No potential environmental concerns were identified with respect to waste management practices at the subject site.

☐ **Private Septic System**

Based on conversations with Mr. Ron Gamble, both residential dwellings are serviced by private septic systems located on the east side of each structure.

☐ **Potable Groundwater Wells**

Based on conversations with Mr. Ron Gamble, both residential dwellings are serviced by a drilled potable groundwater well.

☐ **Fill Material**

No fill material was noted on the Phase I Property.

### **Interior Assessment**

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

#### **320 Bren-Maur Road West**



- ☐ The floors consisted of vinyl tiles (kitchen), carpet (basement recreation areas, bedrooms), and poured concrete (basement).
- ☐ The walls consist of drywall (bedrooms, kitchen, living areas), wood panelling (basement), and concrete block foundation (basement).
- ☐ The ceilings consist of stipple finish (living room), suspended ceiling tiles (basement), drywall (bedrooms and kitchen).
- ☐ Lighting throughout the building is provided by a combination of LED, fluorescent and incandescent fixtures.

#### 2402 Longfields Drive

- ☐ The floors consisted of carpet (bedrooms and hallways), laminate (entryway and living room), linoleum (kitchen) and poured concrete (basement).
- ☐ The walls consist of drywall (throughout).
- ☐ The ceilings consist of stipple finish (living room, kitchen, bedrooms), unfinished drywall (basement).
- ☐ Lighting throughout the building is provided by a combination of LED, fluorescent and incandescent fixtures.

#### **Potentially Hazardous Building Products**

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

Based on the approximate age of the subject building located at 320 Bren-Maur Road West (1968), there is the potential for ACM's to be present within this structure. Materials observed that have the potential to contain asbestos included vinyl floor tiles, drywall joint compound, suspended ceiling tiles and stipple plaster. The above noted potential ACM's were noted to be in good condition at the time of the assessment and do not represent an immediate concern.

ACMs are not expected to be present in 2402 Longfields Drive based on its date of construction (1989).

##### ☐ **Lead-Based Paints**

Based on the approximate age of the subject building located at 320 Bren-Maur Road West (1968), there is the potential for lead based paints to be present within this structure. All paints were observed to be in good

condition at the time of the assessment and do not represent an immediate concern.

Lead based paints are not expected to be present in 2402 Longfields Drive based on its date of construction (1989).

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

No concerns with respect to PCBs or transformer oil were identified within the subject buildings at the time of the site inspection.

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

Based on the approximate age of the subject building located at 320 Bren-Maur Road West (1968), there is the potential for UFFI to be present within this structure. UFFI was not observed within the subject building at the time of the site inspection. However, wall and ceiling cavities were not inspected.

UFFI is not expected to be present in 2402 Longfields Drive based on its date of construction (1989).

☐ **Mould and moisture**

No signs of mould or excessive moisture were observed in either dwelling at the time of the site visit; however, wall cavities were not inspected.

**Other Potential Environmental Concerns**

☐ **Interior Fuel and Chemical Storage**

320 Bren-Maur Road West

A 905 L furnace oil aboveground storage tank was present in the basement of 320 Bren-Maur Road West at the time of the site inspection. The tank was manufactured in 2002 and had a wall thickness of 2 mm. The tank was connected to the furnace and the vent and fill pipes that were observed on the exterior of the residential dwelling. There were no unusual visual or olfactory observations noted around the tank or in the vicinity of the fill and vent pipes on the exterior of the dwelling. This interior aboveground furnace oil storage tank is not considered to pose a potential environmental concern for the Phase I Property.

2402 Longfields Drive

A 909 L furnace oil storage tank was present in the basement of 2402 Longfields Drive at the time of the site inspection. The tank was manufactured in 2015. The tank was connected to the furnace and the vent and fill pipes that were observed on the exterior of the residential dwelling. There were no unusual visual or olfactory observations noted around the tank or in the vicinity of the fill and vent pipes on the exterior of the dwelling. This interior aboveground furnace oil storage tank is not considered to pose a potential environmental concern for the Phase I Property.

Chemical storage at the subject property was limited to commercially available cleaning products, paints, paint thinners and lubricants stored in their original containers. Additionally, within the garage of 320 Bren-Maur Drive West, small volumes of gasoline, properly stored within jerry cans were observed. There were no signs of leaks or staining in the surrounding areas. No hazardous materials, unidentified chemicals, spills, stains, or abnormal odours were observed within the subject structures at the time of the site inspection.

☐ **Ozone Depleting Substances (ODSs)**

Potential sources of ODSs observed on site include refrigerators, and fire extinguishers. These appliances should be regularly maintained and serviced by a licenced contractor.

☐ **Wastewater Discharges**

Wastewater discharges consist of domestic sewage water which discharges to a private septic system for each dwelling. A sump pit was observed in each of the residences. Both sump pits were dry at the time of inspection. No unusual visual or olfactory observations were noted with respect to these sump pits. No floor drains were observed in either of the subject buildings. No concerns were identified with respect to wastewater discharge on the Phase I Property.

### **Neighbouring Properties**

An inspection of the neighbouring properties was conducted from publicly accessible roadways on July 31, 2025. Land use adjacent to the subject site is as follows:

- ☐ North: Bren-Maur Road West, followed by a stormwater management pond, followed by Paul Métivier Drive;
- ☐ South: The Jock River, followed by a residential dwelling, followed by a city park/recreation area;
- ☐ East: A stormwater management pond;
- ☐ West: Longfields Drive, followed by vacant land, followed by Branch Street and residential dwellings;

No potentially contaminating activities were identified with respect to the current use of the neighbouring properties.

Surrounding land use is shown on Drawing PE6687-2 – Surrounding Land Use Plan.

## **7.0 REVIEW AND EVALUATION OF INFORMATION**

### **7.1 Land Use History**

Based on a review of historical information, the Phase I Property was first developed in 1968, with the current residential dwelling that is addressed as 320 Bren-Maur Rd W. The second dwelling, addressed 2402 Longfields Drive, was built in 1989. The property has been used solely for residential purposes.

#### **Potentially Contaminating Activities and Areas of Potential Environmental Concern**

No potentially contaminating activities were identified on the subject site. No off site PCAs were identified within the Phase I study area.

#### **Contaminants of Potential Concern**

Based on the findings of the Phase I – ESA, there are no contaminants of potential concern on the Phase I Property.

### **7.2 Conceptual Site Model**

#### **Geological and Hydrogeological Setting**

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on this information, bedrock in the area of the Phase I Property is reported to consist of interbedded

sandstone and dolomite of the March Formation, with a surficial geology consisting of glacial till with a drift thickness ranging from 10 to 15m.

### **Fill Placement**

No fill material was noted on the Phase I Property.

### **Areas of Natural Significance**

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

### **Water Bodies**

The nearest named waterbody to the subject property is the Jock River, located along the southern border of the Phase I Property.

### **Drinking Water Wells**

There are two potable water wells on the Phase I Property which are still in use.

### **Existing Buildings and Structures**

There are two residential dwellings, and a storage shed located on the western side of the Phase I Property.

### **Neighbouring Land Use**

Neighbouring land use in the Phase I Study Area consists primarily of vacant parkland, with some residential properties.

### **Potentially Contaminating Activities and Areas of Potential Environmental Concern**

Based on the findings of the Phase I ESA, there are no PCAs within the Phase I Study Area.

### **Contaminants of Potential Concern**

Based on the findings of the Phase I – ESA, there are no contaminants of potential concern on the Phase I Property.

### **Assessment of Uncertainty and/or Absence of Information**

The information available for review as part of the preparation of this Phase I- ESA is considered to be sufficient to conclude that there are no PCAs within the Phase I Study Area.

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

## **8.0 CONCLUSIONS**

### **8.1 Assessment**

Paterson Group was commissioned by Uniform Developments Limited to carry out a Phase I-Environmental Site Assessment (ESA) for the property addressed 320 Bren-Maur Road West and 2402 Longfields Drive in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and the Phase I Study Area and to identify any environmental concerns with the potential to have impacted the Phase I ESA Property.

Based on a review of historical information, the subject property consisted of vacant agricultural land until 1968, when it was initially developed with one of the existing residential dwellings (320 Bren-Maur Road West). The second residential building was constructed in 1989 (2402 Longfields Drive). The subject property has remained functionally unchanged since that time. No potential environmental concerns were identified with respect to the historical use of the subject site.

The neighbouring lands in the vicinity of the subject site have historically been used for agricultural lands and roadways. The neighbouring vacant properties have since been developed into a stormwater management pond and green spaces. No potential environmental concerns were identified with respect to the historical use of the neighbouring properties.

Following the historical research, a site visit was conducted. The Phase I Property is currently occupied by two (2) single storey, residential dwellings and a storage shed. No potential environmental concerns were identified with respect to the current use of the subject site.

The neighbouring lands within the 250m search radius of the subject site generally consist of a City of Ottawa stormwater management pond, the Jock River, Longfields Drive and vacant lands. No potential environmental concerns were identified with respect to the current use of the neighbouring lands.

**Based on the findings of our assessment, it is our opinion that a Phase II-Environmental Site Assessment is not required for the subject property.**

## **8.2 Recommendations**

### **Potentially Hazardous Building Materials**

Based on the approximate age of the subject building addressed 320 Bren-Maur Road West (1968), asbestos containing building materials may be potentially present. Potential ACMs observed at the time of the site inspection include drywall joint compound, vinyl floor tiles, suspended ceiling tiles and stipple plaster. The above noted potential ACMs were noted to be in good condition.

Based on the approximate age of the building addressed 320 Bren-Maur Road West (1968), lead-based paints may be present. The painted surfaces within the subject structure were observed to be in good condition and do not pose an immediate concern to the occupants of the building. Major work involving lead-based paint or other lead containing products must be done in accordance with O.Reg. 843, under the Occupational Health and Safety Act.

Prior to demolition, a designated substance survey of both subject buildings should be conducted in accordance with Ontario Regulation 490/09, under the Occupational Health and Safety Act.

### **Potable Groundwater Wells**

If the two (2) drilled potable groundwater wells are not going to be used as part of any future redevelopment of the subject site, then they must be decommissioned according to Ontario Regulation Reg. 903 (Ontario water Resources Act).

### **Private Septic Systems**

It is recommended that the existing private septic systems on the subject property be decommissioned prior to any future redevelopment of the subject site.



## 9.0 STATEMENT OF LIMITATIONS

This Phase I - Environmental Site Assessment report has been prepared under the supervision of a Qualified Person, in general accordance with O.Reg. 153/04, as amended, and CSA Z768-01 (reaffirmed 2022). The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I - ESA are based on a review of readily available geological, historical, and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial, and federal agencies and was limited within the scope-of-work, time, and budget of the project herein.

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

This report was prepared for the sole use of Uniform Developments Limited. Permission and notification from Uniform Developments Limited and Paterson will be required to release this report to any other party.

**Paterson Group Inc.**



Vanessa Naufal, B. Eng.



Mark D'Arcy, P.Eng, QP<sub>ESA</sub>



**Report Distribution:**

- ☐ Uniform Developments Limited
- ☐ Paterson Group

## 10.0 REFERENCES

### **Federal Records**

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

### **Provincial Records**

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

### **Municipal Records**

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

### **Local Information Sources**

Personal Interviews.

### **Public Information Sources**

Google Earth.  
Google Maps/Street View.

### **Private Information Sources**

ERIS Report

# **FIGURES**

**FIGURE 1 – KEY PLAN**

**FIGURE 2 – TOPOGRAPHIC MAP**

**DRAWING PE6687-1 – SITE PLAN**

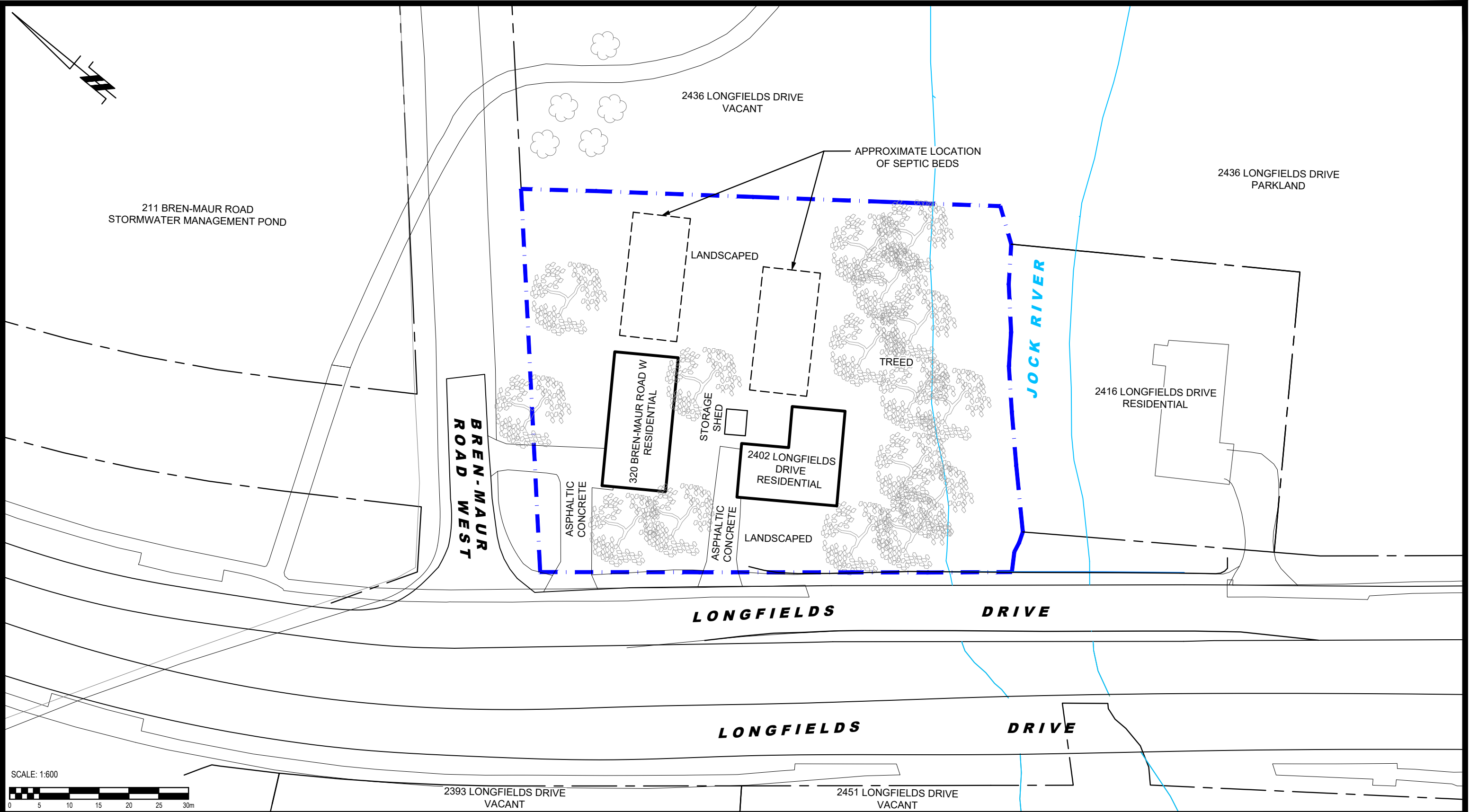
**DRAWING PE6687-2 – SURROUNDING LAND USE PLAN**




FIGURE 1  
KEY PLAN



FIGURE 2  
TOPOGRAPHIC MAP



<div><p>9 AURIGA DRIVE OTTAWA, ON K2E 7T9 TEL: (613) 226-7381</p></div>					UNIFORM DEVELOPMENTS LTD.  PHASE I - ENVIRONMENTAL SITE ASSESSMENT 320 BREN-MAUR ROAD WEST AND 2402 LONGFIELDS DRIVE  OTTAWA, ONTARIO	Scale:	1:600	Date:	08/2025
						Drawn by:	YA	Report No.:	PE6687-2
						Checked by:	MB	Dwg. No.:	PE6687-1
						Approved by:	MSD	Revision No.:	
						Title:			
					SITE PLAN				
	NO.	REVISIONS	DATE	INITIAL					






**LEGEND:**

— PHASE I PROPERTY BOUNDARY

SCALE: 1:3000

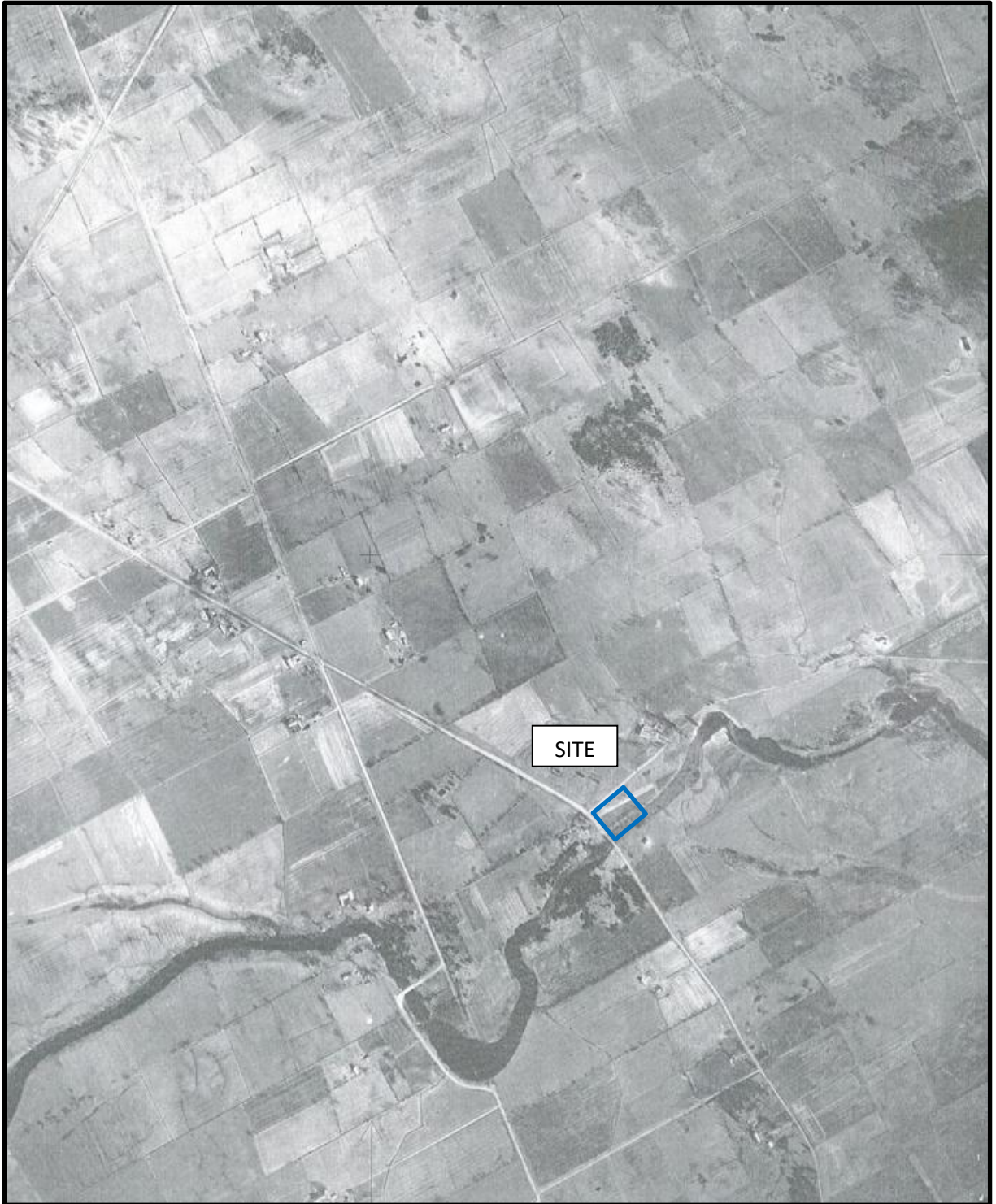
<div><div>9 AURIGA DRIVE OTTAWA, ON K2E 7T9 TEL: (613) 226-7381</div></div>					UNIFORM DEVELOPMENTS LTD.  PHASE I - ENVIRONMENTAL SITE ASSESSMENT 320 BREN-MAUR ROAD WEST AND 2402 LONGFIELDS DRIVE  OTTAWA, ONTARIO	Scale:	1:3000	Date:	08/2025	
						Drawn by:	YA	Report No.:	PE6687-2	
						Checked by:	ANB	Dwg. No.: <b>PE6687-2</b>		
						Approved by:	MSD		Revision No.:	
						SURROUNDING LAND USE PLAN				
	NO.	REVISIONS	DATE	INITIAL						



# **APPENDIX 1**

**AERIAL PHOTOGRAPHS**

**SITE PHOTOGRAPHS**

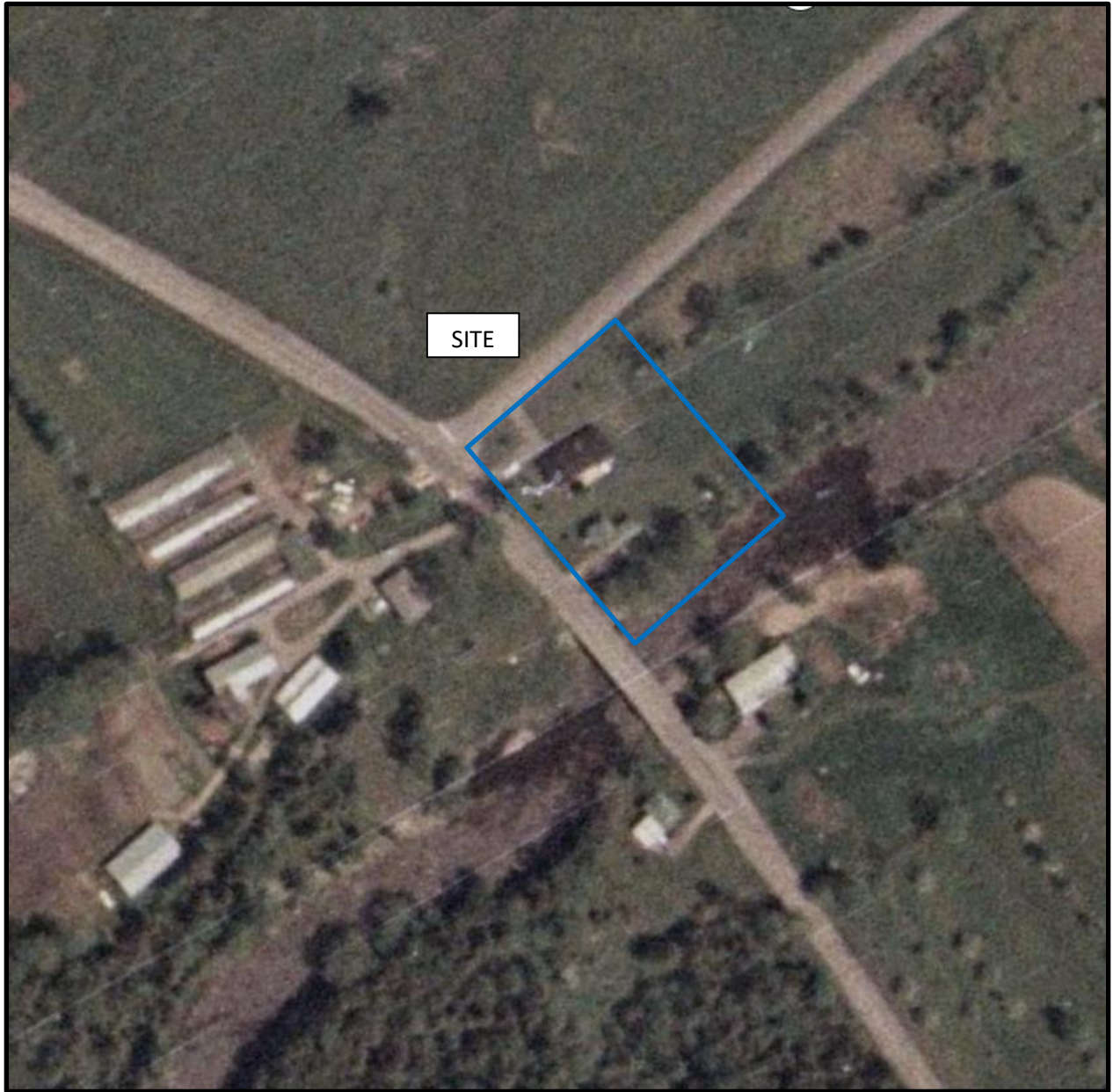


AERIAL PHOTOGRAPH  
1954



AERIAL PHOTOGRAPH  
1968



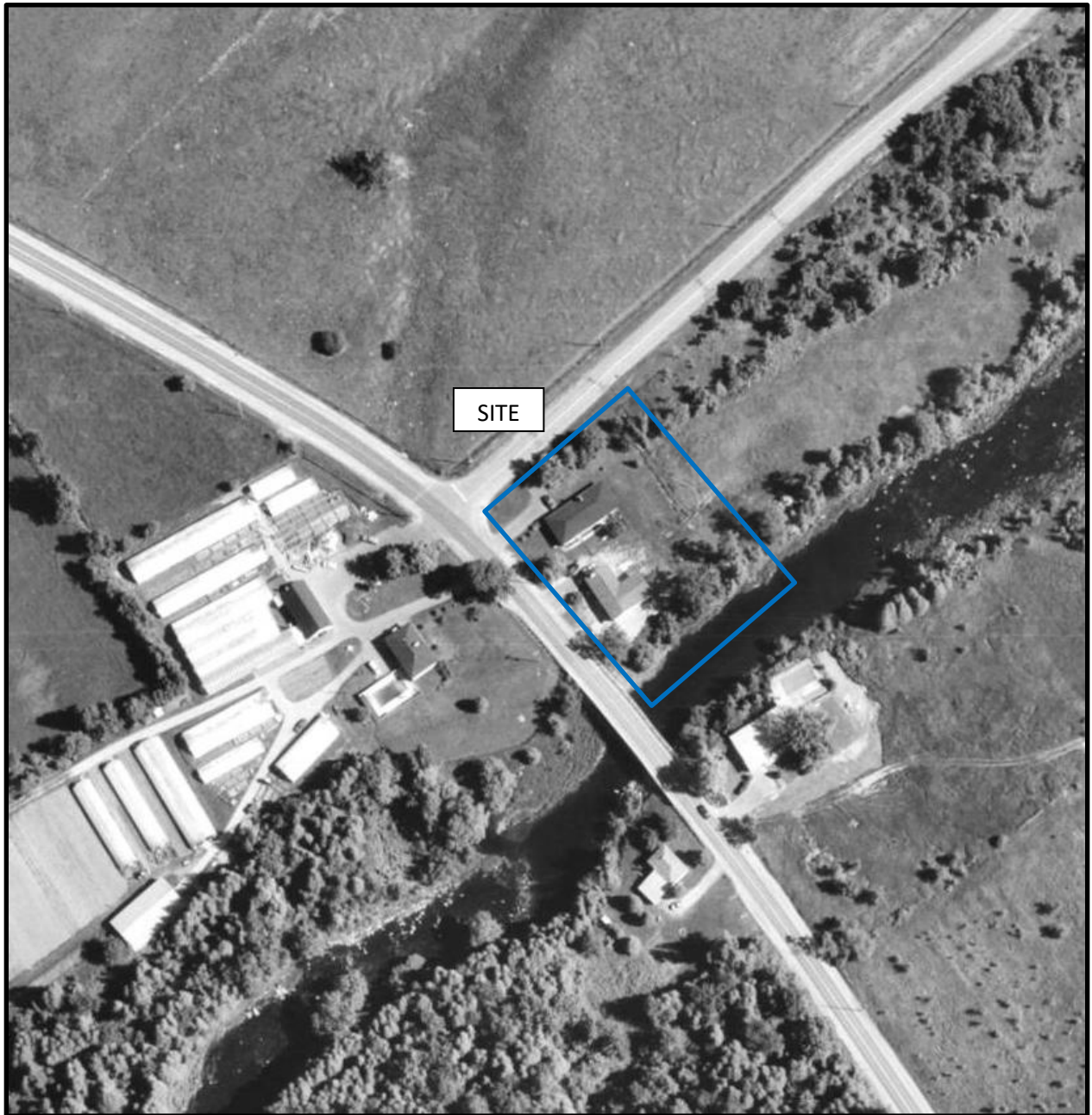


AERIAL PHOTOGRAPH  
1976



AERIAL PHOTOGRAPH  
1984





AERIAL PHOTOGRAPH  
1991



AERIAL PHOTOGRAPH  
2002





AERIAL PHOTOGRAPH  
2011





## AERIAL PHOTOGRAPH 2025



## Site Photographs

PE6687

320 Bren-Maur Road West  
& 2402 Longfields Drive

November 28, 2024



Photo 1: Standing on Bren-Maur Road West facing southeast



Photo 2: Standing on Longfields Drive facing east



## Site Photographs

PE6687

320 Bren-Maur Road West  
& 2402 Longfields Drive

November 28, 2024



Photo 3: Standing on 320 Bren-Maur Road West east of the residential dwelling facing southeast



Photo 4: View of a portion of the stormwater management pond to the north of the Phase I Property (July 31, 2025).

## Site Photographs

PE6687

320 Bren-Maur Road West  
& 2402 Longfields Drive

July 31, 2025



Photo 5: View of the lands to the west of the Phase I Property, facing southwest.



Photo 6: View of the lands to the west of the Phase I Property, facing west.

# **APPENDIX 2**

**MECP FREEDOM OF INFORMATION**

**MECP WELL RECORDS**

**TSSA CORRESPONDANCE**

**CITY OF OTTAWA HLUI**

**ERIS REPORT**



August 12, 2025

Anna Beedell  
Paterson Group  
9 Auriga Drive  
Ottawa, Ontario K2E 7T9  
abeedell@patersongroup.ca

Dear Anna Beedell:

RE: **MECP FOI A-2025-05321– Decision Letter**

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

320 Bren-Maur Road West and 2402 Longfields Drive (Lot 12 and 13, Con 2),  
Ottawa

Timeframe: January 1st, 1900 to August 6th, 2025

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

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

If you have any questions, please contact Shannon Neita at [shannon.neita@ontario.ca](mailto:shannon.neita@ontario.ca).

Yours truly,

***Shannon Neita***

for  
Josephine DeSouza  
Manager, Access and Privacy Office



UTM 1182 442470 E

5R 5012090 N

The Ontario Water Resources Commission Act

Elev. 5R 0300

## WATER WELL RECORD

Basin 25  
County or District Carleton

Township, Village, Town or City Nepean

Con. 11 R.F. Lot 12

Date completed 7 January 1963

(day month year)

Owner KIRK BUILDERS (Ottawa) Limited

(print in block letters)

Address 40 Sherry Lane, Ottawa 12, Ont.

## Casing and Screen Record

Inside diameter of casing 4"

Total length of casing 48' of 4"

Type of screen nil

Length of screen nil

Depth to top of screen nil

Diameter of finished hole 2"

58' of 4" & 196' of 2"

48

## Pumping Test

Static level 10'

Test-pumping rate 5 G.P.M.

Pumping level 120'

Duration of test pumping 1 Hour

Water clear or cloudy at end of test clear

Recommended pumping rate 5 G.P.M.

with pump setting of 120' feet below ground surface

## Well Log

with 1 1/2" Packer

## Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Clay & Boulders	0'	32'		
Gravel	32	42		
Grey Limestone	42	237		
White Silica	237	242		
Grey Granite	242	254	254'	fresh

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

New Home

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

Drilling or Boring Firm

BLAIR PHILLIPS DRILLING CO. LTD.

Address 1119 Palaise Road, Ottawa 5, Ont.

Licence Number 474

Name of Driller or Borer J. Moore

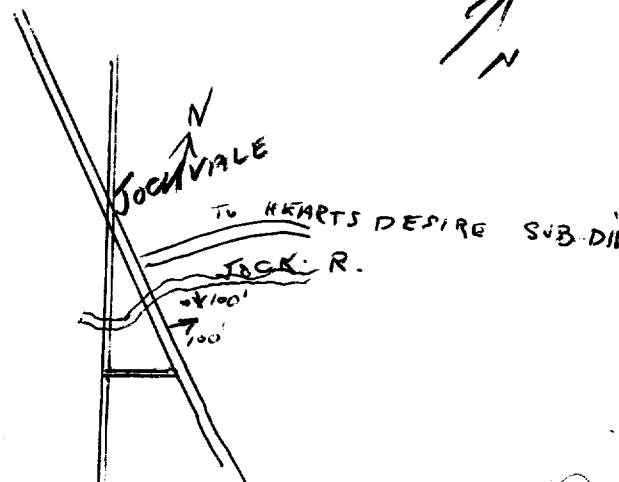
Address 2241 Kars, Ontario.

Date 7 January 1963

(Signature of Licensed Drilling or Boring Contractor)

## Location of Well

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



Form 7 10M-62-1152

OWRC COPY

### Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.  
 • All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.  
 • Questions regarding completing this application can be directed to the Water Well Help Desk (Toll Free) at 1-888-396-9355.  
 • **All metre measurements shall be reported to 1/10<sup>th</sup> of a metre.**  
 • Please print clearly in blue or black ink only.

• Please print clearly in blue or black ink only.										Ministry Use Only									
<b>Well Owner's Information and Location of Well Information</b>										MUN		CON		LOT					
First Name <i>CITY OF</i>			Last Name <i>OTTAWA</i>			Mailing Address (Street Number/Name, RR, Lot, Concession) <i>110 LAURIER AVE. WEST</i>													
County/District/Municipality <i>OTTAWA</i>			Township/City/Town/Village <i>OTTAWA</i>			Province <i>Ontario</i>		Postal Code <i>K1P 1J1</i>		Telephone Number (include area code) <i>613-580-2424</i>									
Address of Well Location (County/District/Municipality) <i>CITY OF OTTAWA</i>						Township <i>FORMER NAPAN</i>				Lot <i>12</i>		Concession <i>2</i>							
RR#/Street Number/Name <i>NORTH OF BRUN-MARK RD 261 BRUN MAINE</i>						City/Town/Village <i>OTTAWA</i>		Site/Compartment/Block/Tract etc.											
GPS Reading		NAD <i>83</i>	Zone <i>18</i>	Easting <i>442532</i>		Northing <i>50112607</i>		Unit Make/Model <i>Snostrak</i>		Mode of Operation:		<input type="checkbox"/> Undifferentiated		<input checked="" type="checkbox"/> Averaged					
										<input type="checkbox"/> Differentiated, specify									

## Log of Overburden and Bedrock Materials (see instructions)

[illegible]

Hole Diameter		
Depth Metres		Diameter
From	To	Centimetres
0	7.37	10.16

Water Record		
Water found at _____ Metres	Kind of Water	
<input type="text"/> m	<input type="checkbox"/> Fresh	<input type="checkbox"/> Sulphur
<input type="checkbox"/> Gas	<input type="checkbox"/> Salty	<input type="checkbox"/> Minerals
<input type="checkbox"/> Other: _____		

<input type="checkbox"/> m	<input type="checkbox"/> Fresh	<input type="checkbox"/> Sulphur
<input type="checkbox"/> Gas	<input type="checkbox"/> Salty	<input type="checkbox"/> Minerals
<input type="checkbox"/> Other:		

After test of well yield, water was

☐ Clear and sediment free

☐ Other, specify \_\_\_\_\_

Chlorinated ☒ Yes ☐ No

[illegible]

Casing			
<input type="checkbox"/> Steel <input type="checkbox"/> Fiberglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized			
<input type="checkbox"/> Steel <input type="checkbox"/> Fiberglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized			
<input type="checkbox"/> Steel <input type="checkbox"/> Fiberglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized			

Screen				
Outside diam	<input type="checkbox"/> Steel	<input type="checkbox"/> Fibreglass	Slot No.	
	<input type="checkbox"/> Plastic	<input type="checkbox"/> Concrete		
	<input type="checkbox"/> Galvanized			

					No Casing or Screen
--	--	--	--	--	---------------------

<input type="checkbox"/> Open hole		
------------------------------------	--	--

[illegible]

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

**Plugging and Sealing Record**      ☐ Annular space      ☒ Abandonment


Depth set at - Metres		Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
From	To		
0	7.37	Bentonite Hole Plug	3 Bag

Method of Construction			
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Rotary (air)	<input type="checkbox"/> Diamond	<input type="checkbox"/> Digging
<input type="checkbox"/> Rotary (conventional)	<input type="checkbox"/> Air percussion	<input type="checkbox"/> Jetting	<input type="checkbox"/> Other
<input type="checkbox"/> Rotary (reverse)	<input type="checkbox"/> Boring	<input type="checkbox"/> Driving	

Water Use			
<input type="checkbox"/> Domestic	<input type="checkbox"/> Industrial	<input type="checkbox"/> Public Supply	<input type="checkbox"/> Other
<input type="checkbox"/> Stock	<input type="checkbox"/> Commercial	<input checked="" type="checkbox"/> Not used	
<input type="checkbox"/> Irrigation	<input type="checkbox"/> Municipal	<input type="checkbox"/> Cooling & air conditioning	

Final Status of Well			
<input type="checkbox"/> Water Supply	<input type="checkbox"/> Recharge well	<input type="checkbox"/> Unfinished	<input checked="" type="checkbox"/> Abandoned, (Other)
<input type="checkbox"/> Observation well	<input type="checkbox"/> Abandoned, insufficient supply	<input type="checkbox"/> Dewatering	<i>Not used</i>
<input type="checkbox"/> Test Hole	<input type="checkbox"/> Abandoned, poor quality	<input type="checkbox"/> Replacement well	

### Well Contractor/Technician Information

Name of Well Contractor <b>RAYMOND Pump &amp; well</b>	Well Contractor's Licence No. <b>7260</b>
Business Address (street name, number, city etc.) <b>147 main st. St-Arbert Qc.</b>	
Name of Well Technician (last name, first name) <b>JACQUES RAYMOND</b>	Well Technician's Licence No. <b>7-0264</b>
Signature of Technician/Contractor 	Date Submitted YYYY MM DD <b>2007 09 19</b>

Location of Well

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

Hand-drawn map showing a road intersection. The vertical road is labeled "Jackson Rd". The horizontal road is labeled "Bren Mauk Rd". At the intersection, there is a small circle with a vertical line passing through it, labeled "58.5" below it. In the top right corner, "72 N" is written.

Audit No.	Z 66810	Date Well Completed	YYYY	MM	DD
			2005	10	10

Was the well owner's information package delivered? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date Delivered <div> <div>2007</div> <div>09</div> <div>19</div> <div>YYYY MM DD</div> </div>
---	--

Ministry Use Only
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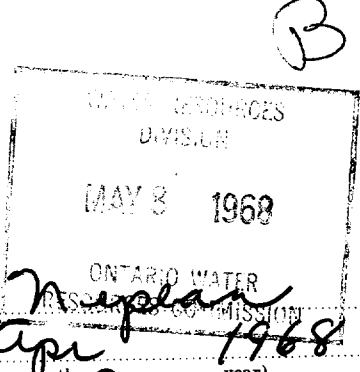
Data Source	Contractor
Date Received <b>OCT 22 2007</b> MM DD	Date of Inspection YYYY MM DD
Remarks	Well Record Number



STW 118-442420  
415012150



1509673



lev. 55-0290  
sin 24

The Ontario Water Resources Commission Act

# WATER WELL RECORD

County or District Carleton Township, Village, Town or City Neplan  
Con. 2 RF Lot 12 Date completed 18 Apr 1968  
Owner Armstrong Associates Address Manotick Ont.  
(print in block letters)

## Casing and Screen Record

Inside diameter of casing 5"  
Total length of casing 44'  
Type of screen  
Length of screen  
Depth to top of screen  
Diameter of finished hole 5"

## Pumping Test

Static level 8'  
Test-pumping rate 10 G.P.M.  
Pumping level 42'  
Duration of test pumping 48 hrs  
Water clear or cloudy at end of test clear  
Recommended pumping rate 5 G.P.M.  
with pump setting of 60 feet below ground surface

## Well Log

### Overburden and Bedrock Record

clay  
clay & boulders  
sand  
sand + gravel  
limestone

From ft.

To ft.

0' 7'  
7' 12'  
12' 26'  
26' 39'  
39' 106'

## Water Record

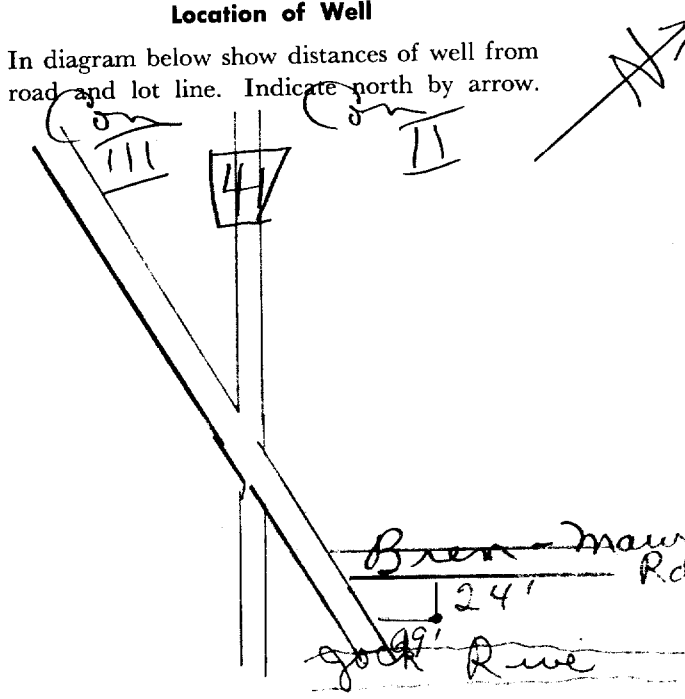
Depth(s) at which water(s) found  
Kind of water (fresh, salty, sulphur)

105' fresh

For what purpose(s) is the water to be used? new house  
Is well on upland, in valley, or on hillside?  
Drilling or Boring Firm Capital Water Supply Ltd.  
Address 14 Ashford Dr  
Ottawa 6  
Licence Number 2857  
Name of Driller or Borer A Mains  
Address  
Date Apr 19 1968  
Walter Kavanagh  
(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.



**OWRC COPY**



Measurements recorded in: ☒ Metric ☐ Imperial

A296206 Tag#:A296206

5-25322 Page of

### **Net Owner's Information**

First Name	Last Name / Organization City of Ottawa	E-mail Address	<input type="checkbox"/> Well Constructed by Well Owner		
Mailing Address (Street Number/Name) 110 Laurier Avenue West	Municipality Ottawa	Province ON	Postal Code K1P1J1	Telephone No. (inc. area code)	

## Well Location

Address of Well Location (Street Number/Name) 2393 Longfield Dr.		Township	Lot	Concession	
County/District/Municipality		City/Town/Village		Province	Postal Code

JTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	442345	5612365		

**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
BRN	top soil		loose	0	0.31
BRN	clay	sh. sh.	soft	0.31	1.52
GRY	silt	sand	soft	1.52	6.1

### Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	.31	concrete monument	
.31	2.74	bentonite	
2.74	6.1	filter sand	

### Results of Well Yield Testing

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

## Method of Construction

<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial	<input type="checkbox"/> Not used
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal	<input type="checkbox"/> Dewatering
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input checked="" type="checkbox"/> Test Hole	<input checked="" type="checkbox"/> Monitoring
<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning	
<input checked="" type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial		
<input type="checkbox"/> Other, <i>specify</i> _____		<input type="checkbox"/> Other, <i>specify</i> _____		

### Well Use

<input type="checkbox"/> Commercial	<input type="checkbox"/> Not used
<input type="checkbox"/> Municipal	<input type="checkbox"/> Dewatering
<input checked="" type="checkbox"/> Test Hole	<input checked="" type="checkbox"/> Monitoring
<input type="checkbox"/> Cooling & Air Conditioning	

## Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		
			From	To	
5.20	PVC	3.40	0	3.1	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned.

### Status of Well

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

## Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (mm)		<input type="checkbox"/> Abandoned, poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____
			From	To	
6.03	PVC	10	3.1	6.1	

### Map of Well Location

Please provide a map below following instructions on the back.

See Map  
MW1


## Water Details

Water found at Depth (m/ft) <input type="checkbox"/> Gas	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Other, specify _____	Depth (m/ft) From To	Diameter (cm/in)
Water found at Depth (m/ft) <input type="checkbox"/> Gas	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Other, specify _____	0 6.1	11.43
Water found at Depth (m/ft) <input type="checkbox"/> Gas	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Other, specify _____		

## Hole Diameter

Depth (m/ft)		Diameter (cm/in)
From	To	
0	6.1	11.43

## Well Contractor and Well Technician Information

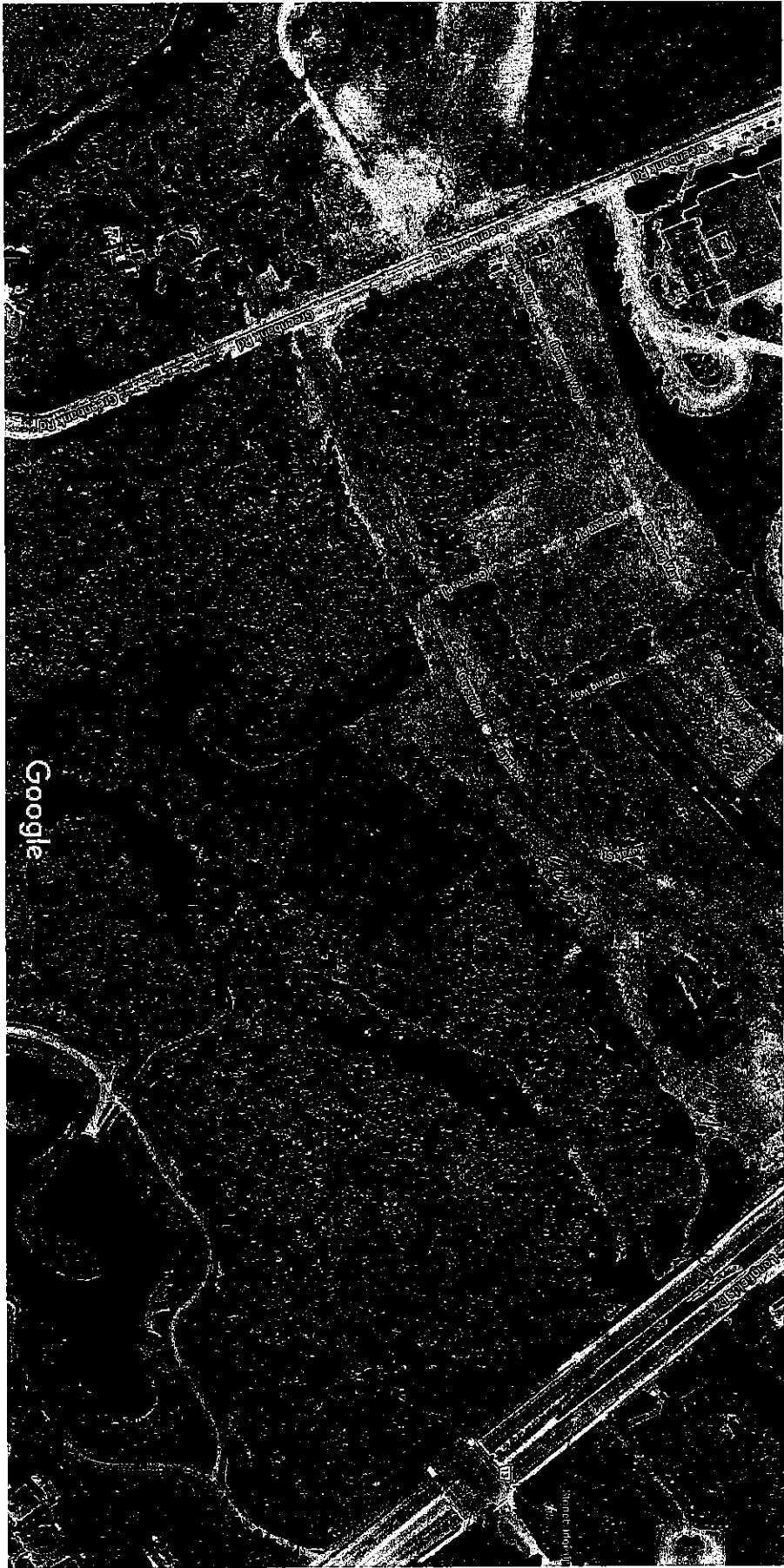
Business Name of Well Contractor Strata Drilling Group		Well Contractor's Licence No. 7241	
Business Address (Street Number/Name) 129 Ringwood Dr.		Municipality Stouffville	
Province ON	Postal Code L4A8C1	Business E-mail Address wrecord@stratasoil.com	
Bus. Telephone No. (inc. area code) 9059407919		Name of Well Technician (Last Name, First Name) McLay, James	
Well Technician's Licence No. 7107	Signature of Technician and/or Contractor 	Date Submitted YY YY MM MM DD Y Y Y Y M M D D	

Comments:

Well owner's information package delivered	Date Package Delivered							
	<table border="1"> <tr> <td>Y</td><td>Y</td><td>Y</td><td>Y</td><td>M</td><td>M</td><td>D</td><td>D</td> </tr> </table>	Y	Y	Y	Y	M	M	D
Y	Y	Y	Y	M	M	D	D	
<input type="checkbox"/> Yes <input type="checkbox"/> No	Date Work Completed							
	20200622							

Ministry Use Only  
Audit No. **2333456**  
**AUG 14 2020**  
Received

Google Maps 2393 Longfields Dr



Imagery ©2020 Maxar Technologies, Map data ©2020 20 m

AUG 14 2020

2393 Longfields Dr  
1478-1

Measurements recorded in: ☒ Metric ☐ Imperial

Well Owner's Information

First Name: Last Name / Organization: E-mail Address: Well Constructed by Well Owner: ☐

Mailing Address (Street Number/Name): Municipality: Province: Postal Code: Telephone No. (inc. area code):

Well Location

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

County/District/Municipality: City/Town/Village: Province: 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)		
				From To		
Well #	Diameter (mm)	Static Water Level (m)	GPS Northing	Eastings	Tag	Depth (m)
15-2	32mmφ	4.05	5012400 N	18442335 E	0	0.00-1.07
15-3A	32mmφ	4.16	5012368 N	18442808 E	0	0.00-5.95
15-10	32mmφ	3.57	5012300 N	18442247 E	0	0.00-6.90
15-7	32mmφ	2.83	5012226 N	18441908 E	0	0.00-9.60

Annular Space		
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
From	To	
See table above	Penbridge 9008	
	Flexplug & Flexplug	

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

Method of Construction		Well Use	
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input type="checkbox"/> Test Hole
<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning
<input type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial	
<input type="checkbox"/> Other, specify		<input type="checkbox"/> 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			
3" PVC			above	<input checked="" type="checkbox"/> Water Supply
				<input type="checkbox"/> Replacement Well
				<input type="checkbox"/> Test Hole
				<input type="checkbox"/> Recharge Well
				<input type="checkbox"/> Dewatering Well
				<input checked="" type="checkbox"/> Observation and/or Monitoring Hole
				<input type="checkbox"/> Alteration (Construction)
				<input type="checkbox"/> Abandoned, Insufficient Supply
				<input type="checkbox"/> Abandoned, Poor Water Quality
				<input checked="" type="checkbox"/> Abandoned, other, specify
				<input type="checkbox"/> Other, specify

Construction Record - Screen				Status of Well	
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		
From	To				
				<input checked="" type="checkbox"/> Water Supply	
				<input type="checkbox"/> Replacement Well	
				<input type="checkbox"/> Test Hole	
				<input type="checkbox"/> Recharge Well	
				<input type="checkbox"/> Dewatering Well	
				<input checked="" type="checkbox"/> Observation and/or Monitoring Hole	
				<input type="checkbox"/> Alteration (Construction)	
				<input type="checkbox"/> Abandoned, Insufficient Supply	
				<input type="checkbox"/> Abandoned, Poor Water Quality	
				<input checked="" type="checkbox"/> Abandoned, other, specify	
				<input type="checkbox"/> Other, specify	

Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Depth (m/ft)	Diameter (cm/in)
From	To		

Well Contractor and Well Technician Information

Business Name of Well Contractor: Well Contractor's Licence No.:

Business Address (Street Number/Name): Municipality:

Province: Postal Code: Business E-mail Address:

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

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

Comments:

Well owner's information package delivered		Date Package Delivered		Ministry Use Only	
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Y/Y/Y/M/M/D/D		Audit No. Z220196	
Date Work Completed		JAN 10 2017		Received	



Address of Well Location (Street Number/Name, RR)

3392 Jockvale Road

Township

Napan

Lot

12

Concession

2

County/District/Municipality

City/Town/Village

Ottawa

Province

Ontario

Postal Code

UTM Coordinates

Zone

Easting

Northing

GPS Unit Make

Model

Mode of Operation:

☐ Undifferentiated

☒ Averaged

NAD 83

184420275012002

Garmin

Etrex

Differentially, specify

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

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From	To
Brown	Sand		Topsoil	0	0.61
Grey	Silty Sand	clumps	damp	0.61	1.22
Brown	Sand	gravel	damp	1.22	3.66
Brown	Silty Sand	gravel	very moist	3.66	4.27
Grey	Sand	silt	very wet	4.27	5.49
Grey	Silt		very wet	5.49	6.1

## Hole Details

Depth (Metres) From	To	Diameter (Centimetres)
0	6.1	20

## Water Use

<input type="checkbox"/> Public	<input type="checkbox"/> Industrial	<input type="checkbox"/> Not used	<input type="checkbox"/> Other, specify
<input type="checkbox"/> Domestic	<input type="checkbox"/> Commercial	<input type="checkbox"/> Dewatering	
<input type="checkbox"/> Livestock	<input type="checkbox"/> Municipal	<input checked="" type="checkbox"/> Monitoring	
<input type="checkbox"/> Irrigation	<input type="checkbox"/> Test Hole	<input type="checkbox"/> Cooling & Air Conditioning	

## Method of Construction

<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Air Percussion	<input type="checkbox"/> Digging
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Diamond	<input type="checkbox"/> Boring
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Jetting	<input checked="" type="checkbox"/> Other, specify
<input type="checkbox"/> Rotary (Air)	<input type="checkbox"/> Driving	HSA

## Status of Well

<input checked="" type="checkbox"/> Test Hole	<input type="checkbox"/> Abandoned, Insufficient Supply
<input type="checkbox"/> Replacement Well	<input type="checkbox"/> Abandoned, Poor Water Quality
<input type="checkbox"/> Dewatering Well	<input type="checkbox"/> Other, specify
<input type="checkbox"/> Alteration (Construction)	<input type="checkbox"/> Abandoned, other, specify

## No Casing and Screen Used

Open Hole

☐ Yes ☒ No

## Static Water Level Test

Metres

## Screen

<input type="checkbox"/> Galvanized	<input type="checkbox"/> Steel	<input type="checkbox"/> Fibreglass	<input type="checkbox"/> Concrete	<input checked="" type="checkbox"/> Plastic
Outside Diameter (Centimetres)	Slot No.			
5.8	10			

## Water Details

Water found at Depth	Kind of Water
Metres <input type="checkbox"/> Gas	<input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals
Water found at Depth	Kind of Water
Metres <input type="checkbox"/> Gas	<input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals
Water found at Depth	Kind of Water
Metres <input type="checkbox"/> Gas	<input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals

Disinfected ☐ Yes ☒ No If no, provide reason: Monitoring Well Date Master Well Completed (yyyy/mm/dd) 2010/08/13

## Cluster Information (Please also fill out the additional Cluster Well Information for Well Construction for each parcel of land and cluster.)

Total Wells in Cluster	Please indicate Number of Cluster Well Information Log Sheets Submitted
8	
Total Wells on this Property	
Unknown	1

## Location of Well Cluster

Detailed Map must be provided as an attachment no larger than legal size (8.5" x 14"). Sketches are not allowed.

☒ Check box to confirm detailed map is provided as per Section 11.1 (3)

Consent to release additional information concerning the cluster to

## Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
George Downing Estate Drilling	1844
Business Address (Street No./Name, number, RR)	Municipality
410 Rue Principale, Grenville sur la Rive	
Province	Postal Code
QC	J0V1P0
Business E-mail Address	Name of Well Technician (Last Name, First Name)
downing@hawk.igo.net	Downing, Bruce
Bus. Telephone No. (inc. area code)	Date Submitted (yyyy/mm/dd)
8192426469	2010/09/21
Well Technician's Licence No.	Signature of Technician
2173	Bruce Downing

## Ministry Use Only

Audit No.	Well Contractor No.
M 06774	
Date Received (yyyy/mm/dd)	Date of Inspection (yyyy/mm/dd)
OCT 08 2010	
Remarks	



Address of Well Location (Street Number/Name, RR) <b>3392 Jockvale Road</b>										Lot		Concession		Township		County/District/Municipality			
City/Town/Village <b>Ottawa</b>										Province <b>Ontario</b>		Postal Code		GPS Unit Make <b>Garmin</b>		Model <b>Etrex</b>		Unit Mode of Operation <input type="checkbox"/> Undifferentiated <input checked="" type="checkbox"/> Averaged <input type="checkbox"/> Differentiated, specify:	
upon request																			
Signature of Technician/Contractor <i>Brune Durin</i>																Date (yyyy/mm/dd) <b>2010/09/21</b>			

Well # on Sketch	Zone	Easting	UTM Coordinates Northing	Full Depth of Hole (metres)	Hole Diameter (cm)	Method of Construction	Casing Material	Casing Length (metres)	Screen Interval (metres) From To	Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of Completion (yyyy/mm/dd)
<b>2</b>	<b>1</b>	<b>84424035012344</b>		<b>4.8</b>	<b>20</b>	<b>HSA</b>	<b>PVC</b>	<b>1.8</b>	<b>1.8 4.8</b>	<b>Bentonite</b>				<b>2010/08/12</b>
<b>3</b>	<b>1</b>	<b>84423165012083</b>		<b>6.7</b>				<b>3.1</b>	<b>3.1 6.1</b>					<b>2010/08/12</b>
<b>4</b>	<b>1</b>	<b>84423435012085</b>		<b>5.4</b>				<b>2.4</b>	<b>2.4 5.4</b>					<b>2010/08/12</b>
<b>5</b>	<b>1</b>	<b>84423415012052</b>		<b>6.7</b>				<b>3.1</b>	<b>3.1 6.1</b>					<b>2010/08/13</b>
<b>7</b>	<b>1</b>	<b>84423305012300</b>		<b>5.4</b>				<b>1.83</b>	<b>1.83 5.49</b>					<b>2010/08/13</b>
<b>8</b>	<b>1</b>	<b>84422765012274</b>		<b>5.7</b>				<b>2.6</b>	<b>2.6 5.6</b>					<b>2010/08/13</b>
<b>9</b>	<b>1</b>	<b>84422965012279</b>		<b>5.4</b>				<b>3</b>	<b>3 5.4</b>					<b>2010/08/16</b>

## Well Contractor and Well Technician Information

Business Name of Well Contractor <b>George Downing Estate Drilling</b>										Business Address (Street Number/Name, RR) <b>410 Rue Principale, Grenville sur la Rouge</b>										Municipality <b>QC</b>		Province <b>QC</b>	
Postal Code <b>J0V1B08192426469</b>										Business Telephone No. (inc. area code) <b>1844downing@hawk.igs.net</b>										Well Contractor's Licence No. <b>1844</b>		Business E-mail Address <b>downing@hawk.igs.net</b>	
Name of Well Technician (First Name, Last Name) <b>Brune Downing</b>										Well Technician's Licence No. <b>2173</b>										Date Submitted (yyyy/mm/dd) <b>2010/09/21</b>		Signature of Technician <i>Brune Downing</i>	

Date 1st Well in Cluster Constructed (yyyy/mm/dd) <b>2010/08/12</b>	Date Last Well in Cluster Constructed (yyyy/mm/dd) <b>2010/08/16</b>
--	---

## Ministry Use Only

Date Received (yyyy/mm/dd) <b>OCT 08 2010</b>	Date Inspected (yyyy/mm/dd)
Audit No. <b>c08023</b>	Remarks <b>m0774</b>





# LEGEND

- SITE BOUNDARY
- SENSITIVE SITE AREA DUE TO PROXIMITY TO RIVER
- INDOOR AIR (NOT VISIBLE ON AIR PHOTO)
- MW-3 MONITORING WELL
- BH-1 BOREHOLE



## TITLE

BOREHOLE AND MONITORING WELL LOCATION PLAN

GAMBLE'S NURSERY  
3392-3394 Jockvale Road  
Ottawa, Ontario

## CLIENT

CITY OF OTTAWA

Realty Services Branch  
110 Laurier Avenue West, 5th Floor  
Ottawa, Ontario  
K1P 1J1

## DRAWN BY:

JFT

## CHECKED BY:

KDH

## DATE:

SEPTEMBER 2010

## PROJECT NO:

TZ101013

## SCALE:

1 : 1,000

## FIGURE NO:

4

C-1844 m06774  
C08023

OCT 08 2010





Measurements recorded in: ☒ Metric ☐ Imperial

1296207

Tag#: A296207

15-25322

Well Owner's Information

First Name	Last Name / Organization City of Ottawa	E-mail Address	<input type="checkbox"/> Well Constructed by Well Owner
Mailing Address (Street Number/Name) 110 Laurier Avenue West	Municipality Ottawa	Province ON	Postal Code K1A1J1
Telephone No. (inc. area code)			

Well Location

Address of Well Location (Street Number/Name) 2393 Longfields Dr	Township	Lot	Concession
County/District/Municipality	City/Town/Village Ottawa	Province Ontario	Postal Code
UTM Coordinates NAD 83 18 44 23 99 59 12 30 1	Zone 18	Easting 44	Northing 23
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
BRN	top soil		loose	0 .31
BRN	clay	silt	soft	.31 2.13
GRY	silt	sand	soft	2.13 6.1

Annular Space		
Depth Set at (m/ft) From To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0 .31	concrete/monument	
.31 2.74	ben-tonite	
2.74 6.1	filter sand	

Method of Construction	Well Use
<input type="checkbox"/> Cable Tool <input type="checkbox"/> Rotary (Conventional) <input type="checkbox"/> Rotary (Reverse) <input type="checkbox"/> Boring <input checked="" type="checkbox"/> Air percussion <input type="checkbox"/> Other, specify	<input type="checkbox"/> Diamond <input type="checkbox"/> Jetting <input type="checkbox"/> Driving <input type="checkbox"/> Digging <input type="checkbox"/> Public <input type="checkbox"/> Domestic <input type="checkbox"/> Livestock <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Other, specify
<input type="checkbox"/> Commercial <input type="checkbox"/> Municipal <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Cooling & Air Conditioning <input type="checkbox"/> Not used <input type="checkbox"/> Dewatering <input checked="" type="checkbox"/> 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) From To	<input type="checkbox"/> Water Supply <input checked="" type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify <input type="checkbox"/> Other, specify
5.20	PVC	.390	0 3.1	

Construction Record - Screen		
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.
6.03	PVC	10

Water Details		Hole Diameter	
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Depth (m/ft) From To	Diameter (cm/in)
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	0 6.1	11.43
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		

Well Contractor and Well Technician Information			
Business Name of Well Contractor Strata Drilling Group	Well Contractor's Licence No. 72241		
Business Address (Street Number/Name) 129 Ringwood Dr	Municipality St. Catharines		
Province ON	Postal Code L4A 8C1	Business E-mail Address wrecorde@strataoil.com	
Bus. Telephone No. (inc. area code) 905 416 7919	Name of Well Technician (Last Name, First Name) M. J. James		
Well Technician's Licence No. 711072	Signature of Technician and/or Contractor	Date Submitted Y Y Y Y M M D D	

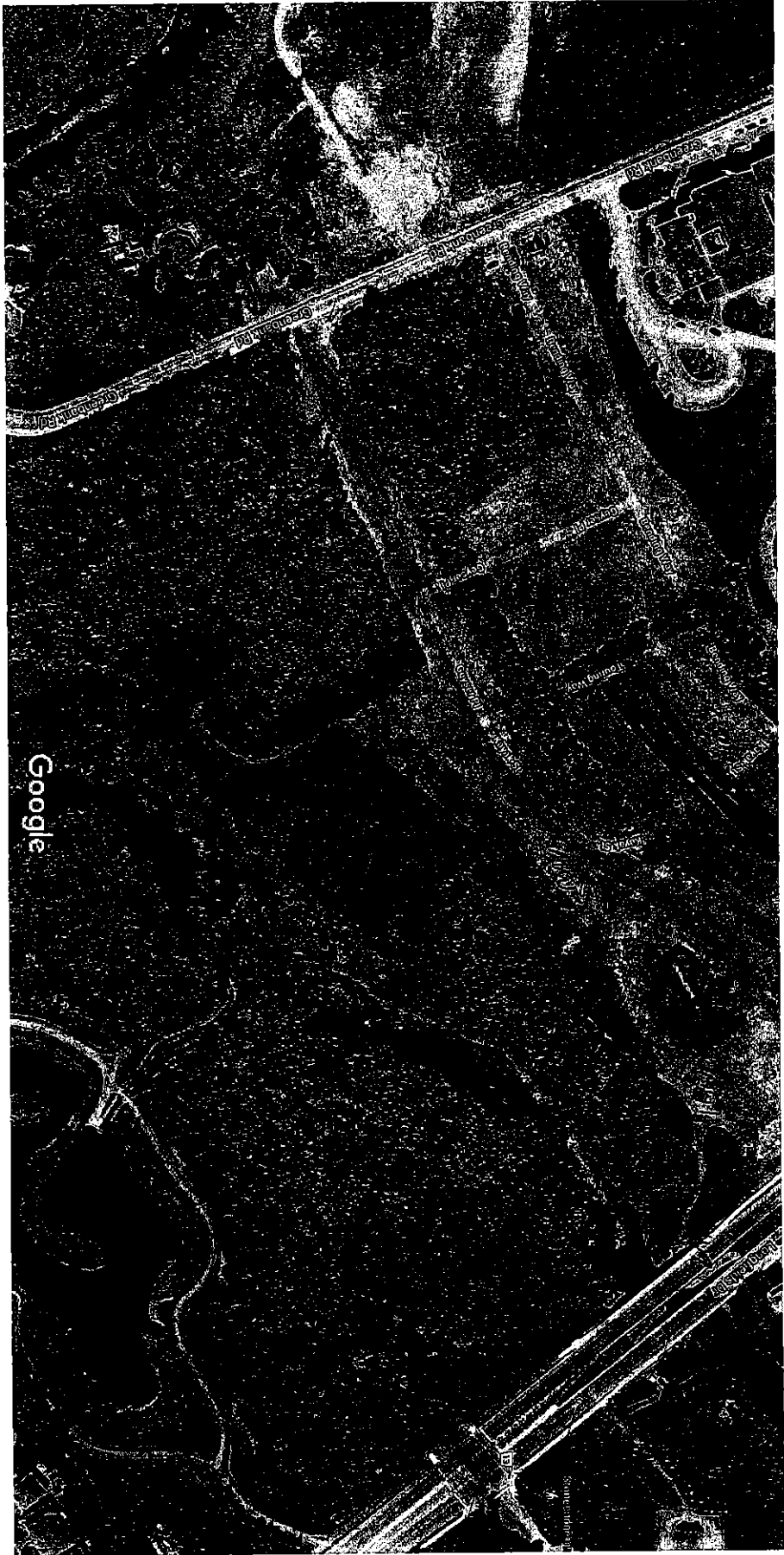
Results of Well Yield Testing				
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:	Static Level			
	1		1	
Pump intake set at (m/ft)	2		2	
Pumping rate (l/min / GPM)	3		3	
Duration of pumping hrs + min	4		4	
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? <input type="checkbox"/> Yes <input type="checkbox"/> No	30		30	
	40		40	
	50		50	
	60		60	

Map of Well Location  
Please provide a map below following instructions on the back.

See Map  
m w 2

Comments:	Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered Y Y Y Y M M D D	Ministry Use Only Audit No. 2333483 Received AUG 14 2020
	Date Work Completed 20200622		

Google Maps 2393 Longfields Dr



Google

Imagery ©2020 Maxar Technologies, Map data ©2020

20 m

AUG 14 2023

C-7244  
7233483



Measurements recorded in: ☒ Metric ☐ Imperial

A296210 Tag#: A296210 Regulation 903 Ontario Water Resources Act S-25322 Page of

Well Owner's Information

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

Mailing Address (Street Number/Name): 110 Laurier Avenue West Municipality: Ottawa Province: ON Postal Code: K6P 1J1 Telephone No. (inc. area code):

Well Location

Address of Well Location (Street Number/Name): 2393 Longfields Dr. Township: Lot: Concession:

County/District/Municipality: 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)
BRN	top soil		loose	0 .31
BRN	silt	sand	soft	.31 1.22
GRY	silt	sand	soft	1.22 4.57

Annular Space			
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)	
0 .31	concrete/monument		
.31 1.22	buttonite		
1.22 4.57	litter sand		

Method of Construction		Well Use	
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input checked="" type="checkbox"/> Test Hole
<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input checked="" type="checkbox"/> Monitoring
<input checked="" type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial	<input type="checkbox"/> Cooling & Air Conditioning
<input type="checkbox"/> Other, specify		<input type="checkbox"/> 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)	
5.20	PVC	.390	0 1.52	<input type="checkbox"/> Water Supply
				<input type="checkbox"/> Replacement Well
				<input checked="" type="checkbox"/> Test Hole
				<input type="checkbox"/> Recharge Well
				<input type="checkbox"/> Dewatering Well
				<input checked="" type="checkbox"/> Observation and/or Monitoring Hole
				<input type="checkbox"/> Alteration (Construction)
				<input type="checkbox"/> Abandoned, Insufficient Supply
				<input type="checkbox"/> Abandoned, Poor Water Quality
				<input type="checkbox"/> Abandoned, other, specify
				<input type="checkbox"/> Other, specify

Construction Record - Screen			
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)
6.03	PVC	10	1.52 4.57

Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Depth (m/ft)	Diameter (cm/in)
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	From To	
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	0 4.57	11.43
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify		
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify		

Well Contractor and Well Technician Information

Business Name of Well Contractor: Strada Drilling Group Well Contractor's Licence No.: 73247

Business Address (Street Number/Name): 129 Ringwood Dr. Municipality: Stouffville

Province: ON Postal Code: L4A 8C4 Business E-mail Address: wrcor@stradasoil.com

Bus. Telephone No. (inc. area code): 905 940 7919 Name of Well Technician (Last Name, First Name): M. C. J. Danks

Well Technician's Licence No.: 7107 Signature of Technician and/or Contractor: Date Submitted: YYY Y M M D D

Results of Well Yield Testing			
After test of well yield, water was:		Draw Down	
<input type="checkbox"/> Clear and sand free		Time (min)	Water Level (m/ft)
<input type="checkbox"/> 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 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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.

See Map  
mw 3

Comments:

Well owner's information package delivered: ☐ Yes ☐ No

Date Package Delivered: YYY Y M M D D

Date Work Completed: 2020 06 22

Ministry Use Only

Audit No.: 2333455

Received: AUG 14 2020

Google Maps 2393 Longfields Dr



Google

Imagery ©2020 Maxar Technologies, Map data ©2020 20 m

C-7241  
2333455  
AUG 14 2020

---

**RE: PE6687 - Records Search Request**

---

From Public Information Services <publicinformationsservices@tssa.org>

Date Tue 7/29/2025 8:48 AM

To Anna Beedell <abeedell@patersongroup.ca>

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

### **NO RECORD FOUND IN CURRENT DATABASE**

Hello,

Thank you for your request for confirmation of public information. TSSA has performed a preliminary search of TSSA's current database.

- We confirm that there are no records in our current database of any fuel storage tanks at the subject address(es).

### **Accessing the applications**

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

### **Accessing the Service Prepayment Portal**

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

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

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

If you have any questions or concerns, please do not hesitate to contact our Public Information Release team at [publicinformationsservices@tssa.org](mailto:publicinformationsservices@tssa.org).

Kind regards,

---

**From:** Anna Beedell <abeedell@patersongroup.ca>  
**Sent:** Monday, July 28, 2025 4:09 PM  
**To:** Public Information Services <publicinformationservices@tssa.org>  
**Subject:** PE6687 - Records Search Request

**[CAUTION]:** This email originated outside the organisation.

Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Hello,

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

Bren-Maur Road W: 320  
Bren-Maur Road: 211  
Longfields Drive: 2325, 2393, 2402, 2416, 2436, 2451  
Jockvale Road: 3380

Thank you,



ANNA BEEDELL  
Environmental Student  
  
Environmental Division  
  
9 AURIGA DRIVE  
OTTAWA ON K2E 7T9  
[patersongroup.ca](http://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!**

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File Number: D06-03-25-0087

August 20, 2025

Anna Beedell  
Paterson Group

*Sent via email [abeedell@patersongroup.ca]*

Dear Anna Beedell,

**Re: Information Request**  
320 Bren-Maur Road West, **Ottawa, Ontario ("Subject Property")**

**Internal Department Circulation:**

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

- **Environmental Remediation Unit:** The City's Environmental Remediation Unit (ERU) has copies of the following environmental reports from the South Nepean Collector Phase 2 Project (Bren-Maur Road at Longfields Drive to Strandherd Drive):
  - Golder, 2016. South Nepean Collector Phase 2 - Phase I ESA. Mar2016
  - Golder, 2016. South Nepean Collector Phase 2 - Phase II ESA. Apr2016

Please contact [ERU-UAE@ottawa.ca](mailto:ERU-UAE@ottawa.ca) to request copies of the reports if required.

- **Sewer Use Program:** No information found pertaining to the subject property.
- **Solid Waste Services:** The subject property is within 4.5 km of the Barnsdale YLW facility at 4296 Barnsdale Road, within 4 km of the Trail Waste Facility at 4309 Trail Road, and 4 km of the Plasco Waste Conversion facility at 4478 Trail Road.
- **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 – 320 Bren-Maur Road W.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](mailto:HLUI@ottawa.ca).

Sincerely,

**Zara Paris**

Student Planner | Étudiante en Urbanism

Development Review | Examen des projets d'aménagement

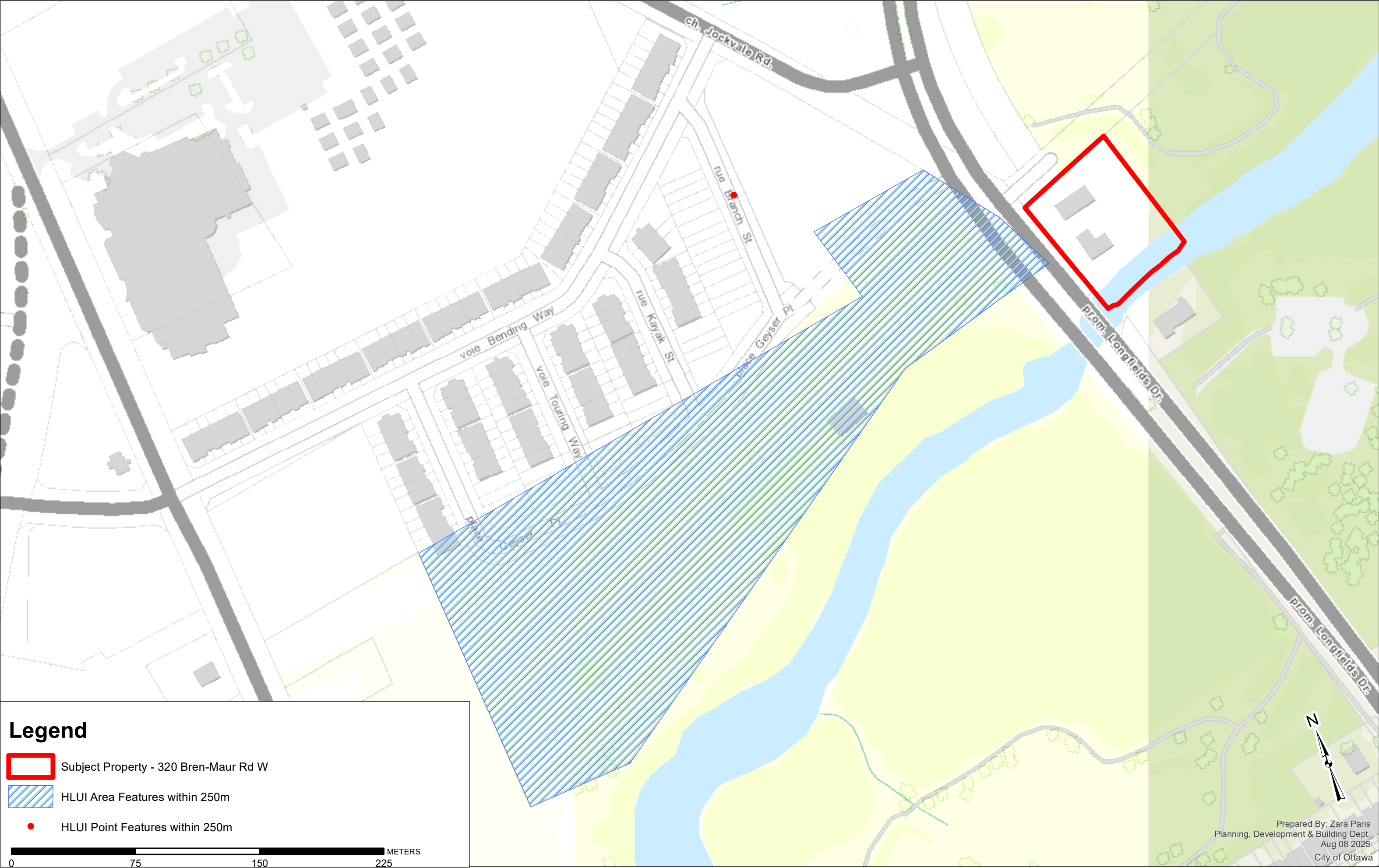
City of Ottawa | Ville d'Ottawa

Enclosures: (2)

1. HLUI Map
2. HLUI Summary Report

cc: File no. D06-03-25-0087

HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP - 320 BREN-MAUR RD. W



OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	SOURCE_UPDATE_SORTED	QAQC	YEAR	YEAR_1	ST_NUM	ST_NAME	ST_SUFFIX	ST_DIR	MUNICIPALITY	ST_NUM2017	ST_NAME2017	ST_SUFFIX2017	ST_DIR2017	POSTAL_CODE2017	PIN2017	MUNICIPALITY2017	NAICS	SIC	COMMENTS	STORAGE_TANK	Shape_Area	Shape_Length
484	GAMBLE'S GREENHOUSES	Hardware, Paint, Glass and Wallpaper Stores (Paint Storage)	2005-SelectPhone	1	2005	c. 2005	3392.000000000000	JOCKVALE	RD			2393	LONGFIELDS	DR		047320034	NEPEAN		444210; 444220				47805.934392893403128	1160.963013011489920



OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	TANK_LOCATIO N	TANK_CONT ENT	TANK_SIZE	TANK_TYPE	TANK_STAT US	SOURCE	INSTALLED_ ST_NUM	INSTALLED_ST_NAM E	INSTALLE D_ST_ABR	INSTALL ED_ST_ DIR	COMMENT	MTM_X	MTM_Y	IMAGE_MAP	IMAGE_CERTAIN TY	IMAGE_MAP _2	TANK_MATE RIAL	TANK_ID	TANK_LEAKI NG	TANK_REMO VED	REMOVED_DA TE	DATE_INSTALL ED	NATURE_OF_B USINESS	SCANNED _DRAWN G	TEMPREcordid	CAPACITY _UOM	MUNICIPA LITY	POSTCOD E
7761	REGIONAL MUNICIPALITY OF OTTAWA CARLETON	Private Fuel Outlet		diesel	25000.000000000000000	Licenced	Current	GW Study 2004	4244	JOCKVALE	RD	<Null>	22/04/01 Point Reviewed, further update not possible.	364720.651909860025626	5013922.362019658951329		3							<Null>	Private	767.000000000000000	L	NEPEAN	<Null>	
7759	REGIONAL MUNICIPALITY OF OTTAWA CARLETON	Private Fuel Outlet		gasoline	10000.000000000000000	Licenced	Current	GW Study 2004	4244	JOCKVALE	RD	<Null>	22/04/01 Point Reviewed, further update not possible.	364720.651909860025626	5013922.362019658951329		3							<Null>	Private	765.000000000000000	L	NEPEAN	<Null>	
7760	REGIONAL MUNICIPALITY OF OTTAWA CARLETON	Private Fuel Outlet		gasoline	10000.000000000000000	Licenced	Current	GW Study 2004	4244	JOCKVALE	RD	<Null>	22/04/01 Point Reviewed, further update not possible.	364720.651909860025626	5013922.362019658951329		3							<Null>	Private	766.000000000000000	L	NEPEAN	<Null>	

HLUI SUMMARY REPORT  
LINEAR FEATURES

OBJECTID	SOURCE	FEATURE	YEAR	COMMENT	NAME	Shape_Length
----------	--------	---------	------	---------	------	--------------

No HLUI linear features within 250 m of the subject property.



# DATABASE REPORT

<b>Project Property:</b>	<i>Phase I ESA 320 Bren-Maur Road West and 2402 Longfields Drive Ottawa ON K2J 3Z7</i>
<b>Project No:</b>	<i>P.O # 63681</i>
<b>Report Type:</b>	<i>Standard Report</i>
<b>Order No:</b>	<i>25072800606</i>
<b>Requested by:</b>	<i>Paterson Group Inc.</i>
<b>Date Completed:</b>	<i>July 29, 2025</i>

**Environmental Risk Information Services**

*A division of Glacier Media Inc.*

1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)

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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:** *Phase I ESA  
320 Bren-Maur Road West and 2402 Longfields Drive Ottawa ON K2J 3Z7*

**Project No:** *P.O # 63681*

## **Coordinates:**

**Latitude:** *45.2626403*  
**Longitude:** *-75.7335929*  
**UTM Northing:** *5,012,388.81*  
**UTM Easting:** *442,446.43*  
**UTM Zone:** *18T*

**Elevation:** *297 FT  
90.63 M*

## Order Information:

**Order No:** *25072800606*  
**Date Requested:** *July 28, 2025*  
**Requested by:** *Paterson Group Inc.*  
**Report Type:** *Standard Report*

## Historical/Products:



## Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking &amp; Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	6	6
CA	<i>Certificates of Approval</i>	Y	0	0	0
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Manufacturers and Distributors</i>	Y	0	0	0
CHM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
DTNK	<i>Delisted Fuel Tanks</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	1	1
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	1	1
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries &amp; Oceans Fuel Tanks</i>	Y	0	0	0
FRST	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	1	1
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0
IAFT	<i>Indian &amp; Northern Affairs Fuel Tanks</i>	Y	0	0	0

<b>Database</b>	<b>Name</b>	<b>Searched</b>	<b>Project Property</b>	<b>Within 0.25 km</b>	<b>Total</b>
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	0	0
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense &amp; Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense &amp; Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence &amp; Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBP	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPR2	<i>National Pollutant Release Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory - Historic</i>	Y	0	0	0
OGWE	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PFAS	<i>Ontario PFAS Spills</i>	Y	0	0	0
PFCH	<i>NPRI Reporters - PFAS Substances</i>	Y	0	0	0
PFHA	<i>Potential PFAS Handlers from NPRI</i>	Y	0	0	0
PINC	<i>Pipeline Incidents</i>	Y	0	0	0
PPHA	<i>Potential PFAS Handlers from EASR</i>	Y	0	0	0
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	1	1
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	0	2	2
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	0	8	8

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
<hr/>					
		<b>Total:</b>	0	20	20

# Executive Summary: Site Report Summary - Project Property

<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>
--------------------	-----------	--------------------------	----------------	---------------------	--------------------------	------------------------

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



## Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<a href="#">1</a>	WWIS		lot 12 con 2 ON <b>Well ID:</b> 1509673	SW/23.0	-0.31	<a href="#">16</a>
<a href="#">2</a>	BORE		ON	SW/54.1	-1.55	<a href="#">19</a>
<a href="#">3</a>	BORE		ON	SSW/72.5	-2.95	<a href="#">20</a>
<a href="#">4</a>	SPL	TANK TRUCK	AT RESIDENCE AT 3415 JOCKVALE ROAD TANK TRUCK (CARGO) NEPEAN CITY ON K2J 4K2	SSE/73.3	-10.61	<a href="#">21</a>
<a href="#">5</a>	BORE		ON	WSW/80.3	1.02	<a href="#">22</a>
<a href="#">6</a>	WWIS		lot 13 con 1 ON <b>Well ID:</b> 1509672	WSW/80.3	1.02	<a href="#">23</a>
<a href="#">7</a>	BORE		ON	S/92.0	-9.28	<a href="#">26</a>
<a href="#">8</a>	WWIS		lot 12 con 2 ON <b>Well ID:</b> 1505957	SE/94.1	-12.56	<a href="#">27</a>
<a href="#">9</a>	WWIS		2393 longfields dr Ottawa ON <b>Well ID:</b> 7365194	SW/99.8	-3.42	<a href="#">31</a>
<a href="#">10</a>	WWIS		GREENBANK lot 13 con 2 NEPEAN ON <b>Well ID:</b> 7278702	W/112.0	0.16	<a href="#">34</a>
<a href="#">11</a>	WWIS		2393 Longfields dr Ottawa ON <b>Well ID:</b> 7365193	WSW/131.6	-1.45	<a href="#">36</a>
<a href="#">12</a>	BORE		ON	E/168.3	-3.84	<a href="#">39</a>

<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>
<a href="#"><u>13</u></a>	ECA	Minto Communities Inc.	3311 Greenbank Rd 3380 Jockvale Road, 2393 Longfields Drive, 2451 Longfields Drive, 261 Bren-Maur Road Ottawa ON K1P 0B6	W/192.6	1.19	<a href="#"><u>40</u></a>
<a href="#"><u>13</u></a>	EHS		3380 Jockvale Road Nepean ON K2J 4J7	W/192.6	1.19	<a href="#"><u>41</u></a>
<a href="#"><u>13</u></a>	RSC	CITY OF OTTAWA	3380 Jockvale Road Ottawa ON	W/192.6	1.19	<a href="#"><u>41</u></a>
<a href="#"><u>14</u></a>	GEN	Malroz Engineering Inc.	2393 Longfields Drive Nepean ON K2J 4J1	WSW/201.3	0.28	<a href="#"><u>41</u></a>
<a href="#"><u>15</u></a>	WWIS		lot 13 con 2 ON <b>Well ID:</b> 7051025	NNE/234.4	-0.76	<a href="#"><u>43</u></a>
<a href="#"><u>16</u></a>	SPL		3420 Jockvale Road Ottawa ON	SSW/243.8	0.12	<a href="#"><u>44</u></a>
<a href="#"><u>17</u></a>	WWIS		lot 13 con 2 ON <b>Well ID:</b> 1505986	NE/246.8	-0.67	<a href="#"><u>45</u></a>
<a href="#"><u>18</u></a>	BORE		ON	NE/246.8	-0.67	<a href="#"><u>47</u></a>

# Executive Summary: Summary By Data Source

## **BORE - Borehole**

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

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	ON	WSW	80.29	<a href="#"><u>5</u></a>

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	ON	SW	54.12	<a href="#"><u>2</u></a>
	ON	SSW	72.49	<a href="#"><u>3</u></a>
	ON	S	92.02	<a href="#"><u>7</u></a>
	ON	E	168.33	<a href="#"><u>12</u></a>
	ON	NE	246.82	<a href="#"><u>18</u></a>

## **ECA - Environmental Compliance Approval**

A search of the ECA database, dated Oct 2011 - Jun 30, 2025 has found that there are 1 ECA site(s) within approximately 0.25 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Minto Communities Inc.	3311 Greenbank Rd 3380 Jockvale Road, 2393 Longfields Drive, 2451 Longfields Drive, 261 Bren-Maur Road Ottawa ON K1P 0B6	W	192.59	<a href="#"><u>13</u></a>

## **EHS - ERIS Historical Searches**

A search of the EHS database, dated 1999-Aug 31, 2024 has found that there are 1 EHS site(s) within approximately 0.25 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	3380 Jockvale Road Nepean ON K2J 4J7	W	192.59	<a href="#"><u>13</u></a>

## **GEN - Ontario Regulation 347 Waste Generators Summary**

A search of the GEN database, dated 1986-Dec 31, 2024 has found that there are 1 GEN site(s) within approximately 0.25 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
Malroz Engineering Inc.	2393 Longfields Drive Nepean ON K2J 4J1	WSW	201.32	<a href="#"><u>14</u></a>

## **RSC - Record of Site Condition**

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-May 2025 has found that there are 1 RSC site(s) within approximately 0.25 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
CITY OF OTTAWA	3380 Jockvale Road Ottawa ON	W	192.59	<a href="#"><u>13</u></a>

## **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.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	3420 Jockvale Road Ottawa ON	SSW	243.82	<a href="#"><u>16</u></a>

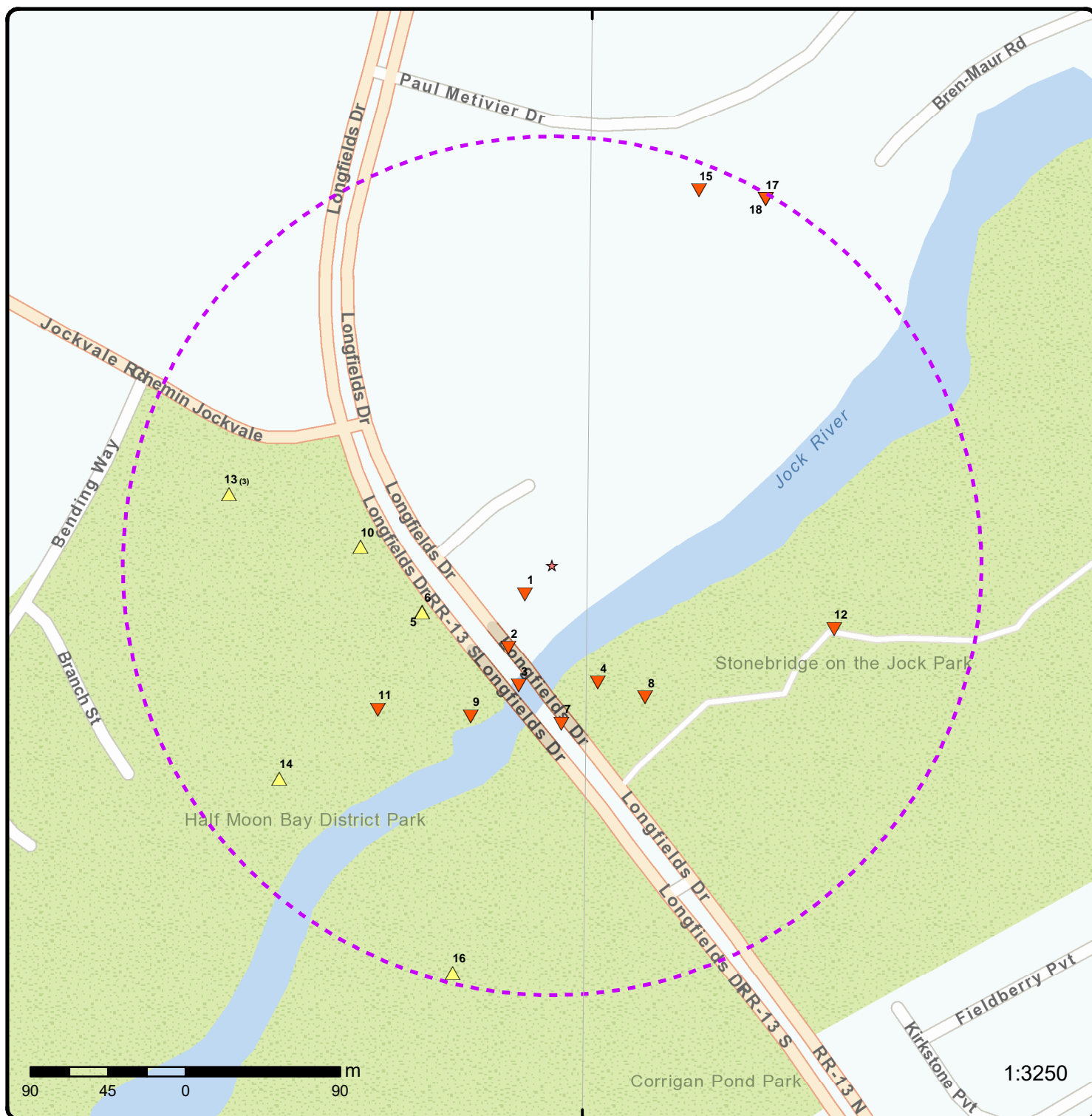
<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
TANK TRUCK	AT RESIDENCE AT 3415 JOCKVALE ROAD TANK TRUCK (CARGO) NEPEAN CITY ON K2J 4K2	SSE	73.30	<a href="#"><u>4</u></a>



## **WWIS - Water Well Information System**

A search of the WWIS database, dated Dec 31 2023 has found that there are 8 WWIS site(s) within approximately 0.25 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	lot 13 con 1 ON  <i>Well ID: 1509672</i>	WSW	80.33	<a href="#"><u>6</u></a>
	GREENBANK lot 13 con 2 NEPEAN ON  <i>Well ID: 7278702</i>	W	111.99	<a href="#"><u>10</u></a>
<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	lot 12 con 2 ON  <i>Well ID: 1509673</i>	SW	23.02	<a href="#"><u>1</u></a>
	lot 12 con 2 ON  <i>Well ID: 1505957</i>	SE	94.05	<a href="#"><u>8</u></a>
	2393 longfields dr Ottawa ON  <i>Well ID: 7365194</i>	SW	99.80	<a href="#"><u>9</u></a>
	2393 Longfields dr Ottawa ON  <i>Well ID: 7365193</i>	WSW	131.57	<a href="#"><u>11</u></a>
	lot 13 con 2 ON  <i>Well ID: 7051025</i>	NNE	234.37	<a href="#"><u>15</u></a>
	lot 13 con 2 ON  <i>Well ID: 1505986</i>	NE	246.77	<a href="#"><u>17</u></a>



## Map: 0.25 Kilometer Radius

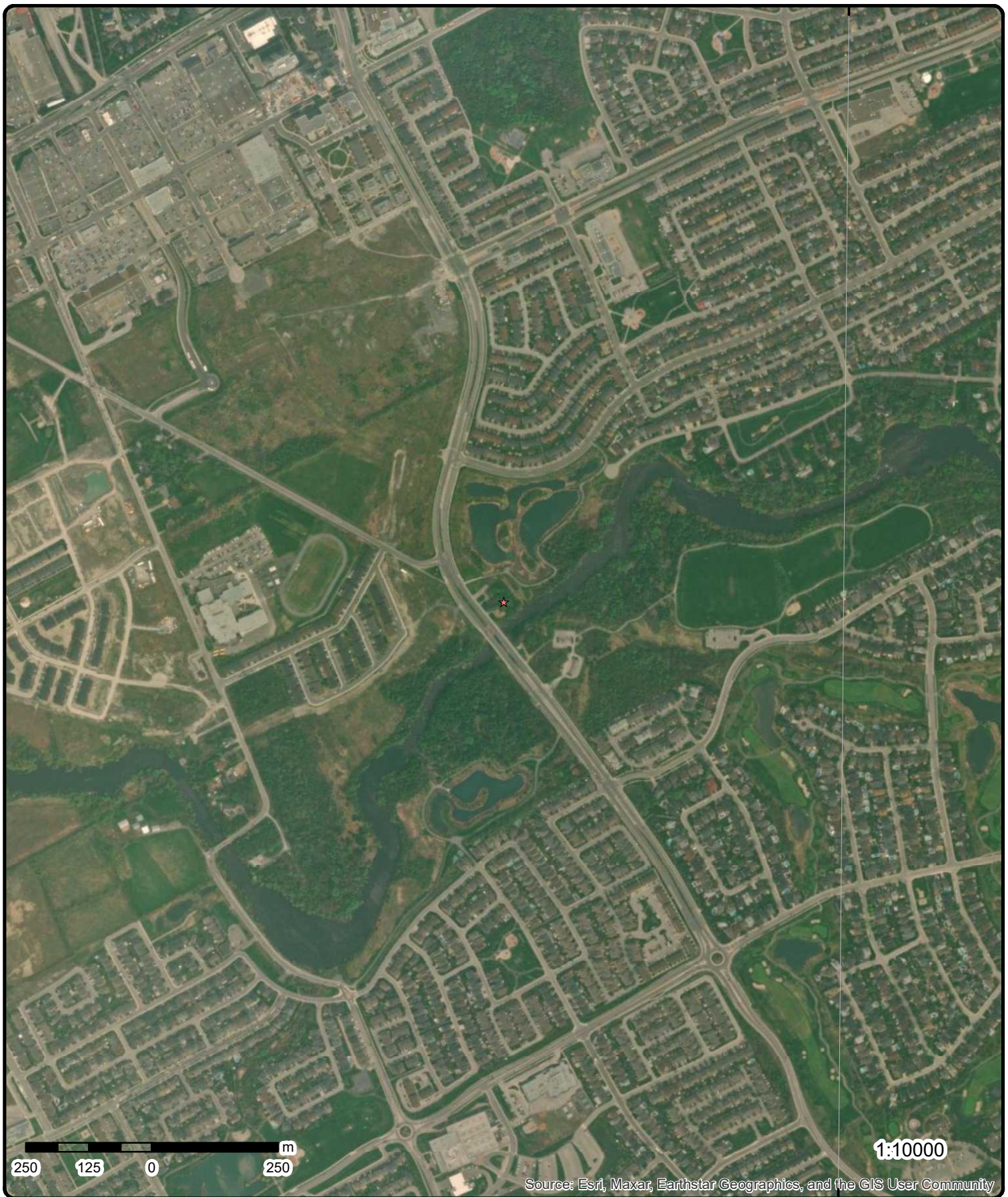
Order Number: 25072800606

Address: 320 Bren-Maur Road West and 2402 Longfields Drive, Ottawa, 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	Park (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	





Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

**Aerial** Year: 2023

Order Number: 25072800606

**Address: 320 Bren-Maur Road West and 2402 Longfields Drive, Ottawa, ON**

Source: ESRI World Imagery

© ERIS Information Limited Partnership



75°45'W

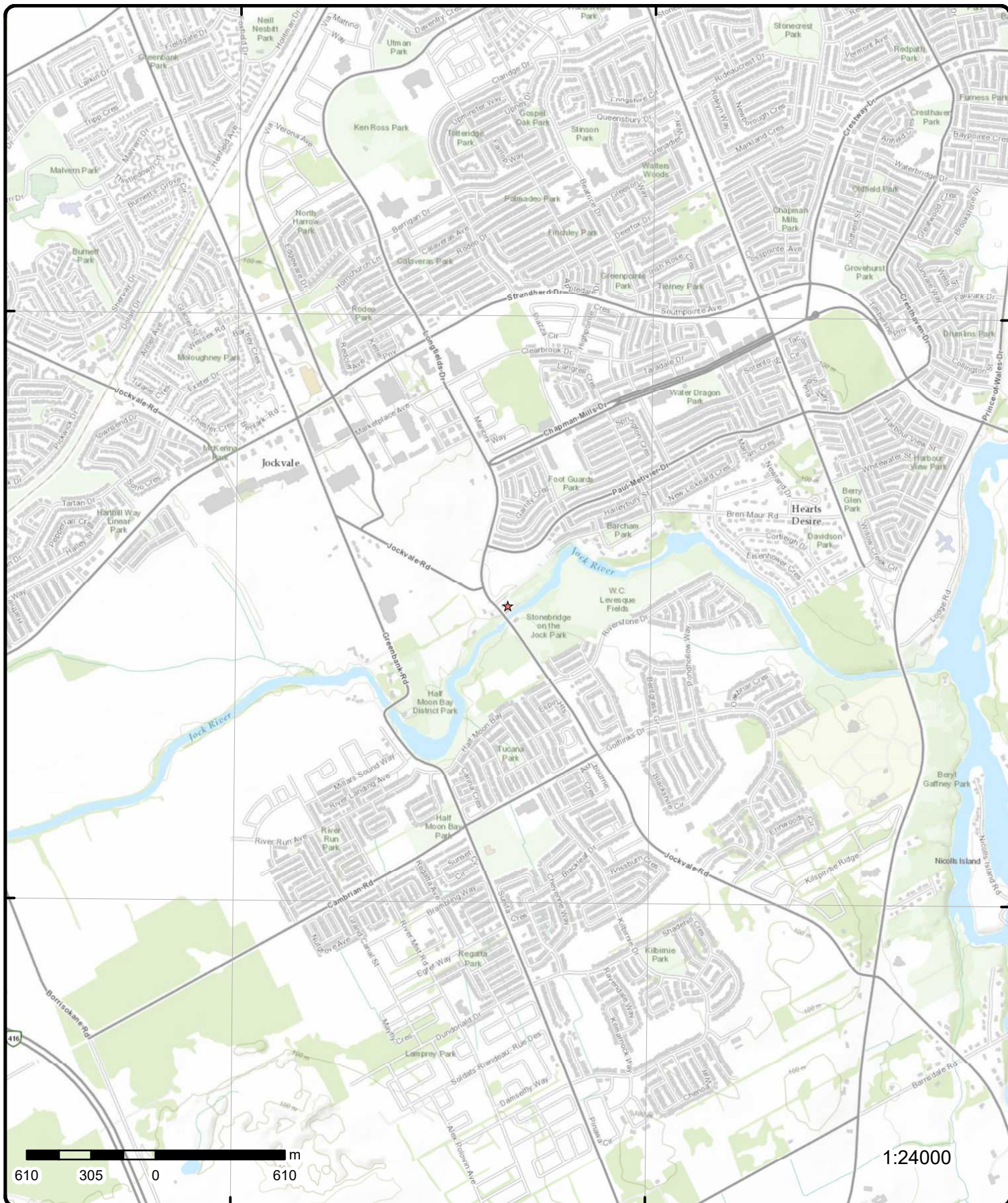
75°43'30"W

45°16'30"N

45°16'30"N

45°15'N

45°15'N



# Topographic Map

Order Number: 25072800606

Address: 320 Bren-Maur Road West and 2402 Longfields Drive, ON



Source: ESRI World Topographic Map

© ERIS Information Limited Partnership



# Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">1</a>	1 of 1	SW/23.0	90.3 / -0.31	lot 12 con 2 ON	WWIS
<div><div><div><div><div>Well ID:</div><div>1509673</div></div><div><div>Construction Date:</div><div></div></div><div><div>Use 1st:</div><div>Domestic</div></div><div><div>Use 2nd:</div><div>0</div></div><div><div>Final Well Status:</div><div>Water Supply</div></div><div><div>Water Type:</div><div></div></div><div><div>Casing Material:</div><div></div></div><div><div>Audit No:</div><div></div></div><div><div>Tag:</div><div></div></div><div><div>Constructn Method:</div><div></div></div><div><div>Elevation (m):</div><div></div></div><div><div>Elevatn Reliabilty:</div><div></div></div><div><div>Depth to Bedrock:</div><div></div></div><div><div>Well Depth:</div><div></div></div><div><div>Overburden/Bedrock:</div><div></div></div><div><div>Pump Rate:</div><div></div></div><div><div>Static Water Level:</div><div></div></div><div><div>Clear/Cloudy:</div><div></div></div><div><div>Municipality:</div><div>NEPEAN TOWNSHIP</div></div><div><div>Site Info:</div><div></div></div></div><div><div><div>Flowing (Y/N):</div><div></div></div><div><div>Flow Rate:</div><div></div></div><div><div>Data Entry Status:</div><div></div></div><div><div>Data Src:</div><div>1</div></div><div><div>Date Received:</div><div>05/08/1968</div></div><div><div>Selected Flag:</div><div>TRUE</div></div><div><div>Abandonment Rec:</div><div></div></div><div><div>Contractor:</div><div>1503</div></div><div><div>Form Version:</div><div>1</div></div><div><div>Owner:</div><div></div></div><div><div>County:</div><div>OTTAWA-CARLETON</div></div><div><div>Lot:</div><div>012</div></div><div><div>Concession:</div><div>02</div></div><div><div>Concession Name:</div><div>RF</div></div><div><div>Easting NAD83:</div><div></div></div><div><div>Northing NAD83:</div><div></div></div><div><div>Zone:</div><div></div></div><div><div>UTM Reliability:</div><div></div></div></div></div></div>					
PDF URL (Map):		<a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509673.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509673.pdf</a>			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		04/18/1968			
Year Completed:		1968			
Depth (m):		32.3088			
Latitude:		45.2624876899503			
Longitude:		-75.7337913846631			
X:		-75.73379122374418			
Y:		45.26248768333292			
Path:		150\1509673.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		10031705		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				18	
Code OB Desc:				East83:	
Open Hole:				442430.70	
Cluster Kind:				North83:	
Date Completed:		04/18/1968		5012372.00	
Remarks:				Org CS:	
Location Method Desc:		Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m		UTMRC:	
Elevrc Desc:				4	
Location Source Date:				UTMRC Desc:	
Improvement Location Source:				margin of error : 30 m - 100 m	
Improvement Location Method:				Location Method:	
Source Revision Comment:				p4	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Supplier Comment:</b>					
<u><b>Overburden and Bedrock Materials Interval</b></u>					
Formation ID:		931012754			
Layer:		4			
Color:					
General Color:					
Material 1:		09			
Material 1 Desc:		MEDIUM SAND			
Material 2:		11			
Material 2 Desc:		GRAVEL			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		26.0			
Formation End Depth:		39.0			
Formation End Depth UOM:		ft			
<u><b>Overburden and Bedrock Materials Interval</b></u>					
Formation ID:		931012751			
Layer:		1			
Color:					
General Color:					
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		7.0			
Formation End Depth UOM:		ft			
<u><b>Overburden and Bedrock Materials Interval</b></u>					
Formation ID:		931012753			
Layer:		3			
Color:					
General Color:					
Material 1:		09			
Material 1 Desc:		MEDIUM SAND			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		12.0			
Formation End Depth:		26.0			
Formation End Depth UOM:		ft			
<u><b>Overburden and Bedrock Materials Interval</b></u>					
Formation ID:		931012755			
Layer:		5			
Color:					
General Color:					
Material 1:		15			
Material 1 Desc:		LIMESTONE			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Material 2:</b>					
<b>Material 2 Desc:</b>					
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>		39.0			
<b>Formation End Depth:</b>		106.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931012752			
<b>Layer:</b>		2			
<b>Color:</b>					
<b>General Color:</b>					
<b>Material 1:</b>		05			
<b>Material 1 Desc:</b>		CLAY			
<b>Material 2:</b>		13			
<b>Material 2 Desc:</b>		BOULDERS			
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>		7.0			
<b>Formation End Depth:</b>		12.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>		961509673			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10580275			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930056047			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		44.0			
<b>Casing Diameter:</b>		5.0			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930056048			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		106.0			
<b>Casing Diameter:</b>		5.0			
<b>Casing Diameter UOM:</b>		inch			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Depth UOM:		ft			
<b><u>Results of Well Yield Testing</u></b>					
Pumping Test Method Desc:	PUMP				
Pump Test ID:	991509673				
Pump Set At:					
Static Level:	8.0				
Final Level After Pumping:	42.0				
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:	48				
Pumping Duration MIN:	0				
Flowing:	No				
<b><u>Water Details</u></b>					
Water ID:	933464563				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	105.0				
Water Found Depth UOM:	ft				
<b><u>2</u></b>	<b>1 of 1</b>	<b>SW/54.1</b>	<b>89.1 / -1.55</b>	<b>ON</b>	<b>BORE</b>
Borehole ID:	847967			Inclin FLG:	No
OGF ID:	215589624			SP Status:	Initial Entry
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	10-MAR-1961			Municipality:	
Static Water Level:				Lot:	LOT 12
Primary Water Use:				Township:	NEPEAN
Sec. Water Use:				Latitude DD:	45.262208
Total Depth m:	11.1			Longitude DD:	-75.733911
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	442421
Drill Method:	Diamond Drill			Northing:	5012341
Orig Ground Elev m:	28.5			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	90.6				
Concession:	CON 2				
Location D:					
Survey D:					
Comments:					
<b><u>Borehole Geology Stratum</u></b>					
Geology Stratum ID:	6559424			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.6			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Fill			Geologic Formation:	



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	Gravel			Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	6559426 4 11.1 Grey Till Sand Stones Boulders			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Dense      glacial
		GRAVEL FILL **Note: Many records provided by the department have a truncated [Stratum Description] field.			
		DENSE TO VERY DENSE, SANDY TO STONY, GREY GLACIAL TILL WITH BOULDERS. BEDROCK - GOOD QUALITY LIMESTONE.			
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	6559425 .6 4 Brown Till Weathered Stones Boulders			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Dense      glacial
		DENSE, WEATHERED. BROWN, STONY GLACIAL TILL WITH BOULDERS **Note: Many records provided by the department have a truncated [Stratum Description] field.			
<u>3</u>	1 of 1	SSW/72.5	87.7 / -2.95	ON	BORE
Borehole ID: OGF ID: Status: Type: Use: Completion Date: Static Water Level: Primary Water Use: Sec. Water Use: Total Depth m: Depth Ref: Depth Elev: Drill Method: Orig Ground Elev m: Elev Reliabil Note: DEM Ground Elev m: Concession: Location D: Survey D: Comments:	847965 215589622 Decommissioned Borehole Geotechnical/Geological Investigation 07-MAR-1961    6.4 Ground Surface  Diamond Drill 24.4  87.5    CON 2			Inclin FLG: SP Status: Surv Elev: Piezometer: Primary Name: Municipality: Lot: Township: Latitude DD: Longitude DD: UTM Zone: Easting: Northing: Location Accuracy: Accuracy:	No Initial Entry No No   LOT 12 NEPEAN 45.26201 -75.733832 18 442427 5012319  Within 10 metres
<u>Borehole Geology Stratum</u>					
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4:	6559418 3.4 6.4 Grey Till Sand Stones			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Very Dense      glacial

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>		VERY DENSE, SANDY TO STONY, GREY, GLACIAL TILL.			
<b>Geology Stratum ID:</b>	6559416			<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	.9			<b>Material Texture:</b>	
<b>Material Color:</b>	Brown			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Till			<b>Geologic Formation:</b>	
<b>Material 2:</b>	Weathered			<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	glacial
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>		WEATHERED, BROWN, GALCIAL TILL (GRAVEL-LIKE).			
<b>Geology Stratum ID:</b>	6559417			<b>Mat Consistency:</b>	Dense
<b>Top Depth:</b>	.9			<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	3.4			<b>Material Texture:</b>	Medium
<b>Material Color:</b>	Grey			<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Till			<b>Geologic Formation:</b>	
<b>Material 2:</b>	Sand			<b>Geologic Group:</b>	
<b>Material 3:</b>				<b>Geologic Period:</b>	
<b>Material 4:</b>				<b>Depositional Gen:</b>	glacial
<b>Gsc Material Description:</b>					
<b>Stratum Description:</b>		MEDIUM DENSE, GREY, SANDY, GLACIAL TILL.			
<u>4</u>	1 of 1	SSE/73.3	80.0 / -10.61	TANK TRUCK AT RESIDENCE AT 3415 JOCKVALE ROAD TANK TRUCK (CARGO) NEPEAN CITY ON K2J 4K2	SPL
<b>Ref No:</b>	152389			<b>Municipality No:</b>	20104
<b>Year:</b>				<b>Nature of Damage:</b>	
<b>Incident Dt:</b>	2/12/1998			<b>Discharger Report:</b>	
<b>Dt MOE Arvl on Scn:</b>				<b>Material Group:</b>	
<b>MOE Reported Dt:</b>	2/13/1998			<b>Impact to Health:</b>	
<b>Dt Document Closed:</b>				<b>Agency Involved:</b>	TSSA
<b>Site No:</b>					
<b>MOE Response:</b>					
<b>Site County/District:</b>					
<b>Site Geo Ref Meth:</b>					
<b>Site District Office:</b>					
<b>Nearest Watercourse:</b>					
<b>Site Name:</b>					
<b>Site Address:</b>					
<b>Site Region:</b>					
<b>Site Municipality:</b>		NEPEAN CITY			
<b>Site Lot:</b>					
<b>Site Conc:</b>					
<b>Site Geo Ref Accu:</b>					
<b>Site Map Datum:</b>					
<b>Nothing:</b>					
<b>Easting:</b>					
<b>Entity Operating Name:</b>					
<b>Client Name:</b>					
<b>Client Type:</b>					
<b>Source Type:</b>					
<b>Incident Cause:</b>		PIPE/HOSE LEAK			
<b>Incident Preceding Spill:</b>					
<b>Incident Reason:</b>		ERROR			
<b>Incident Summary:</b>		JOHNSTON BAKER FUELS:12 LOF FURNACE OIL TO GROUND FROM TANK, CLEANED UP.			
<b>Environment Impact:</b>		NOT ANTICIPATED			
<b>Health Env Consequence:</b>					
<b>Nature of Impact:</b>		Other			
<b>Contaminant Qty:</b>					
<b>Contaminant Qty 1:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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>5</u>	1 of 1	WSW/80.3	91.7 / 1.02	ON	BORE
Borehole ID: 612023 OGF ID: 215513333 Status: Type: Borehole Use: Completion Date: APR-1968 Static Water Level: Primary Water Use: Sec. Water Use: Total Depth m: 28.7 Depth Ref: Ground Surface Depth Elev: Drill Method: Orig Ground Elev m: 89 Elev Reliabil Note: DEM Ground Elev m: 92.5 Concession: Location D: Survey D: Comments:					
Incln FLG: No SP Status: Initial Entry Surv Elev: No Piezometer: No Primary Name: Municipality: Lot: Township: Latitude DD: 45.262394 Longitude DD: -75.734555 UTM Zone: 18 Easting: 442371 Northing: 5012362 Location Accuracy: Accuracy: Not Applicable					
<b><u>Borehole Geology Stratum</u></b>					
Geology Stratum ID: 218389837 Top Depth: 11.9 Bottom Depth: 28.7 Material Color: Material 1: Limestone Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description: LIMESTONE. 00092LIMESTONE. NE. 00080CK. SEISMIC VELOCITY = 14500. BEDROCK. SE **Note: Many records provided by the department have a truncated [Stratum Description] field.					
Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:					
Geology Stratum ID: 218389836 Top Depth: 7.9 Bottom Depth: 11.9 Material Color: Material 1: Gravel Material 2: Sand Material 3: Material 4: Gsc Material Description:					
Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Stratum Description:		GRAVEL,SAND.			
Geology Stratum ID:	218389835			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	7.9			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Boulders			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	CLAY,BOULDERS.				
Source					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Iden:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:				Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: OTTAWA1.txt RecordID: 04531 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				
<a href="#">6</a>	1 of 1	WSW/80.3	91.7 / 1.02	lot 13 con 1 ON	<a href="#">WWIS</a>
Well ID:	1509672			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Livestock			Data Entry Status:	
Use 2nd:	Domestic			Data Src:	1
Final Well Status:	Water Supply			Date Received:	05/08/1968
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	1503
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	013
Depth to Bedrock:				Concession:	01
Well Depth:				Concession Name:	RF
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509672.pdf				
Additional Detail(s) (Map)					
Well Completed Date:	04/22/1968				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Year Completed:		1968			
Depth (m):		28.6512			
Latitude:		45.2623927664159			
Longitude:		-75.73455493448			
X:		-75.73455477262635			
Y:		45.262392759165266			
Path:		150\1509672.pdf			
 <b><u>Bore Hole Information</u></b>					
Bore Hole ID:	10031704			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	442370.70
Code OB Desc:				North83:	5012362.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:	04/22/1968			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	p4
Location Method Desc:		Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
 <b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
Formation ID:	931012748				
Layer:	1				
Color:					
General Color:					
Material 1:	05				
Material 1 Desc:	CLAY				
Material 2:	13				
Material 2 Desc:	BOULDERS				
Material 3:					
Material 3 Desc:					
Formation Top Depth:	0.0				
Formation End Depth:	26.0				
Formation End Depth UOM:	ft				
 <b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
Formation ID:	931012750				
Layer:	3				
Color:					
General Color:					
Material 1:	15				
Material 1 Desc:	LIMESTONE				
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:	39.0				
Formation End Depth:	94.0				
Formation End Depth UOM:	ft				
 <b><u>Overburden and Bedrock</u></b>					



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		931012749			
<b>Layer:</b>		2			
<b>Color:</b>					
<b>General Color:</b>					
<b>Material 1:</b>		11			
<b>Material 1 Desc:</b>		GRAVEL			
<b>Material 2:</b>		09			
<b>Material 2 Desc:</b>		MEDIUM SAND			
<b>Material 3:</b>					
<b>Material 3 Desc:</b>					
<b>Formation Top Depth:</b>		26.0			
<b>Formation End Depth:</b>		39.0			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961509672			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10580274			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930056046			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		94.0			
<b>Casing Diameter:</b>		5.0			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930056045			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		41.0			
<b>Casing Diameter:</b>		5.0			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pumping Test Method Desc:</b>		PUMP			
<b>Pump Test ID:</b>		991509672			
<b>Pump Set At:</b>					
<b>Static Level:</b>		8.0			
<b>Final Level After Pumping:</b>		15.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Recommended Pump Depth:</b> 60.0 <b>Pumping Rate:</b> 10.0 <b>Flowing Rate:</b> <b>Recommended Pump Rate:</b> 5.0 <b>Levels UOM:</b> ft <b>Rate UOM:</b> GPM <b>Water State After Test Code:</b> 2 <b>Water State After Test:</b> CLOUDY <b>Pumping Test Method:</b> 1 <b>Pumping Duration HR:</b> 1 <b>Pumping Duration MIN:</b> 0 <b>Flowing:</b> No					
<b>Water Details</b>					
<b>Water ID:</b> 933464562 <b>Layer:</b> 1 <b>Kind Code:</b> 1 <b>Kind:</b> FRESH <b>Water Found Depth:</b> 92.0 <b>Water Found Depth UOM:</b> ft					
<u>7</u>	1 of 1	S/92.0	81.4 / -9.28	ON	BORE
<b>Borehole ID:</b> 847966 <b>OGF ID:</b> 215589623 <b>Status:</b> Decommissioned <b>Type:</b> Borehole <b>Use:</b> Geotechnical/Geological Investigation <b>Completion Date:</b> 09-MAR-1961 <b>Static Water Level:</b> <b>Primary Water Use:</b> <b>Sec. Water Use:</b> <b>Total Depth m:</b> 12.2 <b>Depth Ref:</b> Ground Surface <b>Depth Elev:</b> <b>Drill Method:</b> Diamond Drill <b>Orig Ground Elev m:</b> 28.4 <b>Elev Reliabil Note:</b> <b>DEM Ground Elev m:</b> 89.8 <b>Concession:</b> CON 2 <b>Location D:</b> <b>Survey D:</b> <b>Comments:</b>					
<b>Inclin FLG:</b> No <b>SP Status:</b> Initial Entry <b>Surv Elev:</b> No <b>Piezometer:</b> No <b>Primary Name:</b> <b>Municipality:</b> <b>Lot:</b> LOT 12 <b>Township:</b> NEPEAN <b>Latitude DD:</b> 45.261814 <b>Longitude DD:</b> -75.733511 <b>UTM Zone:</b> 18 <b>Easting:</b> 442452 <b>Northing:</b> 5012297 <b>Location Accuracy:</b> <b>Accuracy:</b> Within 10 metres					
<b>Borehole Geology Stratum</b>					
<b>Geology Stratum ID:</b> 6559423 <b>Top Depth:</b> 10.7 <b>Bottom Depth:</b> 12.2 <b>Material Color:</b> <b>Material 1:</b> Bedrock <b>Material 2:</b> Limestone <b>Material 3:</b> Shale <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b> BEDROCK - GOOD QUALITY LIMESTONE WITH A 5in. SHALE BAND.					
<b>Mat Consistency:</b> <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>					
<b>Geology Stratum ID:</b> 6559422 <b>Top Depth:</b> 5.8 <b>Bottom Depth:</b> 10.7 <b>Material Color:</b> Grey					
<b>Mat Consistency:</b> Very Dense <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 1:	Till			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Stones			Geologic Period:	
Material 4:	Boulders			Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	VERY DENSE, SANDY TO STONY, GREY GLACIAL TILL WITH BOULDERS **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6559419			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.2			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Topsoil			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SANDY TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6559420			Mat Consistency:	Dense
Top Depth:	.2			Material Moisture:	
Bottom Depth:	4			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Weathered			Geologic Group:	
Material 3:	Stones			Geologic Period:	
Material 4:	Boulders			Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	DENSE, WEATHERED, BROWN, STONY, GLACIAL TILL WITH BOULDERS.				
Geology Stratum ID:	6559421			Mat Consistency:	Very Dense
Top Depth:	4			Material Moisture:	
Bottom Depth:	5.8			Material Texture:	Medium
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Stones			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	glacial
Gsc Material Description:					
Stratum Description:	VERY DENSE TO MEDIUM DENSE, STONY, GREY GLACIAL TILL.				
<u>8</u>	1 of 1	SE/94.1	78.1 / -12.56	lot 12 con 2 ON	WWIS
Well ID:	1505957			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:	01/09/1963
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	1301
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliability:				Lot:	012
Depth to Bedrock:				Concession:	02
Well Depth:				Concession Name:	RF
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP				
Site Info:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1505957.pdf			
Additional Detail(s) (Map)					
Well Completed Date:	01/07/1963				
Year Completed:	1963				
Depth (m):	77.4192				
Latitude:	45.2619533721471				
Longitude:	-75.7328922734158				
X:	-75.73289211199702				
Y:	45.26195336524438				
Path:	150\1505957.pdf				
Bore Hole Information					
Bore Hole ID:	10028000	Elevation:			
DP2BR:		Elevrc:			
Spatial Status:		Zone:		18	
Code OB:		East83:		442500.70	
Code OB Desc:		North83:		5012312.00	
Open Hole:		Org CS:			
Cluster Kind:		UTMRC:		5	
Date Completed:	01/07/1963	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:	931003408				
Layer:	1				
Color:					
General Color:					
Material 1:	05				
Material 1 Desc:	CLAY				
Material 2:	13				
Material 2 Desc:	BOULDERS				
Material 3:					
Material 3 Desc:					
Formation Top Depth:	0.0				
Formation End Depth:	32.0				
Formation End Depth UOM:	ft				
Overburden and Bedrock					
Materials Interval					
Formation ID:	931003410				
Layer:	3				
Color:	2				
General Color:	GREY				
Material 1:	15				
Material 1 Desc:	LIMESTONE				
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:		42.0			
Formation End Depth:		237.0			
Formation End Depth UOM:		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
Formation ID:		931003411			
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:		237.0			
Formation End Depth:		242.0			
Formation End Depth UOM:		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
Formation ID:		931003412			
Layer:		5			
Color:		2			
General Color:		GREY			
Material 1:		21			
Material 1 Desc:		GRANITE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		242.0			
Formation End Depth:		254.0			
Formation End Depth UOM:		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
Formation ID:		931003409			
Layer:		2			
Color:					
General Color:					
Material 1:		11			
Material 1 Desc:		GRAVEL			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		32.0			
Formation End Depth:		42.0			
Formation End Depth UOM:		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
Method Construction ID:		961505957			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Pipe Information</u></b>					
Pipe ID:		10576570			
Casing No:		1			
Comment:					
Alt Name:					
<b><u>Construction Record - Casing</u></b>					
Casing ID:		930048756			
Layer:		2			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		196.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<b><u>Construction Record - Casing</u></b>					
Casing ID:		930048755			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		48.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<b><u>Results of Well Yield Testing</u></b>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991505957			
Pump Set At:					
Static Level:		10.0			
Final Level After Pumping:		120.0			
Recommended Pump Depth:		120.0			
Pumping Rate:		5.0			
Flowing Rate:					
Recommended Pump Rate:		5.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		No			
<b><u>Water Details</u></b>					
Water ID:		933459996			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		254.0			
Water Found Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">9</a>	1 of 1	SW/99.8	87.2 / -3.42	2393 longfields dr Ottawa ON	WWIS
<div> <div> Well ID: 7365194  Construction Date:  Use 1st: Monitoring and Test Hole  Use 2nd:  Final Well Status: Monitoring and Test Hole  Water Type:  Casing Material:  Audit No: Z333483  Tag: A296207  Constructn Method:  Elevation (m):  Elevatn Reliabilty:  Depth to Bedrock:  Well Depth:  Overburden/Bedrock:  Pump Rate:  Static Water Level:  Clear/Cloudy:  Municipality: NEPEAN TOWNSHIP  Site Info: </div> <div> Flowing (Y/N):  Flow Rate:  Data Entry Status:  Data Src:  Date Received: 08/14/2020  Selected Flag: TRUE  Abandonment Rec:  Contractor: 7241  Form Version: 7  Owner:  County: OTTAWA-CARLETON  Lot:  Concession:  Concession Name:  Easting NAD83:  Northing NAD83:  Zone:  UTM Reliability: </div> </div>					
<b><u>Additional Detail(s) (Map)</u></b>					
<div> <div> Bore Hole ID: 1008444246  Depth M: 6.1  Year Completed: 2020  Well Completed Dt: 06/22/2020  Audit No: Z333483  Path: </div> <div> Tag No: A296207  Contractor: 7241  Latitude: 45.2618460385889  Longitude: -75.7341871696483  Y: 45.26184603204871  X: -75.73418700880504 </div> </div>					
<b><u>Bore Hole Information</u></b>					
<div> <div> Bore Hole ID: 1008444246  DP2BR:  Spatial Status:  Code OB:  Code OB Desc:  Open Hole:  Cluster Kind:  Date Completed: 06/22/2020  Remarks:  Location Method Desc: on Water Well Record  Elevrc Desc:  Location Source Date:  Improvement Location Source:  Improvement Location Method:  Source Revision Comment:  Supplier Comment: </div> <div> Elevation:  Elevrc:  Zone: 18  East83: 442399.00  North83: 5012301.00  Org CS: UTM83  UTMRC: 4  UTMRC Desc: margin of error : 30 m - 100 m  Location Method: wwr </div> </div>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<div> Formation ID: 1008744522  Layer: 2  Color: 6  General Color: BROWN  Material 1: 05  Material 1 Desc: CLAY  Material 2: 06  Material 2 Desc: SILT </div>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Material 3:</b>		85			
<b>Material 3 Desc:</b>		SOFT			
<b>Formation Top Depth:</b>		0.3100000023841858			
<b>Formation End Depth:</b>		2.130000114440918			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1008744523			
<b>Layer:</b>		3			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Material 1:</b>		06			
<b>Material 1 Desc:</b>		SILT			
<b>Material 2:</b>		28			
<b>Material 2 Desc:</b>		SAND			
<b>Material 3:</b>		85			
<b>Material 3 Desc:</b>		SOFT			
<b>Formation Top Depth:</b>		2.130000114440918			
<b>Formation End Depth:</b>		6.099999904632568			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1008744521			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Material 1:</b>		02			
<b>Material 1 Desc:</b>		TOPSOIL			
<b>Material 2:</b>					
<b>Material 2 Desc:</b>					
<b>Material 3:</b>		77			
<b>Material 3 Desc:</b>		LOOSE			
<b>Formation Top Depth:</b>		0.0			
<b>Formation End Depth:</b>		0.3100000023841858			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1008744628			
<b>Layer:</b>		3			
<b>Plug From:</b>		2.740000009536743			
<b>Plug To:</b>		6.099999904632568			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1008744627			
<b>Layer:</b>		2			
<b>Plug From:</b>		0.3100000023841858			
<b>Plug To:</b>		2.740000009536743			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1008744626			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		0.3100000023841858			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1008744690			
<b>Method Construction Code:</b>		5			
<b>Method Construction:</b>		Air Percussion			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1008744447			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1008744718			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		3.0999999046325684			
<b>Casing Diameter:</b>		5.199999809265137			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1008744744			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		3.0999999046325684			
<b>Screen End Depth:</b>		6.099999904632568			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			
<b>Screen Diameter:</b>		6.03000020980835			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pumping Test Method Desc:</b>					
<b>Pump Test ID:</b>		1008744790			
<b>Pump Set At:</b>					
<b>Static Level:</b>					
<b>Final Level After Pumping:</b>					
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>					
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		m			
<b>Rate UOM:</b>		LPM			
<b>Water State After Test Code:</b>					
<b>Water State After Test:</b>					
<b>Pumping Test Method:</b>		0			
<b>Pumping Duration HR:</b>					
<b>Pumping Duration MIN:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Flowing:					
Hole Diameter					
Hole ID:		1008744664			
Diameter:		11.430000305175781			
Depth From:		0.0			
Depth To:		6.099999904632568			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
10	1 of 1	W/112.0	90.8 / 0.16	GREENBANK lot 13 con 2 NEPEAN ON	WWIS
Well ID:	7278702			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Not Used			Data Entry Status:	
Use 2nd:	Monitoring			Data Src:	
Final Well Status:	Abandoned-Other			Date Received:	01/10/2017
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	Yes
Audit No:	Z220196			Contractor:	4875
Tag:				Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliability:				Lot:	013
Depth to Bedrock:				Concession:	02
Well Depth:				Concession Name:	RF
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/727\7278702.pdf				
Additional Detail(s) (Map)					
Well Completed Date:	12/10/2012				
Year Completed:	2012				
Depth (m):					
Latitude:	45.2627318683235				
Longitude:	-75.73501435004				
X:	-75.7350141888483				
Y:	45.26273186107156				
Path:	727\7278702.pdf				
Bore Hole Information					
Bore Hole ID:	1006330911			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	442335.00
Code OB Desc:				North83:	5012400.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	12/10/2012			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
<b>Improvement Location Source:</b> <b>Improvement Location Method:</b> <b>Source Revision Comment:</b> <b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock Materials Interval</u></b>					
Formation ID:		1006492993			
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			
<b><u>Method of Construction &amp; Well Use</u></b>					
Method Construction ID:		1006493000			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<b><u>Pipe Information</u></b>					
Pipe ID:		1006492992			
Casing No:		0			
Comment:					
Alt Name:					
<b><u>Construction Record - Casing</u></b>					
Casing ID:		1006492996			
Layer:		1			
Material:		7			
Open Hole or Material:		OTHER			
Depth From:					
Depth To:					
Casing Diameter:		32.0			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<b><u>Construction Record - Screen</u></b>					
Screen ID:		1006492997			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Water Details</u></b>					
Water ID:		1006492995			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:	m				
<b><u>Hole Diameter</u></b>					
Hole ID:		1006492994			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:	m				
Hole Diameter UOM:	cm				
<b>11</b>	<b>1 of 1</b>	<b>WSW/131.6</b>	<b>89.2 / -1.45</b>	<b>2393 Longfields dr Ottawa ON</b>	<b>WWIS</b>
Well ID:	7365193			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring and Test Hole			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Monitoring and Test Hole			Date Received:	08/14/2020
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z333456			Contractor:	7241
Tag:	A296206			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliability:				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:	NEPEAN TOWNSHIP				
Site Info:					
<b><u>Additional Detail(s) (Map)</u></b>					
Bore Hole ID:	1008444243			Tag No:	A296206
Depth M:	6.1			Contractor:	7241
Year Completed:	2020			Latitude:	45.2618776153226
Well Completed Dt:	06/22/2020			Longitude:	-75.7348758658392
Audit No:	Z333456			Y:	45.26187760825206
Path:				X:	-75.73487570468197
<b><u>Bore Hole Information</u></b>					
Bore Hole ID:	1008444243			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	442345.00
Code OB Desc:				North83:	5012305.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	06/22/2020			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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:		1008744519			
Layer:		2			
Color:		6			
General Color:		BROWN			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		06			
Material 2 Desc:		SILT			
Material 3:		85			
Material 3 Desc:		SOFT			
Formation Top Depth:		0.3100000023841858			
Formation End Depth:		1.5199999809265137			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1008744520			
Layer:		3			
Color:		2			
General Color:		GREY			
Material 1:		06			
Material 1 Desc:		SILT			
Material 2:		28			
Material 2 Desc:		SAND			
Material 3:		85			
Material 3 Desc:		SOFT			
Formation Top Depth:		1.5199999809265137			
Formation End Depth:		6.099999904632568			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1008744518			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		02			
Material 1 Desc:		TOPSOIL			
Material 2:					
Material 2 Desc:					
Material 3:		77			
Material 3 Desc:		LOOSE			
Formation Top Depth:		0.0			
Formation End Depth:		0.3100000023841858			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Plug ID:</b>		1008744624			
<b>Layer:</b>		2			
<b>Plug From:</b>		0.3100000023841858			
<b>Plug To:</b>		2.740000009536743			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1008744625			
<b>Layer:</b>		3			
<b>Plug From:</b>		2.740000009536743			
<b>Plug To:</b>		6.099999904632568			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1008744623			
<b>Layer:</b>		1			
<b>Plug From:</b>		0.0			
<b>Plug To:</b>		0.3100000023841858			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1008744689			
<b>Method Construction Code:</b>		5			
<b>Method Construction:</b>		Air Percussion			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1008744446			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1008744717			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0.0			
<b>Depth To:</b>		3.0999999046325684			
<b>Casing Diameter:</b>		5.199999809265137			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1008744743			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		3.0999999046325684			
<b>Screen End Depth:</b>		6.099999904632568			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Diameter:		6.03000020980835			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1008744789			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		m			
Rate UOM:		LPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:		0			
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					
Hole ID:		1008744663			
Diameter:		11.430000305175781			
Depth From:		0.0			
Depth To:		6.099999904632568			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
12	1 of 1	E/168.3	86.8 / -3.84	ON	BORE
Borehole ID:	612021	Inclin FLG:	No		
OGF ID:	215513331	SP Status:	Initial Entry		
Status:		Surv Elev:	No		
Type:	Borehole	Piezometer:	No		
Use:		Primary Name:			
Completion Date:		Municipality:			
Static Water Level:	3.0	Lot:			
Primary Water Use:		Township:			
Sec. Water Use:		Latitude DD:	45.262323		
Total Depth m:	-999	Longitude DD:	-75.731495		
Depth Ref:	Ground Surface	UTM Zone:	18		
Depth Elev:		Easting:	442611		
Drill Method:		Northing:	5012352		
Orig Ground Elev m:	91.4	Location Accuracy:			
Elev Reliabil Note:		Accuracy:	Not Applicable		
DEM Ground Elev m:	89.4				
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218389832	Mat Consistency:			
Top Depth:	12.8	Material Moisture:			
Bottom Depth:		Material Texture:			
Material Color:		Non Geo Mat Type:			
Material 1:	Bedrock	Geologic Formation:			



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	Limestone			Geologic Group: Geologic Period: Depositional Gen:  BEDROCK,LIMESTONE. NE. 00080CK. SEISMIC VELOCITY = 14500. BEDROCK. SEISMIC VELOCIT **Note: Many records provided by the department have a truncated [Stratum Description] field.	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218389831 9.8 12.8  Gravel			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:  GRAVEL. WATER STABLE AT 290.0 FEET.	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218389830 0 9.8  Till			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:  TILL.	
<b>Source</b>					
Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name: Source Details: Confiden 1:	Data Survey Geological Survey of Canada 1956-1972 M  Urban Geology Automated Information System (UGAIS) File: OTTAWA1.txt RecordID: 045290 NTS_Sheet: 31G05B Reliable information but incomplete.			Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda:  Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level	
<b>Source List</b>					
Source Identifier: Source Type: Source Date: Scale or Resolution: Source Name: Source Originators:	1 Data Survey 1956-1972 Varies  Urban Geology Automated Information System (UGAIS) Geological Survey of Canada			Horizontal Datum: Vertical Datum: Projection Name:  NAD27 Mean Average Sea Level Universal Transverse Mercator	
<b>13</b>	<b>1 of 3</b>	<b>W/192.6</b>	<b>91.8 / 1.19</b>	<b>Minto Communities Inc. 3311 Greenbank Rd 3380 Jockvale Road, 2393 Longfields Drive, 2451 Longfields Drive, 261 Bren-Maur Road Ottawa ON K1P 0B6</b>	<b>ECA</b>
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type:	7337-B4ZRAV 2018-10-03 Approved ECA IDS  ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS			MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Business Name:</b> Minto Communities Inc. <b>Address:</b> 3311 Greenbank Rd 3380 Jockvale Road, 2393 Longfields Drive, 2451 Longfields Drive, 261 Bren-Maur Road <b>Full Address:</b> <b>Full PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/instruments/2221-B4HP4Z-14.pdf">https://www.accessenvironment.ene.gov.on.ca/instruments/2221-B4HP4Z-14.pdf</a> <b>PDF Site Location:</b>					
<a href="#">13</a>	2 of 3	W/192.6	91.8 / 1.19	3380 Jockvale Road Nepean ON K2J 4J7	EHS
<b>Order No:</b> 20321600001 <b>Status:</b> C <b>Report Type:</b> Standard Report <b>Report Date:</b> 21-DEC-20 <b>Date Received:</b> 16-DEC-20 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b> Aerial Photos <b>Nearest Intersection:</b> <b>Municipality:</b> <b>Client Prov/State:</b> ON <b>Search Radius (km):</b> .25 <b>X:</b> -75.7359778 <b>Y:</b> 45.2628093					
<a href="#">13</a>	3 of 3	W/192.6	91.8 / 1.19	CITY OF OTTAWA 3380 Jockvale Road Ottawa ON	RSC
<b>RSC No:</b> B-403-7292728818 <b>RA No:</b> <b>Status:</b> Active <b>Filing Date:</b> <b>Date Ack:</b> <b>Date Returned:</b> <b>Approval Date:</b> July 18, 2024 <b>Cert Date:</b> <b>Cert Prop Use No:</b> <b>Curr Property Use:</b> <b>Intended Prop Use:</b> <b>Restoration Type:</b> <b>Soil Type:</b> <b>Criteria:</b> <b>Stratified (Y/N):</b> <b>Audit (Y/N):</b> <b>Entire Leg Prop. (Y/N):</b> <b>CPU Issu Sect 1686:</b> <b>Business Name:</b> CITY OF OTTAWA <b>Address:</b> 3380 Jockvale Road <b>Legal Desc:</b> <b>Site Pin:</b> 04732-5801 (LT) <b>Asmt Roll No:</b> <b>Project Type:</b> RSC based on Phase One and Two ESAs <b>Approval Type:</b> RSC-RSC based on Phase One and Two ESAs <b>Applicable Standards:</b> <b>PDF Link:</b> <a href="https://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=3581230">https://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=3581230</a> <b>X:</b> -75.7355555564425 <b>Y:</b> 45.26194444368666 <b>Latitude:</b> 45.26194444 <b>Longitude:</b> -75.73555556 <b>UTM Coordinates:</b> <b>Latitude Longitude:</b> <b>Accuracy Estimate:</b> <b>Measurement Method:</b> <b>Mailing Address:</b> <b>Telephone:</b> <b>Fax:</b> <b>Email:</b> <b>Postal Code:</b> K2J 4J8 <b>Ministry District:</b> <b>MOE District:</b> Ottawa <b>SWP Area Name:</b> Rideau Valley <b>Qual Person Name:</b> David Carnegie <b>Consultant:</b>					
<a href="#">14</a>	1 of 1	WSW/201.3	90.9 / 0.28	Malroz Engineering Inc. 2393 Longfields Drive Nepean ON K2J 4J1	GEN
<b>Generator Info</b> <b>Generator No:</b> ON8244147 <b>Approval Years:</b> As of Nov 2021 <b>Status:</b> Registered <b>Choice of Contact:</b> <b>Contaminated Fac:</b> <b>MHSW Facility:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
PO Box No:				SIC Code:	
Country:	Canada				
Co Admin:					
Phone No Admin:					
SIC Description:					
 <u>Waste Detail(s)</u>					
Waste Class:	242 L				
Waste Class Name:	Halogenated pesticides and herbicides				
 <u>2020 Generator Info</u>					
Gen No:	ON8244147			Choice of Contact:	CO_OFFICIAL
ID:	32994			Phone No Official:	613-548-3446 Ext.31
Contaminated Fac:	N			Phone No Admin:	
MHSW Facility:	N			County Ont:	OTTAWA CARLTON (RM)
NAICS Code1:	541330			County Out:	
NAICS Code2:				District:	402
NAICS Code3:					
Gen Name:	Malroz Engineering Inc.				
Gen Div:					
Gen Op Name:	Malroz Engineering Inc.				
Gen Op Div:					
Site Adrs1:	2393 Longfields Drive				
Site Bldg:					
Site Pobox:					
Province In:	ONTARIO				
Site Adrs2:					
Site City:	Nepean				
Province Out:					
Site Postal Code:	K2J 4J1				
Site Country:	Canada				
Co Official:	Eric Gallaway				
Co Admin:					
 <u>2020 Generator Manifest</u>					
ID:	56315			Sum Received Qty:	205.0
Generator No:	ON8244147			Waste Class Name:	HALOGENATED PESTICIDES
Receiver Type:	035			Count Manifests:	1
Waste Char:	L			District:	402
Waste Code:	242				
 <u>2021 Generator Info</u>					
Gen No:	ON8244147			Choice of Contact:	CO_OFFICIAL
ID:	33772			Phone No Official:	613-548-3446 Ext.31
Contaminated Fac:	N			Phone No Admin:	
MHSW Facility:	N			County Ont:	OTTAWA CARLTON (RM)
NAICS Code1:	541330			County Out:	
NAICS Code2:				District:	402
NAICS Code3:					
Gen Name:	Malroz Engineering Inc.				
Gen Div:					
Gen Op Name:	Malroz Engineering Inc.				
Gen Op Div:					
Site Adrs1:	2393 Longfields Drive				
Site Bldg:					
Site Pobox:					
Province In:	ONTARIO				
Site Adrs2:					

<a href="#">15</a>	1 of 1	NNE/234.4	89.9 / -0.76	lot 13 con 2 ON	WWIS
<b>Well ID:</b>	7051025			<b>Flowing (Y/N):</b>	
<b>Construction Date:</b>				<b>Flow Rate:</b>	
<b>Use 1st:</b>	Not Used			<b>Data Entry Status:</b>	
<b>Use 2nd:</b>				<b>Data Src:</b>	
<b>Final Well Status:</b>	Abandoned-Other			<b>Date Received:</b>	10/22/2007
<b>Water Type:</b>				<b>Selected Flag:</b>	TRUE
<b>Casing Material:</b>				<b>Abandonment Rec:</b>	Yes
<b>Audit No:</b>	Z66810			<b>Contractor:</b>	7260
<b>Tag:</b>				<b>Form Version:</b>	3
<b>Constructn Method:</b>				<b>Owner:</b>	
<b>Elevation (m):</b>				<b>County:</b>	OTTAWA-CARLETON
<b>Elevatn Reliabilty:</b>				<b>Lot:</b>	013
<b>Depth to Bedrock:</b>				<b>Concession:</b>	02
<b>Well Depth:</b>				<b>Concession Name:</b>	
<b>Overburden/Bedrock:</b>				<b>Easting NAD83:</b>	
<b>Pump Rate:</b>				<b>Northing NAD83:</b>	
<b>Static Water Level:</b>				<b>Zone:</b>	
<b>Clear/Cloudy:</b>				<b>UTM Reliability:</b>	
<b>Municipality:</b>	NEPEAN TOWNSHIP				
<b>Site Info:</b>					
<b>PDF URL (Map):</b>	<a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/705\7051025.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/705\7051025.pdf</a>				

**Well Completed Date:** 09/19/2007  
**Year Completed:** 2007  
**Depth (m):**  
**Latitude:** 45.2646111595576  
**Longitude:** -75.7325275006206  
**X:** -75.73252733929446  
**Y:** 45.26461115281779  
**Path:** 705\7051025.pdf

<b>Bore Hole ID:</b>	23051025	<b>Elevation:</b>	
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	442532.00
<b>Code OB Desc:</b>		<b>North83:</b>	5012607.00
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	3
<b>Date Completed:</b>	09/19/2007	<b>UTMRC Desc:</b>	margin of error : 10 - 30 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Location Method Desc:</b>	on Water Well Record		
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
Plug ID:		44006585			
Layer:		1			
Plug From:		0.0			
Plug To:		7.369999885559082			
Plug Depth UOM:		m			
<b><u>Pipe Information</u></b>					
Pipe ID:		29051025			
Casing No:		0			
Comment:					
Alt Name:					
<b><u>Hole Diameter</u></b>					
Hole ID:		46005096			
Diameter:		10.15999984741211			
Depth From:		0.0			
Depth To:		7.369999885559082			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<b><u>16</u></b>	<b>1 of 1</b>	<b>SSW/243.8</b>	<b>90.8 / 0.12</b>	<b>3420 Jockvale Road Ottawa ON</b>	<b>SPL</b>
Ref No:	6335-AAQHUC			Municipality No:	
Year:				Nature of Damage:	
Incident Dt:	2016/06/08			Discharger Report:	
Dt MOE Arvl on Scn:				Material Group:	
MOE Reported Dt:	2016/06/08			Impact to Health:	
Dt Document Closed:				Agency Involved:	
Site No:	NA				
MOE Response:	No				
Site County/District:					
Site Geo Ref Meth:					
Site District Office:					
Nearest Watercourse:					
Site Name:	Corrigan Storm Water Pond Pond <UNOFFICIAL>				
Site Address:	3420 Jockvale Road				
Site Region:					
Site Municipality:	Ottawa				
Site Lot:					
Site Conc:					
Site Geo Ref Accu:					
Site Map Datum:					
Northing:	5012090				
Easting:	442373				
Entity Operating Name:					
Client Name:					
Client Type:					
Source Type:					
Incident Cause:					
Incident Preceding Spill:	Dumping				
Incident Reason:	Unknown / N/A				
Incident Summary:	PIR: Paint in Corrigan Storm Water Pond				
Environment Impact:					
Health Env Consequence:					
Nature of Impact:					
Contaminant Qty:	0 other - see incident description				



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant Qty 1:		0			
Contaminant Unit:		other - see incident description			
Contaminant Code:		97			
Contaminant Name:		NOT APPLICABLE			
Contaminant Limit 1:					
Contam Limit Freq 1:					
Contaminant UN No 1:					
Receiving Medium:		Surface Water			
Activity Preceding Spill:					
Property 2nd Watershed:					
Property Tertiary Watershed:					
Sector Type:		Miscellaneous Communal			
SAC Action Class:		Pollution Incident Reports (PIRs) and "Other" calls			
Call Report Locatn Geodata:					
Time Reported:					
System Facility Address:					

<a href="#">17</a>	1 of 1	NE/246.8	90.0 / -0.67	lot 13 con 2 ON	WWIS
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Well ID:	1505986	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:	Livestock	Data Entry Status:	
Use 2nd:	Domestic	Data Src:	1
Final Well Status:	Water Supply	Date Received:	12/13/1951
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:	013
Depth to Bedrock:		Concession:	02
Well Depth:		Concession Name:	RF
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			
PDF URL (Map):	<a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1505986.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1505986.pdf</a>		

#### Additional Detail(s) (Map)

Well Completed Date:	10/30/1950
Year Completed:	1950
Depth (m):	14.6304
Latitude:	45.2645693183449
Longitude:	-75.7320336652535
X:	-75.73203350410873
Y:	45.2645693107969
Path:	150\1505986.pdf

#### Bore Hole Information

Bore Hole ID:	10028029	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	442570.70
Code OB Desc:		North83:	5012602.00
Open Hole:		Org CS:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Cluster Kind:				UTMRC:	5
Date Completed:	10/30/1950			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	p5
Location Method Desc:		Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931003488			
Layer:		3			
Color:					
General Color:					
Material 1:		11			
Material 1 Desc:		GRAVEL			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		47.0			
Formation End Depth:		48.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931003487			
Layer:		2			
Color:					
General Color:					
Material 1:		14			
Material 1 Desc:		HARDPAN			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		20.0			
Formation End Depth:		47.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931003486			
Layer:		1			
Color:					
General Color:					
Material 1:		13			
Material 1 Desc:		BOULDERS			
Material 2:		05			
Material 2 Desc:		CLAY			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		20.0			
Formation End Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Method of Construction &amp; Well Use</u></b>					
Method Construction ID:	961505986				
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:					
<b><u>Pipe Information</u></b>					
Pipe ID:	10576599				
Casing No:	1				
Comment:					
Alt Name:					
<b><u>Construction Record - Casing</u></b>					
Casing ID:	930048811				
Layer:	1				
Material:	1				
Open Hole or Material:	STEEL				
Depth From:					
Depth To:	48.0				
Casing Diameter:	4.0				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<b><u>Results of Well Yield Testing</u></b>					
Pumping Test Method Desc:	PUMP				
Pump Test ID:	991505986				
Pump Set At:					
Static Level:	8.0				
Final Level After Pumping:	8.0				
Recommended Pump Depth:					
Pumping Rate:	5.0				
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				
<b><u>Water Details</u></b>					
Water ID:	933460033				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	47.0				
Water Found Depth UOM:	ft				
<b>18</b>	<b>1 of 1</b>	<b>NE/246.8</b>	<b>90.0 / -0.67</b>	<b>ON</b>	<b>BORE</b>
Borehole ID:	612035			Inclin FLG:	No
OGF ID:	215513345			SP Status:	Initial Entry
Status:				Surv Elev:	No

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Type:</b> <b>Use:</b> <b>Completion Date:</b> <b>Static Water Level:</b> <b>Primary Water Use:</b> <b>Sec. Water Use:</b> <b>Total Depth m:</b> <b>Depth Ref:</b> <b>Depth Elev:</b> <b>Drill Method:</b> <b>Orig Ground Elev m:</b> <b>Elev Reliabil Note:</b> <b>DEM Ground Elev m:</b> <b>Concession:</b> <b>Location D:</b> <b>Survey D:</b> <b>Comments:</b>	Borehole  OCT-1950    14.6 Ground Surface   88.4  88.9      			<b>Piezometer:</b> <b>Primary Name:</b> <b>Municipality:</b> <b>Lot:</b> <b>Township:</b> <b>Latitude DD:</b> <b>Longitude DD:</b> <b>UTM Zone:</b> <b>Easting:</b> <b>Northing:</b> <b>Location Accuracy:</b> <b>Accuracy:</b>	No     45.26457 -75.732034 18 442571 5012602  Not Applicable
<b><u>Borehole Geology Stratum</u></b>					
<b>Geology Stratum ID:</b> <b>Top Depth:</b> <b>Bottom Depth:</b> <b>Material Color:</b> <b>Material 1:</b> <b>Material 2:</b> <b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b>	218389874 0 6.1  Boulders Clay     BOULDERS,CLAY.			<b>Mat Consistency:</b> <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>	
<b>Geology Stratum ID:</b> <b>Top Depth:</b> <b>Bottom Depth:</b> <b>Material Color:</b> <b>Material 1:</b> <b>Material 2:</b> <b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b>	218389875 6.1 14.3       HARDPAN.			<b>Mat Consistency:</b> <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>	Hard
<b>Geology Stratum ID:</b> <b>Top Depth:</b> <b>Bottom Depth:</b> <b>Material Color:</b> <b>Material 1:</b> <b>Material 2:</b> <b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b>	218389876 14.3 14.6 Grey Gravel     GRAVEL. 00047E. 00070.0 FEET.NE. GREY. 0006400122LIMESTONE. 0223BEDROCK.			<b>Mat Consistency:</b> <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>	
<b><u>Source</u></b>					
<b>Source Type:</b> <b>Source Orig:</b> <b>Source Date:</b> <b>Confidence:</b> <b>Observatio:</b> <b>Source Name:</b> <b>Source Details:</b> <b>Confiden 1:</b>	Data Survey Geological Survey of Canada 1956-1972    Urban Geology Automated Information System (UGAIS) File: OTTAWA1.txt RecordID: 04543 NTS_Sheet:			<b>Source Appl:</b> <b>Source Iden:</b> <b>Scale or Res:</b> <b>Horizontal:</b> <b>Verticalda:</b>	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<hr/>					
<b><u>Source List</u></b>					
<b>Source Identifier:</b>	1			<b>Horizontal Datum:</b>	NAD27
<b>Source Type:</b>	Data Survey			<b>Vertical Datum:</b>	Mean Average Sea Level
<b>Source Date:</b>	1956-1972			<b>Projection Name:</b>	Universal Transverse Mercator
<b>Scale or Resolution:</b>	Varies				
<b>Source Name:</b>	Urban Geology Automated Information System (UGAIS)				
<b>Source Originators:</b>	Geological Survey of Canada				



# Unplottable Summary

Total: 94 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	City of Ottawa	Lot 13	Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Communities Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	

CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	South Nepean Development Corporation	Part of Lots 13, and 14, Concession 2, Rideau Front	Ottawa ON
CA	NEPEAN CITY	GREENBANK RD./LONGFIELDS DR.	NEPEAN ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.	Part Lots 13, and 14, Conc. 2, Rideau Front	Ottawa ON
CA	Minto Developments Inc.	Part of Lots 13, and 14, Concession 2, Rideau Front	Ottawa ON
CA	South Nepean Development Corporation	Part of Lots 13 14 and 15 Concession 2 Rideau Front	Ottawa ON
CA	South Nepean Development Corporation	Part of Lots 13, 14 and 15, Concession 2, Rideau Front	Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.	Part Lots 13, 14 & 15, Conc. 2, Rideau Front	Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON

CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	South Nepean High School	Part of Lot 13, Concession 2 Rideau Front	Ottawa ON	
CA	South Nepean High School	Part of Lot 13, Concession 2 Rideau Front	Ottawa ON	
CA	Village Square Mall	Regional Road No. 13	Ottawa ON	
CA		Part of Lots 13 & 14, Concession 2 (Ottawa Front), City of Nepean	Nepean ON	
CA		Part of Lots 13 & 14, Concession 2 (Ottawa Front), City of Nepean	Nepean ON	
CA	MONARCH CONSTRUCTION LIMITED	ST.A/JOCKVALE RD/ST.G	NEPEAN CITY ON	
CA	MONARCH CONSTRUCTION LIMITED	ST.A/JOCKVALE RD/ST.G	NEPEAN CITY ON	
CA	ROCKY PANTALONE - WEST END STATION RESTA	PT. LOT 13 & 14 CONC. 2	NEPEAN CITY ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	MINISTRY OF THE ENVIR.- GREENBANK RD.	REG. RD. #13/JOCK RIVER/MUD CK	NEPEAN CITY ON	
EBR	Minto Communities Inc.	Ottawa, Ontario CITY OF OTTAWA	ON	
EBR	Minto Communities		ON	
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6

ECA	Minto Developments Inc.		Ottawa ON	K1R 7Y2
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Developments Inc.		Ottawa ON	K1R 7Y2
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	City of Ottawa	Jockvale Road	Ottawa ON	K2G 6J8
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
PTTW	Minto Communities Inc.		ON	
PTTW	Minto Communities Inc.		ON	
PTTW	Minto Communities Canada Inc.	Lot 12 and 13, Concession 2, Geographic Township: NEPEAN City of Ottawa, Ontario UTM Easting: 442170, UTM Northing: 5012363 NEPEAN	ON	
WWIS		con 2	ON	
WWIS		con 2	ON	
WWIS		lot 12	ON	
WWIS		con 2	ON	
WWIS		lot 12 con 2	ON	
WWIS		lot 12 con 2	ON	

WWIS	con 2	ON
WWIS	con 2	ON
WWIS	lot 12	ON
WWIS	lot 13	ON
WWIS	lot 12	ON
WWIS	lot 13	ON
WWIS	con 2	ON



# Unplottable Report

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**Site:** *Minto Developments Inc.*  
*Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 5109-66JPRR  
**Application Year:** 2004  
**Issue Date:** 11/9/2004  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Minto Developments Inc.*  
*Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 4309-6VTJMR  
**Application Year:** 2006  
**Issue Date:** 12/1/2006  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Minto Developments Inc.*  
*Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 4208-6J7J5T  
**Application Year:** 2005  
**Issue Date:** 11/17/2005  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Minto Developments Inc.*  
*Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 3934-5QBL78  
**Application Year:** 2003

**Issue Date:** 9/18/2003  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **Minto Developments Inc.**  
**Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 3403-5MAJ6D  
**Application Year:** 2003  
**Issue Date:** 5/9/2003  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **City of Ottawa**  
**Lot 13 Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 3399-6BVHAA  
**Application Year:** 2005  
**Issue Date:** 6/10/2005  
**Approval Type:** Air  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **Minto Developments Inc.**  
**Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 3360-7H3RCS  
**Application Year:** 2008  
**Issue Date:** 8/8/2008  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 3324-5PXMLV  
**Application Year:** 2003  
**Issue Date:** 7/31/2003  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Communities Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 3058-7JZKTF  
**Application Year:** 2008  
**Issue Date:** 10/7/2008  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 2814-68ZN2P  
**Application Year:** 2005  
**Issue Date:** 2/2/2005  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 2803-6XKQB2  
**Application Year:** 2007  
**Issue Date:** 1/25/2007  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**

**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 2539-66USUQ  
**Application Year:** 2004  
**Issue Date:** 11/25/2004  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 2530-6JULSK  
**Application Year:** 2005  
**Issue Date:** 12/16/2005  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 2206-5J5J5M  
**Application Year:** 2003  
**Issue Date:** 1/27/2003  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 1930-5HZMDY  
**Application Year:** 2003  
**Issue Date:** 1/21/2003  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**

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

---

**Site:** **Minto Developments Inc.**  
**Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 1814-73VJMC  
**Application Year:** 2007  
**Issue Date:** 6/7/2007  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **Minto Developments Inc.**  
**Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 1688-5ZCP3J  
**Application Year:** 2004  
**Issue Date:** 5/28/2004  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **Minto Developments Inc.**  
**Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 1530-6QQL2J  
**Application Year:** 2006  
**Issue Date:** 7/14/2006  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **Minto Developments Inc.**  
**Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 1462-76TNSQ



**Application Year:** 2007  
**Issue Date:** 9/11/2007  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **Minto Developments Inc.**  
**Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 1305-5PNSMF  
**Application Year:** 2003  
**Issue Date:** 7/22/2003  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **Minto Developments Inc.**  
**Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 1297-6SPJ46  
**Application Year:** 2006  
**Issue Date:** 8/17/2006  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **Minto Developments Inc.**  
**Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 1168-67AKKL  
**Application Year:** 2004  
**Issue Date:** 12/7/2004  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Revoked and/or Replaced  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 1002-6GQJNY  
**Application Year:** 2005  
**Issue Date:** 10/3/2005  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 0681-67QTZP  
**Application Year:** 2005  
**Issue Date:** 1/11/2005  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 0523-7EVPTJ  
**Application Year:** 2008  
**Issue Date:** 8/21/2008  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** South Nepean Development Corporation  
Part of Lots 13, and 14, Concession 2, Rideau Front Ottawa ON

**Database:**  
CA

**Certificate #:** 5412-6PPRJE  
**Application Year:** 2006  
**Issue Date:** 5/19/2006  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**

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

---

**Site:** **NEPEAN CITY**  
**GREENBANK RD./LONGFIELDS DR. NEPEAN ON**

**Database:**  
**CA**

**Certificate #:** 3-1119-98-  
**Application Year:** 98  
**Issue Date:** 8/18/1998  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **Minto Developments Inc.**  
**Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 8733-8J9RH6  
**Application Year:** 2011  
**Issue Date:** 7/28/2011  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **Minto Developments Inc.**  
**Part Lots 13, and 14, Conc. 2, Rideau Front Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 9822-6E9JVH  
**Application Year:** 2005  
**Issue Date:** 7/18/2005  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **Minto Developments Inc.**  
**Part of Lots 13, and 14, Concession 2, Rideau Front Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 9793-6GNMEN  
**Application Year:** 2005  
**Issue Date:** 9/29/2005  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved

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

---

**Site:** **South Nepean Development Corporation**  
**Part of Lots 13 14 and 15 Concession 2 Rideau Front Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 9377-6TNU92  
**Application Year:** 2006  
**Issue Date:** 9/19/2006  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **South Nepean Development Corporation**  
**Part of Lots 13, 14 and 15, Concession 2, Rideau Front Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 9340-6S3LNC  
**Application Year:** 2006  
**Issue Date:** 10/6/2006  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **Minto Developments Inc.**  
**Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 9152-65XHVP  
**Application Year:** 2004  
**Issue Date:** 10/21/2004  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **Minto Developments Inc.**  
**Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 8418-76APWL  
**Application Year:** 2007  
**Issue Date:** 8/22/2007  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Minto Developments Inc.*  
Ottawa ON

**Database:**  
[CA](#)

**Certificate #:** 8133-65GMW9  
**Application Year:** 2004  
**Issue Date:** 10/6/2004  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Minto Developments Inc.*  
Ottawa ON

**Database:**  
[CA](#)

**Certificate #:** 7996-5Q7RGN  
**Application Year:** 2003  
**Issue Date:** 8/12/2003  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Minto Developments Inc.*  
Ottawa ON

**Database:**  
[CA](#)

**Certificate #:** 7788-6XDSAP  
**Application Year:** 2007  
**Issue Date:** 1/19/2007  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Revoked and/or Replaced  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**



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**Site:** Minto Developments Inc.  
Part Lots 13, 14 & 15, Conc. 2, Rideau Front Ottawa ON

**Database:**  
CA

**Certificate #:** 7776-65WJD3  
**Application Year:** 2004  
**Issue Date:** 10/21/2004  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 7677-7DPNN3  
**Application Year:** 2008  
**Issue Date:** 5/1/2008  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 7355-6M4TMP  
**Application Year:** 2006  
**Issue Date:** 2/20/2006  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 7163-5SYQ3M  
**Application Year:** 2003  
**Issue Date:** 11/14/2003  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**

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

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 7043-6P2REB  
**Application Year:** 2006  
**Issue Date:** 4/20/2006  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 6733-5NSKZ9  
**Application Year:** 2003  
**Issue Date:** 6/23/2003  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 6380-6JGQ7B  
**Application Year:** 2005  
**Issue Date:** 12/29/2005  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Revoked and/or Replaced  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 6002-7DAKG9  
**Application Year:** 2008  
**Issue Date:** 4/2/2008  
**Approval Type:** Municipal and Private Sewage Works

**Status:** Revoked and/or Replaced  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **Minto Developments Inc.**  
**Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 5963-766KNS  
**Application Year:** 2007  
**Issue Date:** 8/21/2007  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **South Nepean High School**  
**Part of Lot 13, Concession 2 Rideau Front Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 5530-56PKWF  
**Application Year:** 02  
**Issue Date:** 3/8/02  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** Ottawa carleton Catholic School Board  
**Client Address:** 1224 Main St.  
**Client City:** Stittsville  
**Client Postal Code:** K2S 1B2  
**Project Description:** Sanitary sewer collection system, sewage pumping station, sanitary forcemain and sanitary sewer construction  
**Contaminants:**  
**Emission Control:**

---

**Site:** **South Nepean High School**  
**Part of Lot 13, Concession 2 Rideau Front Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 2054-57GJUQ  
**Application Year:** 02  
**Issue Date:** 2/20/02  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** Ottawa carleton Catholic School Board  
**Client Address:** 1224 Main St.  
**Client City:** Stittsville  
**Client Postal Code:** K2S 1B2  
**Project Description:** On-site storm drainage system with an off-site drainage swale forming a stormwater management system.  
**Contaminants:**  
**Emission Control:**

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**Site:** **Village Square Mall**  
**Regional Road No. 13 Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 7752-4VBMMJ  
**Application Year:** 01  
**Issue Date:** 4/2/01  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** The Village Square Mall (Barrhaven) Inc.  
**Client Address:** 17 Fitzgerald Road  
**Client City:** Nepean  
**Client Postal Code:** K2H 9G1  
**Project Description:** Storm and sanitary sewers to be constructed on Greenbank Road  
**Contaminants:**  
**Emission Control:**

---

**Site:** **Part of Lots 13 & 14, Concession 2 (Ottawa Front), City of Nepean Nepean ON**

**Database:**  
**CA**

**Certificate #:** 6041-4KMHZ2  
**Application Year:** 00  
**Issue Date:** 5/25/00  
**Approval Type:** Municipal & Private water  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** Uniform Urban Developments Ltd.  
**Client Address:** 117 Centrepointhe Drive, Suite 300  
**Client City:** Nepean  
**Client Postal Code:** K2G 5X3  
**Project Description:** Construction of Watermains for the Cookstown Site, City of Nepean  
**Contaminants:**  
**Emission Control:**

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**Site:** **Part of Lots 13 & 14, Concession 2 (Ottawa Front), City of Nepean Nepean ON**

**Database:**  
**CA**

**Certificate #:** 8720-4KMHSZ  
**Application Year:** 00  
**Issue Date:** 5/25/00  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** Uniform Urban Developments Ltd.  
**Client Address:** 117 Centrepointhe Drive, Suite 300  
**Client City:** Nepean  
**Client Postal Code:** K2G 5X3  
**Project Description:** Construction of Sanitary Sewers for Cookstown Road Site, Uniform Urban Development Corporation, City of Nepean  
**Contaminants:**  
**Emission Control:**

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**Site:** **MONARCH CONSTRUCTION LIMITED  
ST.A/JOCKVALE RD/ST.G NEPEAN CITY ON**

**Database:**  
**CA**

**Certificate #:** 7-0816-99-  
**Application Year:** 99  
**Issue Date:** 10/13/1999  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**

**Emission Control:**

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**Site:** MONARCH CONSTRUCTION LIMITED  
ST.A/JOCKVALE RD/ST.G NEPEAN CITY ON

**Database:**  
CA

**Certificate #:** 3-1197-99-  
**Application Year:** 99  
**Issue Date:** 10/13/1999  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** ROCKY PANTALONE - WEST END STATION RESTA  
PT. LOT 13 & 14 CONC. 2 NEPEAN CITY ON

**Database:**  
CA

**Certificate #:** 8-4088-96-  
**Application Year:** 96  
**Issue Date:** 4/10/1996  
**Approval Type:** Industrial air  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:** KITCHEN EXHAUST FOR RESTAURANT  
**Contaminants:**  
**Emission Control:**

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**Site:** Minto Developments Inc.  
Ottawa ON

**Database:**  
CA

**Certificate #:** 5840-6NRNJD  
**Application Year:** 2006  
**Issue Date:** 5/4/2006  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** MINISTRY OF THE ENVIR.-GREENBANK RD.  
REG. RD. #13/JOCK RIVER/MUD CK NEPEAN CITY ON

**Database:**  
CA

**Certificate #:** 7-0930-92-  
**Application Year:** 92  
**Issue Date:** 11/25/1992  
**Approval Type:** Municipal water  
**Status:** Revised  
**Application Type:**  
**Client Name:**



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

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**Site:** **Minto Communities Inc.**  
**Ottawa, Ontario CITY OF OTTAWA ON**

**Database:**  
**EBR**

**EBR Registry No:** 013-0315  
**Ministry Ref No:** MNRF INST 30/17  
**Notice Type:** Instrument Decision  
**Notice Stage:**  
**Notice Date:** September 28, 2017  
**Proposal Date:** April 10, 2017  
**Year:** 2017  
**Instrument Type:** (ESA s.17(2) (c)) - Permit for activities with conditions to achieve overall benefit to the species  
**Off Instrument Name:**  
**Posted By:**  
**Company Name:** Minto Communities Inc.  
**Site Address:**  
**Location Other:**  
**Proponent Name:**  
**Proponent Address:** 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6  
**Comment Period:**  
**URL:**  
**Summary:**

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

**Site Location Details:**

Ottawa, Ontario CITY OF OTTAWA

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**Site:** **Minto Communities**  
**ON**

**Database:**  
**EBR**

**EBR Registry No:** 019-2808  
**Ministry Ref No:** KV-C-001-19  
**Notice Type:** Instrument  
**Notice Stage:** Decision  
**Notice Date:**  
**Proposal Date:** December 4, 2020  
**Year:** 2020  
**Instrument Type:** Permit for activities to achieve an overall benefit to a species  
**Off Instrument Name:** Permit for activities with conditions to achieve overall benefit to the species (ESA s.17(2) (c))  
**Posted By:** Ministry of the Environment, Conservation and Parks  
**Company Name:**  
**Site Address:**  
**Location Other:**  
**Proponent Name:** Minto Communities  
**Proponent Address:** Minto Communities 180 Kent Street Unit 200 Ottawa, ON K1P 0B6 Canada  
**Comment Period:** December 4, 2020 - January 3, 2021 (30 days) Closed  
**URL:** <https://ero.ontario.ca/notice/019-2808>  
**Summary:**

**Decision Posted:** February 26, 2021  
**Exception Posted:**  
**Section:** Section 17 (2) (c)  
**Act 1:** Endangered Species Act , R.S.O. 2007  
**Act 2:** Endangered Species Act, 2007  
**Site Location Map:**

**Site Location Details:**

Part of Lot 12, Concession 4, Township of March, Ottawa

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**Site:** **Minto Communities Inc.**  
**Ottawa ON K1P 0B6**

**Database:**  
**ECA**

**Approval No:** 6432-CA6MRC  
**Approval Date:** January 18, 2022  
**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:** Minto Communities Inc.  
**Address:**  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/2726-C9PS46-14.pdf>  
**PDF Site Location:** Avalon South Stormwater Management Facility Expansion  
Neighbourhood 4  
Lot 4, Concession 10  
City of Ottawa, Ontario

**MOE District:** Ottawa  
**City:**  
**Longitude:**  
**Latitude:**  
**Geometry X:** -8402261.5817000009  
**Geometry Y:** 5691103.7277999958

---

**Site:** **Minto Communities Inc.**  
**Ottawa ON K1P 0B6**

**Database:**  
**ECA**

**Approval No:** 6142-BEJHCE  
**Approval Date:** 2019-08-01  
**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:** Minto Communities Inc.  
**Address:**  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/0892-BDSKVQ-14.pdf>  
**PDF Site Location:**

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

---

**Site:** **Minto Communities Inc.**  
**Ottawa ON K1P 0B6**

**Database:**  
**ECA**

**Approval No:** 8605-AYUHGJ  
**Approval Date:** 2018-05-30  
**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:** Minto Communities Inc.  
**Address:**  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/7723-AYKNXD-14.pdf>  
**PDF Site Location:**

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

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**Site:** **Minto Communities Inc.**  
**Ottawa ON K1P 0B6**

**Database:**  
**ECA**

**Approval No:** 3128-AQGJ6T  
**Approval Date:** 2017-08-23  
**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:** Minto Communities Inc.  
**Address:**  
**Full Address:**

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

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**Site:** Minto Communities Inc.  
Ottawa ON K1P 0B6

**Database:**  
ECA

**Approval No:** 1720-AKJGKQ  
**Approval Date:** 2017-03-24  
**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:** Minto Communities Inc.  
**Address:**  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/1769-AKEQQZ-14.pdf>  
**PDF Site Location:**

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

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**Site:** Minto Communities Inc.  
Ottawa ON K1P 0B6

**Database:**  
ECA

**Approval No:** 7598-94TRX3  
**Approval Date:** 2013-02-26  
**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:** Minto Communities Inc.  
**Address:**  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/2553-8VDQUF-14.pdf>  
**PDF Site Location:**

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

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**Site:** Minto Developments Inc.  
Ottawa ON K1R 7Y2

**Database:**  
ECA

**Approval No:** 7163-5SYQ3M  
**Approval Date:** 2003-11-14  
**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:** Minto Developments Inc.  
**Address:**  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/2997-5SKKCW-14.pdf>  
**PDF Site Location:**

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

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**Site:** Minto Communities Inc.  
Ottawa ON K1P 0B6

**Database:**  
ECA

**Approval No:** 8813-9WYQ2J  
**Approval Date:** 2015-06-08  
**Status:** Approved  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**

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

**Approval Type:** ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Project Type:** MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Business Name:** Minto Communities Inc.  
**Address:**  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/4625-9WXRTA-14.pdf>  
**PDF Site Location:**

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**Site:** **Minto Communities Inc.**  
**Ottawa ON K1P 0B6**

**Database:**  
**ECA**

**Approval No:** 2268-9WYR3F  
**Approval Date:** 2015-06-08  
**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:** Minto Communities Inc.  
**Address:**  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/3873-9WWLDY-14.pdf>  
**PDF Site Location:**

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

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**Site:** **Minto Developments Inc.**  
**Ottawa ON K1R 7Y2**

**Database:**  
**ECA**

**Approval No:** 4490-5SYQAN  
**Approval Date:** 2003-11-14  
**Status:** Approved  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**  
**Approval Type:** ECA-Municipal Drinking Water Systems  
**Project Type:** Municipal Drinking Water Systems  
**Business Name:** Minto Developments Inc.  
**Address:**  
**Full Address:**  
**Full PDF Link:**  
**PDF Site Location:**

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

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**Site:** **Minto Communities Inc.**  
**Ottawa ON K1P 0B6**

**Database:**  
**ECA**

**Approval No:** 0606-AHXJCH  
**Approval Date:** 2017-02-02  
**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:** Minto Communities Inc.  
**Address:**  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/4552-AHSJ74-14.pdf>  
**PDF Site Location:**

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

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**Site:** **Minto Communities Inc.**  
**Ottawa ON K1P 0B6**

**Database:**  
**ECA**

**Approval No:** 7661-ABCKQL

**MOE District:**

**Approval Date:** 2016-06-30  
**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:** Minto Communities Inc.  
**Address:**  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/5664-AB4KGV-14.pdf>  
**PDF Site Location:**

**City:**  
**Longitude:**  
**Latitude:**  
**Geometry X:**  
**Geometry Y:**

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**Site:** **Minto Communities Inc.**  
**Ottawa ON K1P 0B6**

**Database:**  
**ECA**

**Approval No:** 8270-A3ZLU2  
**Approval Date:** 2015-11-10  
**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:** Minto Communities Inc.  
**Address:**  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/8185-A3PRB5-14.pdf>  
**PDF Site Location:**

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

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**Site:** **Minto Communities Inc.**  
**Ottawa ON K1P 0B6**

**Database:**  
**ECA**

**Approval No:** 7971-9EAST8  
**Approval Date:** 2014-01-10  
**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:** Minto Communities Inc.  
**Address:**  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/7322-9E4LGN-14.pdf>  
**PDF Site Location:**

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

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**Site:** **Minto Communities Inc.**  
**Ottawa ON K1P 0B6**

**Database:**  
**ECA**

**Approval No:** 7202-97BLB4  
**Approval Date:** 2013-05-23  
**Status:** Revoked and/or Replaced  
**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:** Minto Communities Inc.  
**Address:**  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/4553-95ZKWJ-14.pdf>  
**PDF Site Location:**

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



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**Site:** Minto Communities Inc.  
Ottawa ON K1P 0B6

**Database:**  
ECA

**Approval No:** 0195-95LSVA  
**Approval Date:** 2013-03-22  
**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:** Minto Communities Inc.  
**Address:**  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/1964-8XNJA4-14.pdf>  
**PDF Site Location:**

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

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**Site:** Minto Communities Inc.  
Ottawa ON K1P 0B6

**Database:**  
ECA

**Approval No:** 3053-8YJNWU  
**Approval Date:** 2012-10-01  
**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:** Minto Communities Inc.  
**Address:**  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/1397-8XNJGH-14.pdf>  
**PDF Site Location:**

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

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**Site:** City of Ottawa  
Jockvale Road Ottawa ON K2G 6J8

**Database:**  
ECA

**Approval No:** 1216-8Y2SKS  
**Approval Date:** 2012-09-18  
**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:** City of Ottawa  
**Address:** Jockvale Road  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/8054-8TJLH5-14.pdf>  
**PDF Site Location:**

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

---

**Site:** Minto Communities Inc.  
Ottawa ON K1P 0B6

**Database:**  
ECA

**Approval No:** 1554-8Y2HZ6  
**Approval Date:** 2012-09-14  
**Status:** Revoked and/or Replaced  
**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:** Minto Communities Inc.  
**Address:**

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

**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/1100-8WTMSY-14.pdf>  
**PDF Site Location:**

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**Site:** **Minto Communities Inc.**  
**Ottawa ON K1P 0B6**

**Database:**  
**ECA**

**Approval No:** 3002-8PBSB4  
**Approval Date:** 2012-01-31  
**Status:** Revoked and/or Replaced  
**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:** Minto Communities Inc.  
**Address:**  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/6465-8NETCD-14.pdf>  
**PDF Site Location:**

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

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**Site:** **Minto Communities Inc.**  
**ON**

**Database:**  
**PTTW**

**EBR Registry No:** 011-4898  
**Ministry Ref No:** 3046-8MLKW5  
**Notice Type:** Instrument Decision  
**Notice Stage:**  
**Notice Date:** December 17, 2014  
**Proposal Date:** November 04, 2011  
**Year:** 2011  
**Instrument Type:** (OWRA s. 34) - Permit to Take Water  
**Off Instrument Name:**  
**Posted By:**  
**Company Name:** Minto Communities Inc.  
**Site Address:**  
**Location Other:**  
**Proponent Name:**  
**Proponent Address:** 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6  
**Comment Period:**  
**URL:**  
**Summary:**

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

**Site Location Details:**

Mahogany Community Development Address: Lot: Part of Lots 4 and 5, Concession: A (Broken Front), Ottawa, City District Office: Ottawa  
GeoReference: Map Datum: NAD83, Zone: 18, Accuracy Estimate: 1-10 metres eg. Good Quality GPS, UTM Easting: 446650, UTM Northing: 5007555,  
, LIO GeoReference: Zone: , UTM Easting: , UTM Northing: , Latitude: , Longitude: CITY OF OTTAWA

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**Site:** **Minto Communities Inc.**  
**ON**

**Database:**  
**PTTW**

**EBR Registry No:** 012-9800  
**Ministry Ref No:** 5771-AJEJDR  
**Notice Type:** Instrument Decision  
**Notice Stage:**  
**Notice Date:** October 06, 2017  
**Proposal Date:** February 13, 2017  
**Year:** 2017  
**Instrument Type:** (OWRA s. 34) - Permit to Take Water  
**Off Instrument Name:**  
**Posted By:**  
**Company Name:** Minto Communities Inc.

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

**Site Address:****Location Other:****Proponent Name:**

**Proponent Address:** 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6

**Comment Period:****URL:****Summary:****Site Location Details:**

Avalon West Community Address: Lot: 3 & Part of Lot 4, Concession: 11, Geographic Township: CUMBERLAND, Ottawa, City District Office: Ottawa  
GeoReference: Zone: 18, UTM Easting: 461611, UTM Northing: 5032496, UTM Location Description: S1- Lot 3 Concession 11, Site #: 5712-AJEJLA  
CITY OF OTTAWA

**Site:** **Minto Communities Canada Inc.**  
**Lot 12 and 13, Concession 2, Geographic Township: NEPEAN City of Ottawa, Ontario UTM Easting: 442170, UTM**  
**Northing: 5012363 NEPEAN ON**

**Database:**  
**PTTW**

**EBR Registry No:** 013-2921  
**Ministry Ref No:** 3551-AY8R3T  
**Notice Type:** Instrument Decision  
**Notice Stage:**  
**Notice Date:** September 19, 2018  
**Proposal Date:** May 02, 2018  
**Year:** 2018  
**Instrument Type:** Permit to Take Water - OWRA s. 34  
**Off Instrument Name:**  
**Posted By:**  
**Company Name:** Minto Communities Canada Inc.(OWRA s. 34) - Permit to Take Water  
**Site Address:**  
**Location Other:**  
**Proponent Name:** Minto Communities Canada Inc.  
**Proponent Address:** 180 Kent Street Ottawa Ontario Canada K1P 0B6  
**Comment Period:**  
**URL:** <http://www.ebr.gov.on.ca/ERS-WEB-External/displaynoticecontent.do?noticeId=MTM1MjUx&statusId=MjA3Mzg1&language=en>

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

**Summary:****Site Location Details:**

Lot 12 and 13, Concession 2, Geographic Township: NEPEAN

City of Ottawa, Ontario

UTM Easting: 442170, UTM Northing: 5012363  
NEPEAN

**Site:**  
**con 2 ON**

**Database:**  
**WWIS**

**Well ID:** 1529560  
**Construction Date:**  
**Use 1st:** Commerical  
**Use 2nd:**  
**Final Well Status:** Observation Wells  
**Water Type:**  
**Casing Material:**  
**Audit No:** 169523  
**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:** 08/12/1997  
**Selected Flag:** TRUE  
**Abandonment Rec:**  
**Contractor:** 6844  
**Form Version:** 1  
**Owner:**  
**County:** OTTAWA-CARLETON  
**Lot:**  
**Concession:** 02  
**Concession Name:** OF

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

**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

<b>Bore Hole ID:</b>	10051095	<b>Elevation:</b>	
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	
<b>Code OB Desc:</b>		<b>North83:</b>	
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	9
<b>Date Completed:</b>	03/06/1997	<b>UTMRC Desc:</b>	unknown UTM
<b>Remarks:</b>		<b>Location Method:</b>	na
<b>Location Method Desc:</b>	Not Applicable i.e. no UTM		
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**  
**Materials Interval**

<b>Formation ID:</b>	931073138
<b>Layer:</b>	1
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Material 1:</b>	05
<b>Material 1 Desc:</b>	CLAY
<b>Material 2:</b>	81
<b>Material 2 Desc:</b>	SANDY
<b>Material 3:</b>	01
<b>Material 3 Desc:</b>	FILL
<b>Formation Top Depth:</b>	0.0
<b>Formation End Depth:</b>	5.0
<b>Formation End Depth UOM:</b>	ft

**Overburden and Bedrock**  
**Materials Interval**

<b>Formation ID:</b>	931073139
<b>Layer:</b>	2
<b>Color:</b>	2
<b>General Color:</b>	GREY
<b>Material 1:</b>	05
<b>Material 1 Desc:</b>	CLAY
<b>Material 2:</b>	12
<b>Material 2 Desc:</b>	STONES
<b>Material 3:</b>	
<b>Material 3 Desc:</b>	
<b>Formation Top Depth:</b>	5.0
<b>Formation End Depth:</b>	12.0
<b>Formation End Depth UOM:</b>	ft

**Annular Space/Abandonment**  
**Sealing Record**

<b>Plug ID:</b>	933114573
<b>Layer:</b>	2
<b>Plug From:</b>	3.0

**Plug To:** 5.0  
**Plug Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933114572  
**Layer:** 1  
**Plug From:** 0.0  
**Plug To:** 3.0  
**Plug Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933114574  
**Layer:** 3  
**Plug From:** 5.0  
**Plug To:** 12.0  
**Plug Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961529560  
**Method Construction Code:** 6  
**Method Construction:** Boring  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10599665  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930089190  
**Layer:** 1  
**Material:** 5  
**Open Hole or Material:** PLASTIC  
**Depth From:**  
**Depth To:** 12.0  
**Casing Diameter:** 2.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Screen**

**Screen ID:** 933326719  
**Layer:** 1  
**Slot:** 010  
**Screen Top Depth:** 8.0  
**Screen End Depth:** 13.0  
**Screen Material:**  
**Screen Depth UOM:** ft  
**Screen Diameter UOM:** inch  
**Screen Diameter:** 2.0

**Water Details**

**Water ID:** 933489562  
**Layer:** 1

Kind Code: 5  
Kind: Not stated  
Water Found Depth: 8.0  
Water Found Depth UOM: ft

**Site:**  
con 2 ON

**Database:**  
WWIS

Well ID: 1529333  
Construction Date:  
Use 1st: Commerical  
Use 2nd:  
Final Well Status: Observation Wells  
Water Type:  
Casing Material:  
Audit No: 169508  
Tag:  
Constructn Method:  
Elevation (m):  
Elevatn Reliabilty:  
Depth to Bedrock:  
Well Depth:  
Overburden/Bedrock:  
Pump Rate:  
Static Water Level:  
Clear/Cloudy:  
Municipality: NEPEAN TOWNSHIP  
Site Info:

Flowing (Y/N):  
Flow Rate:  
Data Entry Status:  
Data Src: 1  
Date Received: 02/14/1997  
Selected Flag: TRUE  
Abandonment Rec:  
Contractor: 6844  
Form Version: 1  
Owner:  
County: OTTAWA-CARLETON  
Lot:  
Concession: 02  
Concession Name: OF  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 10050869  
DP2BR:  
Spatial Status:  
Code OB:  
Code OB Desc:  
Open Hole:  
Cluster Kind:  
Date Completed: 12/18/1996  
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: 931072419  
Layer: 2  
Color: 2  
General Color: GREY  
Material 1: 05  
Material 1 Desc: CLAY  
Material 2: 91  
Material 2 Desc: WATER-BEARING  
Material 3:  
Material 3 Desc:  
Formation Top Depth: 5.0  
Formation End Depth: 18.0  
Formation End Depth UOM: ft

**Overburden and Bedrock**  
**Materials Interval**



**Formation ID:** 931072418  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Material 1:** 28  
**Material 1 Desc:** SAND  
**Material 2:** 11  
**Material 2 Desc:** GRAVEL  
**Material 3:** 01  
**Material 3 Desc:** FILL  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 5.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933114308  
**Layer:** 1  
**Plug From:** 0.0  
**Plug To:** 5.0  
**Plug Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933114309  
**Layer:** 2  
**Plug From:** 5.0  
**Plug To:** 7.0  
**Plug Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933114310  
**Layer:** 3  
**Plug From:** 7.0  
**Plug To:** 18.0  
**Plug Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961529333  
**Method Construction Code:** 6  
**Method Construction:** Boring  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10599439  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930088798  
**Layer:** 1  
**Material:** 5  
**Open Hole or Material:** PLASTIC  
**Depth From:**  
**Depth To:** 18.0

Casing Diameter: 2.0  
Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Construction Record - Screen**

Screen ID: 933326681  
Layer: 1  
Slot: 010  
Screen Top Depth: 8.0  
Screen End Depth: 18.0  
Screen Material:  
Screen Depth UOM: ft  
Screen Diameter UOM: inch  
Screen Diameter: 2.0

**Water Details**

Water ID: 933489272  
Layer: 1  
Kind Code: 5  
Kind: Not stated  
Water Found Depth: 15.0  
Water Found Depth UOM: ft

**Site:**

lot 12 ON

Database:  
**WWIS**

Well ID: 1535508  
Construction Date:  
Use 1st:  
Use 2nd:  
Final Well Status:  
Water Type:  
Casing Material:  
Audit No: Z17642  
Tag:  
Constructn Method:  
Elevation (m):  
Elevatn Reliability:  
Depth to Bedrock:  
Well Depth:  
Overburden/Bedrock:  
Pump Rate:  
Static Water Level:  
Clear/Cloudy:  
Municipality: OTTAWA CITY  
Site Info:

Flowing (Y/N):  
Flow Rate:  
Data Entry Status:  
Data Src:  
Date Received: 05/28/2005  
Selected Flag: TRUE  
Abandonment Rec:  
Contractor: 6907  
Form Version: 3  
Owner:  
County: OTTAWA-CARLETON  
Lot: 012  
Concession:  
Concession Name:  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 11316047  
DP2BR:  
Spatial Status:  
Code OB:  
Code OB Desc:  
Open Hole:  
Cluster Kind:  
Date Completed: 05/10/2005  
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:  
East83:  
North83:  
Org CS:  
UTMRC:  
UTMRC Desc:  
Location Method: na

**Method of Construction & Well Use**

**Method Construction ID:** 961535508  
**Method Construction Code:** B  
**Method Construction:** Other Method  
**Other Method Construction:**

**Pipe Information**

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

**Site:**  
con 2 ON

**Database:**  
[WWIS](#)

**Well ID:** 1529561  
**Construction Date:**  
**Use 1st:** Commerical  
**Use 2nd:** Municipal  
**Final Well Status:** Observation Wells  
**Water Type:**  
**Casing Material:**  
**Audit No:** 169526  
**Tag:**  
**Constructn Method:**  
**Elevation (m):**  
**Elevatn Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Clear/Cloudy:**  
**Municipality:** NEPEAN TOWNSHIP  
**Site Info:**

**Flowing (Y/N):**  
**Flow Rate:**  
**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 08/12/1997  
**Selected Flag:** TRUE  
**Abandonment Rec:**  
**Contractor:** 6844  
**Form Version:** 1  
**Owner:**  
**County:** OTTAWA-CARLETON  
**Lot:**  
**Concession:** 02  
**Concession Name:** OF  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10051096  
**DP2BR:**  
**Spatial Status:**  
**Code OB:**  
**Code OB Desc:**  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 02/05/1997  
**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:** 931073141  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY

**Material 1:** 05  
**Material 1 Desc:** CLAY  
**Material 2:** 12  
**Material 2 Desc:** STONES  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 5.0  
**Formation End Depth:** 15.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 931073140  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Material 1:** 05  
**Material 1 Desc:** CLAY  
**Material 2:** 81  
**Material 2 Desc:** SANDY  
**Material 3:** 01  
**Material 3 Desc:** FILL  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 5.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933114575  
**Layer:** 1  
**Plug From:** 0.0  
**Plug To:** 2.0  
**Plug Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933114577  
**Layer:** 3  
**Plug From:** 4.0  
**Plug To:** 15.0  
**Plug Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933114576  
**Layer:** 2  
**Plug From:** 2.0  
**Plug To:** 4.0  
**Plug Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961529561  
**Method Construction Code:** 6  
**Method Construction:** Boring  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10599666

Casing No: 1  
Comment:  
Alt Name:

**Construction Record - Casing**

Casing ID: 930089191  
Layer: 1  
Material: 5  
Open Hole or Material: PLASTIC  
Depth From:  
Depth To: 15.0  
Casing Diameter: 2.0  
Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Construction Record - Screen**

Screen ID: 933326720  
Layer: 1  
Slot: 010  
Screen Top Depth: 5.0  
Screen End Depth: 15.0  
Screen Material:  
Screen Depth UOM: ft  
Screen Diameter UOM: inch  
Screen Diameter: 2.0

**Water Details**

Water ID: 933489563  
Layer: 1  
Kind Code: 5  
Kind: Not stated  
Water Found Depth: 8.0  
Water Found Depth UOM: ft

**Site:**  
lot 12 con 2 ON

**Database:**  
WWIS

Well ID: 1531209  
Construction Date:  
Use 1st: Domestic  
Use 2nd:  
Final Well Status: Water Supply  
Water Type:  
Casing Material:  
Audit No: 208600  
Tag:  
Constructn Method:  
Elevation (m):  
Elevatn Reliabilty:  
Depth to Bedrock:  
Well Depth:  
Overburden/Bedrock:  
Pump Rate:  
Static Water Level:  
Clear/Cloudy:  
Municipality: NEPEAN TOWNSHIP  
Site Info:

Flowing (Y/N):  
Flow Rate:  
Data Entry Status:  
Data Src: 1  
Date Received: 07/17/2000  
Selected Flag: TRUE  
Abandonment Rec:  
Contractor: 1558  
Form Version: 1  
Owner:  
County: OTTAWA-CARLETON  
Lot: 012  
Concession: 02  
Concession Name: CON  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 10052743  
DP2BR:  
Spatial Status:  
Elevation:  
Elevrc:  
Zone: 18

Code OB:  
Code OB Desc:  
Open Hole:  
Cluster Kind:  
Date Completed: 06/08/2000  
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:

East83:  
North83:  
Org CS:  
UTMRC: 9  
UTMRC Desc: unknown UTM  
Location Method: na

**Method of Construction & Well Use**

Method Construction ID: 961531209  
Method Construction Code: 4  
Method Construction: Rotary (Air)  
Other Method Construction:

**Pipe Information**

Pipe ID: 10601313  
Casing No: 1  
Comment:  
Alt Name:

**Results of Well Yield Testing**

Pumping Test Method Desc: PUMP  
Pump Test ID: 991531209  
Pump Set At:  
Static Level: 23.0  
Final Level After Pumping: 75.0  
Recommended Pump Depth: 100.0  
Pumping Rate: 10.0  
Flowing Rate:  
Recommended Pump Rate: 5.0  
Levels UOM: ft  
Rate UOM: GPM  
Water State After Test Code: 2  
Water State After Test: CLOUDY  
Pumping Test Method: 1  
Pumping Duration HR: 1  
Pumping Duration MIN:  
Flowing: No

**Draw Down & Recovery**

Pump Test Detail ID: 934121171  
Test Type: Draw Down  
Test Duration: 15  
Test Level: 125.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934913853  
Test Type: Draw Down  
Test Duration: 60  
Test Level: 125.0  
Test Level UOM: ft



### Draw Down & Recovery

**Pump Test Detail ID:** 934396582  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 125.0  
**Test Level UOM:** ft

### Draw Down & Recovery

**Pump Test Detail ID:** 934665308  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 125.0  
**Test Level UOM:** ft

### Site:

lot 12 con 2 ON

**Database:**  
[WWIS](#)

**Well ID:** 1531208  
**Construction Date:**  
**Use 1st:** Domestic  
**Use 2nd:**  
**Final Well Status:** Water Supply  
**Water Type:**  
**Casing Material:**  
**Audit No:** 208601  
**Tag:**  
**Constructn Method:**  
**Elevation (m):**  
**Elevatn Reliability:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Clear/Cloudy:**  
**Municipality:** NEPEAN TOWNSHIP  
**Site Info:**

**Flowing (Y/N):**  
**Flow Rate:**  
**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 07/17/2000  
**Selected Flag:** TRUE  
**Abandonment Rec:**  
**Contractor:** 1558  
**Form Version:** 1  
**Owner:**  
**County:** OTTAWA-CARLETON  
**Lot:** 012  
**Concession:** 02  
**Concession Name:** CON  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

### Bore Hole Information

**Bore Hole ID:** 10052742  
**DP2BR:**  
**Spatial Status:**  
**Code OB:**  
**Code OB Desc:**  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 06/08/2000  
**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:** 931077833  
**Layer:** 1  
**Color:**  
**General Color:**  
**Material 1:** 00

**Material 1 Desc:** UNKNOWN TYPE  
**Material 2:**  
**Material 2 Desc:**  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 60.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**

**Materials Interval**

**Formation ID:** 931077834  
**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:** 60.0  
**Formation End Depth:** 130.0  
**Formation End Depth UOM:** ft

**Method of Construction & Well**

**Use**

**Method Construction ID:** 961531208  
**Method Construction Code:** 4  
**Method Construction:** Rotary (Air)  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10601312  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930092211  
**Layer:** 1  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:**  
**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:** 991531208  
**Pump Set At:**  
**Static Level:** 20.0  
**Final Level After Pumping:** 60.0  
**Recommended Pump Depth:** 100.0  
**Pumping Rate:** 10.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 5.0  
**Levels UOM:** ft  
**Rate UOM:** GPM

**Water State After Test Code:** 2  
**Water State After Test:** CLOUDY  
**Pumping Test Method:** 1  
**Pumping Duration HR:** 1  
**Pumping Duration MIN:**  
**Flowing:** No

**Draw Down & Recovery**

**Pump Test Detail ID:** 934121170  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 125.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934665307  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 110.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934396581  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 125.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934913852  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 60.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933491572  
**Layer:** 1  
**Kind Code:** 5  
**Kind:** Not stated  
**Water Found Depth:** 121.0  
**Water Found Depth UOM:** ft

**Site:**  
con 2 ON

**Database:**  
WWIS

**Well ID:** 1529332  
**Construction Date:**  
**Use 1st:** Commerical  
**Use 2nd:**  
**Final Well Status:** Observation Wells  
**Water Type:**  
**Casing Material:**  
**Audit No:** 169509  
**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:** 02/14/1997  
**Selected Flag:** TRUE  
**Abandonment Rec:**  
**Contractor:** 6844  
**Form Version:** 1  
**Owner:**  
**County:** OTTAWA-CARLETON  
**Lot:**  
**Concession:** 02  
**Concession Name:** OF

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

**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10050868  
**DP2BR:**  
**Spatial Status:**  
**Code OB:**  
**Code OB Desc:**  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 12/18/1996  
**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:** 931072417  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Material 1:** 05  
**Material 1 Desc:** CLAY  
**Material 2:** 91  
**Material 2 Desc:** WATER-BEARING  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 2.0  
**Formation End Depth:** 15.0  
**Formation End Depth UOM:** ft

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 931072416  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Material 1:** 05  
**Material 1 Desc:** CLAY  
**Material 2:** 02  
**Material 2 Desc:** TOPSOIL  
**Material 3:** 01  
**Material 3 Desc:** FILL  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 2.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment**  
**Sealing Record**

**Plug ID:** 933114306  
**Layer:** 1  
**Plug From:** 0.0

**Plug To:** 3.0  
**Plug Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933114307  
**Layer:** 2  
**Plug From:** 3.0  
**Plug To:** 15.0  
**Plug Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961529332  
**Method Construction Code:** 6  
**Method Construction:** Boring  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10599438  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930088797  
**Layer:** 1  
**Material:** 5  
**Open Hole or Material:** PLASTIC  
**Depth From:**  
**Depth To:** 15.0  
**Casing Diameter:** 2.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Screen**

**Screen ID:** 933326680  
**Layer:** 1  
**Slot:** 010  
**Screen Top Depth:** 5.0  
**Screen End Depth:** 15.0  
**Screen Material:**  
**Screen Depth UOM:** ft  
**Screen Diameter UOM:** inch  
**Screen Diameter:** 2.0

**Water Details**

**Water ID:** 933489271  
**Layer:** 1  
**Kind Code:** 5  
**Kind:** Not stated  
**Water Found Depth:** 10.0  
**Water Found Depth UOM:** ft

**Site:**  
con 2 ON

**Database:**  
WWIS

**Well ID:** 1529331

**Flowing (Y/N):**

**Construction Date:**  
**Use 1st:** Commerical  
**Use 2nd:**  
**Final Well Status:** Observation Wells  
**Water Type:**  
**Casing Material:**  
**Audit No:** 169510  
**Tag:**  
**Constructn Method:**  
**Elevation (m):**  
**Elevatn Reliabilty:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Clear/Cloudy:**  
**Municipality:** NEPEAN TOWNSHIP  
**Site Info:**

**Flow Rate:**  
**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 02/14/1997  
**Selected Flag:** TRUE  
**Abandonment Rec:**  
**Contractor:** 6844  
**Form Version:** 1  
**Owner:**  
**County:** OTTAWA-CARLETON  
**Lot:**  
**Concession:** 02  
**Concession Name:** OF  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

#### Bore Hole Information

**Bore Hole ID:** 10050867  
**DP2BR:**  
**Spatial Status:**  
**Code OB:**  
**Code OB Desc:**  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 12/18/1996  
**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:** 931072415  
**Layer:** 2  
**Color:** 2  
**General Color:** GREY  
**Material 1:** 05  
**Material 1 Desc:** CLAY  
**Material 2:** 91  
**Material 2 Desc:** WATER-BEARING  
**Material 3:**  
**Material 3 Desc:**  
**Formation Top Depth:** 2.0  
**Formation End Depth:** 19.0  
**Formation End Depth UOM:** ft

#### Overburden and Bedrock Materials Interval

**Formation ID:** 931072414  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Material 1:** 05  
**Material 1 Desc:** CLAY  
**Material 2:** 02  
**Material 2 Desc:** TOPSOIL



**Material 3:** 01  
**Material 3 Desc:** FILL  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 2.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933114305  
**Layer:** 2  
**Plug From:** 5.0  
**Plug To:** 19.0  
**Plug Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933114304  
**Layer:** 1  
**Plug From:** 0.0  
**Plug To:** 5.0  
**Plug Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961529331  
**Method Construction Code:** 6  
**Method Construction:** Boring  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10599437  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930088796  
**Layer:** 1  
**Material:** 5  
**Open Hole or Material:** PLASTIC  
**Depth From:**  
**Depth To:** 19.0  
**Casing Diameter:** 2.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Screen**

**Screen ID:** 933326679  
**Layer:** 1  
**Slot:** 010  
**Screen Top Depth:** 9.0  
**Screen End Depth:** 19.0  
**Screen Material:**  
**Screen Depth UOM:** ft  
**Screen Diameter UOM:** inch  
**Screen Diameter:** 2.0

**Water Details**

Water ID: 933489270  
Layer: 1  
Kind Code: 5  
Kind: Not stated  
Water Found Depth: 9.0  
Water Found Depth UOM: ft

**Site:**  
lot 12 ON

**Database:**  
WWIS

Well ID:	1523196	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:		Data Entry Status:	
Use 2nd:		Data Src:	1
Final Well Status:		Date Received:	01/09/1989
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:	39047	Contractor:	5222
Tag:		Form Version:	1
Constructn Method:		Owner:	
Elevation (m):		County:	OTTAWA-CARLETON
Elevatn Reliabilty:		Lot:	012
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:	NEPEAN TOWNSHIP		
Site Info:			

**Bore Hole Information**

Bore Hole ID:	10044999	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	
Code OB Desc:		North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	07/15/1988	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: 931053866  
Layer: 2  
Color: 2  
General Color: GREY  
Material 1: 15  
Material 1 Desc: LIMESTONE  
Material 2: 18  
Material 2 Desc: SANDSTONE  
Material 3: 73  
Material 3 Desc: HARD  
Formation Top Depth: 8.0  
Formation End Depth: 78.0  
Formation End Depth UOM: ft

**Overburden and Bedrock**  
**Materials Interval**

**Formation ID:** 931053865  
**Layer:** 1  
**Color:** 6  
**General Color:** BROWN  
**Material 1:** 05  
**Material 1 Desc:** CLAY  
**Material 2:** 01  
**Material 2 Desc:** FILL  
**Material 3:** 79  
**Material 3 Desc:** PACKED  
**Formation Top Depth:** 0.0  
**Formation End Depth:** 8.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment**  
**Sealing Record**

**Plug ID:** 933110155  
**Layer:** 1  
**Plug From:** 0.0  
**Plug To:** 21.0  
**Plug Depth UOM:** ft

**Method of Construction & Well**  
**Use**

**Method Construction ID:** 961523196  
**Method Construction Code:** 5  
**Method Construction:** Air Percussion  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10593569  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930078707  
**Layer:** 2  
**Material:** 4  
**Open Hole or Material:** OPEN HOLE  
**Depth From:**  
**Depth To:** 78.0  
**Casing Diameter:** 6.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Casing**

**Casing ID:** 930078706  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 22.0  
**Casing Diameter:** 6.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

### Results of Well Yield Testing

**Pumping Test Method Desc:** PUMP  
**Pump Test ID:** 991523196  
**Pump Set At:**  
**Static Level:** 8.0  
**Final Level After Pumping:** 50.0  
**Recommended Pump Depth:** 50.0  
**Pumping Rate:** 20.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 20.0  
**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

### Draw Down & Recovery

**Pump Test Detail ID:** 934104365  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 50.0  
**Test Level UOM:** ft

### Draw Down & Recovery

**Pump Test Detail ID:** 934649580  
**Test Type:** Draw Down  
**Test Duration:** 45  
**Test Level:** 50.0  
**Test Level UOM:** ft

### Draw Down & Recovery

**Pump Test Detail ID:** 934906781  
**Test Type:** Draw Down  
**Test Duration:** 60  
**Test Level:** 50.0  
**Test Level UOM:** ft

### Draw Down & Recovery

**Pump Test Detail ID:** 934388597  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 50.0  
**Test Level UOM:** ft

### Water Details

**Water ID:** 933481373  
**Layer:** 3  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 72.0  
**Water Found Depth UOM:** ft

### Water Details

**Water ID:** 933481372

Layer: 2  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 56.0  
Water Found Depth UOM: ft

**Water Details**

Water ID: 933481371  
Layer: 1  
Kind Code: 1  
Kind: FRESH  
Water Found Depth: 40.0  
Water Found Depth UOM: ft

**Site:**  
lot 13 ON

**Database:**  
**WWIS**

Well ID: 1520666  
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: OTTAWA CITY  
Site Info:

Flowing (Y/N):  
Flow Rate:  
Data Entry Status:  
Data Src: 1  
Date Received: 08/08/1986  
Selected Flag: TRUE  
Abandonment Rec:  
Contractor: 1517  
Form Version: 1  
Owner:  
County: OTTAWA-CARLETON  
Lot: 013  
Concession:  
Concession Name:  
Easting NAD83:  
Northing NAD83:  
Zone:  
UTM Reliability:

**Bore Hole Information**

Bore Hole ID: 10042508  
DP2BR:  
Spatial Status:  
Code OB:  
Code OB Desc:  
Open Hole:  
Cluster Kind:  
Date Completed: 07/17/1986  
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: 931045467  
Layer: 1  
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:** 0.0  
**Formation End Depth:** 75.0  
**Formation End Depth UOM:** ft

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 933109179  
**Layer:** 1  
**Plug From:** 0.0  
**Plug To:** 30.0  
**Plug Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961520666  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10591078  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930074202  
**Layer:** 1  
**Material:** 1  
**Open Hole or Material:** STEEL  
**Depth From:**  
**Depth To:** 30.0  
**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:** 991520666  
**Pump Set At:**  
**Static Level:** 1.0  
**Final Level After Pumping:** 40.0  
**Recommended Pump Depth:** 60.0  
**Pumping Rate:** 20.0  
**Flowing Rate:**  
**Recommended Pump Rate:** 70.0  
**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:** 934907199  
**Test Type:**  
**Test Duration:** 60  
**Test Level:** 40.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934112552  
**Test Type:**  
**Test Duration:** 15  
**Test Level:** 20.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934387835  
**Test Type:**  
**Test Duration:** 30  
**Test Level:** 30.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934648438  
**Test Type:**  
**Test Duration:** 45  
**Test Level:** 35.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933477982  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 72.0  
**Water Found Depth UOM:** ft

**Site:**  
**lot 12 ON**

**Database:**  
**WWIS**

**Well ID:** 1520054  
**Construction Date:**  
**Use 1st:** Domestic  
**Use 2nd:**  
**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:** NEPEAN TOWNSHIP  
**Site Info:**

**Flowing (Y/N):**  
**Flow Rate:**  
**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 10/02/1985  
**Selected Flag:** TRUE  
**Abandonment Rec:**  
**Contractor:** 1505  
**Form Version:** 1  
**Owner:**  
**County:** OTTAWA-CARLETON  
**Lot:** 012  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

<b>Bore Hole ID:</b>	10041904	<b>Elevation:</b>	
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	
<b>Code OB Desc:</b>		<b>North83:</b>	
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	9
<b>Date Completed:</b>	07/08/1985	<b>UTMRC Desc:</b>	unknown UTM
<b>Remarks:</b>		<b>Location Method:</b>	na
<b>Location Method Desc:</b>	Not Applicable i.e. no UTM		
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**  
**Materials Interval**

<b>Formation ID:</b>	931043594
<b>Layer:</b>	6
<b>Color:</b>	2
<b>General Color:</b>	GREY
<b>Material 1:</b>	15
<b>Material 1 Desc:</b>	LIMESTONE
<b>Material 2:</b>	26
<b>Material 2 Desc:</b>	ROCK
<b>Material 3:</b>	73
<b>Material 3 Desc:</b>	HARD
<b>Formation Top Depth:</b>	68.0
<b>Formation End Depth:</b>	75.0
<b>Formation End Depth UOM:</b>	ft

**Overburden and Bedrock**  
**Materials Interval**

<b>Formation ID:</b>	931043591
<b>Layer:</b>	3
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Material 1:</b>	05
<b>Material 1 Desc:</b>	CLAY
<b>Material 2:</b>	79
<b>Material 2 Desc:</b>	PACKED
<b>Material 3:</b>	
<b>Material 3 Desc:</b>	
<b>Formation Top Depth:</b>	2.0
<b>Formation End Depth:</b>	14.0
<b>Formation End Depth UOM:</b>	ft

**Overburden and Bedrock**  
**Materials Interval**

<b>Formation ID:</b>	931043589
<b>Layer:</b>	1
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Material 1:</b>	01
<b>Material 1 Desc:</b>	FILL
<b>Material 2:</b>	77
<b>Material 2 Desc:</b>	LOOSE
<b>Material 3:</b>	79
<b>Material 3 Desc:</b>	PACKED
<b>Formation Top Depth:</b>	0.0
<b>Formation End Depth:</b>	1.0

Formation End Depth UOM: ft

**Overburden and Bedrock**  
**Materials Interval**

Formation ID: 931043590  
Layer: 2  
Color: 6  
General Color: BROWN  
Material 1: 06  
Material 1 Desc: SILT  
Material 2: 28  
Material 2 Desc: SAND  
Material 3: 79  
Material 3 Desc: PACKED  
Formation Top Depth: 1.0  
Formation End Depth: 2.0  
Formation End Depth UOM: ft

**Overburden and Bedrock**  
**Materials Interval**

Formation ID: 931043592  
Layer: 4  
Color: 2  
General Color: GREY  
Material 1: 05  
Material 1 Desc: CLAY  
Material 2: 13  
Material 2 Desc: BOULDERS  
Material 3: 60  
Material 3 Desc: CEMENTED  
Formation Top Depth: 14.0  
Formation End Depth: 60.0  
Formation End Depth UOM: ft

**Overburden and Bedrock**  
**Materials Interval**

Formation ID: 931043593  
Layer: 5  
Color: 2  
General Color: GREY  
Material 1: 26  
Material 1 Desc: ROCK  
Material 2: 11  
Material 2 Desc: GRAVEL  
Material 3: 71  
Material 3 Desc: FRACTURED  
Formation Top Depth: 60.0  
Formation End Depth: 68.0  
Formation End Depth UOM: ft

**Method of Construction & Well**  
**Use**

Method Construction ID: 961520054  
Method Construction Code: 4  
Method Construction: Rotary (Air)  
Other Method Construction:

**Pipe Information**

Pipe ID: 10590474  
Casing No: 1  
Comment:

Alt Name:

**Construction Record - Casing**

Casing ID: 930073157  
Layer: 1  
Material: 1  
Open Hole or Material: STEEL  
Depth From:  
Depth To: 73.0  
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: 991520054  
Pump Set At:  
Static Level: 0.0  
Final Level After Pumping: 30.0  
Recommended Pump Depth: 35.0  
Pumping Rate: 50.0  
Flowing Rate:  
Recommended Pump Rate: 50.0  
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: 934110332  
Test Type:  
Test Duration: 15  
Test Level: 30.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934376714  
Test Type:  
Test Duration: 30  
Test Level: 30.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934655465  
Test Type:  
Test Duration: 45  
Test Level: 30.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934904434  
Test Type:  
Test Duration: 60  
Test Level: 30.0  
Test Level UOM: ft

### Water Details

**Water ID:** 933477202  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 65.0  
**Water Found Depth UOM:** ft

### Site:

lot 13 ON

**Database:**  
**WWIS**

**Well ID:** 1517753  
**Construction Date:**  
**Use 1st:** Domestic  
**Use 2nd:**  
**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:** NEPEAN TOWNSHIP  
**Site Info:**

**Flowing (Y/N):**  
**Flow Rate:**  
**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 03/18/1982  
**Selected Flag:** TRUE  
**Abandonment Rec:**  
**Contractor:** 1558  
**Form Version:** 1  
**Owner:**  
**County:** OTTAWA-CARLETON  
**Lot:** 013  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

### Bore Hole Information

**Bore Hole ID:** 10039625  
**DP2BR:**  
**Spatial Status:**  
**Code OB:**  
**Code OB Desc:**  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 02/23/1982  
**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:** 931036221  
**Layer:** 4  
**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:** 75.0

Formation End Depth: 175.0  
Formation End Depth UOM: ft

**Overburden and Bedrock  
Materials Interval**

Formation ID: 931036220  
Layer: 3  
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: 55.0  
Formation End Depth: 75.0  
Formation End Depth UOM: ft

**Overburden and Bedrock  
Materials Interval**

Formation ID: 931036219  
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: 5.0  
Formation End Depth: 55.0  
Formation End Depth UOM: ft

**Overburden and Bedrock  
Materials Interval**

Formation ID: 931036218  
Layer: 1  
Color: 7  
General Color: RED  
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: 5.0  
Formation End Depth UOM: ft

**Method of Construction & Well  
Use**

Method Construction ID: 961517753  
Method Construction Code: 5  
Method Construction: Air Percussion  
Other Method Construction:

**Pipe Information**

Pipe ID: 10588195  
Casing No: 1



Comment:  
Alt Name:

**Construction Record - Casing**

Casing ID: 930069265  
Layer: 1  
Material: 1  
Open Hole or Material: STEEL  
Depth From:  
Depth To: 76.0  
Casing Diameter: 6.0  
Casing Diameter UOM: inch  
Casing Depth UOM: ft

**Construction Record - Casing**

Casing ID: 930069266  
Layer: 2  
Material: 4  
Open Hole or Material: OPEN HOLE  
Depth From:  
Depth To: 175.0  
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: 991517753  
Pump Set At:  
Static Level: 50.0  
Final Level After Pumping: 100.0  
Recommended Pump Depth: 165.0  
Pumping Rate: 25.0  
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: 934646421  
Test Type: Draw Down  
Test Duration: 45  
Test Level: 100.0  
Test Level UOM: ft

**Draw Down & Recovery**

Pump Test Detail ID: 934895696  
Test Type: Draw Down  
Test Duration: 60  
Test Level: 100.0  
Test Level UOM: ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934376585  
**Test Type:** Draw Down  
**Test Duration:** 30  
**Test Level:** 100.0  
**Test Level UOM:** ft

**Draw Down & Recovery**

**Pump Test Detail ID:** 934102965  
**Test Type:** Draw Down  
**Test Duration:** 15  
**Test Level:** 100.0  
**Test Level UOM:** ft

**Water Details**

**Water ID:** 933474291  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 85.0  
**Water Found Depth UOM:** ft

**Site:**  
con 2 ON

**Database:**  
WWIS

**Well ID:** 1529562  
**Construction Date:**  
**Use 1st:** Commerical  
**Use 2nd:**  
**Final Well Status:** Observation Wells  
**Water Type:**  
**Casing Material:**  
**Audit No:** 169530  
**Tag:**  
**Constructn Method:**  
**Elevation (m):**  
**Elevatn Reliabilty:**  
**Depth to Bedrock:**  
**Well Depth:**  
**Overburden/Bedrock:**  
**Pump Rate:**  
**Static Water Level:**  
**Clear/Cloudy:**  
**Municipality:** NEPEAN TOWNSHIP  
**Site Info:**

**Flowing (Y/N):**  
**Flow Rate:**  
**Data Entry Status:**  
**Data Src:** 1  
**Date Received:** 08/12/1997  
**Selected Flag:** TRUE  
**Abandonment Rec:**  
**Contractor:** 6844  
**Form Version:** 1  
**Owner:**  
**County:** OTTAWA-CARLETON  
**Lot:**  
**Concession:** 02  
**Concession Name:** OF  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**Bore Hole Information**

**Bore Hole ID:** 10051097  
**DP2BR:**  
**Spatial Status:**  
**Code OB:**  
**Code OB Desc:**  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 02/04/1997  
**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: 931073143  
Layer: 2  
Color: 2  
General Color: GREY  
Material 1: 05  
Material 1 Desc: CLAY  
Material 2: 12  
Material 2 Desc: STONES  
Material 3:  
Material 3 Desc:  
Formation Top Depth: 5.0  
Formation End Depth: 10.0  
Formation End Depth UOM: ft

**Overburden and Bedrock**  
**Materials Interval**

Formation ID: 931073142  
Layer: 1  
Color: 6  
General Color: BROWN  
Material 1: 34  
Material 1 Desc: TILL  
Material 2: 81  
Material 2 Desc: SANDY  
Material 3: 11  
Material 3 Desc: GRAVEL  
Formation Top Depth: 0.0  
Formation End Depth: 5.0  
Formation End Depth UOM: ft

**Annular Space/Abandonment**  
**Sealing Record**

Plug ID: 933114580  
Layer: 3  
Plug From: 3.0  
Plug To: 10.0  
Plug Depth UOM: ft

**Annular Space/Abandonment**  
**Sealing Record**

Plug ID: 933114578  
Layer: 1  
Plug From: 0.0  
Plug To: 1.0  
Plug Depth UOM: ft

**Annular Space/Abandonment**  
**Sealing Record**

Plug ID: 933114579  
Layer: 2  
Plug From: 1.0  
Plug To: 3.0  
Plug Depth UOM: ft

**Method of Construction & Well**  
**Use**

Method Construction ID: 961529562  
Method Construction Code: 6

**Method Construction:** Boring  
**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 10599667  
**Casing No:** 1  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 930089192  
**Layer:** 1  
**Material:** 5  
**Open Hole or Material:** PLASTIC  
**Depth From:**  
**Depth To:** 10.0  
**Casing Diameter:** 1.0  
**Casing Diameter UOM:** inch  
**Casing Depth UOM:** ft

**Construction Record - Screen**

**Screen ID:** 933326721  
**Layer:** 1  
**Slot:** 010  
**Screen Top Depth:** 5.0  
**Screen End Depth:** 10.0  
**Screen Material:**  
**Screen Depth UOM:** ft  
**Screen Diameter UOM:** inch  
**Screen Diameter:** 1.0

**Water Details**

**Water ID:** 933489564  
**Layer:** 1  
**Kind Code:** 5  
**Kind:** Not stated  
**Water Found Depth:** 8.0  
**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 - Jun 30, 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 - Jun 30, 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 CO<sub>2</sub> 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 is 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](http://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 - Jun 30, 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 ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

**Government Publication Date: Oct 2011 - Jun 30, 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 ERIS's Private Source Database section, by the CA number.

**Government Publication Date: Up to Oct 1990\***

**Water Well Information System:**

Provincial

[WWIS](#)

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

**Government Publication Date: Dec 31 2023**

# Definitions

**Database Descriptions:** This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

**Detail Report:** This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

**Distance:** The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

**Direction:** The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

**Elevation:** The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

**Executive Summary:** This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

**Map Key:** The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

**Unplottables:** These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

# **APPENDIX 3**

## **QUALIFICATIONS OF ASSESSORS**



# PATERSON GROUP

solution oriented engineering



## **Mark S. D'Arcy, P.Eng., QP<sub>ESA</sub>** **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.