PATERSON GROUP

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^2 (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 28th, 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:

<u>320 Bren-Maur Road West</u>

- ❑ 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$_{ESA}$

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

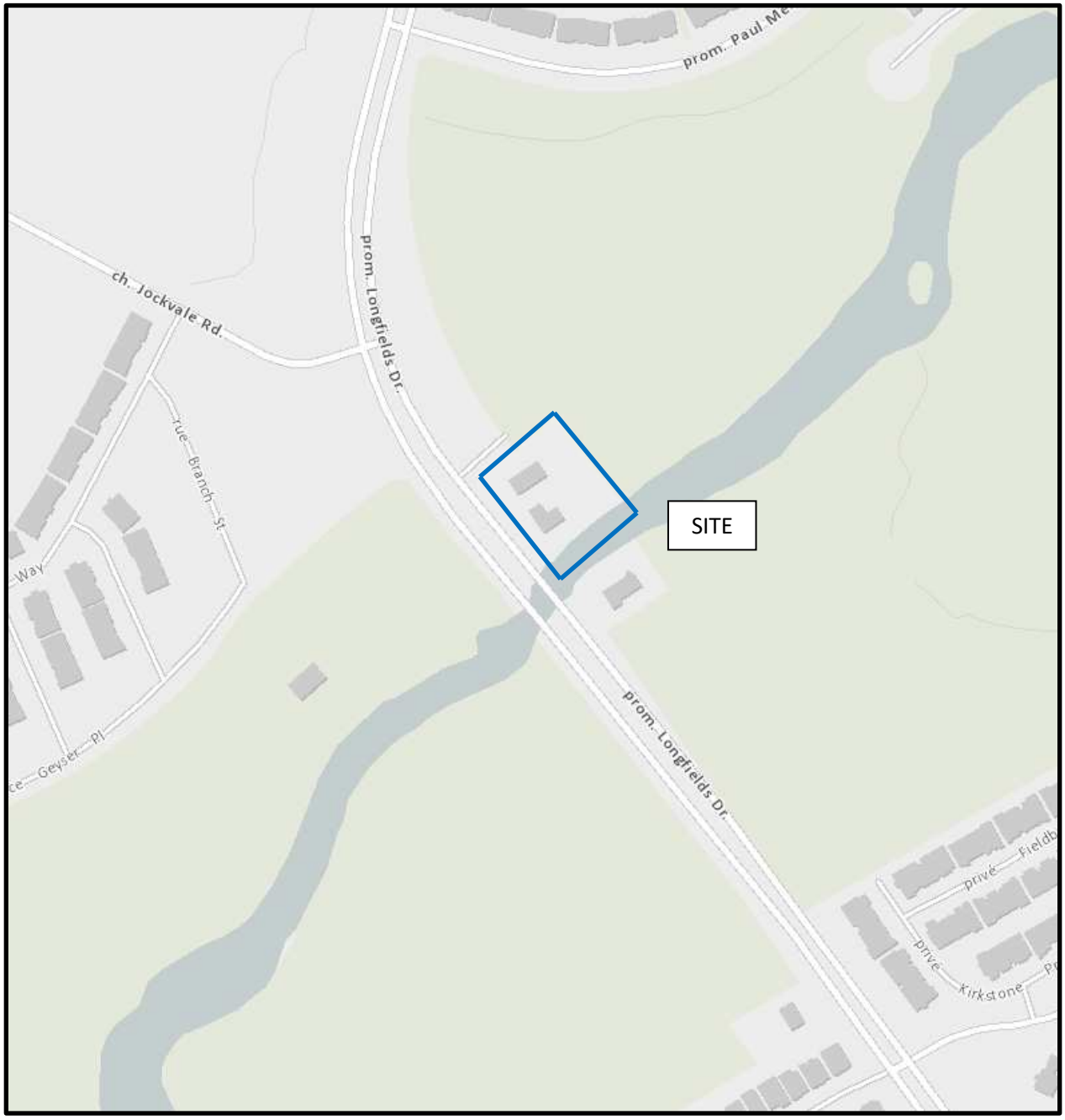


FIGURE 1

KEY PLAN

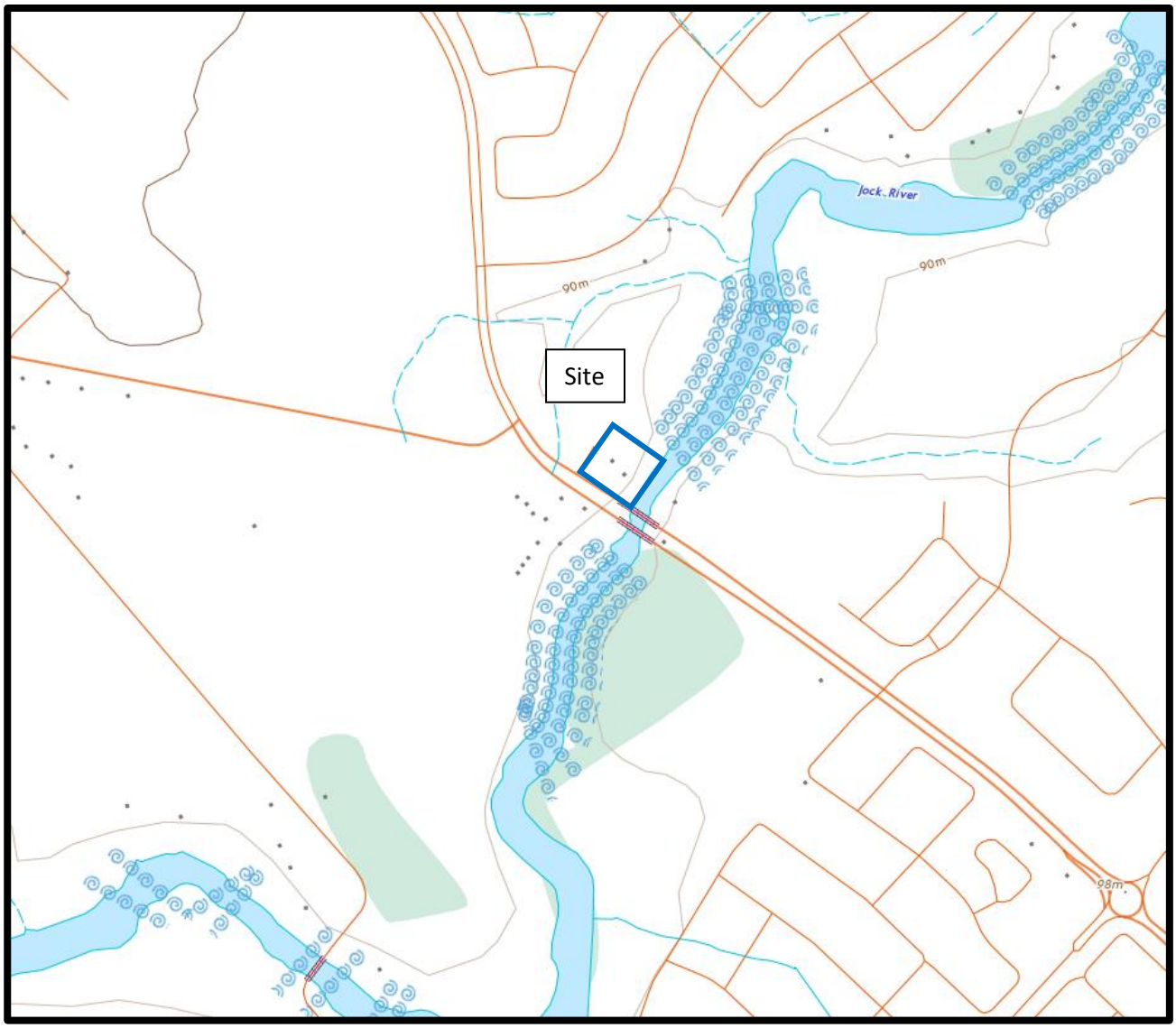


FIGURE 2

TOPOGRAPHIC MAP

2436 LONGFIELDS DRIVE
VACANT

APPROXIMATE LOCATION
OF SEPTIC BEDS

2436 LONGFIELDS DRIVE
PARKLAND

211 BREN-MAUR ROAD
STORMWATER MANAGEMENT POND

LANDSCAPED

TREED

JOCK RIVER

2416 LONGFIELDS DRIVE
RESIDENTIAL

BREN-MAUR ROAD WEST

320 BREN-MAUR ROAD W
RESIDENTIAL

STORAGE
SHED

2402 LONGFIELDS
DRIVE
RESIDENTIAL

ASPHALTIC
CONCRETE

ASPHALTIC
CONCRETE

LANDSCAPED

LONGFIELDS DRIVE

LONGFIELDS DRIVE

SCALE: 1:600

0 5 10 15 20 25 30m

2393 LONGFIELDS DRIVE
VACANT

2451 LONGFIELDS DRIVE
VACANT

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

NO.	REVISIONS	DATE	INITIAL

UNIFORM DEVELOPMENTS LTD.

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
320 BREN-MAUR ROAD WEST AND 2402 LONGFIELDS DRIVE

OTTAWA, ONTARIO

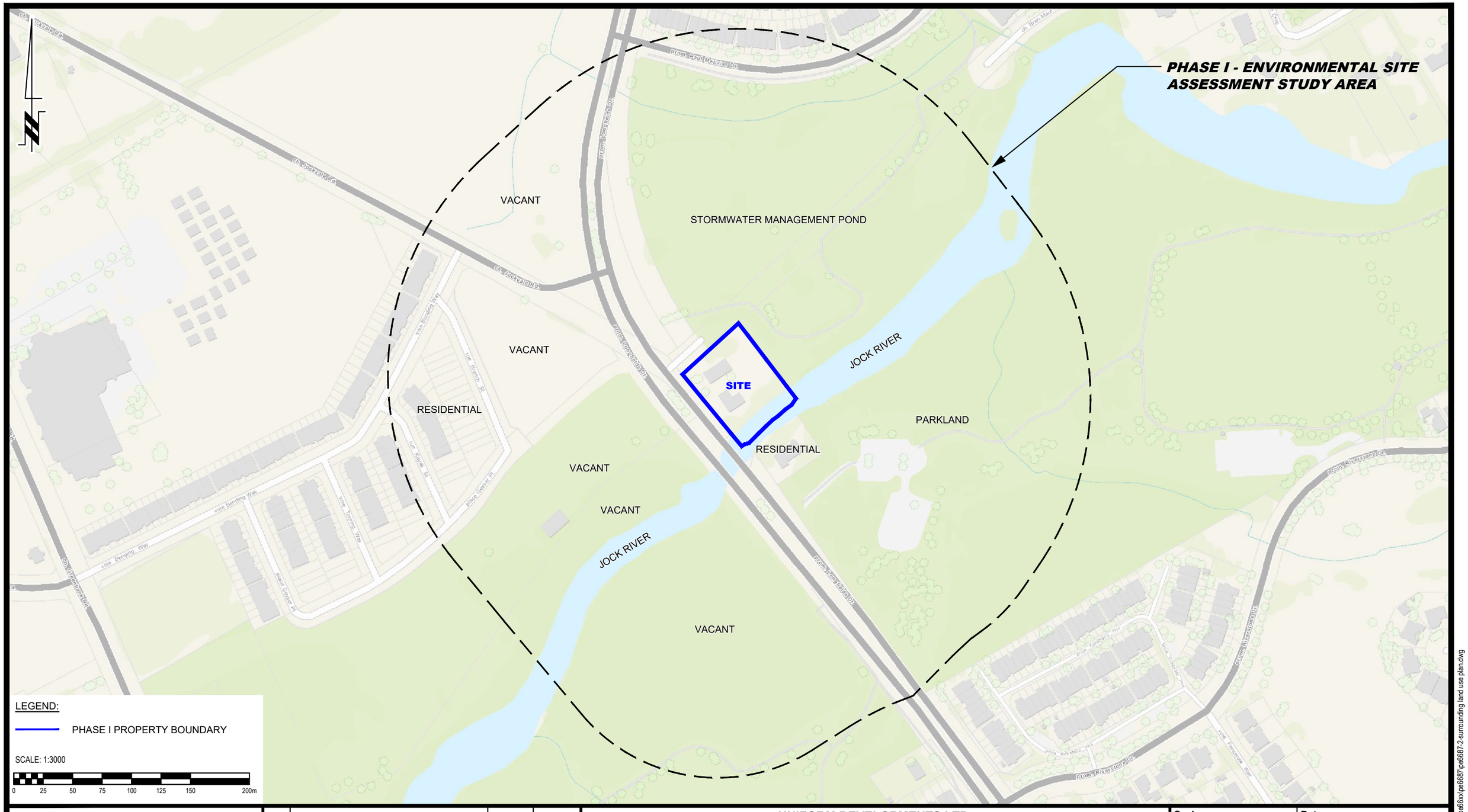
Title:

SITE PLAN

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.:

11x17

p:\autocad drawings\environmental\pe66xx\pe6687\pe6687-1-site plan.dwg



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

NO.	REVISIONS	DATE	INITIAL

UNIFORM DEVELOPMENTS LTD.

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
320 BREN-MAUR ROAD WEST AND 2402 LONGFIELDS DRIVE
OTTAWA, ONTARIO

Title:
SURROUNDING LAND USE PLAN

Scale: 1:3000	Date: 08/2025
Drawn by: YA	Report No.: PE6687-2
Checked by: ANB	Dwg. No.: PE6687-2
Approved by: MSD	Revision No.:

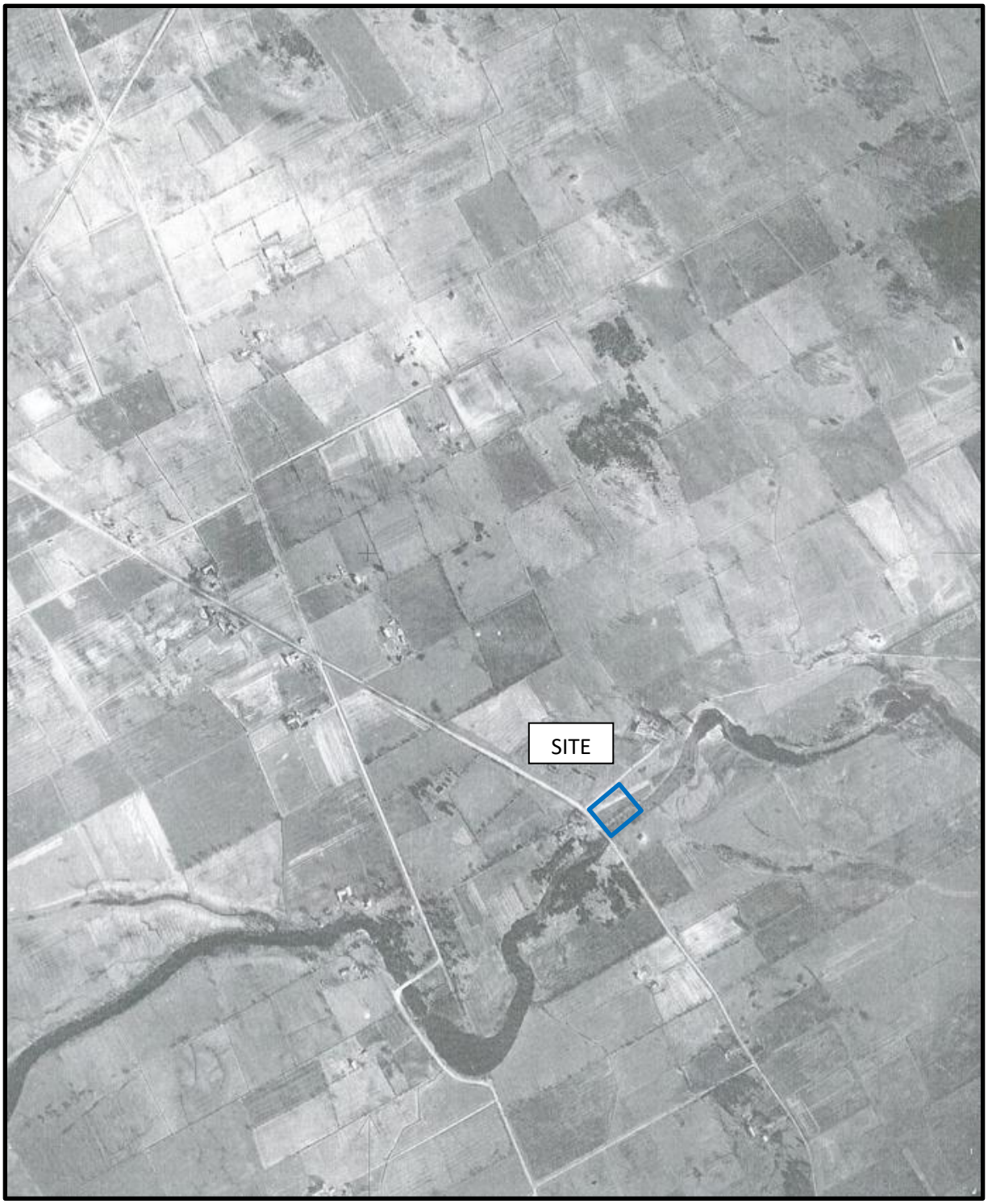
11x17

p:\autocad drawings\environmental\pe66xx\pe6687\pe6687-2-surrounding land use plan.dwg

APPENDIX 1

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS



AERIAL PHOTOGRAPH
1954

PATERSON GROUP

AERIAL PHOTOGRAPH
1968

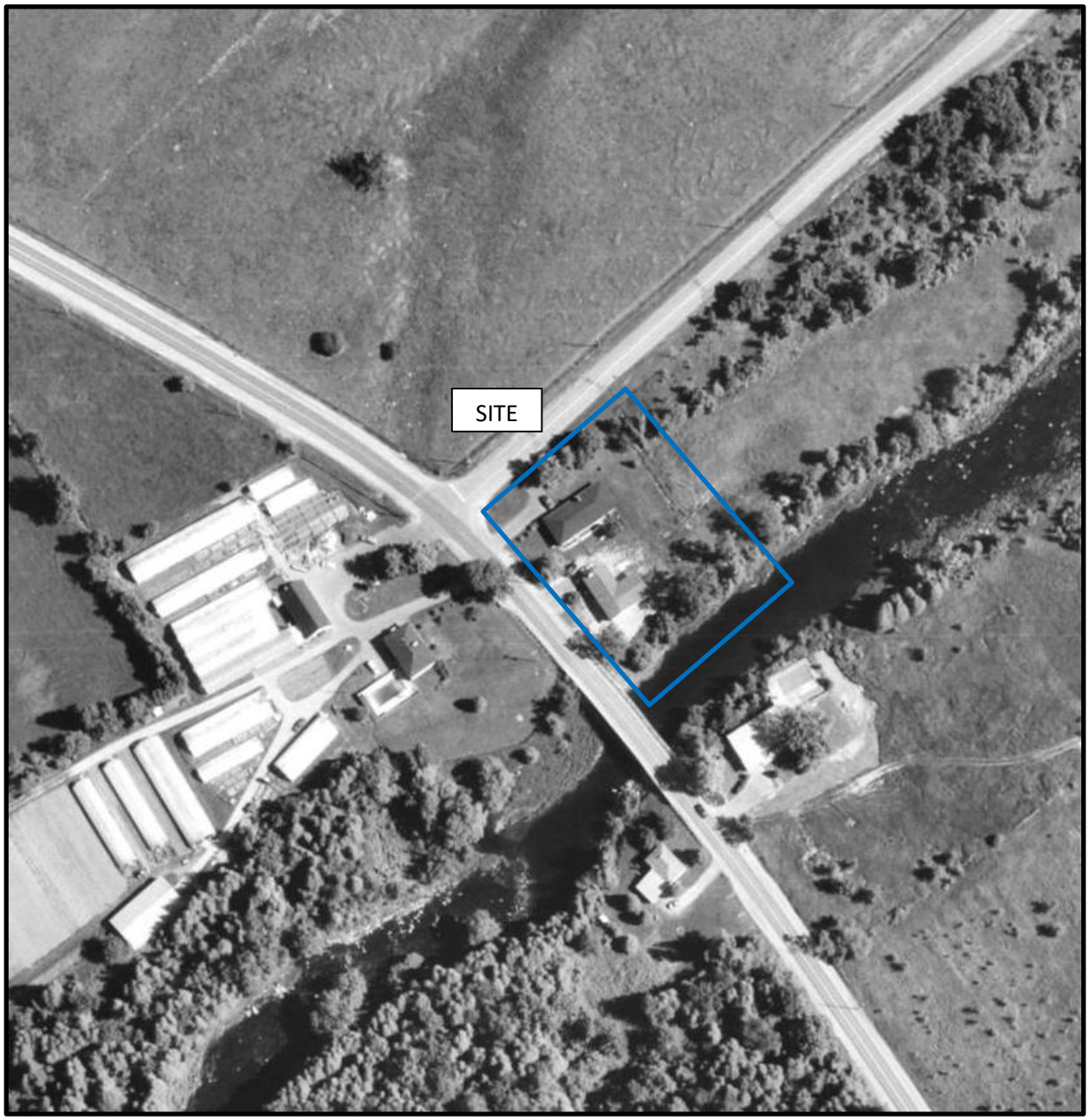
PATERSON GROUP

AERIAL PHOTOGRAPH
1976

PATERSON GROUP

AERIAL PHOTOGRAPH
1984

PATERSON GROUP



AERIAL PHOTOGRAPH
1991

PATERSON GROUP

AERIAL PHOTOGRAPH
2002

PATERSON GROUP

AERIAL PHOTOGRAPH
2011

PATERSON GROUP

AERIAL PHOTOGRAPH
2025

PATERSON GROUP

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

Ministry of the Environment, Conservation and Parks

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

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

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

Ontario

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.

Yours truly,

Shannon Neita

for
Josephine DeSouza
Manager, Access and Privacy Office

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

The Ontario Water Resources Commission Act

WATER WELL RECORD

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

Con. 11 R.F. Lot 12 Date completed 7 January 1963 (day month year) 1963

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
with 1 1/2" Packer

Well Log / **Water Record**

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Clay & 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 Falaise Road, Ottawa 5, Ont.

Licence Number 474

Name of Driller or Borer J. Moore

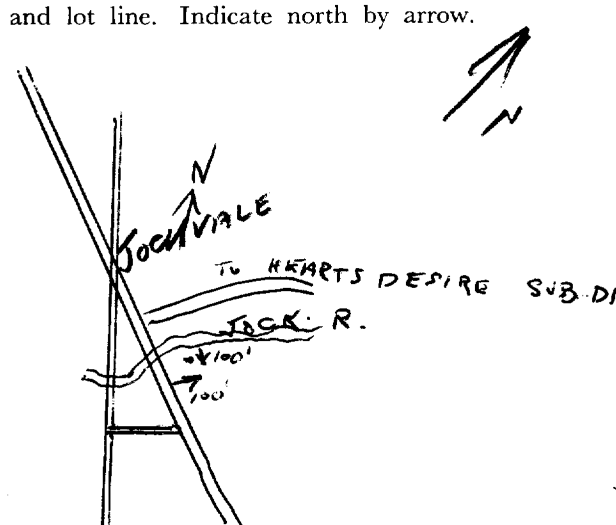
Address RR#1 Kars, Ontario.

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

Ontario Ministry of the Environment

Well Tag Number (Place sticker and print number below)

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

Instructions for Completing Form

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

Ministry Use Only

MUN | CON | LOT

Well Owner's Information and Location of Well Information

First Name	Last Name	Mailing Address (Street Number/Name, RR, Lot, Concession)
City of	Ottawa	110 Lawrier Ave. West

County/District/Municipality	Township/City/Town/Village	Province	Postal Code	Telephone Number (include area code)
Ottawa	Ottawa	Ontario	K1P 1J1	613-580-2424

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
City of Ottawa	Former Napean	12	2

RR#/Street Number/Name	City/Town/Village	Site/Compartment/Block/Tract etc.
North of Bren-Mawr Rd 261 Bren Mawr	Ottawa	

GPS Reading	NAD	Zone	Easting	Northing	Unit Make/Model	Mode of Operation
	83	18	442532	5012607	Sportstrack	NAD

Mode of Operation: ☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To
	Abandone 4 inch Diam Drilled Well				
	24'2" Depth				
	Between Jockvale Rd and Barrhaven ST				

Hole Diameter

Depth From	Depth To (Metres)	Diameter (Centimetres)
0	7.37	10.16

Water Record

Water found at ___ Metres / Kind of Water

- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

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

Chlorinated ☒ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)

Casing

☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			

Screen

Outside diam		Slot No.		
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			

No Casing or Screen

☐ Open hole

Test of Well Yield

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

Plugging and Sealing Record

☐ Annular space ☒ Abandonment

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

Method of Construction

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

Water Use

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

Final Status of Well

☐ Water Supply ☐ Recharge well ☐ Unfinished ☒ Abandoned, (Other)
☐ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering Not used
☐ Test Hole ☐ Abandoned, poor quality ☐ Replacement well

Well Contractor/Technician Information

Name of Well Contractor	Well Contractor's Licence No.
Raymond Pump + Well	7260

Business Address (street name, number, city etc.): 147 main st. St-Albert Ont.

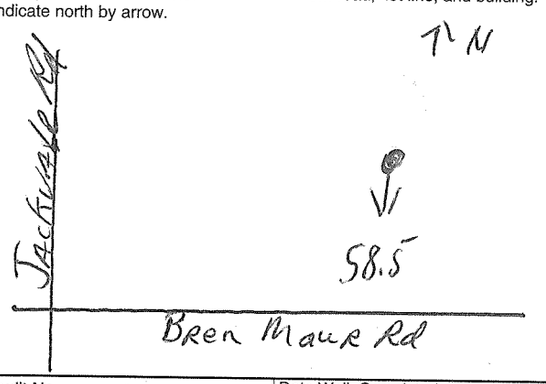
Name of Well Technician (last name, first name)	Well Technician's Licence No.
Jacques Raymond	T-0264

Signature of Technician/Contractor: X

Date Submitted: YYYY 2007 MM 09 DD 19

Location of Well

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



Audit No. Z 66810

Date Well Completed: YYYY 2007 MM 09 DD 19

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

Date Delivered: YYYY 2007 MM 09 DD 19

Ministry Use Only

Data Source	Contractor
Date Received: YYYY OCT 2 2007 MM DD	Date of Inspection: YYYY MM DD
Remarks	Well Record Number

0506E (08/2006)

Ministry's Copy

Cette formule est disponible en français

UTM 1 8 | 4 4 2 4 ~~2 0~~ 00 E   Con II RF Lot 12

4 | 5 0 1 2 1 ~~6 0~~ 50

Elev. 5 | 0 2 9 0

Basin 2 5

CODED

1509673

B

The Ontario Water Resources Commission Act

WATER WELL RECORD

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

Con.: 2 RF   Lot: 12   Date completed: 18 (day) Apr (month) 1968 (year)

Owner: Armstrong Associates (print in block letters)   Address: Manotick Ont.

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 / Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
clay	0'	7'	105	fresh
clay & boulders	7'	12'		
sand	12'	26'		
sand + gravel	26'	39'		
limestone	39'	106'		

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: H Mains

Address:

Date: Apr 19 1968

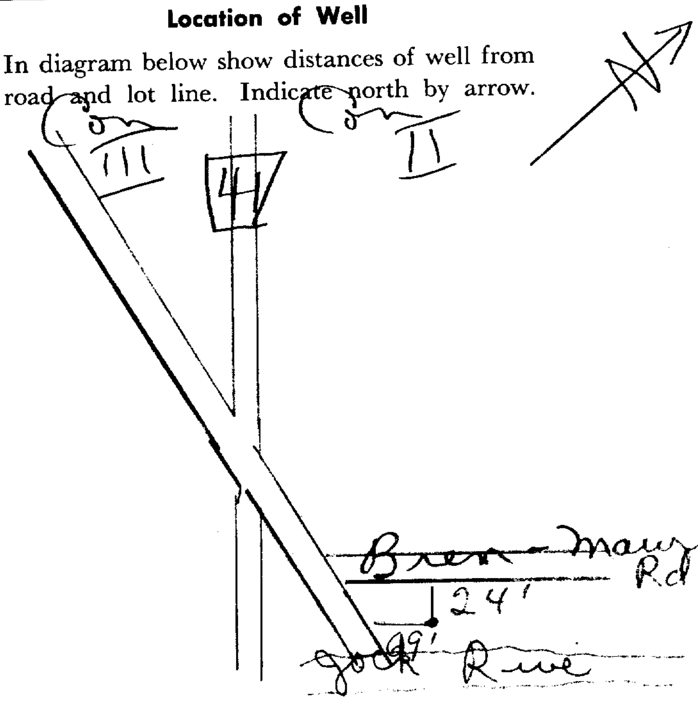
Walter Kavanagh
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

Location of Well

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



UTM 1 | 18 | 4 4 2 3 4 0 R.F. Con II Lot 13 31651

1 | 4 | 5 0 1 1 2 1 1 4 0 **CODED** 1509672

Elev. 15 | 0 1 2 9 2

Basin 25

The Ontario Water Resources Commission Act

WATER WELL RECORD

B

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

Con. 2 R.F. Lot ~~12~~ 13 Date completed 22 (day) Apr (month) 1968 (year)

[redacted] ress RR #3 ~~Mo~~ Ottawa

Casing and Screen Record		Pumping Test	
Inside diameter of casing	5"	Static level	8'
Total length of casing	41'	Test-pumping rate	10 G.P.M.
Type of screen		Pumping level	15'
Length of screen		Duration of test pumping	1 hr
Depth to top of screen		Water clear or cloudy at end of test	cloudy
Diameter of finished hole	5"	Recommended pumping rate	5 G.P.M.
		with pump setting of	60 feet below ground surface

Well Log: Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
clay with boulders	0	26'	92'	fresh
sandy gravel	26'	39'		
limestone	39'	94'		

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

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

Drilling or Boring Firm Capital Water Supply Ltd.

Address 14 Ashford Dr Ottawa

Licence Number 2857

Name of Driller or Borer H Mains

Address

Date Apr 22 1968

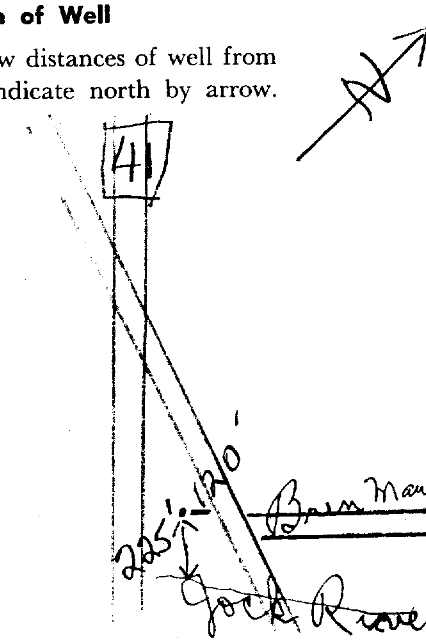
Walter Kavanagh (Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

Location of Well

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



UTM 1 8 Z 4 4 2 5 4 0 E

15 R 5 0 1 2 3 8 0 N

Elev. 4 R 0 2 9 0

Basin 25

Con. I R.F.
Lot-13

ONTARIO

31956

15 № 5986

RECEIVED
DEC 13 1951
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

The Well Drillers Act
Department of Mines, Province of Ontario

Water Well Record

County or Territorial District ... Carleton ... Township, ~~Village, Town or City~~ ... Nepean

[redacted] ...own or City) ...

[redacted] ... City View

Date Completed ... 30 (day) Oct (month) 5? (year) ... Cost of Well (excluding pump) ...

Pipe and Casing Record		Pumping Test	
Casing diameter(s)	4"	Date	
Length(s) of casing(s)	48'	Static level	8'
Type of screen		Pumping level	8'
Length of screen		Pumping rate	est 300 g p hr
Distance from top of screen to ground level		Duration of test	1 hr
Is well a gravel-wall type?		Distance from cylinder or bowls to ground level	

Water Record

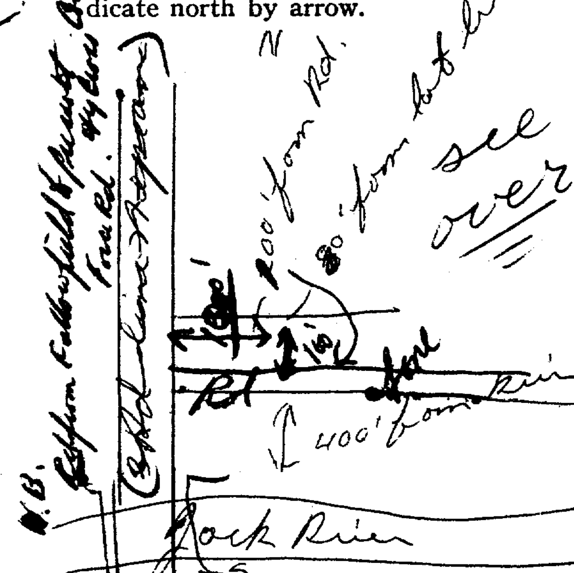
		Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
Kind (fresh or mineral)	fresh	47		
Quality (hard, soft, contains iron, sulphur, etc.)	med-hard			
Appearance (clear, cloudy, coloured)	Clear			
For what purpose(s) is the water to be used?	farm use			
How far is well from possible source of contamination?				
What is the source of contamination?				
Enclose a copy of any mineral analysis that has been made of water				

Well Log

Overburden and Bedrock Record	From	To
Boulders with Gray Clay	0 ft.	20 ft.
Hardpan	20	47
Gravel	47	48

Location of Well

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



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

Drilling Firm ... M. Meagher

Address ... Britannia Hts.

Name of Driller ... Address ...

Date ... Nov. 29/51 ... Licence Number ...

M. Meagher
Signature of Licensee

Form 5

Ontario

Ministry of the Environment, Conservation and Parks

Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag No. *(Place Sticker and/or Print Below)* A296206 Tag#:A296206

Well Record

Regulation 903 Ontario Water Resources Act

5-25322 Page ____ of ____

Well Owner's Information

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

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

Well Location

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

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	442345	5012365		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
BRN	top soil		loose	0	.31
BRN	clay	silt	soft	.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 (m^3/ft^3)
0	.31	concrete/monument	
.31	2.74	bentonite	
2.74	6.1	filter sand	

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
5.20	PVC	.340	0	3.1

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
6.03	PVC	10	3.1	6.1

Status of Well

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

Water Details

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

Hole Diameter

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

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

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

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

Recommended pump depth *(m/ft)*

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

Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

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

Map of Well Location

Please provide a map below following instructions on the back.

See Map

MW1

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Drilling Group	7241

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

Province	Postal Code	Business E-mail Address
ON	L4A8C1	wrecord@stratasoil.com

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
9059407919	McCoy, James

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
7107		

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☐ No		2020 0622

Ministry Use Only

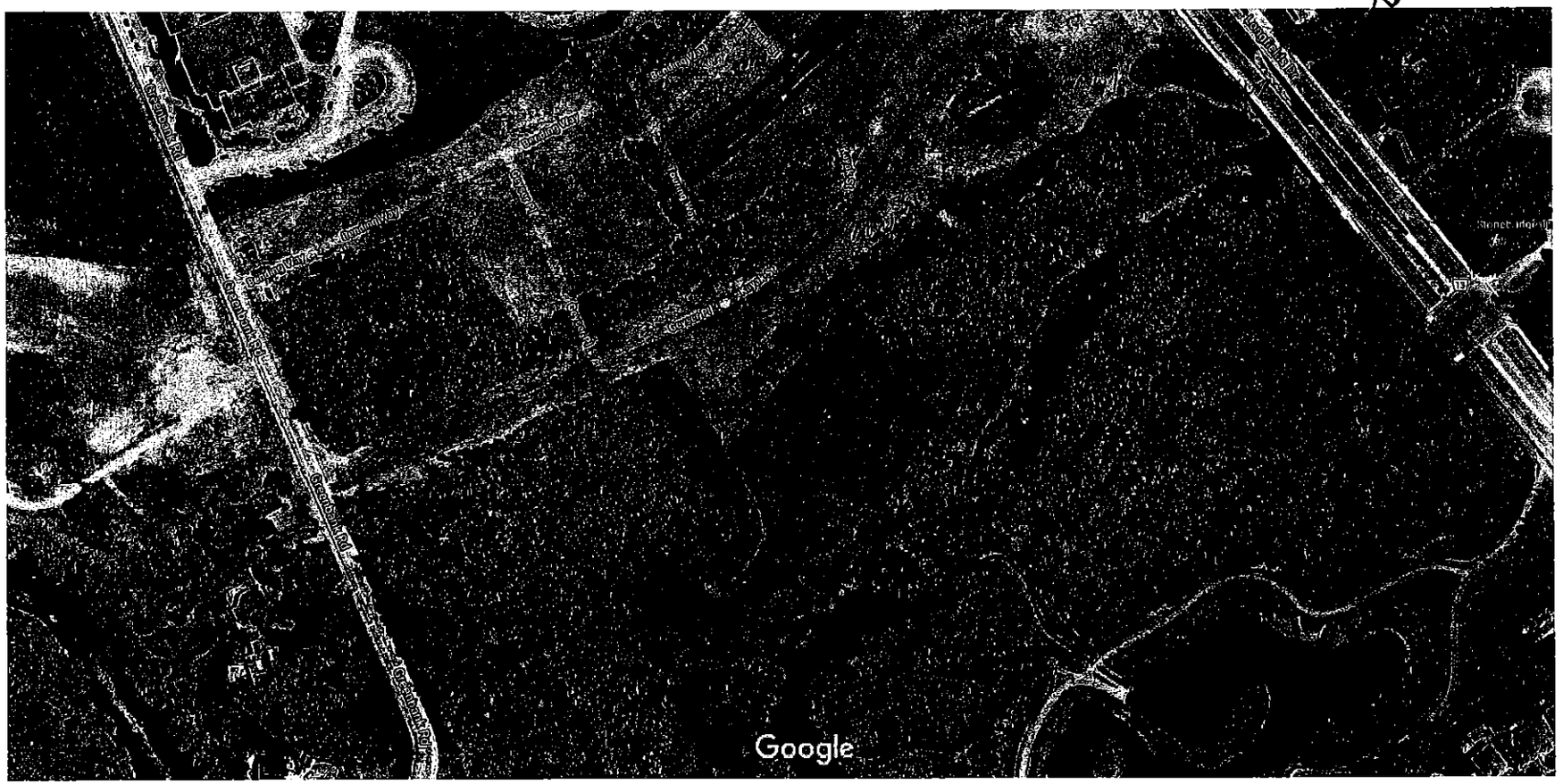
Audit No. Z333456

Received AUG 14 2020

0506E (2018/12)

Ministry's Copy

Google Maps 2393 Longfields Dr



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

AUG 14 2020

Ontario | Ministry of the Environment and Climate Change

Measurements recorded in: [X] Metric [ ] Imperial

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

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	
	CITY OF OTTAWA % THEGAN CONSTRUCTION NNH		[ ] Well Constructed by Well Owner

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
3187 ALBION ROAD	OTTAWA	ON	K1V 8Y3	(613) 521 3000

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
GREENBANK /	NEPEAN (CRF).	12/13	2 & 3

County/District/Municipality	City/Town/Village	Province	Postal Code
OTTAWA CARLETON	NEPEAN (OTTAWA).	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	See table below ↓				* SNC Phase 2 *

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	Easting.	Tag	Depth. (m)
15-2	32mm ⌀	4.05	5012400 N	18442335 E	⊖	0.00 - 12.7.
15-3A.	32mm ⌀	4.16	5012368 N	18442868	⌀	0.00 - 5.95
15-101	32mm ⌀	3.57.	5012301 N	18442247	⊖	0.00 - 6.90
15-7.	32mm ⌀	2.83	5012226 N	18441908	⊖	0.00 - 9.60

Annular Space

Depth Set at *(m/ft)* From	To	Type of Sealant Used *(Material and Type)*	Volume Placed *(m³/ft³)*
- See table above		Bentonite grout. Pelplug & Holeplug.	

Results of Well Yield Testing

(section crossed out)

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ___ hrs + ___ min

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

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

Recommended pump depth *(m/ft)*

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

Well production *(l/min / GPM)*

Disinfected? [X] Yes [ ] No

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

Method of Construction

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

Well Use

[ ] Public [ ] Commercial [X] Not used [ ] Domestic [ ] Municipal [ ] Dewatering [ ] Livestock [ ] Test Hole [X] Monitoring [ ] Irrigation [ ] Cooling & Air Conditioning [ ] Industrial [ ] Other, specify

Construction Record - Casing

Inside Diameter *(cm/in)*	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness *(cm/in)*	Depth *(m/ft)* From	To
32mm	PVC	-	- above	

Status of Well

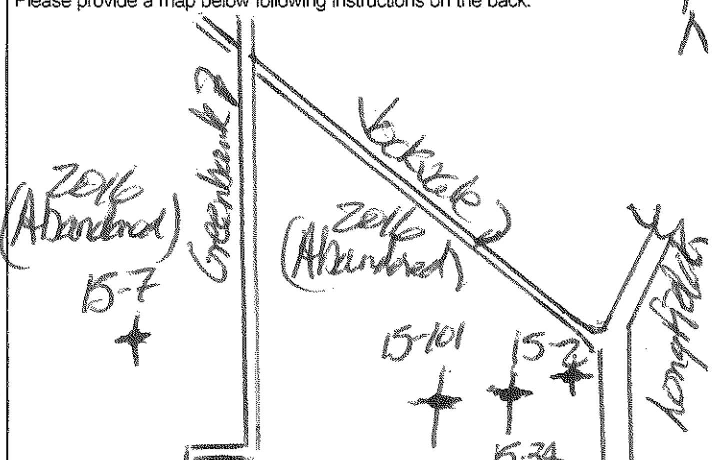
[ ] Water Supply
[ ] Replacement Well
[X] Test Hole
[ ] Recharge Well
[ ] Dewatering Well
[X] Observation and/or Monitoring Hole
[ ] Alteration (Construction)
[ ] Abandoned, Insufficient Supply
[ ] Abandoned, Poor Water Quality
[X] Abandoned, other, specify Constructed
[ ] Other, specify 2016 -

Construction Record - Screen

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

Map of Well Location

Please provide a map below following instructions on the back.



Water Details

Water found at Depth	Kind of Water
(m/ft) [ ] Gas	[ ] Fresh [ ] Untested [ ] Other, specify
(m/ft) [ ] Gas	[ ] Fresh [ ] Untested [ ] Other, specify
(m/ft) [ ] Gas	[ ] Fresh [ ] Untested [ ] Other, specify

Hole Diameter

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

Comments: Refer to Golder for exact plan

Well Contractor and Well Technician Information

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

Business Address (Street Number/Name)	Municipality
157 FILE ARCHES DRIVE	PAKENHAM

Province	Postal Code	Business E-mail Address
ON	K0A 2X0	stanton.drilling@bellnet

Bus.Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
(613) 624 5622	STANTON, PETER

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0086	[signature]	2016 12 30

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

Date Package Delivered Y Y Y Y M M D D

Date Work Completed 2016 12 16

Ministry Use Only

Audit No. Z220196

Received JAN 10 2017

Ontario — Ministry of the Environment

Well Tag No. (or Print Below): **A 096525**

Master Well Record for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

Page 1 of 2

[redacted]

Address of Well Location (Street Number/Name, RR)	Township	Lot	Concession
3392 Jockvale Road	Nepean	12	2

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

UTM Coordinates	Zone	Easting	Northing	GPS Unit Make	Model	Mode of Operation
NAD 83	18	442027	5012002	Garmin	Etrex	☐ Undifferentiated ☑ Averaged ☐ Differentiated, specify

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

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From	Depth (Metres) 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	Depth (Metres) To	Diameter (Centimetres)
0	6.1	20

Water Use

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

Method of Construction

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

Status of Well

☑ Test Hole ☐ Abandoned, Insufficient Supply
☐ Replacement Well ☐ Abandoned, Poor Water Quality
☐ Dewatering Well ☐ Other, *specify*
☐ Alteration (Construction) ☐ Abandoned, other, *specify*

Construction Details

Inside Diameter (Centimetres)	Material (steel, plastic, fibreglass, concrete, galvanized)	Wall Thickness	Depth (Metres) From	Depth (Metres) To
5.1	PVC	sched 40	0	3.1

No Casing and Screen Used

Open Hole ☐ Yes ☑ No

Static Water Level Test

[ ][ ] Metres

Screen

☐ Galvanized ☐ Steel ☐ Fibreglass ☐ Concrete ☑ Plastic

Outside Diameter (Centimetres)	Slot No.
5.8	10

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	Depth Set at (Metres) To	Type of Sealant Used (Material and Type)	Volume Used (Cubic Metres)
0	0.3	Bentonite	0.01

Water Details

Water found at Depth	Kind of Water
[ ][ ] Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
[ ][ ] Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
[ ][ ] Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals

Disinfected	Date Master Well Completed (yyyy/mm/dd)
☐ Yes ☑ No If no, provide reason: Monitoring Well	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	1
Total Wells on this Property: Unknown	

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

[redacted]

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
George Downing Estate Drilling	1944

Business Address (Street No./Name, number, RR)	Municipality
410 Rue Principale,	Grenville sur la Rouge

Province	Postal Code	Business E-mail Address
QC	J0V1B0	downing@hawk.igs.net

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
8192426469	Downing, Bruce

Well Technician's Licence No.	Signature of Technician	Date Submitted (yyyy/mm/dd)
2173	Bruce Downing	2010/09/21

Ministry Use Only

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

1992 (11/2006)

Ministry's Copy

Ontario Ministry of the Environment

Well Tag No. (Place Cluster Well Tag No.) **A 096525**

Cluster Well Information for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

[redacted]

upon request

Address of Well Location (Street Number/Name, RR)	Lot	Concession	Township	County/District/Municipality
3392 Jockvale Road				

City/Town/Village	Province	Postal Code	GPS Unit Make	Model	Unit Mode of Operation
Ottawa	Ontario		Garmin	Etrex	☐ Undifferentiated ☑ Averaged ☐ Differentiated, specify:

Signature of Technician/Contractor	Date (yyyy/mm/dd)
[signature]	2010/09/21

Well # on Sketch	UTM Coordinates Zone	Easting	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)
2	18	442403	5012344	4.8	20	HSA	PVC	1.8	1.8	4.8	Bentonite				2010/08/12
3	18	442316	5012083	6.7	↓	↓	↓	3.1	3.1	6.1	↓				2010/08/12
4	18	442343	5012085	5.4				2.4	2.4	5.4					2010/08/12
5	18	442341	5012052	6.7				3.1	3.1	6.1					2010/08/13
7	18	442330	5012306	5.4				1.83	1.83	5.49					2010/08/13
8	18	442276	5012274	5.7				2.6	2.6	5.6					2010/08/13
9	18	442296	5012279	5.4				3	3	5.4					2010/08/16

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

Well Contractor and Well Technician Information

Business Name of Well Contractor	Business Address (Street Number/Name, RR)	Municipality	Province
George Downing Estate Drilling	410 Rue Principale,	Grenville sur la Rouge	QC

Postal Code	Business Telephone No. (inc. area code)	Well Contractor's Licence No.	Business E-mail Address
J0V 1B0	819 242 6469	1844	downing@hawk.igs.net

Name of Well Technician (First Name, Last Name)	Well Technician's Licence No.	Date Submitted (yyyy/mm/dd)	Signature of Technician
Bruce Downing	2173	2010/09/21	[signature]

Ministry Use Only

Date Received (yyyy/mm/dd)	Date Inspected (yyyy/mm/dd)
OCT 08 2010	

Audit No.	Remarks
c 08023	M0774

1991 (11/2006)

Ministry's Copy

P:\PROJECTS IN PROGRESS\1 ENVIRONMENTAL\2010\TZ101013 - CITY JOCKVALE NURSERY\DRAWINGS\PHASE II FIGURES - TZ101013.DWG

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

N

METRES

amec

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 m067724 C08023

OCT 0 8 2010

Ontario — Ministry of the Environment, Conservation and Parks

Well Record

Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag No. *(Place Sticker and/or Print Here)* A296207 Tag#:A296207

...ation 903 Ontario Water Resources Act

15-25322 Page _____ of _____

Well Owner's Information

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

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
110 Laurier avenue west	Ottawa	ON	K1A1J1	

Well Location

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

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	442399	5012301		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
BRN	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	bentonite	
2.5	6.1	silica sand	

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter *(cm/in)*	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness *(cm/in)*	Depth (m/ft) From	Depth (m/ft) To
5.20	PVC	.390	0	3.1

Construction Record - Screen

Outside Diameter *(cm/in)*	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
6.03	PVC	10	3.1	6.1

Status of Well

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

Water Details

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

Hole Diameter

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

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Drilling Group	7241

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

Province	Postal Code	Business E-mail Address
ON	L4A8C1	wrecords@stratasoil.com

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
905 640 7919	McKay, James

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
7110		Y Y Y Y M M D D

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

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

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

Recommended pump depth *(m/ft)*

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

Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

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

Map of Well Location

Please provide a map below following instructions on the back.

See Map
MW2

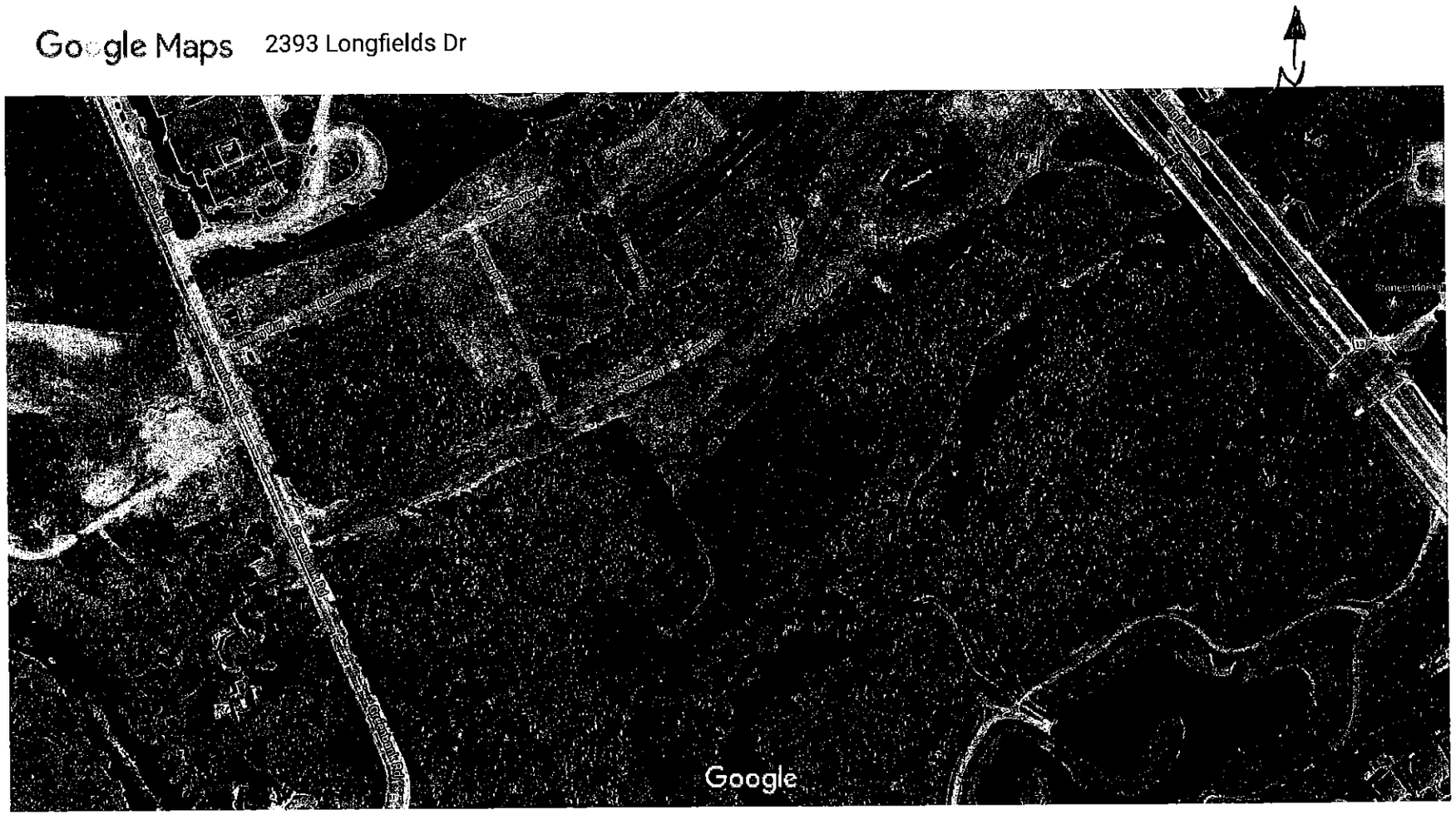
Comments:

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☐ No	Y Y Y Y M M D D	2020 06 27

Ministry Use Only
Audit No. Z333483
Received AUG 14 2020

0506E (2018/12) **Ministry's Copy**

Google Maps 2393 Longfields Dr



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

AUG 14 2020

Ontario — Ministry of the Environment, Conservation and Parks

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag No. *(Place Sticker and/or Print Below)* A296210 Tag#:A296210 5-25322 Page ____ of ____

Well Owner's Information

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

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
110 Laurier avenue west	Ottawa	ON	K1A 0J1	

Well Location

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

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 8 3	18	442221	5012244		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
BRN	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) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	.31	concrete/monument	
.31	1.22	bentonite	
1.22	4.57	Filter sand	

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
5.20	PVC	.390	0	1.52

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
6.03	PVC	10	1.52	4.57

Status of Well

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

Water Details

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

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	4.57	11.43

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

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

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

Recommended pump depth *(m/ft)*

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

Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

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

Map of Well Location

Please provide a map below following instructions on the back.

See Map
MW 3

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Drilling Group	7124

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

Province	Postal Code	Business E-mail Address
ON	L4A 8G1	wrecord@stratasoil.com

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
905 940 7919	McCoy, James

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
7107		

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered ____

Date Work Completed 2020 06 27

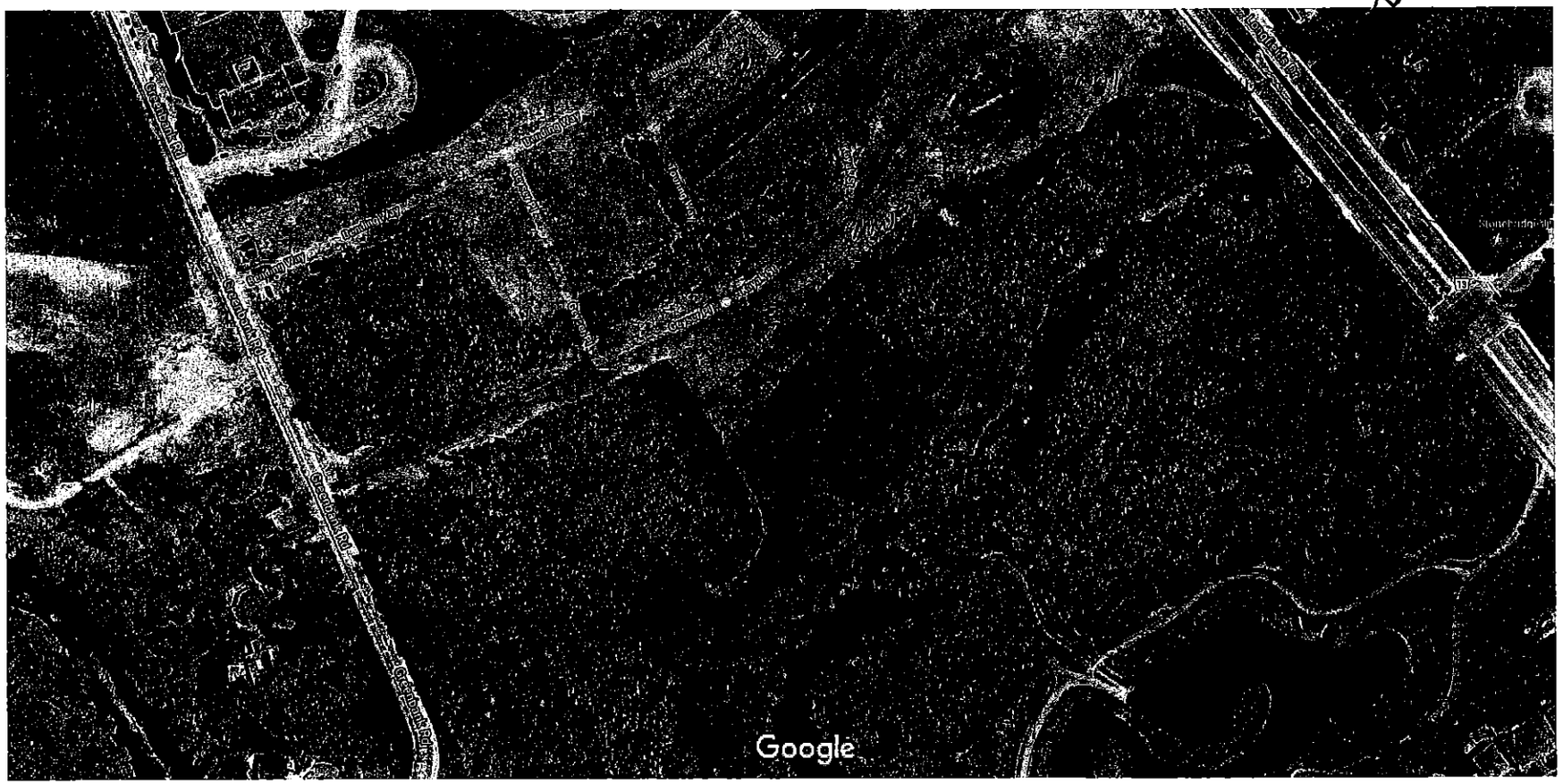
Ministry Use Only

Audit No. Z333455

Received AUG 14 2020

0506E (2018/12) **Ministry's Copy**

Google Maps 2393 Longfields Dr



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

AUG 14 2020

Outlook

RE: PE6687 - Records Search Request

From Public Information Services <publicinformationservices@tssa.org>
Date Tue 7/29/2025 8:48 AM
To Anna Beedell <abeedell@patersongroup.ca>

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 publicinformationservices@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

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,

PATERSON GROUP
SOLUTION ORIENTED ENGINEERING

ANNA BEEDELL
Environmental Student

Environmental Division

9 AURIGA DRIVE
OTTAWA ON K2E 7T9

patersongroup.ca

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 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 keys words i.e. name of proponent/owner and the address one can ascertain if there is any information on the proponent and address under the following categories: Ministry, keywords, notice types, Notice Status, Acts, Instruments and published date (all years).

The Ontario Land Registry Office

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

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

Ottawa Public Health

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

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

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

Furthermore, the HLUI database and the results of this search in no way confirm the presence or absence of contamination or pollution of any kind. This information is provided on the assumption that it will not be relied upon by any person for any purpose whatsoever. The City of Ottawa denies all liability to any persons attempting to rely on any information provided from the HLUI database.

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

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

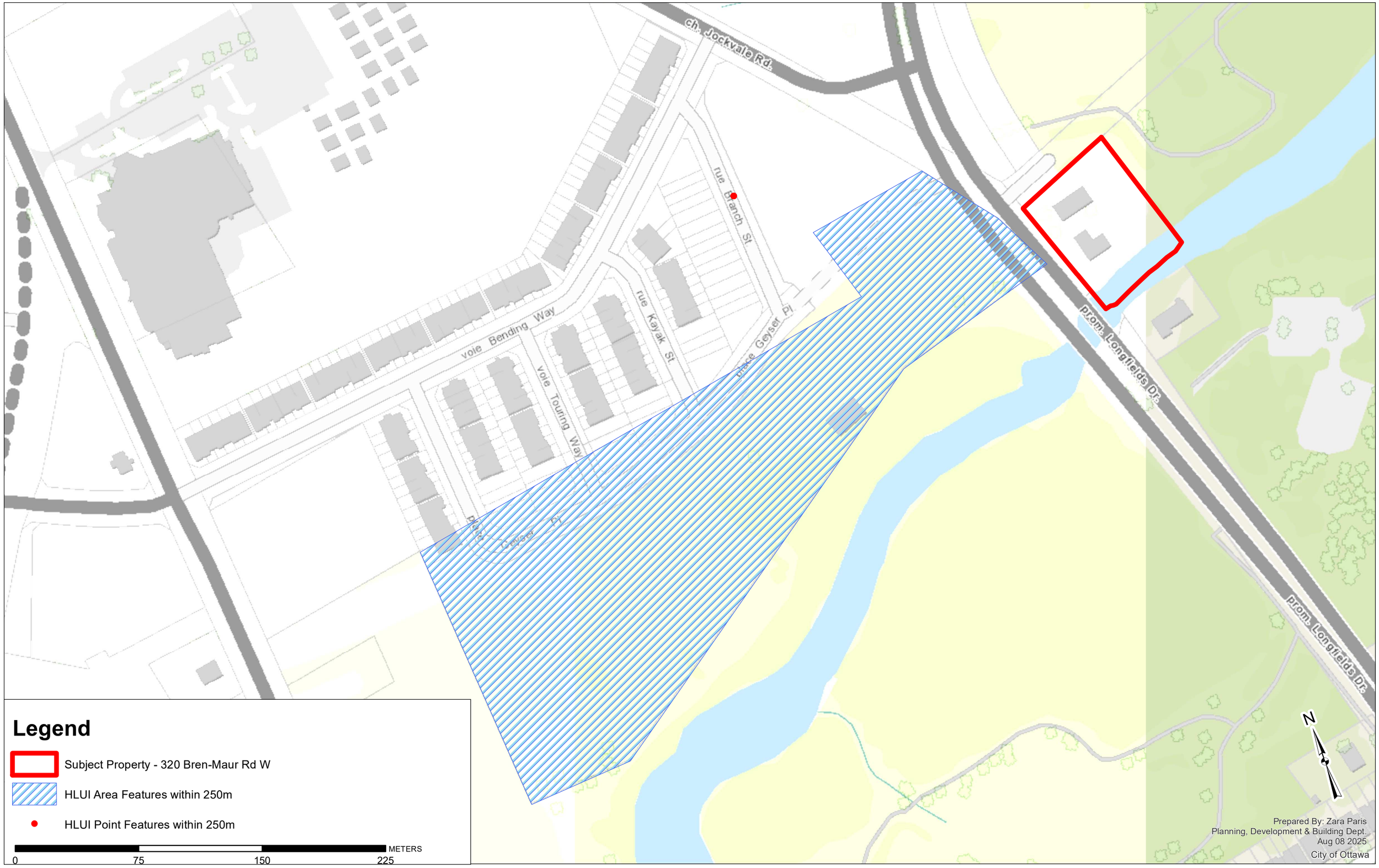
Sincerely,

Zara Paris
Student Planner | Étudiante en Urbanism
Development Review | Examen des projects d'amenagement
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



HLUI SUMMARY REPORT
AREA FEATURES

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	3392.0000000000	JOCKVALE	RD			2393	LONGFIELDS	DR			047320034	NEPEAN	444210; 444220				47805.934392893403128	1160.963013011489920

HLUI SUMMARY REPORT
POINT FEATURES

OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	TANK_LOCATION	TANK_CONTENT	TANK_SIZE	TANK_TYPE	TANK_STATUS	SOURCE	INSTALLED_ST_NUM	INSTALLED_ST_NAME	INSTALLED_ST_ABR	INSTALLED_ST_DIR	COMMENT	MTM_X	MTM_Y	IMAGE_MAP	IMAGE_CERTAINTY	IMAGE_MAP_2	TANK_MATERIAL	TANK_ID	TANK_LEAKING	TANK_REMOVED	REMOVED_DATE	DATE_INSTALLED	NATURE_OF_BUSINESS	SCANNED_DRAWING	TEMPREcordID	CAPACITY_UOM	MUNICIPALITY	POSTCODE
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	5013922.362019659951329		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	5013922.362019659951329		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	5013922.362019659951329		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

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

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

Table of Contents

Executive Summary

Property Information:

Project Property:	*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

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

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

Database	Name	Searched	Project Property	Within 0.25 km	Total
Total:		0		20	20

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number

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

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
13	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	40
13	EHS		3380 Jockvale Road Nepean ON K2J 4J7	W/192.6	1.19	41
13	RSC	CITY OF OTTAWA	3380 Jockvale Road Ottawa ON	W/192.6	1.19	41
14	GEN	Malroz Engineering Inc.	2393 Longfields Drive Nepean ON K2J 4J1	WSW/201.3	0.28	41
15	WWIS		lot 13 con 2 ON ***Well ID:*** 7051025	NNE/234.4	-0.76	43
16	SPL		3420 Jockvale Road Ottawa ON	SSW/243.8	0.12	44
17	WWIS		lot 13 con 2 ON ***Well ID:*** 1505986	NE/246.8	-0.67	45
18	BORE		ON	NE/246.8	-0.67	47

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.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	WSW	80.29	5

Lower Elevation	Address	Direction	Distance (m)	Map Key
	ON	SW	54.12	2
	ON	SSW	72.49	3
	ON	S	92.02	7
	ON	E	168.33	12
	ON	NE	246.82	18

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.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
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	13

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.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	3380 Jockvale Road Nepean ON K2J 4J7	W	192.59	13

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.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Malroz Engineering Inc.	2393 Longfields Drive Nepean ON K2J 4J1	WSW	201.32	14

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.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
CITY OF OTTAWA	3380 Jockvale Road Ottawa ON	W	192.59	13

SPL - Ontario Spills

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

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	3420 Jockvale Road Ottawa ON	SSW	243.82	16

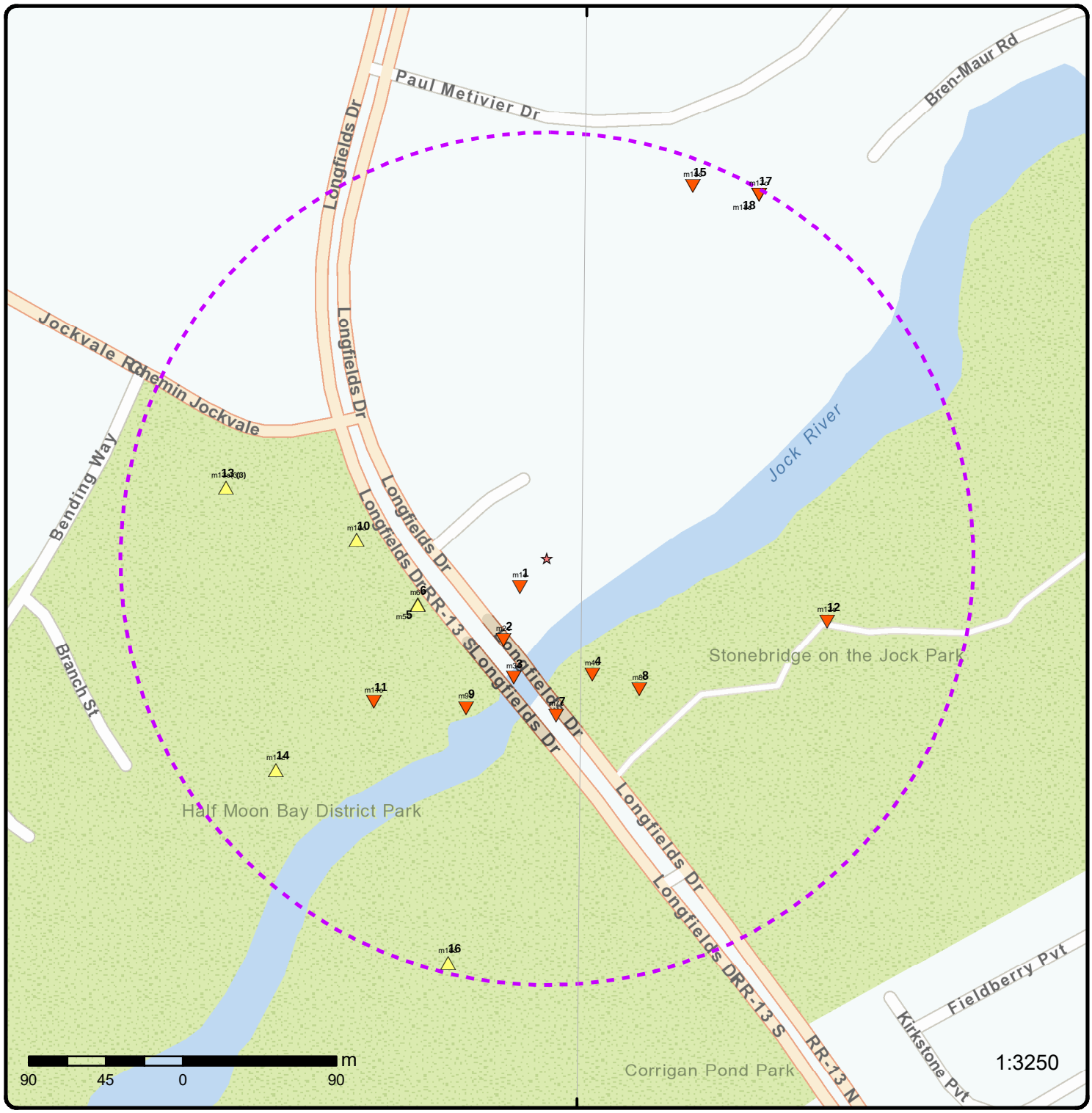
Lower Elevation	Address	Direction	Distance (m)	Map Key
TANK TRUCK	AT RESIDENCE AT 3415 JOCKVALE ROAD TANK TRUCK (CARGO) NEPEAN CITY ON K2J 4K2	SSE	73.30	4

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.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	lot 13 con 1 ON ***Well ID:*** 1509672	WSW	80.33	6
	GREENBANK lot 13 con 2 NEPEAN ON ***Well ID:*** 7278702	W	111.99	10

Lower Elevation	Address	Direction	Distance (m)	Map Key
	lot 12 con 2 ON ***Well ID:*** 1509673	SW	23.02	1
	lot 12 con 2 ON ***Well ID:*** 1505957	SE	94.05	8
	2393 longfields dr Ottawa ON ***Well ID:*** 7365194	SW	99.80	9
	2393 Longfields dr Ottawa ON ***Well ID:*** 7365193	WSW	131.57	11
	lot 13 con 2 ON ***Well ID:*** 7051025	NNE	234.37	15
	lot 13 con 2 ON ***Well ID:*** 1505986	NE	246.77	17

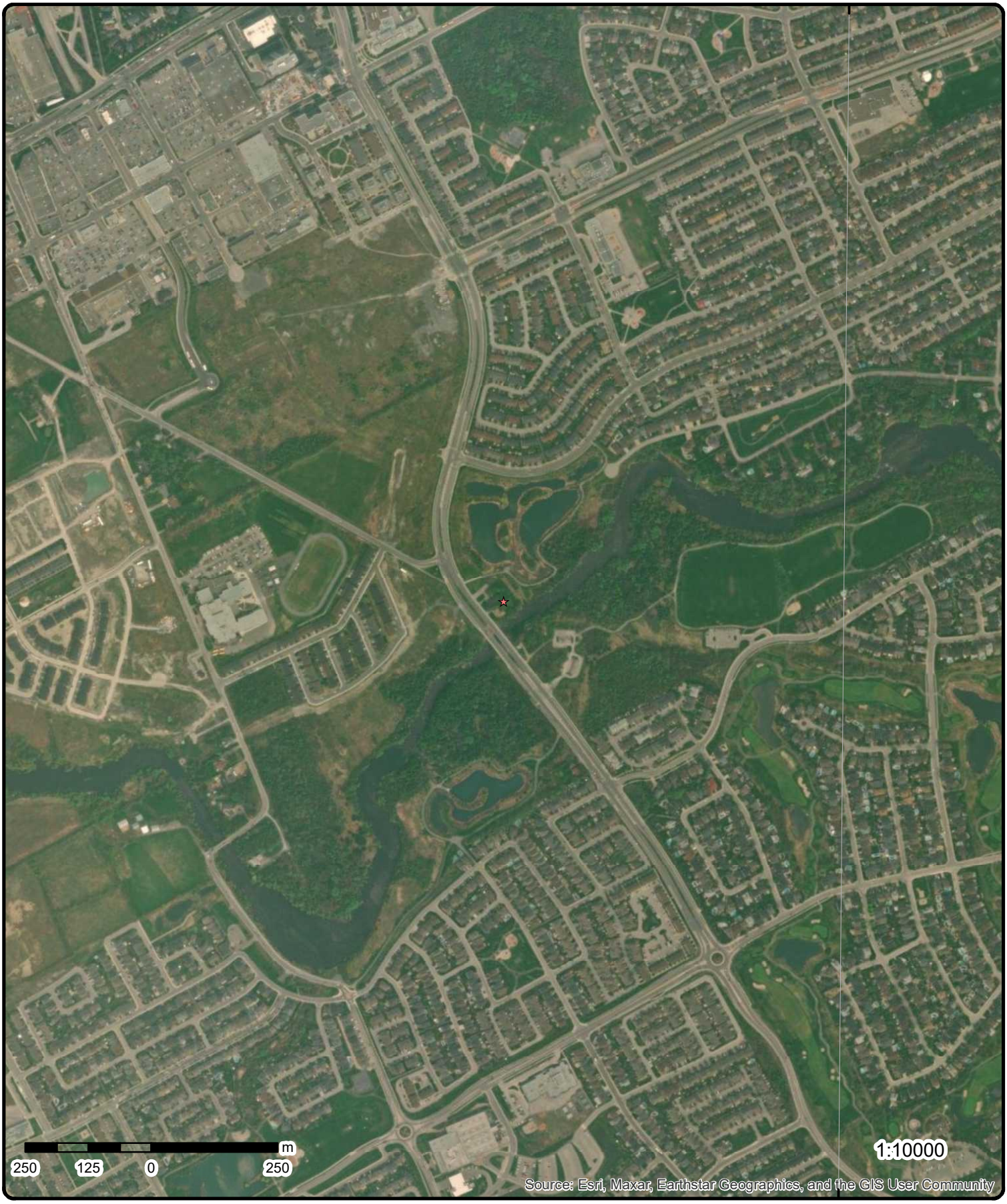


Map: 0.25 Kilometer Radius

Order Number: 25072800606

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

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



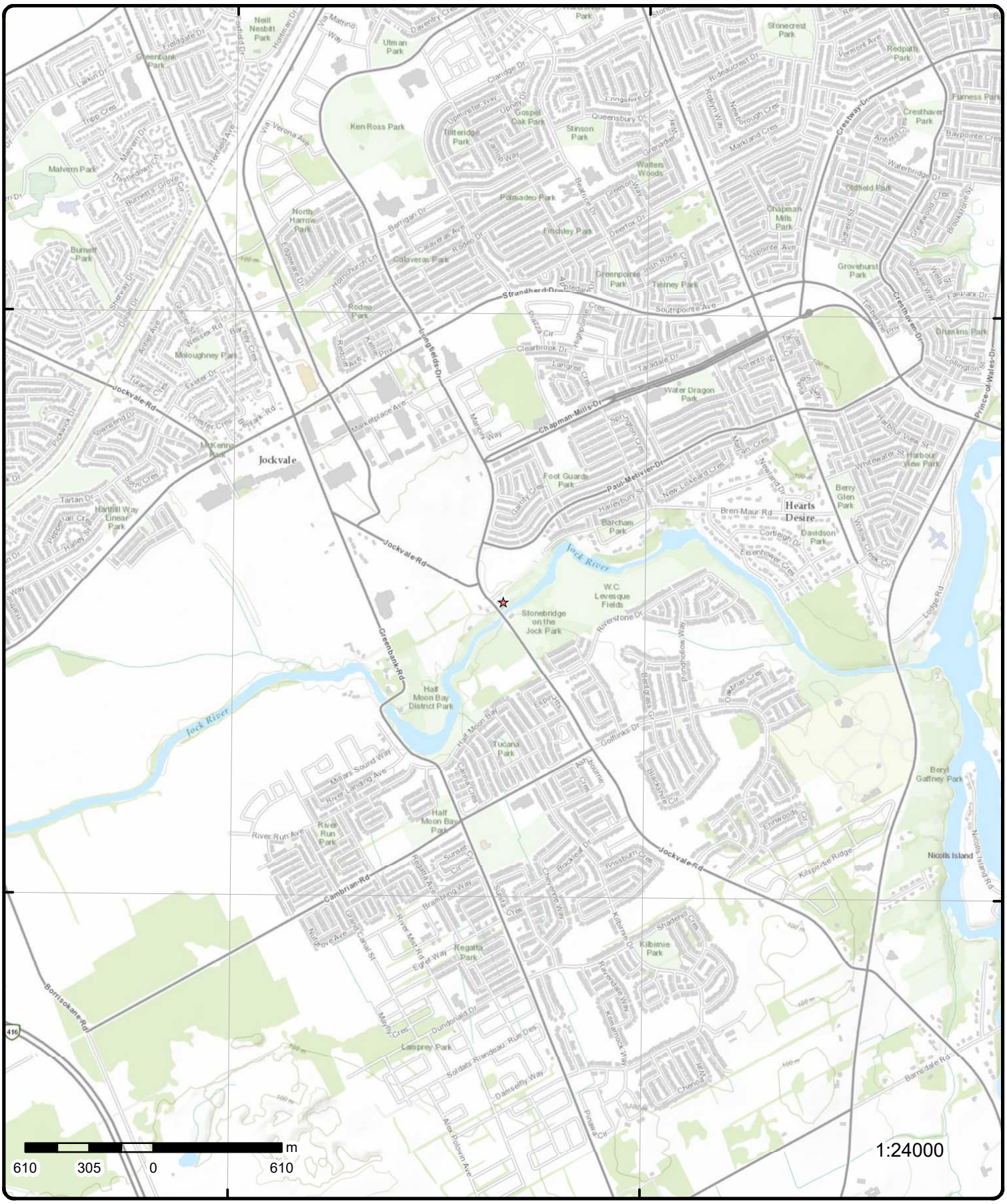
Aerial

Year: 2023

Order Number: 25072800606

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

Source: ESRI World Imagery



Topographic Map

Order Number: 25072800606

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

Source: ESRI World Topographic Map

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	SW/23.0	90.3 / -0.31	lot 12 con 2 ON	WWIS

Well ID:	1509673	**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:**	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:**	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:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509673.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

Bore Hole ID:	10031705	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	442430.70
Code OB Desc:		**North83:**	5012372.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	04/18/1968	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Location Method Desc:	Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

Formation ID: 931012755
Layer: 5
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: 106.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931012752
Layer: 2
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: 7.0
Formation End Depth: 12.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961509673
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10580275
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930056047
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 44.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930056048
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 106.0
Casing Diameter: 5.0
Casing Diameter UOM: inch

Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 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

Water Details

Water ID: 933464563
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 105.0
Water Found Depth UOM: ft

---

2 ***1 of 1*** ***SW/54.1*** ***89.1 / -1.55*** ***ON*** ***BORE***

Borehole ID: 847967
OGF ID: 215589624
Status: Decommissioned
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: 10-MAR-1961
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 11.1
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Diamond Drill
Orig Ground Elev m: 28.5
Elev Reliabil Note:
DEM Ground Elev m: 90.6
Concession: CON 2
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot: LOT 12
Township: NEPEAN
Latitude DD: 45.262208
Longitude DD: -75.733911
UTM Zone: 18
Easting: 442421
Northing: 5012341
Location Accuracy:
Accuracy: Within 10 metres

Borehole Geology Stratum

Geology Stratum ID: 6559424
Top Depth: 0
Bottom Depth: .6
Material Color:
Material 1: Fill

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

Material 2:	Gravel	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	GRAVEL FILL **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	6559426	**Mat Consistency:**	Dense
Top Depth:	4	**Material Moisture:**	
Bottom Depth:	11.1	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
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:	DENSE TO VERY DENSE, SANDY TO STONY, GREY GLACIAL TILL WITH BOULDERS. BEDROCK - GOOD QUALITY LIMESTONE.		

Geology Stratum ID:	6559425	**Mat Consistency:**	Dense
Top Depth:	.6	**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 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

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3 **1 of 1** **SSW/72.5** **87.7 / -2.95** **ON** **BORE**

Borehole ID:	847965	**Inclin FLG:**	No
OGF ID:	215589622	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	07-MAR-1961	**Municipality:**	
Static Water Level:		**Lot:**	LOT 12
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.26201
Total Depth m:	6.4	**Longitude DD:**	-75.733832
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	442427
Drill Method:	Diamond Drill	**Northing:**	5012319
Orig Ground Elev m:	24.4	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	87.5		
Concession:	CON 2		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6559418	**Mat Consistency:**	Very Dense
Top Depth:	3.4	**Material Moisture:**	
Bottom Depth:	6.4	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Stones	**Geologic Period:**	
Material 4:		**Depositional Gen:**	glacial

Gsc Material Description:
Stratum Description: VERY DENSE, SANDY TO STONY, GREY, GLACIAL TILL.

Geology Stratum ID:	6559416	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.9	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Weathered	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	glacial

Gsc Material Description:
Stratum Description: WEATHERED, BROWN, GALCIAL TILL (GRAVEL-LIKE).

Geology Stratum ID:	6559417	**Mat Consistency:**	Dense
Top Depth:	.9	**Material Moisture:**	
Bottom Depth:	3.4	**Material Texture:**	Medium
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	glacial

Gsc Material Description:
Stratum Description: MEDIUM DENSE, GREY, SANDY, GLACIAL TILL.

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4 | **1 of 1** | **SSE/73.3** | **80.0 / -10.61** | **SPL**

TANK TRUCK
AT RESIDENCE AT 3415 JOCKVALE ROAD
TANK TRUCK (CARGO)
NEPEAN CITY ON K2J 4K2

Ref No:	152389	**Municipality No:**	20104
Year:		**Nature of Damage:**	
Incident Dt:	2/12/1998	**Discharger Report:**	
Dt MOE Arvl on Scn:		**Material Group:**	
MOE Reported Dt:	2/13/1998	**Impact to Health:**	
Dt Document Closed:		**Agency Involved:**	TSSA

Site No:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name:
Site Address:
Site Region:
Site Municipality: NEPEAN CITY
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Entity Operating Name:
Client Name:
Client Type:
Source Type:
Incident Cause: PIPE/HOSE LEAK
Incident Preceding Spill:
Incident Reason: ERROR
Incident Summary: JOHNSTON BAKER FUELS:12 LOF FURNACE OIL TO GROUND FROM TANK, CLEANED UP.
Environment Impact: NOT ANTICIPATED
Health Env Consequence:
Nature of Impact: Other
Contaminant Qty:
Contaminant Qty 1:

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

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5 | ***1 of 1*** | ***WSW/80.3*** | ***91.7 / 1.02*** | ***ON*** | ***BORE***

Borehole ID:	612023	***Inclin FLG:***	No
OGF ID:	215513333	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	APR-1968	***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.262394
Total Depth m:	28.7	***Longitude DD:***	-75.734555
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	442371
Drill Method:		***Northing:***	5012362
Orig Ground Elev m:	89	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	92.5		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218389837	***Mat Consistency:***	
Top Depth:	11.9	***Material Moisture:***	
Bottom Depth:	28.7	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Limestone	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	LIMESTONE. 00092LIMESTONE. NE. 00080CK. SEISMIC VELOCITY = 14500. BEDROCK. SE **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218389836	***Mat Consistency:***	
Top Depth:	7.9	***Material Moisture:***	
Bottom Depth:	11.9	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Gravel	***Geologic Formation:***	
Material 2:	Sand	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			

Stratum Description: GRAVEL,SAND.

Geology Stratum ID: 218389835
Top Depth: 0
Bottom Depth: 7.9
Material Color:
Material 1: Clay
Material 2: Boulders
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: CLAY,BOULDERS.

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

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence:
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 04531 NTS_Sheet:
Confiden 1:

Source Appl: Spatial/Tabular
Source Iden: 1
Scale or Res: Varies
Horizontal: NAD27
Verticalda: Mean Average Sea Level

Source List

Source Identifier: 1
Source Type: Data Survey
Source Date: 1956-1972
Scale or Resolution: Varies
Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada

Horizontal Datum: NAD27
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transverse Mercator

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6 | ***1 of 1*** | ***WSW/80.3*** | ***91.7 / 1.02*** | ***lot 13 con 1 ON*** | ***WWIS***

Well ID: 1509672
Construction Date:
Use 1st: Livestock
Use 2nd: Domestic
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: 05/08/1968
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1503
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 013
Concession: 01
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

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

Year Completed:	1968
Depth (m):	28.6512
Latitude:	45.2623927664159
Longitude:	-75.73455493448
X:	-75.73455477262635
Y:	45.262392759165266
Path:	150\1509672.pdf

Bore Hole Information

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:	

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock

Materials Interval

Formation ID:	931012749
Layer:	2
Color:	
General Color:	
Material 1:	11
Material 1 Desc:	GRAVEL
Material 2:	09
Material 2 Desc:	MEDIUM SAND
Material 3:	
Material 3 Desc:	
Formation Top Depth:	26.0
Formation End Depth:	39.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961509672
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10580274
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930056046
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	94.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930056045
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	41.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991509672
Pump Set At:	
Static Level:	8.0
Final Level After Pumping:	15.0

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

Water Details

Water ID:	933464562
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	92.0
Water Found Depth UOM:	ft

---

7 ***1 of 1*** ***S/92.0*** ***81.4 / -9.28*** ***ON*** ***BORE***

Borehole ID:	847966	**Inclin FLG:**	No
OGF ID:	215589623	**SP Status:**	Initial Entry
Status:	Decommissioned	**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:	Geotechnical/Geological Investigation	**Primary Name:**	
Completion Date:	09-MAR-1961	**Municipality:**	
Static Water Level:		**Lot:**	LOT 12
Primary Water Use:		**Township:**	NEPEAN
Sec. Water Use:		**Latitude DD:**	45.261814
Total Depth m:	12.2	**Longitude DD:**	-75.733511
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	442452
Drill Method:	Diamond Drill	**Northing:**	5012297
Orig Ground Elev m:	28.4	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Within 10 metres
DEM Ground Elev m:	89.8		
Concession:	CON 2		
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	6559423	**Mat Consistency:**	
Top Depth:	10.7	**Material Moisture:**	
Bottom Depth:	12.2	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Limestone	**Geologic Group:**	
Material 3:	Shale	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BEDROCK - GOOD QUALITY LIMESTONE WITH A 5in. SHALE BAND.		

Geology Stratum ID:	6559422	**Mat Consistency:**	Very Dense
Top Depth:	5.8	**Material Moisture:**	
Bottom Depth:	10.7	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	

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.		

8	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 Reliabilty:		**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:			

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
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 01/07/1963
Remarks:
Elevation:
Elevrc:
Zone: 18
East83: 442500.70
North83: 5012312.00
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
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:

Formation Top Depth:	42.0
Formation End Depth:	237.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID:	961505957
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10576570
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

Water Details

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
9	1 of 1	SW/99.8	87.2 / -3.42	2393 longfields dr Ottawa ON	WWIS

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:

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:

Additional Detail(s) (Map)

Bore Hole ID: 1008444246
Depth M: 6.1
Year Completed: 2020
Well Completed Dt: 06/22/2020
Audit No: Z333483
Path:

Tag No: A296207
Contractor: 7241
Latitude: 45.2618460385889
Longitude: -75.7341871696483
Y: 45.26184603204871
X: -75.73418700880504

Bore Hole Information

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:

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

Overburden and Bedrock Materials Interval

Formation ID: 1008744522
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: 2.130000114440918
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1008744523
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: 2.130000114440918
Formation End Depth: 6.099999904632568
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1008744521
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

Annular Space/Abandonment Sealing Record

Plug ID: 1008744628
Layer: 3
Plug From: 2.740000009536743
Plug To: 6.099999904632568
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1008744627
Layer: 2
Plug From: 0.3100000023841858
Plug To: 2.740000009536743
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1008744626

Layer: 1
Plug From: 0.0
Plug To: 0.3100000023841858
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1008744690
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 1008744447
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1008744718
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 3.0999999046325684
Casing Diameter: 5.199999809265137
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1008744744
Layer: 1
Slot: 10
Screen Top Depth: 3.0999999046325684
Screen End Depth: 6.099999904632568
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 6.03000020980835

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1008744790
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:

Hole Diameter

Hole ID:	1008744664
Diameter:	11.430000305175781
Depth From:	0.0
Depth To:	6.099999904632568
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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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 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): 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:			

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

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID: 1006493000
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1006492992
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Screen

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

Water Details

Water ID:	1006492995
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1006492994
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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11 ***1 of 1*** ***WSW/131.6*** ***89.2 / -1.45*** ***2393 Longfields dr Ottawa ON*** ***WWIS***

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 Reliabilty:		***Lot:***	
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

Additional Detail(s) (Map)

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

Bore Hole Information

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

Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Annular Space/Abandonment Sealing Record

Plug ID: 1008744624
Layer: 2
Plug From: 0.3100000023841858
Plug To: 2.740000009536743
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1008744625
Layer: 3
Plug From: 2.740000009536743
Plug To: 6.099999904632568
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1008744623
Layer: 1
Plug From: 0.0
Plug To: 0.3100000023841858
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1008744689
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 1008744446
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1008744717
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 3.0999999046325684
Casing Diameter: 5.199999809265137
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1008744743
Layer: 1
Slot: 10
Screen Top Depth: 3.0999999046325684
Screen End Depth: 6.099999904632568
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm

Screen Diameter: 6.03000020980835

Results of Well Yield Testing

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:

Hole Diameter

Hole ID: 1008744663
Diameter: 11.430000305175781
Depth From: 0.0
Depth To: 6.099999904632568
Hole Depth UOM: m
Hole Diameter UOM: cm

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12 | **1 of 1** | **E/168.3** | **86.8 / -3.84** | **ON** | **BORE**

Borehole ID: 612021
OGF ID: 215513331
Status:
Type: Borehole
Use:
Completion Date:
Static Water Level: 3.0
Primary Water Use:
Sec. Water Use:
Total Depth m: -999
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 91.4
Elev Reliabil Note:
DEM Ground Elev m: 89.4
Concession:
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:
Latitude DD: 45.262323
Longitude DD: -75.731495
UTM Zone: 18
Easting: 442611
Northing: 5012352
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218389832
Top Depth: 12.8
Bottom Depth:
Material Color:
Material 1: Bedrock

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

Material 2: Limestone
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: 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: 218389831
Top Depth: 9.8
Bottom Depth: 12.8
Material Color:
Material 1: Gravel
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: GRAVEL. WATER STABLE AT 290.0 FEET.

Geology Stratum ID: 218389830
Top Depth: 0
Bottom Depth: 9.8
Material Color:
Material 1: Till
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: TILL.

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence: M
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 045290 NTS_Sheet: 31G05B
Confiden 1: Reliable information but incomplete.

Source Appl: Spatial/Tabular
Source Iden: 1
Scale or Res: Varies
Horizontal: NAD27
Verticalda: Mean Average Sea Level

Source List

Source Identifier: 1
Source Type: Data Survey
Source Date: 1956-1972
Scale or Resolution: Varies
Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada

Horizontal Datum: NAD27
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transverse Mercator

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
13	1 of 3	W/192.6	91.8 / 1.19	***Minto Communities Inc.*** ***3311 Greenbank Rd 3380 Jockvale Road, 2393 Longfields Drive, 2451 Longfields Drive, 261 Bren-Maur Road*** ***Ottawa ON K1P 0B6***	ECA

Approval No: 7337-B4ZRAV
Approval Date: 2018-10-03
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

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

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

Business Name: Minto Communities Inc.
Address: 3311 Greenbank Rd 3380 Jockvale Road, 2393 Longfields Drive, 2451 Longfields Drive, 261 Bren-Maur Road
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2221-B4HP4Z-14.pdf
PDF Site Location:

13	2 of 3	W/192.6	91.8 / 1.19	3380 Jockvale Road Nepean ON K2J 4J7	EHS

Order No: 20321600001
Status: C
Report Type: Standard Report
Report Date: 21-DEC-20
Date Received: 16-DEC-20
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Aerial Photos

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.7359778
Y: 45.2628093

13	3 of 3	W/192.6	91.8 / 1.19	CITY OF OTTAWA 3380 Jockvale Road Ottawa ON	RSC

RSC No: B-403-7292728818
RA No:
Status: Active
Filing Date:
Date Ack:
Date Returned:
Approval Date: July 18, 2024
Cert Date:
Cert Prop Use No:
Curr Property Use:
Intended Prop Use:
Restoration Type:
Soil Type:
Criteria:
Stratified (Y/N):
Audit (Y/N):
Entire Leg Prop. (Y/N):
CPU Issu Sect 1686:
Business Name: CITY OF OTTAWA
Address: 3380 Jockvale Road
Legal Desc:
Site Pin: 04732-5801 (LT)
Asmt Roll No:
Project Type: RSC based on Phase One and Two ESAs
Approval Type: RSC-RSC based on Phase One and Two ESAs
Applicable Standards:
PDF Link: https://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=3581230

X: -75.73555555564425
Y: 45.26194444368666
Latitude: 45.26194444
Longitude: -75.73555556
UTM Coordinates:
Latitude Longitude:
Accuracy Estimate:
Measurement Method:
Mailing Address:
Telephone:
Fax:
Email:
Postal Code: K2J 4J8
Ministry District:
MOE District: Ottawa
SWP Area Name: Rideau Valley
Qual Person Name: David Carnegie
Consultant:

14	1 of 1	WSW/201.3	90.9 / 0.28	Malroz Engineering Inc. 2393 Longfields Drive Nepean ON K2J 4J1	GEN

Generator Info

Generator No: ON8244147
Approval Years: As of Nov 2021
Status: Registered

Choice of Contact:
Contaminated Fac:
MHSW Facility:

PO Box No: **SIC Code:**
Country: Canada
Co Admin:
Phone No Admin:
SIC Description:

Waste Detail(s)

Waste Class: 242 L
Waste Class Name: Halogenated pesticides and herbicides

2020 Generator Info

Gen No: ON8244147
ID: 32994
Contaminated Fac: N
MHSW Facility: N
NAICS Code1: 541330
NAICS Code2:
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:

Choice of Contact: CO_OFFICIAL
Phone No Official: 613-548-3446 Ext.31
Phone No Admin:
County Ont: OTTAWA CARLTON (RM)
County Out:
District: 402

2020 Generator Manifest

ID: 56315
Generator No: ON8244147
Receiver Type: 035
Waste Char: L
Waste Code: 242

Sum Received Qty: 205.0
Waste Class Name: HALOGENATED PESTICIDES
Count Manifests: 1
District: 402

2021 Generator Info

Gen No: ON8244147
ID: 33772
Contaminated Fac: N
MHSW Facility: N
NAICS Code1: 541330
NAICS Code2:
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:

Choice of Contact: CO_OFFICIAL
Phone No Official: 613-548-3446 Ext.31
Phone No Admin:
County Ont: OTTAWA CARLTON (RM)
County Out:
District: 402

Site City:	Nepean
Province Out:	
Site Postal Code:	K2J 4J1
Site Country:	Canada
Co Official:	Eric Gallaway
Co Admin:	

15 | **1 of 1** | **NNE/234.4** | **89.9 / -0.76** | **lot 13 con 2 ON** | **WWIS**

Well ID:	7051025	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Not Used	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Abandoned-Other	**Date Received:**	10/22/2007
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	Yes
Audit No:	Z66810	**Contractor:**	7260
Tag:		**Form Version:**	3
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	013
Depth to Bedrock:		**Concession:**	02
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:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/705\7051025.pdf

Additional Detail(s) (Map)

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

Bore Hole Information

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

Annular Space/Abandonment Sealing Record

Plug ID:	44006585
Layer:	1
Plug From:	0.0
Plug To:	7.369999885559082
Plug Depth UOM:	m

Pipe Information

Pipe ID:	29051025
Casing No:	0
Comment:	
Alt Name:	

Hole Diameter

Hole ID:	46005096
Diameter:	10.15999984741211
Depth From:	0.0
Depth To:	7.369999885559082
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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16 ***1 of 1*** ***SSW/243.8*** ***90.8 / 0.12*** ***3420 Jockvale Road Ottawa ON*** ***SPL***

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

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:	

17 | **1 of 1** | **NE/246.8** | **90.0 / -0.67** | **lot 13 con 2 ON** | **WWIS**

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): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1505986.pdf

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:**	

Cluster Kind:
Date Completed: 10/30/1950
Remarks:
Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID:	961505986
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10576599
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

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

Results of Well Yield Testing

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

Water Details

Water ID:	933460033
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	47.0
Water Found Depth UOM:	ft

18	***1 of 1***	***NE/246.8***	***90.0 / -0.67***	***ON***	***BORE***

Borehole ID:	612035	***Inclin FLG:***	No
OGF ID:	215513345	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No

Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	OCT-1950	***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.26457
Total Depth m:	14.6	***Longitude DD:***	-75.732034
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	442571
Drill Method:		***Northing:***	5012602
Orig Ground Elev m:	88.4	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	88.9		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218389874	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	6.1	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Boulders	***Geologic Formation:***	
Material 2:	Clay	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	BOULDERS,CLAY.		

Geology Stratum ID:	218389875	***Mat Consistency:***	Hard
Top Depth:	6.1	***Material Moisture:***	
Bottom Depth:	14.3	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:		***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	HARDPAN.		

Geology Stratum ID:	218389876	***Mat Consistency:***	
Top Depth:	14.3	***Material Moisture:***	
Bottom Depth:	14.6	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:	Gravel	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	GRAVEL. 00047E. 00070.0 FEET.NE. GREY. 0006400122LIMESTONE. 0223BEDROCK.		

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: 04543 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		

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	
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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

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 #: 3324-5PXLMV
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:

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:

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:

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

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 Centrepointe 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:

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

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 Centrepointe 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:

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

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:

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:

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:

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:

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

Site Location Details:

Ottawa, Ontario CITY OF OTTAWA

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
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:
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:

Site Location Details:

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

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

Database: ***ECA***

Approval No:	6432-CA6MRC	***MOE District:***	Ottawa
Approval Date:	January 18, 2022	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	-8402261.5817000009
SWP Area Name:	South Nation	***Geometry Y:***	5691103.7277999958
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		

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

Database: ***ECA***

Approval No:	6142-BEJHCE	***MOE District:***	
Approval Date:	2019-08-01	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	Minto Communities Inc.		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/0892-BDSKVQ-14.pdf		
PDF Site Location:			

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

Database: ***ECA***

Approval No:	8605-AYUHJG	***MOE District:***	
Approval Date:	2018-05-30	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	Minto Communities Inc.		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/7723-AYKNXD-14.pdf		
PDF Site Location:			

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

Database: ***ECA***

Approval No:	3128-AQGJ6T	***MOE District:***	
Approval Date:	2017-08-23	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	Minto Communities Inc.		
Address:			
Full Address:			

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4569-AQCRKJ-14.pdf
PDF Site Location:

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:
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/1769-AKEQQZ-14.pdf
PDF Site Location:

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:
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/2553-8VDQUF-14.pdf
PDF Site Location:

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:
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 Developments Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2997-5SKKCW-14.pdf
PDF Site Location:

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:

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:
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/3873-9WWLDY-14.pdf
PDF Site Location:

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

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:
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/4552-AHSJ74-14.pdf
PDF Site Location:

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:
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/5664-AB4KGV-14.pdf
PDF Site Location:

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:
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/8185-A3PRB5-14.pdf
PDF Site Location:

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:
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/7322-9E4LGN-14.pdf
PDF Site Location:

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:
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/4553-95ZKWJ-14.pdf
PDF Site Location:

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

Database: ***ECA***

Approval No:	0195-95LSVA	***MOE District:***	
Approval Date:	2013-03-22	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	Minto Communities Inc.		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/1964-8XNJA4-14.pdf		
PDF Site Location:			

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

Database: ***ECA***

Approval No:	3053-8YJNWU	***MOE District:***	
Approval Date:	2012-10-01	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	Minto Communities Inc.		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/1397-8XNJGH-14.pdf		
PDF Site Location:			

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

Database: ***ECA***

Approval No:	1216-8Y2SKS	***MOE District:***	
Approval Date:	2012-09-18	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	City of Ottawa		
Address:	Jockvale Road		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/8054-8TJLH5-14.pdf		
PDF Site Location:			

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

Database: ***ECA***

Approval No:	1554-8Y2HZ6	***MOE District:***	
Approval Date:	2012-09-14	***City:***	
Status:	Revoked and/or Replaced	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	Minto Communities Inc.		
Address:			

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

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:
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/6465-8NETCD-14.pdf
PDF Site Location:

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

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

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

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

Bore Hole ID: 10051095
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 03/06/1997
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: 931073138
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

Overburden and Bedrock Materials Interval

Formation ID: 931073139
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: 12.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933114573
Layer: 2
Plug From: 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	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Commerical	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Observation Wells	***Date Received:***	02/14/1997
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	169508	***Contractor:***	6844
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	
Depth to Bedrock:		***Concession:***	02
Well Depth:		***Concession Name:***	OF
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:	10050869	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	12/18/1996	***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:	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 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:
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 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: 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 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: 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
Construction Date:
Use 1st:
Use 2nd:
Final Well Status:
Water Type:
Casing Material:
Audit No: 39047
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: 01/09/1989
Selected Flag: TRUE
Abandonment Rec:
Contractor: 5222
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 012
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10044999
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 07/15/1988
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: 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

Bore Hole ID: 10041904
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 07/08/1985
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: 931043594
Layer: 6
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 26
Material 2 Desc: ROCK
Material 3: 73
Material 3 Desc: HARD
Formation Top Depth: 68.0
Formation End Depth: 75.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

Formation ID: 931043589
Layer: 1
Color: 6
General Color: BROWN
Material 1: 01
Material 1 Desc: FILL
Material 2: 77
Material 2 Desc: LOOSE
Material 3: 79
Material 3 Desc: PACKED
Formation Top Depth: 0.0
Formation End Depth: 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	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	03/18/1982
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	1558
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	013
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:	10039625	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	02/23/1982	***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:	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 ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Apr 30, 2022

Environmental Penalty Annual Report: Provincial EPAR

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment, Conservation and Parks (MECP). These reports provide information on environmental penalties for land or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 2024

List of Expired Fuels Safety Facilities: Provincial EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Oct 2023

Federal Convictions: Federal FCON

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

Government Publication Date: Jun 2000-Jan 2025

Fisheries & Oceans Fuel Tanks: Federal FOFT

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS): Federal FRST

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

Government Publication Date: Oct 31, 2021

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Oct 2023

Fuel Storage Tank - Historic: Provincial FSTH

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. As of January 1, 2023, businesses and institutions subject to the amended Reg. 347: General – Waste Management are required to report their activities and pay fees through Resource Productivity & Recovery Authority (RPRA) online Hazardous Waste Program Registry (HWPR) rather than the Hazardous Waste Information Network (HWIN) system previously operated by the Ministry of the Environment, Conservation and Parks (MECP). Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Dec 31, 2024

Greenhouse Gas Emissions from Large Facilities: Federal GHG

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO2 eq).

Government Publication Date: 2013-Apr 2024

TSSA Historic Incidents: Provincial HINC

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing in a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: 31 Oct, 2023

Landfill Inventory Management Ontario: Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Mar 31, 2022

Canadian Mine Locations: Private MINE

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Government Publication Date: 1846-Feb 2025

National Analysis of Trends in Emergencies System (NATES): Federal NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

The Ministry of the Environment Conservation and Parks (MECP) provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act. MECP publicly releases the Environmental Compliance Report (ECR) on the Ontario Data Catalogue. In Ontario, all facilities with regulated wastewater discharges or air emissions under the Ontario Water Resources Act and the Environmental Protection Act must monitor and report any cases where approved operating limits have been exceeded.

Government Publication Date: Dec 31, 2023

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

Government Publication Date: Mar 1999-Nov 2023

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2008-May 31, 2025

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPR2

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of pollutant releases (to air, water and land), disposals, and transfers for recycling. The inventory, managed by Environment and Climate Change Canada, tracks over 300 substances. Under the authority of the Canadian Environmental Protection Act (CEPA), owners or operators of facilities that meet published reporting requirements are required to report to the NPRI.

Government Publication Date: Feb 2024

National Pollutant Release Inventory - Historic: Federal NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-Feb 28, 2025

Ontario Oil and Gas Wells: Provincial OOGW

In 1998, the Ministry of Natural Resources (MNR) handed over to the Ontario Oil, Gas and Salt Resources (OGSR) Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database includes well owner/operator, location, permit issue date, and well cap date, license number, status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provided for each well record.

Government Publication Date: 1800-Aug 2024

Inventory of PCB Storage Sites: Provincial OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Orders: Provincial ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994 - Jun 30, 2025

Canadian Pulp and Paper: Private PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks: Federal PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: Oct 2011 - 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 in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2021

Potential PFAS Handlers from EASR: Provincial PPHA

The Ontario Environmental Activity and Sector Registry (EASR), described in Ontario Regulation 245/11, allows businesses with less complex operations - and hence not requiring an Environmental Compliance Approval - to register their activities with the Ontario Ministry of the Environment, Conservation and Parks (MECP). This list of potential PFAS handlers includes those EASR facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used.

Government Publication Date: Jun 30, 2024

Private and Retail Fuel Storage Tanks: Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - 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

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PATERSON GROUP

solution oriented engineering

Mark S. D'Arcy, P.Eng., QP$_{ESA}$
Director – Environmental Division

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

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

LICENCE/PROFESSIONAL AFFILIATIONS
Professional Engineers of Ontario

ESA Qualified Person with MECP

Ontario Society of Professional Engineers

Consulting Engineers of Ontario

YEARS OF EXPERIENCE
With Paterson: 33

OFFICE LOCATION
9 Auriga Drive, Ottawa, Ontario, K2E 7T9

SELECT LIST OF PROJECTS

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

PROFESSIONAL EXPERIENCE

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

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

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

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