Phase One Environmental Site Assessment

3990 & 4016 Old Richmond Road, 572 Moodie Drive, Ottawa, Ontario

Client:
Jami Omar Mosque

Type of Document:
Final

Project Name:
Phase One Environmental Site Assessment

Project Number:

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Legal Notification

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Table of Contents

List of Figures

List of Appendices

Executive Summary

EXP Services Inc. (EXP) was retained by Jami Omar Mosque to complete a Phase One Environmental Site Assessment (ESA) of the properties located at 3990 and 4016 Old Richmond Road and 572 Moodie Drive, Ottawa, Ontario hereinafter referred to as the 'Phase One property'. At the time of the investigation, the Phase One property was improved with two buildings, a mosque and a vacant bungalow that was used prior to the construction of the existing mosque.

A Phase One ESA is a systematic qualitative process to assess the environmental condition of a site based on its historical and current uses. This Phase One ESA was conducted in accordance with the Phase One ESA standard as defined by Ontario Regulation 153/04, as amended, and in accordance with generally accepted professional practices.

The purpose of this Phase One ESA is to determine if past or present site activities have resulted in actual or potential contamination at the Phase One property. It is understood that the report will be used to support a site plan application.

The purpose of this Phase One ESA is to determine if past or present site activities have resulted in actual or potential contamination at the Phase One property. EXP understands that the most recent use of the property at 4016 Old Richmond Road is a vacant lot, a property use that is not defined by Ontario Regulation 153/04. The properties at 3990 Old Richmond Road and 572 Moodie Drive have most recently been used for institutional purposes. The proposed use for 3990 Old Richmond Road will remain the same. The proposed use for the other properties is multi-storey residential buildings. Therefore, as per the amendments to Ontario Regulation 153/04 that came into effect on December 4, 2019, a Record of Site Condition (RSC) is not required.

Please note that as a result of the COVID-19 pandemic, the government has closed various institutions which severely limits/eliminates EXP's ability to access government libraries and archives and prepare a detailed historical search of the Site and surrounding areas, as such the city directories were unavailable for review. An update will be provided for this report if the conclusions or recommendations change when the information becomes available.

The Phase One property consists of three separate adjacent properties, 3990 and 4016 Old Richmond Road, and 572 Moodie Drive. The Phase One property is located 125 m south of the intersection of Old Richmond Road and Moodie Drive, Ottawa, Ontario. The Phase One property is irregular in shape with an area of approximately 1.37 hectares (3.38 acres).

The legal description of the Phase One property is:

> 3390 Old Richmond Road – PT OF LT 32 AND 33 CONCESSION 5 RIDEAU FRONT, PTS 1, 2, AND 3 PLAN 4R1193, EXCEPT PTS 1, 2, 3 AND 3 PLAN 4R10307 AND EXCEPT PTS 1 AND 2 PLAN 4R14693, NEPEAN
>
> 4016 Old Richmond Road – PT LTS 32 AND 33 CON 5 RF AS IN N361521 NEPEAN
>
> 572 Moodie Drive – PT LT 32 CON 5 RF, PTS 2 & 3 4R1899 NEPEAN

The property located at 3990 Old Richmond Road is currently occupied by the Jami Omar Mosque. The property identification number is 046320232. The property located at 4016 Old Richmond Road is currently a vacant gravel covered lot used as additional parking for the mosque. The PIN for this property is 046320005. The property located at 572 Moodie Drive is improved with a vacant building that that was used prior to the construction of the current mosque. The PIN for this property is 046320008.

Based on a review of historical aerial photographs, historical maps, fire insurance plans and other records the Phase One property consists of three separate properties.

The property at 3990 Old Richmond Road was first developed between in 2011 with the existing mosque. The property at 4016 Old Richmond Road currently consists of a gravelled parking area and has always been vacant. The property at 572 Moodie Drive was first developed between 1976 and 1985 as a facility owned by the Baptist Bible Church.

There were no water bodies on the subject site. The closest body of water is an unnamed creek which drains to the City of Ottawa storm sewer behind D.A. Moodie Intermediate School, 170 m east of the Phase One property. The Stony Swamp

located 130 m south of the Phase One property is an Area of Natural Significance (ANSI). The Greenbelt is also present in the Phase One study area, 160 m south and 30 m east of the Phase One property.

There were 24 records found in the Water Well Information System (WWIS) database for the Phase One study area. No records were found for the Phase One property. he MOE water well records identified 23 domestic wells and 1 monitoring well within 250 m.

Due to the age of the building at 572 Moodie Drive, it is considered likely that it may contain designated substances. Therefore, prior to renovation or demolition, a Designated Substance Survey (DSS) is recommended for this building.

No potentially contaminating activities (PCA) were identified for the Phase One property or study area. No areas of potential environmental concern were identified at the Phase One property. No further environmental work is recommended for the Phase One property.

The Qualified Person can confirm that the Phase One Environmental Site Assessment was conducted per the requirements of Ontario Regulation 153/04, as amended, and in accordance with generally accepted professional practices.

This executive summary is a brief synopsis of the report and should not be read in lieu of reading the report in its entirety.

1.0 Introduction

EXP Services Inc. (EXP) was retained by Jami Omar Mosque to complete a Phase One Environmental Site Assessment (ESA) of the properties located at 3990 and 4016 Old Richmond Road and 572 Moodie Drive, Ottawa, Ontario hereinafter referred to as the 'Phase One property'. At the time of the investigation, the Phase One property was improved with two buildings, a mosque and a vacant bungalow that was used prior to the construction of the existing mosque.

A Phase One ESA is a systematic qualitative process to assess the environmental condition of a site based on its historical and current uses. This Phase One ESA was conducted in accordance with the Phase One ESA standard as defined by Ontario Regulation 153/04, as amended, and in accordance with generally accepted professional practices. Subject to this standard of care, EXP makes no express or implied warranties regarding its services and no third-party beneficiaries are intended. Limitation of liability, scope of report and third-party reliance are outlined in Section 9 of this report.

Please note that general environmental management and housekeeping practices were reviewed as part of this assessment insofar as they could impact the environmental condition of the property, however, a detailed review of regulatory compliance issues was beyond the scope of our investigation. This Phase One ESA does not constitute an audit of environmental management practices, indicate geotechnical conditions or identify geologic hazards.

1.1 Objective

The purpose of this Phase One ESA is to determine if past or present site activities have resulted in actual or potential contamination at the Phase One property. It is understood that the report will be used to support a site plan application.

The most recent use of the property at 4016 Old Richmond Road is a vacant lot, a property use that is not defined by Ontario Regulation 153/04. The properties at 3990 Old Richmond Road and 572 Moodie Drive have most recently been used for institutional purposes. The proposed use for 3990 Old Richmond Road will remain the same. The proposed use for the other properties is multi-storey residential buildings. Therefore, as per the amendments to Ontario Regulation 153/04 that came into effect on December 4, 2019, a Record of Site Condition (RSC) is not required.

1.2 Phase One Property Information

The Phase One property consists of three separate adjacent properties, 3990 and 4016 Old Richmond Road, and 572 Moodie Drive. The Phase One property is located 125 m south of the intersection of Old Richmond Road and Moodie Drive, Ottawa, Ontario. The Phase One property is irregular in shape with an area of approximately 1.37 hectares (3.38 acres).

The legal description of the Phase One property is:

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The approximate Universal Transverse Mercator (UTM) coordinates for the Phase One property centroid was NAD83 18T 435095.73 m E, 5017864.44 m N. The UTM coordinates were based on measurements from Google Earth Pro, published by the Google Limited Liability Company (LLC). The accuracy of the centroid is estimated to be less than 10 m.

The current property owner is: Jamiatal Muslemeen of Ottawa Carleton (JMOC)

The site is relatively flat, some areas of the parking lot have been sloped to facilitate drainage to catch basins. The surrounding areas are mostly residential, with a vacant property north adjacent. Local topography slopes downwards to the northeast.

Authorization to proceed with this investigation was provided by Imam Anver Malam on behalf of the Jami Omar Mosque. Contact information for Imam Anver is 3990 Old Richmond Road, Ottawa, ON K2H 8R5.

The Phase One property site location and site layout are shown in Appendix B on Figure 1 and Figure 2, respectively.

2.0 Scope of Investigation

The scope of work for the Phase One ESA consisted of the following activities:

- Reviewing the historical occupancy of the Phase One property through the use of available archived and relevant municipal and business directories, fire insurance plans (FIPs), topographical maps, and aerial photographs;
- Reviewing municipal and provincial records to determine whether activities that have occurred within the Phase One study area pose a potential environmental concern to the Phase One property;
- Obtaining an EcoLog Environmental Risk Information Services Ltd. (ERIS) report for the Phase One property and surrounding properties within a 250-metre radius of the Phase One property;
- Reviewing available geological maps, well records and utility maps for the vicinity of the Phase One property;
- Obtaining a search of land title and assessment rolls for the Phase One property;
- Conducting at least one reconnaissance of the Phase One property and surrounding properties within a 250-metre radius of the Phase One property in order to identify the presence of actual and/or potential environmental contaminants or concerns of significance;
- Conducting interviews with designated representative(s) as a resource for current and historical information;
- Reviewing the current use of the Phase One property and any land use practices that may have impacted its environmental condition;
- Reviewing the current use of the surrounding properties and any land use practices that may have impacted the environmental condition of the Phase One property; and,
- Preparing a report to document the findings.

In completing the scope of work, EXP did not conduct any intrusive investigations, including sampling, analyses, or monitoring. EXP has confirmed neither the completeness nor the accuracy of any of the records that were obtained or of any of the statements made by others.

EXP personnel who conducted assessment work for this project included Leah Wells, E.I.T., and Mark McCalla, P.Geo. An outline of their qualifications is provided in Appendix A.

3.0 Records Review

3.1 Phase One ESA Study Area Determination

The Phase One study area comprises the Phase One property and surrounding properties wholly or partly within 250 metres of the property boundaries. The 250-metre radius was used to gain an understanding of the current and past uses of surrounding properties to determine whether such uses may have contributed to subsurface environmental impacts at the Phase One property.

According to the City of Ottawa zoning by-laws, the Phase One property is zoned for residential and institutional use. The property at 4016 Old Richmond Road is zoned R1FF for residential use. The properties at 3099 Old Richmond Road and 572 Moodie Drive are zoned I1B 407 [H], minor institutional zone. The surrounding properties of the Phase One property are generally designated for residential use. The Phase One property is bordered to the north by a vacant property, to the east by Moodie Drive followed by a public school and residential properties, to the south by residential properties followed by the Greenbelt and to the west by Old Richmond Road, followed by residential properties.

The Phase One study area is shown on Figure 3 in Appendix B.

3.2 First Developed Use Determination

Based on a review of historical aerial photographs, historical maps, fire insurance plans and other records the Phase One property consists of three separate properties.

The property at 3990 Old Richmond Road was first developed between in 2011 with the existing mosque. The property at 4016 Old Richmond Road currently consists of a gravelled parking area and has always been vacant. The property at 572 Moodie Drive was first developed between 1976 and 1985 as a facility owned by the Baptist Bible Church.

3.3 Fire Insurance Plans

A search of The Catalogue of Canadian Fire Insurance Plans 1875 – 1975 (Catalogue) was conducted to determine if fire insurance plans (FIPs) for the site existed. No FIPs exist for the Phase One study area.

3.4 Chain of Title

A chain of title was requested from Read Abstracts Limited for the Phase One property. A chain of title search provides a list of property owners and the dates when they owned them.

The results of the chain of title are presented in Appendix C. The ownership history of the Phase One property is provided below.

- The property at 3990 Old Richmond Road has been owned by JMOC since 2001. Prior to that the property was owned by private individuals. PIN 04632-0232.
- The property at 4016 Old Richmond Road has been owned by JMOC since 2005. Prior to this, the property was privately owned by the same family since 1986. Prior to that the property was owned by private individuals. PIN 04632-0005.
- The property at 572 Moodie Drive has been owned by JMOC since 1994. Prior to this, the property was owned by the trustees of the Bible Baptist Church since 1985. Prior to that the property was owned by private individuals. PIN 04632-0008.

3.5 Environmental Reports

No environmental reports were provided for review.

3.6 Environmental Source Information

Information pertaining to the Phase One property was obtained by reviewing documents that are available to the public through municipal and provincial sources. EXP did not identify the need to contact any federal agencies.

Written responses from regulatory agencies and copies of documents obtained via searches are provided in Appendix C.

3.6.1 Ontario Ministry of the Environment, Conservation and Parks Records

On July 29, 2020, records pertaining to the site were requested from the Ministry of the Environment, Conservation and Parks (MECP) through the *Freedom of Information and Protection of Privacy Act* (FOI). To date, no response has been received. If environmentally significant information is obtained from the MECP search, it will be provided as an addendum to this report.

3.6.2 Historical Land Use Inventory

On July 29, 2020, records pertaining to the site were requested from the City of Ottawa for the Historical Land Use Inventory (HLUI) through the *Municipal Freedom of Information and Protection of Privacy Act* (FOI). To date, no response has been received.

3.6.3 Environmental Registry

On July 28, 2020, the MECP Environmental Registry website was searched for postings in the vicinity of the Phase One property. Search parameters included: “Old Richmond Road”, “Moodie Drive” and “Seyton Drive”. No postings were identified for the Phase One study area.

3.6.4 Environmental Access

On July 28, 2020, the MECP Environmental Access website was searched for postings within the Phase One study area.

- 572 Moodie Drive (Phase One property) – ECA issued for sanitary sewer construction on a municipal road allowance on Seyton Drive. Approved March 2006, approval number 2370-6MNLND.
- 4022 Old Richmond Road (West adjacent, subdivided for townhouse lots) – ECA issued for storm and sanitary sewers to be constructed for new development. Approved September 2010, approval number 5746-89AQZW.
- 4026 Old Richmond Road (95 m southwest of the Phase One property) – ECA issued for standby diesel generator for emergency use. Approved December 2003, approval number 2489-5TUS47.

Based on the distance form the Phase One property and the nature of the ECA applications, it is unlikely that any of the records poses an environmental concern to the Phase One property.

3.6.5 Hazardous Waste Information Network

On July 28, 2020 the MECP Hazardous Waste Information Network (HWIN) website was searched for registered waste generators within the Phase One study area. Search parameters included “Moodie”, “Old Richmond”, “Royal Canadian Legion”, “Ottawa-Carleton District School Board”, and all of the other commercial establishments listed in the ERIS report. No records were found.

3.6.6 Records of Site Condition

On July 28, 2020, the MECP Brownfields Registry website was searched for postings of Records of Site Condition (RSC) within the Phase One study area. No records were found.

3.6.7 Coal Gasification Plants

Documents entitled *Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario* prepared by the MECP and *Inventory of Coal Gasification Plant Waste Sites in Ontario* prepared by Intera Technologies Ltd. were reviewed. There were no coal gasification plants identified within the Phase One study area.

3.6.8 PCB Storage Sites

Documents entitled *National Inventory of PCBs in Use and PCB Wastes in Storage in Canada*, *2003 Annual Report* prepared by Environment Canada and *Ontario Inventory of PCB Storage Sites* prepared by the MECP were reviewed. No records pertaining to PCB storage sites were identified within the Phase One study area.

3.6.9 Waste Disposal Sites

The document entitled *Waste Disposal Site Inventory* prepared by the MECP were reviewed. No former landfills or waste disposal sites were identified within the Phase One study area.

3.6.10 Street Directories

As a result of the COVID-19 pandemic, the government has closed various institutions which severely limits/eliminates EXP's ability to access government libraries and archives and prepare a detailed historical search of the Site and surrounding areas, as such the city directories were unavailable for review. An update will be provided for this report if the conclusions or recommendations change when the information becomes available.

3.7 EcoLog ERIS Database Search

A search of provincial and federal databases for records pertaining to the Phase One property and properties within the Phase One study area was conducted by EcoLog ERIS. EXP has confirmed neither the completeness nor the accuracy of the records that were provided. A summary of the more significant findings is provided below. A copy of the EcoLog ERIS report is provided in Appendix D.

Location	Proximity to the Phase One Property	Description	Database	Environmental Concern to Phase One Property (Yes/No) & Rationale
75 Songbird Private	25 m south	The incident relates to a natural gas leak from a pipeline that was damaged during excavation.	*HINC*	No – Since the gas discharged to the atmosphere.
595 Moodie Drive	30 m east	D.A. Moodie Intermediate High School registered was generator of paint/pigment/coating residues, organic and inorganic laboratory chemicals, waste oils and lubricants, and waste compressed gases (2007 to 2013; Generator ON2632557.	*GEN*	No – The location of the site is cross gradient to the inferred groundwater flow direction. Wastes are likely handled in small quantities.

Location	Proximity to the Phase One Property	Description	Database	Environmental Concern to Phase One Property (Yes/No) & Rationale
		April 18, 1998 unknown quantity of heating oil leaked from underground tank due to corrosion.	*SPL*	
11D Forester Crescent	125 m southwest	October 11, 2019 unknown quantity of paint spilled to catch basin in front of residential property.	*SPL*	No – Due to inferred small volume spilled and distance from the site.
38A Forester Crescent	125 m southwest	The incident relates to a natural gas vapour release and fire relating to cooking equipment.	*INC*	No – Since the gas discharged to the atmosphere.

Databases:

GEN – Ontario Regulation 347 Waste Generators Summary
HINC – TSSA Historic
INC – Fuel Oil Spills and Leaks
SPL – Ontario Spills

In addition to the databases outlined above the following entries from the EcoLog ERIS report were reviewed and summarized below:

- There were 24 records found in the Water Well Information System (WWIS) database for the Phase One study area. No records were found for the Phase One property. he MOE water well records identified 23 domestic wells and 1 monitoring well within 250 m.

Based on the review of the ERIS report no PCAs were identified.

3.8 Physical Setting Sources

3.8.1 Aerial Photographs

Aerial photographs dated 1965, 1976, 1991, 2002, 2007, 2011, and 2017 were reviewed. Aerial photographs dated prior to 1965 were not available for review. The following table summarizes the development and land use history of the Phase One property and adjacent properties as depicted on the reviewed aerial photographs. Copies of the aerial photographs are provided in Appendix E.

Aerial Photograph (year)	Details
1965	A drainage ditch running through all three of the properties, the remainder of the Phase One property appears to be vacant. The properties north and east of the site have been developed as single family residential. The land south and west of the Phase One property appears to be used for agricultural purposes.
1976	The Phase One property is vacant, the drainage dich no longer appears to be present. Ground cover appears to consist primarily of grass. The south part of the property at 572 Moodie Drive is treed. A school has been constructed to the east of the Phase One property. Additional residential development has occurred to the north. The remainder of the Phase One study area remains undeveloped/agricultural land.
1991	The east part of the property at 572 Moodie Drive has been developed with a residential dwelling (fronting Moodie Drive). Additional residential development has occurred to the north and west of the Phase One property. The remainder of the Phase One property and study area is similar to the 1976 aerial photograph.
2002	A gravel parking lot has been constructed on the west part of 572 Moodie Drive. The remainder of the Phase One property and study area is similar to the 1991 aerial photograph.

Aerial Photograph (year)	Details
2007	The parking area at 572 Moodie Drive has been expanded, and now includes the property at 4016 Old Richmond Road. Clearing of the property at 3990 Old Richmond Road has begun in preparation for the construction of the mosque. Townhouse residential development has begun south of the Phase One property. The remainder of the Phase One study area is similar to the 2002 aerial photograph.
2011	Construction of the exterior of the mosque appears to be completed. The property south adjacent to the Phase One property has been cleared for future development. The remainder of the Phase One property and study area is similar to the 2007 aerial photograph.
2017	The west part of 572 Moodie Drive and the parts of 3990 Old Richmond Road not occupied by the building footprint have been paved for parking areas. The remainder of the Phase One property and study area is similar to the 2011 aerial photograph.

Based on the review of the aerial photographs, no PCAs have been identified in the Phase One study area.

3.8.2 Topography, Hydrology, Geology

Bedrock and surficial geology were reviewed via the Google Earth applications published by the Ontario Ministry of Energy, Northern Development and Mines. The bedrock geology application is available via www.mndm.gov.on.ca/en/mines-and-minerals/applications/ogsearth/bedrock-geology and was last modified on March 19, 2018. The surficial geology application is available via www.mndm.gov.on.ca/en/mines-and-minerals/applications/ogsearth/surficial-geology and was last modified on May 23, 2017.

Based on these applications, bedrock in the general area of the Phase One property consists of dolostone and sandstone of the Beekmantown Group. Native surficial soil consists of glaciomarine deposits of silt and clay. Ground surface is approximately 99 metres above sea level (masl). Based on the site visit, the local topography slopes to the northeast.

A topographical map available from Natural Resources Canada (atlas.gc.ca/toporama/en/) was also reviewed. The local topography of the Site has a slight downwards slope towards the northeast.

The inferred groundwater flow direction is northeast towards the Ottawa River.

The topographical map was used as the base of the Site Location Plan, Figure 1, as shown in Appendix B.

3.8.3 Fill Materials

It is not anticipated that significant amounts of fill material are present at the site.

3.8.4 Water Bodies and Areas of Natural Significance

There were no water bodies on the subject site. The closest body of water is an unnamed creek which drains to the City of Ottawa storm sewer behind D.A. Moodie Intermediate School, 170 m east of the Phase One property.

The Stony Swamp located 130 m south of the Phase One property is an Area of Natural Significance (ANSI), according to the Ministry of Natural Resources and Forestry Natural Heritage website (www.gisapplication.lrc.gov.on.ca/mamnh/Index.html).

The National Capital Commission Greenbelt is also present in the Phase One study area, 160 m south and 30 m east of the Phase One property.

3.8.5 Well Records

The Ontario well records website (www.ontario.ca/environment-and-energy/map-well-records water wells) was accessed. There were records for 24 wells within the Phase One study area.

Based on the well records for the Phase One study area, overburden stratigraphy generally consisted of silty clay soil from 0 to 4 metres below ground surface (mgbs) and is underlain by sandstone bedrock.

There are no oil, gas, or salt wells within the Phase One study area, according to the Oil, Gas & Salt Resources Library (maps.ogsrlibrary.com/wells/).

3.9 Site Operating Records

No site operating records were available for review.

3.10 Summary of Records Review

Based on a review of the available records, no areas of potential environmental concern were identified.

4.0 Interviews

Interviews were conducted by EXP with the individuals identified to be the most knowledgeable about both the current and historical Phase One property uses. The purpose of interviews is to obtain information to assist in identifying areas of potential environmental concern and identify details of potentially contaminating activities or potential contaminant pathways, in, on or below the Phase One property.

Imam Anver Malam was interviewed in person during the site visit on July 28, 2020 by EXP personnel. He provided access to the Phase One property buildings and provided information regarding the operations of the Phase One property.

Imam Anver was unaware of the date of construction of the vacant building. He indicated that the vacant building was purchased in 1993 from the Baptist Bible Church. Construction of the mosque at 3990 Richmond Road begun circa 2011. Approximately 8 years ago, use of the building at 572 Moodie was discontinued, and operations moved to the basement of the new mosque. The mosque was completed four years ago.

Responses to other questions were made during site reconnaissance and are discussed in section 5.0.

5.0 Site Reconnaissance

5.1 General Requirements

On July 28, 2020, Ms. Leah Wells, E.I.T. of EXP conducted the Phase One property visit under the supervision of Mr. Mark McCalla, P. Geo., the Qualified Person overseeing this investigation. The site visit was conducted in accordance with EXP's internal health and safety protocols and with the Ministry of Labour health and safety regulations. The purpose of the site visit was to assess the current conditions of the Phase One property.

The general environmental management and housekeeping practices at the Phase One property were reviewed as part of this assessment insofar as they could impact the environmental condition of the property; however, a detailed review of regulatory compliance issues was beyond the scope of EXP's investigation.

Observations of the subject property and surrounding properties were made. The site reconnaissance began at approximately 12:00 p.m. and lasted approximately 45 minutes. The weather was approximately 30 °C and sunny. Adjacent properties were observed from within the grounds of the Phase One property, as well as publicly accessible areas. Photographs documenting the site visit are included in Appendix F.

5.2 Specific Observations at the Phase One Property

5.2.1 Buildings and Structures

The Phase One property is comprised of three separate properties, two of which are occupied by buildings. The property at 4016 Old Richmond Road consists of a vacant gavel lot.

The property at 3990 Old Richmond Road is occupied by a mosque and paved parking. The mosque faces Old Richmond Road. The basement is completely finished, as it served as the occupied space prior to the completion of the main floors. The remainder of the property consists primarily of paved parking areas. Heating and cooling of the building are provided by roof-top mounted natural gas fired HVAC units.

The property at 572 Moodie Drive is occupied by a single-story building with a basement. The building faces Moodie Drive and has not been occupied for approximately eight years. The property can be accessed via driveway from Moodie Drive or the parking area at 3990 Richmond Road. The remainder of the property consists of paved parking. Heating was provided to the building via natural gas fired furnace. Cooling was provided via side yard air conditioner unit located on the east side of the building.

5.2.2 Site Utilities and Services

The Phase One property is supplied by municipal water provided by the City of Ottawa. The source of municipal water is the Ottawa River. Sewage, wastewater and solid waste for the Phase One property are also managed by the City of Ottawa. A municipal storm sewer line runs east west through the Phase One property, along the property boundary between 3990 Old Richmond Road and the south adjacent properties.

A pad mounted transformer is present at the southwest corner of 3990 Old Richmond Road.

5.3 Storage Tanks

5.3.1 Underground Storage Tanks

No UST were observed on the Phase One property and there was no evidence of historical UST.

5.3.2 Above Ground Storage Tanks

No AST were observed on the Phase One property and there was no evidence of historical AST.

5.4 Chemical Storage Handling and Floor Condition

Chemical use on the Phase One property was predominantly limited to commonly available retail sized containers of cleaners and detergents, as well as common maintenance chemicals such as paint. All chemicals observed on the Phase One property were stored in small quantities and in their original retail packaging or approved containers.

The chemical storage containers on the Phase One property were observed to be in good condition at the time of EXP's site visit. Flooring in the vicinity of any chemical storage areas was observed to be in good condition, free of damage or staining. As such, the potential environmental concern to the subsurface environmental conditions of the Phase One property from the use of chemicals is considered to be low.

5.5 Areas of Stained Soil, Pavement or Stressed Vegetation

No areas of significant staining of soil or pavement was observed on the Phase One property at the time of EXP's site visit. Further, the vegetation on the property did not appear to be stressed.

5.6 Fill and Debris

It is not anticipated that significant amounts of fill material are present at the site. The property at 3990 Old Richmond Road appears to have been levelled at the time the mosque was constructed. As this construction occurred recently (approximately 10 years ago), it is assumed that any fill imported to site was of known quality. The site is approximately 0.75m higher than the residential properties to the east. A small retaining wall runs along the east property line. The parking area on the south part of 572 Moodie Drive is lower than the adjacent properties to the south and west. A small retaining wall is also present along these property boundaries. Regionally, the topography appears to slope towards the northeast.

5.7 Air Emissions

Regulatory control of air emissions in Ontario is the responsibility of the MECP. According to the Environmental Protection Act (EPA), an ECA (Air) is required for the ongoing operation of any equipment that may discharge a contaminant into the natural environment if the equipment was installed, modified or altered after June 29, 1988.

During the site visit no emergency powered generators were observed. Therefore, no air emissions of concerns were identified at the time of the site visit.

5.8 Odours

No strong odours were present during the site visit.

5.9 Noise

No excessive noise was heard during the site visit.

5.10 Other Observations

There were no pits or lagoons, no railways or spurs, and no unidentified substances observed on the Phase One property.

5.11 Special Attention Items, Hazardous Building Materials and Designated Substances

5.11.1 Asbestos

Asbestos-containing materials (ACM) are fibrous hydrated silicates and can be found in building materials as either "unbound" or "bound" asbestos. Friable asbestos refers to materials where the asbestos fibres can be separated from the material with which it is associated. Non-Friable asbestos refers to asbestos that is associated with a binding agent (such as tar or cement). Friable asbestos is commonly found in boiler and pipe insulation. Non-Friable asbestos is typically found in roofing tars, floor and ceiling tiles, and asbestos-containing cement.

ACM in the workplace are defined as a Designated Substance under the Ontario Occupational Health and Safety Act (OHSA). Under OHSA, persons in the workplace are required to be notified of the presence of ACMs once they are suspected to be present, and if there is a potential for workers to be exposed. The use of ACM was discontinued in Canada in the late 1970s/early 1980s, although non-friable asbestos can still be found in recently constructed buildings.

Based on the age of the vacant building at the Phase One property, ACM may be present. Therefore, prior to renovation or demolition, a Designated Substance Survey (DSS) is recommended for this building. It is unlikely that ACM are present in the mosque.

5.11.2 Ozone Depleting Substances (ODSs)

Chlorofluorocarbons (CFC), often referred to as freons, ceased production in Canada in 1993 as a result of their ozone-depleting characteristics. Importation of CFCs into Canada ceased in 1997 and a total ban on their use is proposed for 2020. The use of these materials is still permitted in existing equipment, but equipment must be serviced by a licensed contractor such that CFCs are contained and not released to the environment during servicing or operation.

Under the management of a licensed contractor, the subject systems do not represent a significant concern to human health or the environment. However, if present, CFCs will require replacement by 2030.

Maintenance of refrigerant containing equipment should continue to be completed by a licensed refrigeration contractor. The equipment should only be repaired, removed, or serviced by an appropriately licensed contractor.

5.11.3 Lead

Lead has frequently been used in oil-based paints, roofing materials, cornices, tank linings, electrical conduits and soft solders for tinplate and plumbing. The use of lead-based paints (LBPs) was phased out *circa* 1976. Paint that was produced or used between 1976 and 1980 may contain small amounts of lead. Paint that was produced or used prior to 1950 may contain higher levels of lead. The main concern regarding lead paint is its potential to become lead dust or chips either through deterioration and/or mechanical means (i.e., sanding, abrasion, etc.). Exposure to lead dust or chips occurs by ingestion or inhalation.

Based on the age of the vacant building, LBPs may be present. The painted surfaces observed in the vacant building during EXP's site visit were observed to be in fair condition. Prior to renovation or demolition, a DSS is recommended for this building. It is unlikely that LBPs are present in the mosque.

5.11.4 Mercury

Mercury could be found in some batteries, light bulbs, old paints, thermostats, old mirrors, etc. Based on an investigation by Consumer and Corporate Affairs Canada, and an assessment of potential health risks by Health and Welfare Canada, in 1991 the decision was made to eliminate the use of mercury compounds in indoor latex paints. The Canadian Paint and Coatings Association (CPCA) supported the withdrawal and all Canadian manufacturers and formulators of the preservative voluntarily agreed to remove "interior uses" from their product labels.

Mercury-containing equipment was not observed during the Site visit. The interior painted surfaces of the vacant building observed during EXP's site visit were in fair condition. Prior to renovation or demolition, a DSS is recommended for this building. It is unlikely that mercury containing equipment are present in the mosque and no mercury-containing thermostats were observed in the building.

5.11.5 Polychlorinated Biphenyls (PCB)

The manufacture of PCB in North America was prohibited under the Toxic Substances Control Act (1977). Their use as a constituent of new products manufactured in or imported into Canada was prohibited by regulations in 1977 and 1980. As such, sites developed or significantly renovated after 1980 are unlikely to have PCB-containing equipment on the Phase One property. Potential equipment, which could contain PCB include fluorescent mercury and sodium vapour light ballasts, oil filled capacitors and transformers. Any electrical equipment containing PCB must be disposed of in accordance with Ontario Regulation 362 when it is removed from service. Ongoing operation of equipment containing PCB is permissible.

There was no evidence of PCB-containing equipment on the Phase One property. One pad-mounted transformer was observed on the southwest corner of 3990 Old Richmond Road, the nature of the oils inside the transformer, if any, is unknown. No staining was observed in the area of the exterior transformer. A dry type transformer was present in the electrical room of the mosque.

5.11.6 Urea Formaldehyde Foam Insulation

Formaldehyde is a pungent, colourless gas commonly used in water solution as a preservative and disinfectant. It is also a basis for major plastics, including durable adhesives. It occurs naturally in the human body and in the outdoor environment. Formaldehyde is used to bond plywood, particleboard, carpets, and fabrics, and it contributes to "that new house smell."

Formaldehyde is also a by-product of combustion; it is found in tobacco smoke, vehicle exhaust and the fumes from furnaces, fireplaces and wood stoves. While small amounts of formaldehyde are harmless, it is an irritating and toxic gas in significant concentrations. Symptoms of overexposure to formaldehyde include irritation to eyes, nose, and throat; persistent cough and respiratory distress; skin irritation; nausea; headache; and dizziness.

Urea-formaldehyde foam insulation (UFFI) was developed in Europe in the 1950s as an improved means of insulating difficult-to-reach cavities in the walls. It is typically made at a construction site from a mixture of urea-formaldehyde resin, a foaming agent and compressed air. When the mixture is injected into the wall, urea and formaldehyde unite and "cure" into an insulating foam plastic.

During the 1970s, when concerns about energy efficiency led to efforts to improve building insulation in Canada, UFFI became an important insulation product for existing buildings. The further use of UFFI was banned in Canada in 1980.

No evidence of UFFI was observed during the site visit.

5.11.7 Radon

Radon is a colourless, odourless, radioactive gas that occurs naturally in the environment. It comes from the natural breakdown of uranium in soils and rocks. Exposure to high levels of radon increases the risk of developing lung cancer. This relationship has prompted concern that radon levels in some Canadian buildings may pose a health risk. Radon gas can move through small spaces in the soil and rock and seep into a building through cracks in concrete, sumps, joints, and basement drains. Concrete-block walls are particularly porous to radon and radon trapped in water from wells can be released into the air when the water is used.

Due to the potential health concerns associated with radon, Health Canada released a guideline in June 2007 for a maximum acceptable level of radon gas of 200 Becquerels per cubic metre (Bq/m^3) where radon gas is present and the annual radon concentration exceeds 200 Bq/m^3 in the normal occupancy area.

A radon gas assessment was beyond the scope of this Phase One ESA, and as such, radon gas was not assessed.

5.11.8 Mould

Mould is found in the natural environment and is required for the breakdown of plant debris such as leaves and wood. Mould spores are found in the air in both the indoor and outdoor environments. In order for mould to grow, a food source (i.e. gypsum wallboard, wallpaper, wood, etc.) and moist conditions are required. Mould can have an impact on human health depending on the species and concentration of the airborne mould spores. Health effects can include allergies and mucous membrane irritation.

Currently there are no regulations governing mould; however, there are several guidelines addressing mould assessments and abatement. At the moment, the industry standards include the Canadian Construction Association (CCA) document 82-2004 titled “mould guidelines for the Canadian construction industry” and the Environmental Abatement Council of Ontario (EACO) guidelines titled “EACO Mould Abatement Guidelines, Edition 3 (2015).”

It is important to note that the Ministry of Labour (MOL) has governed protecting workers under the Occupational Health and Safety Act, which states that employers are required to take every precaution reasonable to protect their workers. This includes protecting workers from mould within workplace buildings.

Some standing water was observed in the basement of the vacant building. Indications of past and current water damage were present, including the removal of the lower half of the drywall panels in the basement. Imam Anver indicated that waterline breaks have occurred in the past in that building. No mould was observed within the mosque building.

5.11.9 Other Substances

No other special attention substances (such as acrylonitrile or isocyanates) were suspected to be present at the Phase One property at the time of site reconnaissance.

5.11.10 Processing and Manufacturing Operations

No processing or manufacturing operations were observed at the Phase One property.

5.11.11 Hazardous Materials Use and Storage

No hazardous materials are used or stored at the Phase One property.

5.11.12 Vehicle and Equipment Maintenance Areas

No vehicle and equipment maintenance activities were observed or reported.

5.11.13 Oil/Water Separators

No oil-water separators were observed at the Phase One property.

5.11.14 Sewage and Wastewater Disposal

Sewage and wastewater generated at the Phase One property is disposed of via the municipal sewer system.

5.11.15 Solid Waste Generation, Storage & Disposal

Solid wastes generated at the Phase One property are limited household wastes and collected by the City of Ottawa.

5.11.16 Liquid Waste Generation, Storage & Disposal

No liquid wastes are generated at the Phase One property.

5.11.17 Unidentified Substances

No unidentified substances were observed on the Phase One property at the time of the site visit. No dumping or any other deleterious materials were identified.

5.11.18 Hydraulic Lift Equipment

No hydraulic equipment was observed at the Phase One property.

5.11.19 Mechanical Equipment

No mechanical equipment of concern was present on the Phase One property.

5.11.20 Abandoned and Existing Wells

There is no evidence that there are any water wells on the Phase One property.

5.11.21 Roads, Parking Facilities and Right of Ways

The main vehicular access to the Phase One property is provided by Old Richmond Road. The site can also be access from Moodie Drive.

5.12 Adjacent and Surrounding Properties

A visual inspection of the adjacent properties and properties within 250 m of the Phase One property was conducted from publicly accessible areas to identify the occupants and document the uses and sources of potential environmental concerns that may impact the Phase One property. Refer to Figure 3 in Appendix B for the adjacent land uses.

The following land uses border the Phase One property:

- North: Vacant property, followed by residential;
- West: Residential;
- East: Institutional (School), followed by the Greenbelt; and
- South: Residential, followed by the Greenbelt.

5.13 Enhanced Investigation Property

Ontario Regulation 153/04 defines an enhanced investigation property as a "property that is used, or has ever been used, in whole or in part for an industrial use or any of the following commercial uses: a garage; a bulk liquid dispensing facility, including a gasoline outlet; or, for the operation of dry-cleaning equipment."

Therefore, in accordance with Regulation 153/04, the property is not considered to be an enhanced investigation property.

5.14 Summary and Written Description of Investigation

At the time of the investigation, the Phase One property consisted of three separate properties, two of which are occupied by buildings. The property at 4016 Old Richmond Road consists of a vacant gavel lot. The remainder of the property consists primarily of paved parking area.

Based on the findings of this investigation the no PCAs have been identified in the Phase One study area.

6.0 Review and Evaluation of Information

6.1 Current and Past Uses

The Phase One property is comprised of three separate properties 4016 and 3990 Old Richmond Road and 572 Moodie Drive. The property at 4016 Old Richmond Road consists of a vacant gavel lot that has never been developed. The property at 3990 Old Richmond Road, first developed in 2011 is occupied by a mosque and paved parking area. The property at 572 Moodie Drive was first developed between 1979 and 1985 and is occupied by a single-story building with a basement that is currently vacant.

6.2 Potentially Contaminating Activity

Ontario Regulation (O. Reg.) 153/04 defines a Potential Contaminating Activity (PCA) as one of fifty-nine (59) industrial operations set out in Table 2 of Schedule D that occurs or has occurred in the Phase One study area. No PCAs were identified for the Phase One property and the Phase One study area.

6.3 Areas of Potential Environmental Concern

Ontario Regulation 153/04 defines an APEC as an area on a property where one or more contaminants are potentially present. Based on this Phase One ESA, no APEC were identified on the Phase One property.

6.4 Phase One Conceptual Site Model

To develop a conceptual model for the Phase One property, the following physical characteristics and pathways were considered. A conceptual site model (CSM) showing the topography of the site, inferred groundwater flow, general site features, APEC, and PCA is shown in Figure 2.

6.4.1 Buildings and Structures

The Phase One property is comprised of three separate properties, two of which are occupied by buildings. The property at 4016 Old Richmond Road consists of a vacant gavel lot.

The property at 3990 Old Richmond Road is occupied by a mosque and paved parking. The mosque faces Old Richmond Road. The basement is completely finished, as it served as the occupied space prior to the completion of the main floors. The remainder of the property consists primarily of paved parking area. Heating and cooling of the building are provided by roof-top mounted natural gas fired HVAC units.

The property at 572 Moodie Drive is occupied by a single-story building with a basement. The building faces Moodie Drive and has not been occupied for approximately eight years. The property can be accessed via driveway from Moodie Drive or the parking area at 3990 Richmond Road. The remainder of the property consists of paved parking. Heating was provided to the building via natural gas fired furnace. Cooling was provided via side yard air conditioner unit located on the east side of the building.

6.4.2 Water Bodies and Groundwater Flow Direction

There were no water bodies on the subject site. The closest body of water is an unnamed creek which drains to the City of Ottawa storm sewer behind D.A. Moodie Intermediate School, 170 m east of the Phase One property.

6.4.3 Areas of Natural Significance

The Stony Swamp located 130 m south of the Phase One property is an Area of Natural Significance (ANSI), according to the Ministry of Natural Resources and Forestry Natural Heritage website (www.gisapplication.lrc.gov.on.ca/mamnh/Index.html).

The Greenbelt is also present in the Phase One study area, 160 m south and 30 m east of the Phase One property.

6.4.4 Water Wells

There were 24 records found in the Water Well Information System (WWIS) database for the Phase One study area. No records were found for the Phase One property. he MOE water well records identified 23 domestic wells and 1 monitoring well within 250 m.

6.4.5 Potentially Contaminating Activity

No PCA were identified.

6.4.6 Areas of Potential Environmental Concern

No APEC were identified.

6.4.7 Underground Utilities

The Phase One property is supplied by municipal water provided by the City of Ottawa. The source of municipal water is the Ottawa River. Sewage, wastewater and solid waste for the Phase One property are also managed by the City of Ottawa. A municipal storm sewer line runs east west through the Phase One property, along the property boundary between 3990 Old Richmond Road and the south adjacent properties.

A pad mounted transformer is present at the southwest corner of 3990 Old Richmond Road.

6.4.8 Subsurface Stratigraphy

Bedrock in the general area of the Phase One property consists of dolostone and sandstone of the Beekmantown Group. Native surficial soil consists of glaciomarine deposits of silt and clay. Ground surface is approximately 99 metres above sea level (masl). Based on the site visit, the local topography slopes to the northeast.

Based on the well records for the Phase One study area, overburden stratigraphy generally consisted of silty clay soil from 0 to 4 metres below ground surface (mgbs) and is underlain by sandstone bedrock.

6.4.9 Uncertainty Analysis

The CSM is a simplification of reality, which aims to provide a description and assessment of any areas where potentially contaminating activity that occurred within the Phase One study area may have adversely affected the Phase One property. All information collected during this investigation, including records, interviews, and site reconnaissance, has contributed to the formulation of the CSM.

Information was assessed for consistency, however EXP has confirmed neither the completeness nor the accuracy of any of the records that were obtained or of any of the statements made by others. All reasonable inquiries to obtain accessible information were made, as required by Schedule D, Table 1, Mandatory Requirements for Phase One Environmental Site Assessment Reports. The CSM reflects our best interpretation of the information that was available during this investigation.

7.0 Conclusions

Due to the age of the building at 572 Moodie Drive, it is considered likely that it may contain designated substances. Therefore, prior to renovation or demolition, a designated substance survey is recommended for this site building.

No potentially contaminating activities (PCA) were identified for the Phase One property or study area. No areas of potential environmental concern were identified at the Phase One property. No further environmental work is recommended for the Phase One property.

The Qualified Person can confirm that the Phase One Environmental Site Assessment was conducted per the requirements of Ontario Regulation 153/04, as amended, and in accordance with generally accepted professional practices.

8.0 References

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- Ontario Ministry of Labour, *Occupational Health and Safety Act*, R.S.O. 1990.
- Ontario Ministry of Natural Resources and Forestry, Natural Heritage website (www.gisapplication.lrc.gov.on.ca/mamnh/Index.html).

9.0 Limitation of Liability, Scope of Report, and Third Party Reliance

Basis of Report

This report ("Report") is based on site conditions known or inferred by the investigation undertaken as of the date of the Report. Should changes occur which potentially impact the condition of the site the recommendations of EXP may require re-evaluation. Where special concerns exist, or Jami Omar Mosque ("the Client") has special considerations or requirements, these should be disclosed to EXP to allow for additional or special investigations to be undertaken not otherwise within the scope of investigation conducted for the purpose of the Report.

Reliance on Information Provided

The evaluation and conclusions contained in the Report are based on conditions in evidence at the time of site inspections and information provided to EXP by the Client and others. The Report has been prepared for the specific site, development, building, design or building assessment objectives and purpose as communicated by the Client. EXP has relied in good faith upon such representations, information and instructions and accepts no responsibility for any deficiency, misstatement or inaccuracy contained in the Report as a result of any misstatements, omissions, misrepresentation or fraudulent acts of persons providing information. Unless specifically stated otherwise, the applicability and reliability of the findings, recommendations, suggestions or opinions expressed in the Report are only valid to the extent that there has been no material alteration to or variation from any of the information provided to exp. If new information about the environmental conditions at the Site is found, the information should be provided to EXP so that it can be reviewed and revisions to the conclusions and/or recommendations can be made, if warranted.

Standard of Care

The Report has been prepared in a manner consistent with the degree of care and skill exercised by engineering consultants currently practicing under similar circumstances and locale. No other warranty, expressed or implied, is made. Unless specifically stated otherwise, the Report does not contain environmental consulting advice.

Complete Report

All documents, records, data and files, whether electronic or otherwise, generated as part of this assignment form part of the Report. This material includes, but is not limited to, the terms of reference given to EXP by the Client, communications between EXP and the Client, other reports, proposals or documents prepared by EXP for the Client in connection with the site described in the Report. In order to properly understand the suggestions, recommendations and opinions expressed in the Report, reference must be made to the Report in its entirety. EXP is not responsible for use by any party of portions of the Report.

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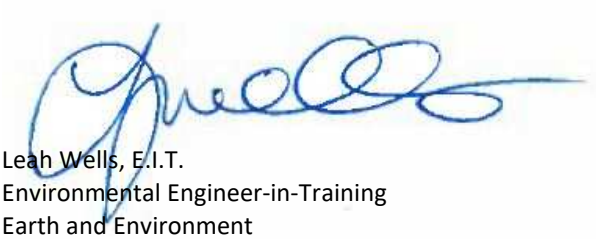
The information and opinions expressed in the Report, or any document forming part of the Report, are for the sole benefit of the Client. No other party may use or rely upon the Report in whole or in part without the written consent of EXP. Any use of the Report, or any portion of the Report, by a third party are the sole responsibility of such third party. EXP is not responsible for damages suffered by any third party resulting from unauthorised use of the Report.

Report Format

Where EXP has submitted both electronic file and a hard copy of the Report, or any document forming part of the Report, only the signed and sealed hard copy shall be the original documents for record and working purposes. In the event of a dispute or discrepancy, the hard copy shall govern. Electronic files transmitted by EXP utilize specific software and hardware systems. EXP makes no representation about the compatibility of these files with the Client's current or future software and hardware systems. Regardless of format, the documents described herein are EXP's instruments of professional service and shall not be altered without the written consent of EXP.

10.0 Signatures

We trust this report meets your current needs. If you have any questions pertaining to the investigation undertaken by EXP, please do not hesitate to contact the undersigned. The Qualified Person can confirm that the Phase One Environmental Site Assessment was conducted per the requirements of Ontario Regulation 153/04, as amended, and in accordance with generally accepted professional practices.



Leah Wells, E.I.T.
Environmental Engineer-in-Training
Earth and Environment

Mark McCalla, M.Sc., P.Geo.
Senior Geoscientist
Earth and Environment

Appendix A: Qualifications of Assessors

1. Qualifications of Assessors

The records review and Site visit was conducted by Ms. Leah Wells, EIT. Ms. Wells has three years of experience in the environmental consulting field. She has worked on numerous Phase I Environmental Site Assessments (ESA); Phase II ESAs, completing soil and groundwater sampling, soil vapour sampling, assisting in report preparation and data entry and analysis.

This Phase I ESA was reviewed by Mr. Mark McCalla, P. Geo. Mr. McCalla is a senior Environmental Scientist with EXP who has over 30 years of experience in the environmental consulting field. His technical undertakings have including work in the following fields: Phase I and II Environmental Site Assessments; Site Specific Risk Assessments; Petroleum and chlorinated hydrocarbon contaminated sites; Soil and groundwater remediation technologies; Hydrogeological, Terrain Analysis and Aggregate Assessments; Preparation of Ontario Ministry of Environment Certificate of Approvals and Records of Site Condition. Mr. McCalla is a Qualified Person for completing Phase I and II Environmental Site Assessments as per O.Reg. 153/04.

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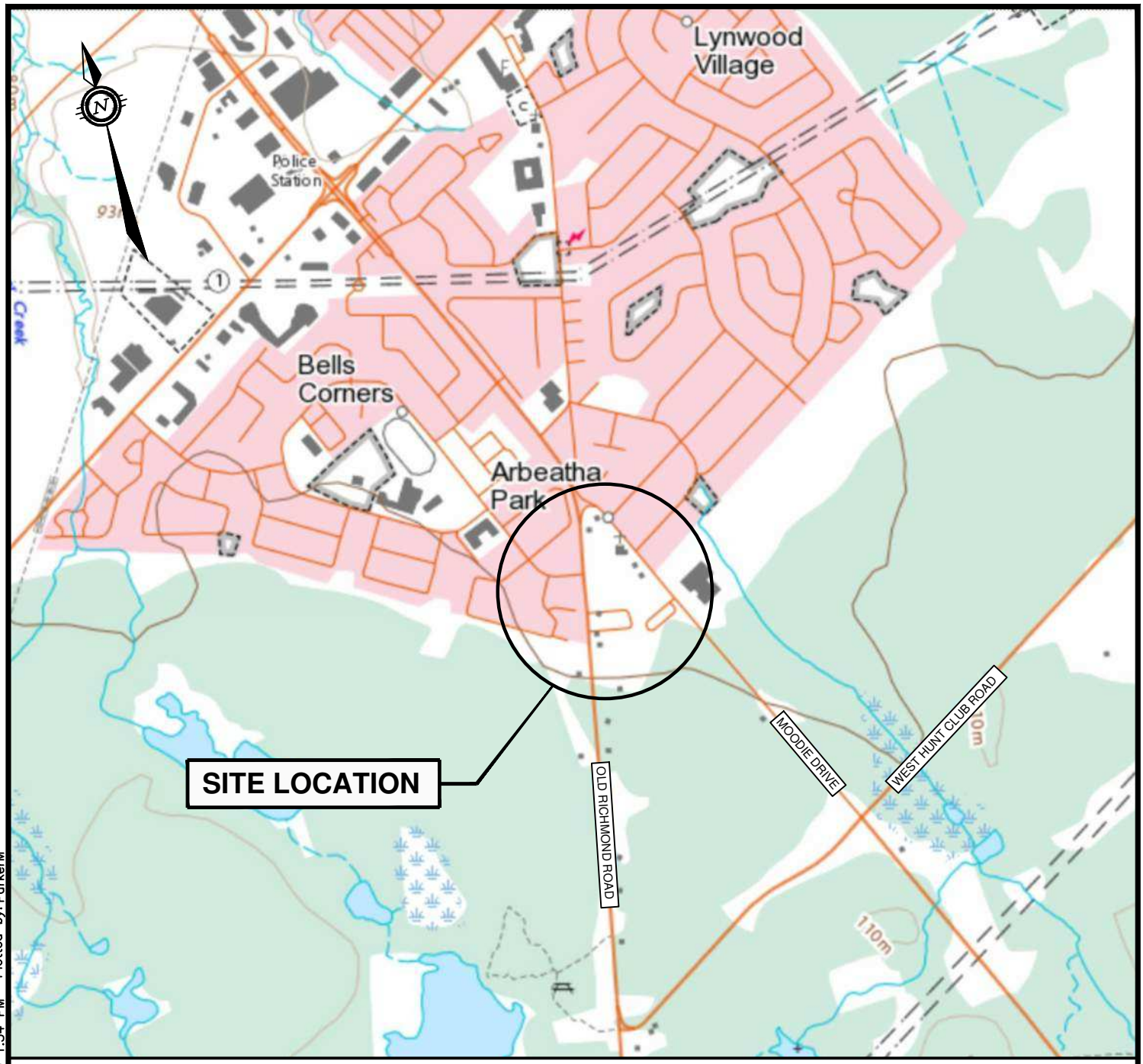
Appendix B: Figures



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HORIZONTAL 1:15,000

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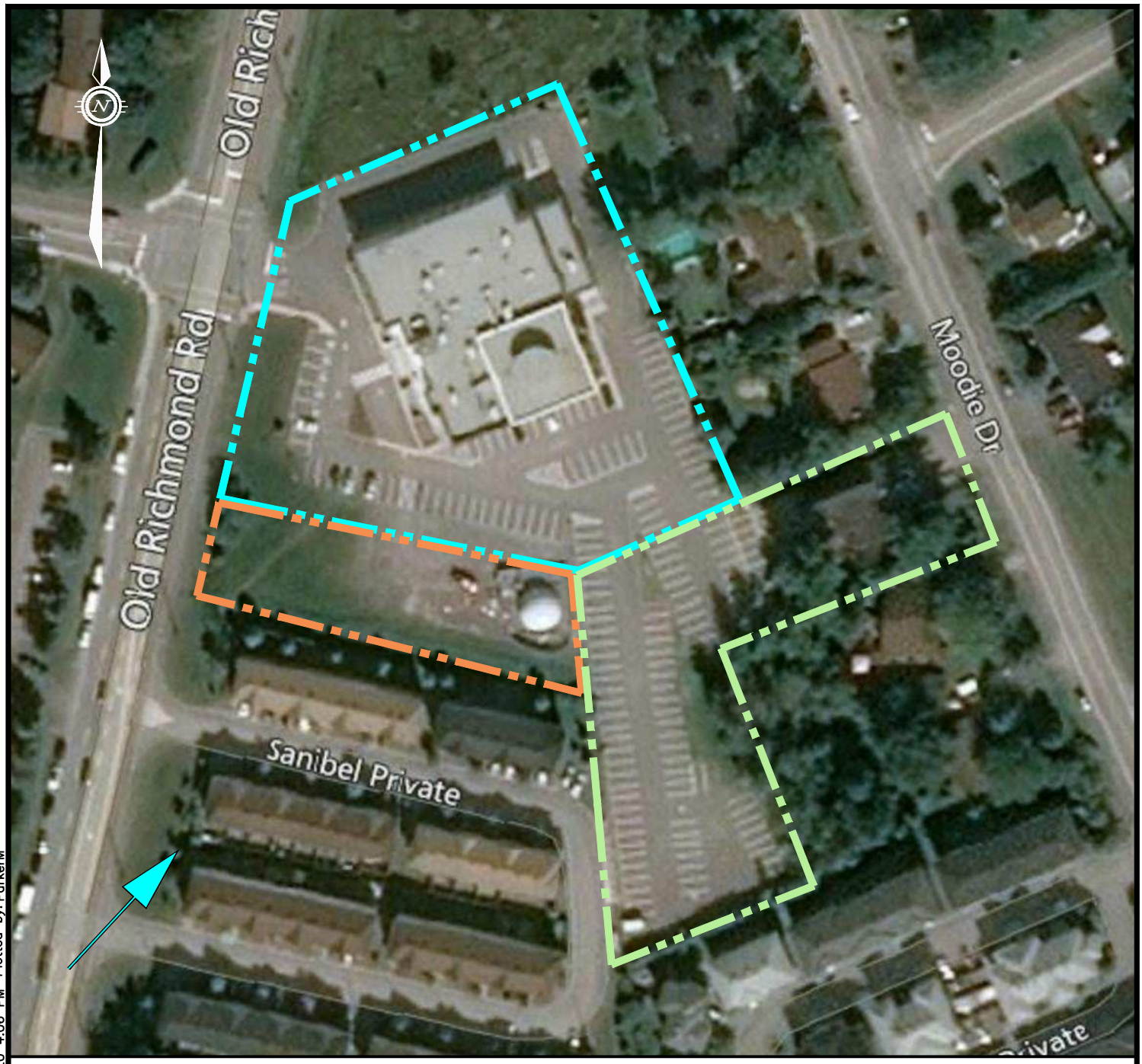

LEGEND

- 3990 OLD RICHMOND PROPERTY BOUNDARY
- 4016 OLD RICHMOND PROPERTY BOUNDARY
- 572 MOODIE DRIVE PROPERTY BOUNDARY
- PHASE ONE STUDY AREA
- NFERRED GROUNDWATER FLOW DIRECTION

0 10m 20m 50m

HORIZONTAL 1:1250

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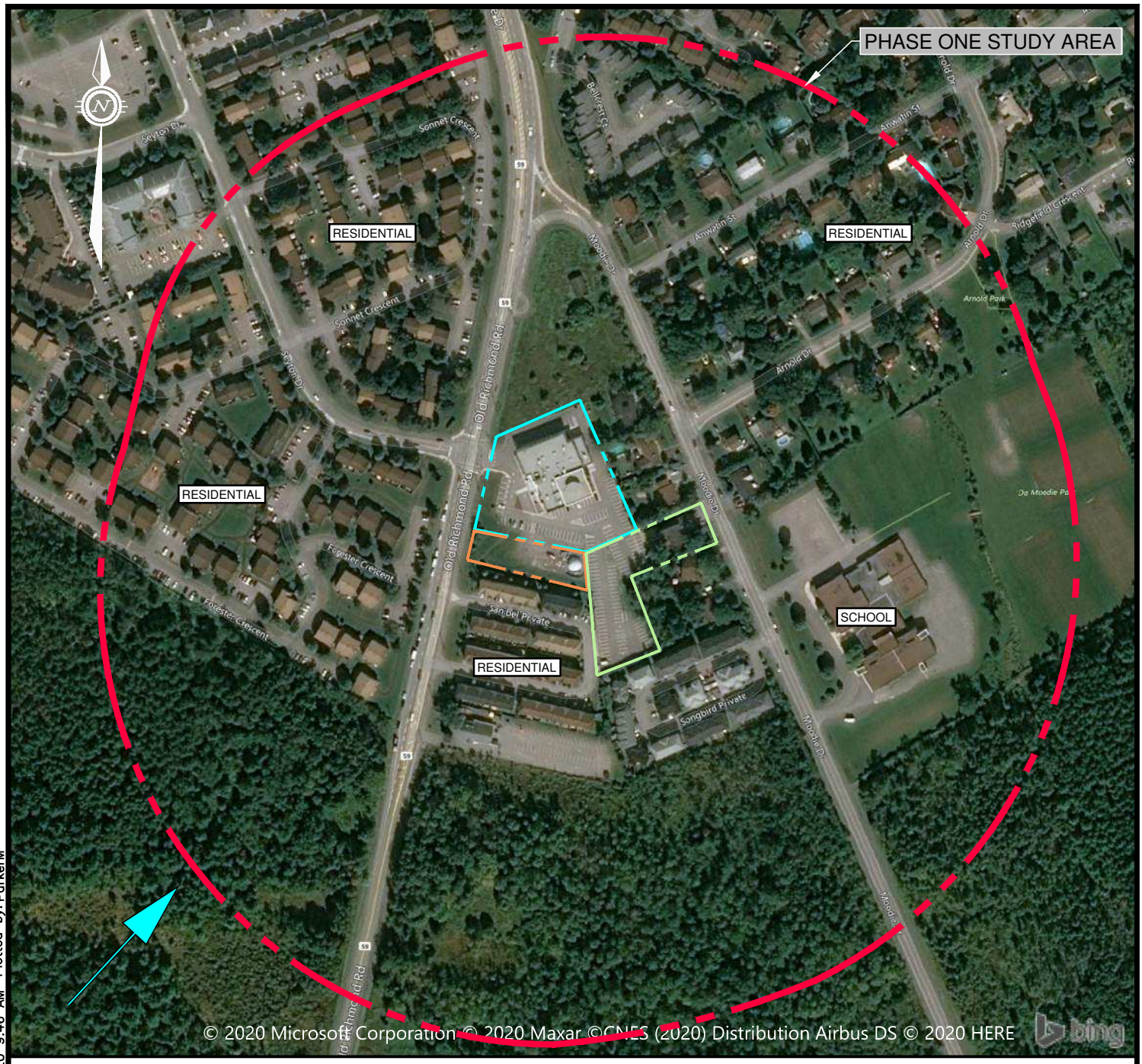

LEGEND

- 3990 OLD RICHMOND PROPERTY BOUNDARY
- 4016 OLD RICHMOND PROPERTY BOUNDARY
- 572 MOODIE DRIVE PROPERTY BOUNDARY
- PHASE ONE STUDY AREA
- NFERRED GROUNDWATER FLOW DIRECTION

0 40m 80m 160m

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DRAWN BY: M.P.	TITLE: CONCEPTUAL SITE MODEL - PHASE ONE STUDY AREA 3990 OLD RICHMOND ROAD, OTTAWA, ON	FIG 3

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PHASE ONE STUDY AREA

PROPERTY BOUNDARY

0 40m 80m 160m

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LEGEND

PHASE ONE STUDY AREA

PROPERTY BOUNDARY

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LEGEND

PHASE ONE STUDY AREA

PROPERTY BOUNDARY

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DATE: AUGUST 2020	CLIENT: JAMI OMAR MOSQUE	project no. OTT-00260904-A0
DESIGN: L.W. / CHECKED: P.S.		scale 1:4,000
DRAWN BY: M.P.	TITLE: 2007 AERIAL PHOTGRAPH, 3990 OLD RICHMOND ROAD, OTTAWA, ON	FIG E-3

Filename: E:\OTT\OTT-00260904-A0\60 Execution\65 Drawings\3990 Old Richmond Road – Fig 1–3.dwg
Last Saved: Aug 10, 2020 4:05 PM Last Plotted: Aug 10, 2020 4:16 PM Plotted by: ParkerM

LEGEND

PHASE ONE STUDY AREA

PROPERTY BOUNDARY

0 40m 80m 160m

HORIZONTAL 1:4,000

EXP Services Inc. **www.exp.com**

t: +1.613.688.1899 | f: +1.613.225.7337
2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6, Canada

DATE: AUGUST 2020	CLIENT: JAMI OMAR MOSQUE	project no. OTT-00260904-A0
DESIGN: L.W. / CHECKED: P.S.		scale 1:4,000
DRAWN BY: M.P.	TITLE: 2002 AERIAL PHOTOGRAPH 3990 OLD RICHMOND ROAD, OTTAWA, ON	FIG E-4

Filename: E:\OTT\OTT-00260904-A0\60 Execution\65 Drawings\3990 Old Richmond Road – Fig 1–3.dwg
Last Saved: Aug 10, 2020 4:05 PM Last Plotted: Aug 10, 2020 4:17 PM Plotted by: ParkerM

LEGEND

PHASE ONE STUDY AREA

PROPERTY BOUNDARY

0 40m 80m 160m

HORIZONTAL 1:4,000

EXP Services Inc. **www.exp.com**

t: +1.613.688.1899 | f: +1.613.225.7337
2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6, Canada

DATE: AUGUST 2020	CLIENT: JAMI OMAR MOSQUE	project no. OTT-00260904-A0
DESIGN: L.W. / CHECKED: P.S.		scale 1:4,000
DRAWN BY: M.P.	TITLE: 1991 AERIAL PHOTOGRAPH, 3990 OLD RICHMOND ROAD, OTTAWA, ON	FIG E-5

Filename: E:\OTT\OTT-00260904-A0\60 Execution\65 Drawings\3990 Old Richmond Road – Fig 1-3.dwg
Last Saved: Aug 10, 2020 4:05 PM Last Plotted: Aug 10, 2020 4:18 PM Plotted by: ParkerM

LEGEND

PHASE ONE STUDY AREA

PROPERTY BOUNDARY

0 40m 80m 160m

HORIZONTAL 1:4,000

EXP Services Inc. **www.exp.com**

t: +1.613.688.1899 | f: +1.613.225.7337
2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6, Canada

DATE: AUGUST 2020	CLIENT: JAMI OMAR MOSQUE	project no. OTT-00260904-A0
DESIGN: L.W. / CHECKED: P.S.		scale 1:4,000
DRAWN BY: M.P.	TITLE: 1976 AERIAL PHOTOGRAPH 3990 OLD RICHMOND ROAD, OTTAWA, ON	FIG E-6

Filename: E:\OTT\OTT-00260904-A0\60 Execution\65 Drawings\3990 Old Richmond Road - Fig 1-3.dwg
Last Saved: Aug 10, 2020 4:05 PM Last Plotted: Aug 10, 2020 4:19 PM Plotted by: ParkerM

LEGEND

PHASE ONE STUDY AREA

PROPERTY BOUNDARY

0 40m 80m 160m

HORIZONTAL 1:4,000

EXP Services Inc. **www.exp.com**

t: +1.613.688.1899 | f: +1.613.225.7337
2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6, Canada

DATE: AUGUST 2020	CLIENT: JAMI OMAR MOSQUE	project no. OTT-00260904-A0
DESIGN: L.W. / CHECKED: P.S.		scale 1:4,000
DRAWN BY: M.P.	TITLE: 1965 AERIAL PHOTOGRAPH 3990 OLD RICHMOND ROAD, OTTAWA, ON	FIG E-7

Appendix C: Title Search, Municipal Records & Provincial Records

READ Abstracts Limited
331 Cooper Street, Suite 300, Ottawa, Ontario K2P 0A4
Email: search@readsearch.com
Tel.: 613-236-0664
Fax: 613-236-3677

ENVIRONMENTAL SEARCH

EXP Services
Attn: Kathy

BRIEF DESCRIPTION OF LAND:

4016 Old Richmond Rd., 572 Moodie Dr., 3990 Old Richmond Rd., Ottawa
Pt Lts 32 & 33 Con 5 Rf As In N361521; Pt Lt 32 Con 5 Rf, Pts 2 & 3 4r1899; Part Of Lot 32 And 33 Concession 5 Rideau Front, Parts 1, 2, And 3 Plan 4r1193, Except Parts 1, 2, 3 And 3 Plan 4r10307 And Except Parts 1 And 2 Plan 4r14693

PIN: 04632-0005
04632-0008
04632-0232

LAST REGISTERED OWNER: Jamiatul Muslemeen of Ottawa-Carleton

CHAIN OF TITLE:

Note: The abstracts for Lots 32 and 33 are of very poor quality. We have done our best to make out names and dates.

PIN 0005

Part Lot 32 and 33, Con 5

Will RO11737 registered Dec 23, 1857
From George Sparks to Nicholas, John and James Sparks

Deed NP572 registered Sep 5, 1870
From Nicholas Sparks to John and James Sparks

Deed NP5143 registered Apr 14, 1877
From James Sparks to John Sparks

Deed NP6096 registered Nov 23, 1878
From John Sparks to Patrick O'Grady

Deed NP40015 registered May 6, 1927
From estate of Patrick O'Grady to Arnold Armstrong

Deed NP54723 registered Aug 18, 1946
From Arnold Armstrong to John S. Richards

Deed NP64650 registered Jun 21, 1950
From John S. Richards to Isaac Leeson

Deed 331718 registered Apr 9, 1955
From Isaac Leeson to Henry and Carmel Cloutier

Deed 422092 registered Apr 20, 1961
From Carmel Cloutier to Henry J. E. Cloutier

Deed 53511 registered Jan 8, 1969
From Henry J. E. Cloutier to Anna DeGiovanni

Deed 620833 registered Oct 30, 1972
From Anna DeGiovanni to Lynne Marion Touchette

Deed N361521 registered Oct 28, 1986
From Lynne Marion Touchette to Wenda Roselyn Daly

Deed LT1354102 registered Jan 12, 2001
From Wenda Roselyn Daly to Wenda Roselyn Daly and James Howard Ernest Daly

Deed LT1357340 registered Jan 29, 2001
From Wenda Roselyn Daly and James Howard Ernest Daly to James Howard Ernest Daly

Power of Sale OC422994 registered Mar 16, 2005 (under mortgage LT1200213)
From William Crosby to Jamiatul Muslemeen of Ottawa-Carleton

PIN 0008

<u>Part Lot 32, Con 5</u>

Will RO11737 registered Dec 23, 1857
From George Sparks to Nicholas, John and James Sparks

Deed NP572 registered Sep 5, 1870
From Nicholas Sparks to John and James Sparks

Deed NP5143 registered Apr 14, 1877
From James Sparks to John Sparks

Deed NP6096 registered Nov 23, 1878
From John Sparks to Patrick O'Grady

Deed NP40015 registered May 6, 1927
From estate of Patrick O'Grady to Arnold Armstrong

Deed NP54723 registered Aug 18, 1946
From Arnold Armstrong to John S. Richards

Deed NP64650 registered Jun 21, 1950
From John S. Richards to Isaac Leeson

Deed 344988 registered Apr 13, 1956
From Isaac Leeson to Leatrice Jankson

Deed 514428 registered Aug 11, 1966
From Leatrice Jankson to Erich and Elfriede Kraschewski

Deed N298898 registered Aug 2, 1985
From Erich and Elfriede Kraschewski to The Trustees of Bible Baptist Church

Deed LT893474 registered Jun 30, 1994
From Trustees of Bible Baptist Church to Jamiatul Muslemeen of Ottawa-Carleton

PIN 0232

<u>Part Lot 32, Con 5</u>

Will RO11737 registered Dec 23, 1857
From George Sparks to Nicholas, John and James Sparks

Deed NP572 registered Sep 5, 1870
From Nicholas Sparks to John and James Sparks

Deed NP5143 registered Apr 14, 1877
From James Sparks to John Sparks

Deed NP6096 registered Nov 23, 1878
From John Sparks to Patrick O'Grady

Deed NP40015 registered May 6, 1927
From estate of Patrick O'Grady to Arnold Armstrong

Deed NP54723 registered Aug 18, 1946
From Arnold Armstrong to John S. Richards

Deed NP64650 registered Jun 21, 1950
From John S. Richards to Isaac Leeson

Deed 297501 registered Dec 28, 1951
From Isaac Leeson to Ernest Colbert

Deed 311863 registered Jun 16, 1953
From Ernest Colbert and Doreen Colbert to Charles W. Lawson

Deed 435601 registered Nov 22, 1961
From Charles E. Lawson to John Steenbakkers

Deed 531150 registered Sep 14, 1967
From John Steenbakkers to James Howard Ernest Daly

Deed N306195 registered Sep 26, 1985
From James Howard Ernest Daly to James Howard Ernest Daly

Deed LT1228983 registered Sep 15, 1999
From James Howard Ernest Daly to Wenda Roselyn Daly

Deed LT1238903 registered Oct 25, 1999
From Wenda Roselyn Daly to Wenda Roselyn Daly and James Howard Ernest Daly

Deed LT1272708 registered Mar 31, 2000
From Wenda Roselyn Daly and James Howard Ernest Daly to Wenda Roselyn Daly

Deed LT1354102 registered Jan 12, 2001
From Wenda Roselyn Daly to Wenda Roselyn Daly and James Howard Ernest Daly

Deed LT1357341 registered Jan 29, 2001
From Wenda Roselyn Daly and James Howard Ernest Daly to Wenda Roselyn Daly

Deed LT1379127 registered Apr 27, 2001
From Wenda Roselyn Daly to Jamiatul Muslemeen of Ottawa-Carleton

<u>Part Lot 33, Con 5</u>

Will RO11737 registered Dec 23, 1857
From George Sparks to Nicholas, John and James Sparks

Deed NP572 registered Sep 5, 1870
From Nicholas Sparks to John and James Sparks

Deed NP5143 registered Apr 14, 1877

From James Sparks to John Sparks

Deed NP6096 registered Nov 23, 1878
From John Sparks to Patrick O'Grady

Deed NP6155 registered Dec 19, 1878
From James Sparks to Patrick Byrne

Deed NP6288 registered Mar 20, 1879
From John Sparks to Patrick Byrne

Deed NP36958 registered Sep 17, 1895
From Patrick Byrne to John Byrne

Deed NP40015 registered May 6, 1927
From estate of Patrick O'Grady to Arnold Armstrong

Deed NP43756 registered Jan 29, 1937
From John Byrne to Ernest Byrne

Deed NP45430 registered Aug 8, 1938
From Ernest Byrne to Rita M. Houlahan

Deed NP54723 registered Aug 18, 1946
From Arnold Armstrong to John S. Richards

Deed NP64650 registered Jun 21, 1950
From John S. Richards to Isaac Leeson

Deed 290184 registered Jan 1958
From Isaac Leeson to Agnes L. Craig

Deed 297501 registered Dec 28, 1951
From Isaac Leeson to Ernest Colbert

Deed 297501 registered Dec 28, 1951
From Isaac Leeson to William C. B. Colbert

Deed 311862 registered Jun 16, 1953
From William C. B. Colbert to Charles W. Lawson

Deed 311863 registered Jun 16, 1953
From William C. B. Colbert to Charles W. Lawson

Deed 387827 registered May 12, 1959
From Agnes L. Craig to John C. Hammill

Deed 435601 registered Nov 22, 1961
From Charles E. Lawson to John Steenbakkers

Deed 465096 registered Sep 4, 1963
From estate of John C. Hammill to William and Lamberta Mulder

Deed 503465 registered Dec 6, 1965
From William and Lamberta Mulder to Barbara Steenbakkers

Deed 520487 registered Jan 10, 1967
From Barbara Steenbakkers to James Howard Ernest Daly

Deed 531150 registered Sep 14, 1967
From John Steenbakkers to James Howard Ernest Daly

Deed 538379 registered Feb 12, 1968
From Rita M. Houlahan to James Howard Ernest Daly

Deed 538381 registered Feb 12, 1968
From Rita M. Houlahan to James Howard Ernest Daly

Deed 554049 registered Jan 23, 1969
From estate of John C. Hammill to James Howard Ernest Daly

Deed N306195 registered Sep 26, 1985
From James Howard Ernest Daly to James Howard Ernest Daly

Deed LT1228983 registered Sep 15, 1999
From James Howard Ernest Daly to Wenda Roselyn Daly

Deed LT1238903 registered Oct 25, 1999
From Wenda Roselyn Daly to Wenda Roselyn Daly and James Howard Ernest Daly

Deed LT1272708 registered Mar 31, 2000
From Wenda Roselyn Daly and James Howard Ernest Daly to Wenda Roselyn Daly

Deed LT1354102 registered Jan 12, 2001
From Wenda Roselyn Daly to Wenda Roselyn Daly and James Howard Ernest Daly

Deed LT1357341 registered Jan 29, 2001
From Wenda Roselyn Daly and James Howard Ernest Daly to Wenda Roselyn Daly

Deed LT1379127 registered Apr 27, 2001
From Wenda Roselyn Daly to Jamiatul Muslemeen of Ottawa-Carleton

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

Historic Land Use Inventory

Application Form

Notice of Public Record

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

Municipal Freedom of Information and Protection Act

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

Background Information

***Site Address or Location:** *3990 Old Richmond Road, Ottawa, Ontario*

** Mandatory Field*

Applicant/Agent Information:

Name:	*Kathy Radisch / EXP Services Inc.*		
Mailing Address:	*100-2650 Queensview Drive, Ottawa, Ontario K2B 8H6*		
Telephone:	*613-688-1899 ext. 3296*	Email Address:	*kathy.radisch@exp.com*

Registered Property Owner Information: ☐ Same as above

Name:	*Jami Omar Mosque*		
Mailing Address:	*3990 Old Richmond Road, Ottawa, Ontario*		
Telephone:	*613-828-2222*	Email Address:	*anver.malam@sympatico.ca*

Site Details

Legal Description and PIN: *PART OF LOT 32 AND 33 CONCESSION 5 RIDEAU FRONT, PARTS 1, 2, AND 3 PLAN 4R1193, EXCEPT PARTS 1, 2, 3 AND 3 PLAN 4R10307 AND EXCEPT PARTS 1 AND 2 PLAN 4R14693, NEPEAN. SUBJECT TO AN EASEMENT IN FAVOUR OF THE CO*

What is the land currently used for? *Mosque*

Lot frontage: _____ m Lot depth: _____ m Lot area: _____ m²

OR Lot area: (irregular lot) 6,912 m²

Does the site have Full Municipal Services: (•) Yes ( ) No

Required Fees

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

Planning Fee	$125.00

Submittal Requirements

The following are required to be submitted with this application:

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

Disclaimer
For use with HLUI Database

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

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

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

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

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

4. Copyright is reserved to the City.

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

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

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

Signed: _____

Dated (dd/mm/yyyy): 07/29/2020

Per: Kathy Radisch

(Please print name)

Title: Sr. Administrative Assistant

Company: EXP Services Inc.

July 29, 2020

VIA FACSIMILE:
416-314-4285

FOI Manager
Freedom of Information & Protection of Privacy Office
Ministry of the Environment, Conservation and Parks
12th Floor, 40 St. Clair Avenue West
Toronto, Ontario M4V 1M2

Re: OTT-00260904-A0 **File Review Request**
3990 Old Richmond Road, Ottawa, Ontario

Dear Sir or Madam:

I am sending a Freedom of Information Request to you for 3990 Old Richmond Road, Ottawa, Ontario. We are conducting an environmental site assessment and require any environmental concerns.

If possible, we would appreciate receiving the documentation by email (kathy.radisch@exp.com) and by mail. If you have any questions, or require any further information, please do not hesitate to contact the undersigned at 613-688-1891, ext. 3296.

Yours truly,
EXP Services Inc.

Kathy Radisch
Administrative Assistant
Earth & Environment

Enclosures: FOI Form
Credit Card Payment Form

100 - 2650 Queensview Drive, Ottawa, Ontario K2B 8H6
T: +1.613.688.1899 • F: +1.613.225.7337 • www.exp.com

Appendix D: EcoLog ERIS Report

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*Phase I ESA* *3990 Old Richmond Road* *Nepean ON K2H 8W3*
Project No:	*OTT-00260904-A0*
Report Type:	*Standard Report*
Order No:	*20200727150*
Requested by:	*exp Services Inc.*
Date Completed:	*July 29, 2020*

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* *3990 Old Richmond Road Nepean ON K2H 8W3*
Project No:	*OTT-00260904-A0*

Coordinates:

Latitude:	*45.3113165*
Longitude:	*-75.8281767*
UTM Northing:	*5,017,868.23*
UTM Easting:	*435,081.47*
UTM Zone:	*18T*

Elevation:	*320 FT* *97.57 M*

Order Information:

Order No:	*20200727150*
Date Requested:	*July 27, 2020*
Requested by:	*exp Services Inc.*
Report Type:	*Standard Report*

Historical/Products:

City Directory Search	*CD - Subject Site plus 250m Radius*

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	3	3
CA	Certificates of Approval	Y	0	3	3
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	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
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	4	4
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	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	6	6
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	1	1
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	1	1

Database	Name	Searched	Project Property	Within 0.25 km	Total
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
NPRI	National Pollutant Release Inventory	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
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	3	3
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	23	23
	Total:	0	45	45	

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 33 con 5 ON ***Well ID:*** 1509688	NE/44.6	0.00	20
2	BORE		ON	NE/44.7	0.00	22
3	BORE		ON	WSW/53.3	0.31	23
4	WWIS		lot 33 con 5 ON ***Well ID:*** 1506339	WSW/53.4	0.31	24
5	WWIS		lot 32 con 5 ON ***Well ID:*** 1517745	SE/67.4	0.31	26
6	CA	1634131 Ontario Inc.	574 to 582 Moodie Drive Ottawa ON	ESE/76.4	0.31	29
7	WWIS		lot 33 con 5 ON ***Well ID:*** 1506334	NE/88.6	-0.69	30
8	WWIS		lot 33 con 5 ON ***Well ID:*** 1532253	NE/90.0	-0.69	32
9	WWIS		lot 32 con 5 ON ***Well ID:*** 1506332	SW/100.5	0.31	35
10	WWIS		lot 33 con 4 ON ***Well ID:*** 1506126	NE/111.7	-0.69	37
11	WWIS		lot 33 con 4 ON ***Well ID:*** 1506161	ENE/111.9	-0.69	40
12	WWIS		lot 33 con 4 ON	NE/115.3	-0.69	42

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1506123			
13	WWIS		lot 33 con 4 ON ***Well ID:*** 1506138	ENE/129.8	-0.69	44
14	HINC		75 SONGBIRD [PRIVATE] NEPEAN ON K2H 0A3	SSE/135.2	1.31	47
15	CA	1634131 Ontario Inc.	582 Moodie Drive Ottawa ON	SE/137.0	1.31	47
15	ECA	1634131 Ontario Inc.	574 to 582 Moodie Dr Ottawa ON K2A 0E7	SE/137.0	1.31	47
15	ECA	1634131 Ontario Inc.	574 to 582 Moodie Dr Ottawa ON K2A 0E7	SE/137.0	1.31	48
15	ECA	1634131 Ontario Inc.	582 Moodie Dr Ottawa ON K2A 0E7	SE/137.0	1.31	48
16	WWIS		lot 33 con 5 ON ***Well ID:*** 1506343	N/144.1	-1.39	48
17	WWIS		lot 32 con 5 ON ***Well ID:*** 1518023	SSE/154.9	1.31	50
18	CA	Royal Canadian Legion	4026 Richmond Road Ottawa ON	SW/165.6	1.31	53
18	ECA	Royal Canadian Legion	4026 Richmond Road Ottawa ON K2R 1H7	SW/165.6	1.31	54
19	WWIS		lot 33 con 4 ON ***Well ID:*** 1506130	ENE/187.6	-1.69	54
20	WWIS		lot 32 con 5 ON ***Well ID:*** 1506331	SE/187.7	0.88	56
21	WWIS		lot 33 con 4 ON	NNE/192.8	-1.69	58

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1506125			
22	WWIS		ON ***Well ID:*** 7296911	E/198.4	-0.70	61
23	WWIS		lot 33 con 4 ON ***Well ID:*** 1506132	ENE/199.9	-1.69	61
24	BORE		ON	ENE/200.4	-1.69	64
25	SPL	SCHOOL	595 MOODIE DRIVE AT D. AUDREY MOODIE INTERMEDIATE HIGH SCHOOL. HEATING OIL TANK NEPEAN CITY ON K2H 8A8	ESE/213.5	-0.69	65
25	GEN	Ottawa-Carleton District School Board	595 Moodie Dr. Nepean ON K2H 8A8	ESE/213.5	-0.69	65
25	GEN	Ottawa-Carleton District School Board	595 Moodie Dr. Nepean ON K2H 8A8	ESE/213.5	-0.69	66
25	GEN	Ottawa-Carleton District School Board	595 Moodie Dr. Nepean ON K2H 8A8	ESE/213.5	-0.69	66
25	GEN	Ottawa-Carleton District School Board	595 Moodie Dr. Nepean ON K2H 8A8	ESE/213.5	-0.69	67
25	GEN	Ottawa-Carleton District School Board	595 Moodie Dr. Nepean ON K2H 8A8	ESE/213.5	-0.69	67
25	WWIS		NEPEAN ON ***Well ID:*** 7194999	ESE/213.5	-0.69	68
25	GEN	Ottawa-Carleton District School Board	595 Moodie Dr. Nepean ON	ESE/213.5	-0.69	71
25	EHS		595 Moodie Drive Ottawa ON K2H 8A8	ESE/213.5	-0.69	72
26	SPL		11D Forester Crescent Ottawa ON	W/214.5	1.31	72

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
27	WWIS		lot 33 con 4 ON ***Well ID:*** 1506131	ENE/215.6	-1.64	72
28	WWIS		lot 32 con 5 ON ***Well ID:*** 1506337	SE/223.3	1.00	75
29	WWIS		lot 33 con 4 ON ***Well ID:*** 1506134	ENE/235.7	-2.00	77
30	WWIS		lot 33 con 4 ON ***Well ID:*** 1506145	ENE/241.6	-2.12	79
31	WWIS		lot 33 con 4 ON ***Well ID:*** 1506194	NNE/244.7	-2.38	82
32	SPL		between 11D and 13A Forester Cres Ottawa ON	W/249.6	1.31	84
33	INC		38-A FORESTER CRES., OTTAWA ON	W/249.9	1.31	84

Executive Summary: Summary By Data Source

BORE - Borehole

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

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	NE	44.70	2
	ON	WSW	53.32	3

Lower Elevation	Address	Direction	Distance (m)	Map Key
	ON	ENE	200.44	24

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 3 CA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
1634131 Ontario Inc.	574 to 582 Moodie Drive Ottawa ON	ESE	76.38	6
1634131 Ontario Inc.	582 Moodie Drive Ottawa ON	SE	137.02	15
Royal Canadian Legion	4026 Richmond Road Ottawa ON	SW	165.63	18

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Jun 30, 2020 has found that there are 4 ECA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
1634131 Ontario Inc.	582 Moodie Dr Ottawa ON K2A 0E7	SE	137.02	15
1634131 Ontario Inc.	574 to 582 Moodie Dr Ottawa ON K2A 0E7	SE	137.02	15
1634131 Ontario Inc.	574 to 582 Moodie Dr Ottawa ON K2A 0E7	SE	137.02	15
Royal Canadian Legion	4026 Richmond Road Ottawa ON K2R 1H7	SW	165.63	18

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Apr 30, 2020 has found that there are 1 EHS site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
	595 Moodie Drive Ottawa ON K2H 8A8	ESE	213.53	25

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Apr 30, 2020 has found that there are 6 GEN site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
Ottawa-Carleton District School Board	595 Moodie Dr. Nepean ON	ESE	213.53	25
Ottawa-Carleton District School Board	595 Moodie Dr. Nepean ON K2H 8A8	ESE	213.53	25
Ottawa-Carleton District School Board	595 Moodie Dr. Nepean ON K2H 8A8	ESE	213.53	25
Ottawa-Carleton District School Board	595 Moodie Dr. Nepean ON K2H 8A8	ESE	213.53	25

Ottawa-Carleton District School Board	595 Moodie Dr. Nepean ON K2H 8A8	ESE	213.53	25
Ottawa-Carleton District School Board	595 Moodie Dr. Nepean ON K2H 8A8	ESE	213.53	25

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 1 HINC site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	75 SONGBIRD [PRIVATE] NEPEAN ON K2H 0A3	SSE	135.20	14

INC - Fuel Oil Spills and Leaks

A search of the INC database, dated Feb 28, 2017 has found that there are 1 INC site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	38-A FORESTER CRES., OTTAWA ON	W	249.91	33

SPL - Ontario Spills

A search of the SPL database, dated 1988-Nov 2019 has found that there are 3 SPL site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	11D Forester Crescent Ottawa ON	W	214.54	26
	between 11D and 13A Forester Cres Ottawa ON	W	249.59	32

Lower Elevation	Address	Direction	Distance (m)	Map Key

SCHOOL	595 MOODIE DRIVE AT D. AUDREY MOODIE INTERMEDIATE HIGH SCHOOL. HEATING OIL TANK NEPEAN CITY ON K2H 8A8	ESE	213.53	25

WWIS - Water Well Information System

A search of the WWIS database, dated Feb 28, 2019 has found that there are 23 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	lot 33 con 5 ON ***Well ID:*** 1509688	NE	44.60	1
	lot 33 con 5 ON ***Well ID:*** 1506339	WSW	53.39	4
	lot 32 con 5 ON ***Well ID:*** 1517745	SE	67.44	5
	lot 32 con 5 ON ***Well ID:*** 1506332	SW	100.48	9
	lot 32 con 5 ON ***Well ID:*** 1518023	SSE	154.90	17
	lot 32 con 5 ON ***Well ID:*** 1506331	SE	187.71	20
	lot 32 con 5 ON ***Well ID:*** 1506337	SE	223.33	28

Lower Elevation	Address	Direction	Distance (m)	Map Key
	lot 33 con 5 ON ***Well ID:*** 1506334	NE	88.63	7
	lot 33 con 5 ON	NE	89.98	8

Well ID: 1532253

lot 33 con 4 ON	NE	111.65	**10**

Well ID: 1506126

lot 33 con 4 ON	ENE	111.89	**11**

Well ID: 1506161

lot 33 con 4 ON	NE	115.25	**12**

Well ID: 1506123

lot 33 con 4 ON	ENE	129.78	**13**

Well ID: 1506138

lot 33 con 5 ON	N	144.06	**16**

Well ID: 1506343

lot 33 con 4 ON	ENE	187.57	**19**

Well ID: 1506130

lot 33 con 4 ON	NNE	192.78	**21**

Well ID: 1506125

 ON	E	198.41	**22**

Well ID: 7296911

lot 33 con 4 ON	ENE	199.92	**23**

Well ID: 1506132

 NEPEAN ON	ESE	213.53	**25**

Well ID: 7194999

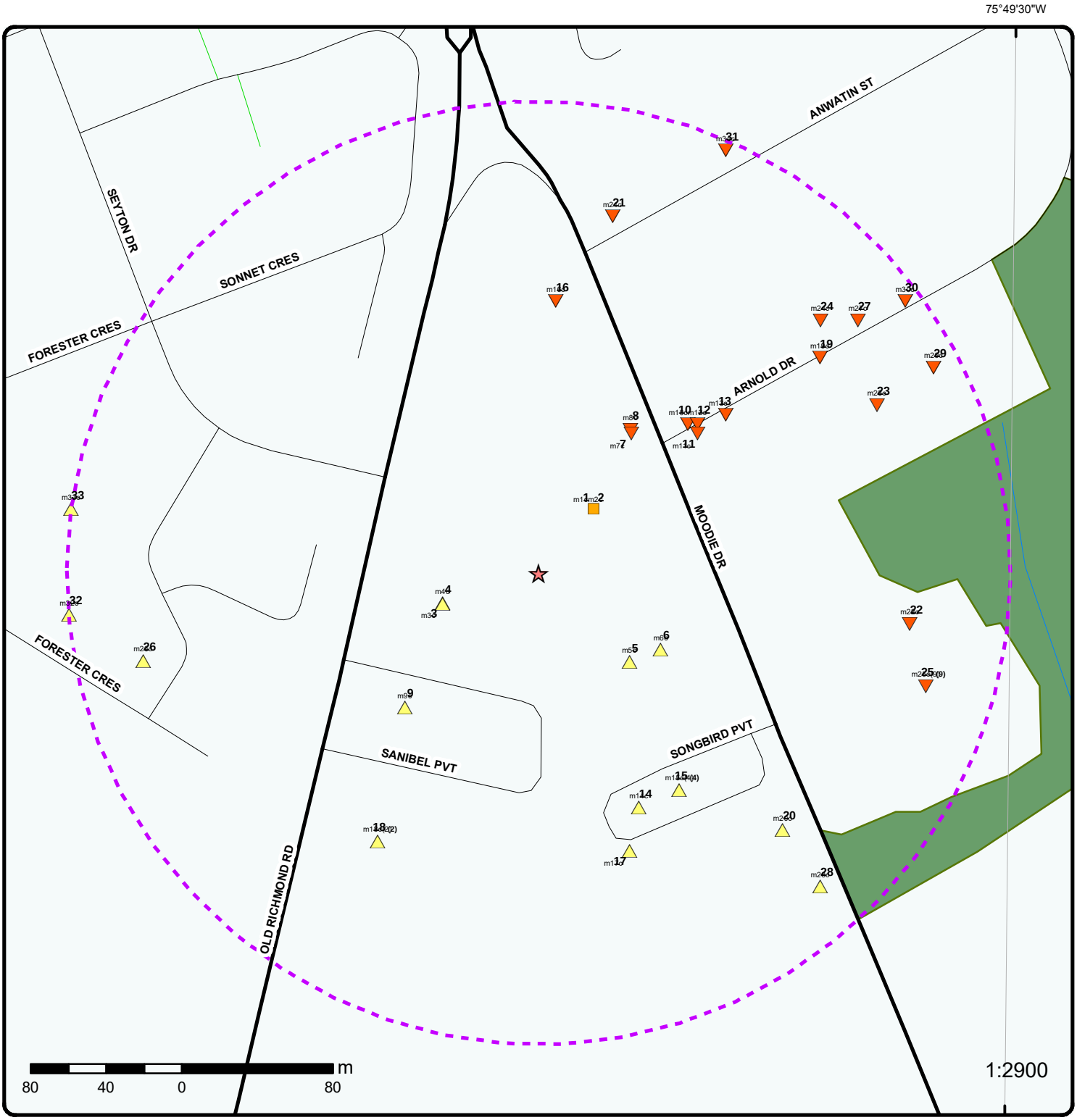
lot 33 con 4 ON	ENE	215.64	**27**

Well ID: 1506131

lot 33 con 4 ON	ENE	235.73	**29**

Well ID: 1506134

lot 33 con 4 ON ***Well ID:*** 1506145	ENE	241.57	**30**
lot 33 con 4 ON ***Well ID:*** 1506194	NNE	244.74	**31**



Map : 0.25 Kilometer Radius

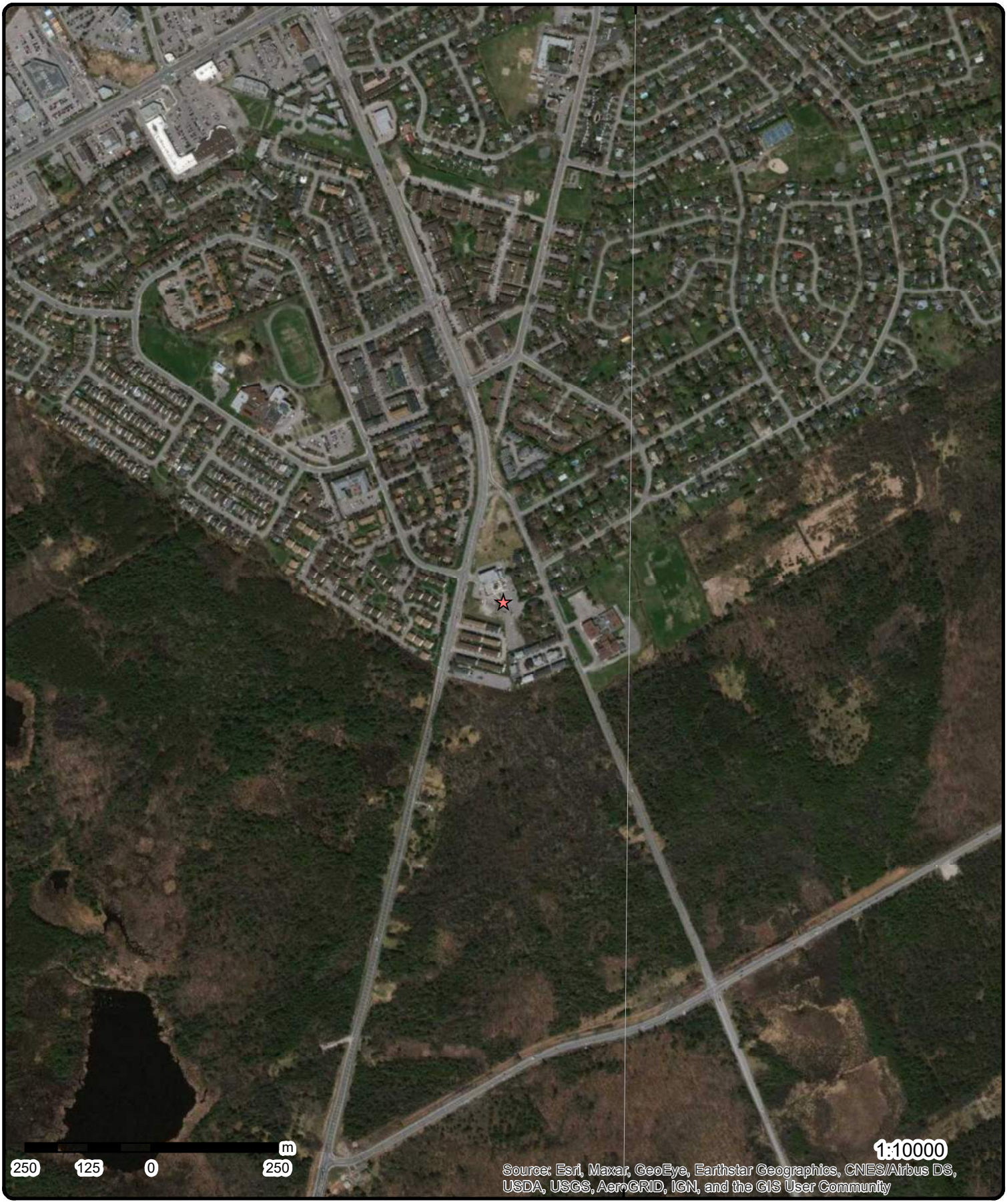
Order Number: 20200727150

Address: 3990 Old Richmond Road, Nepean, ON

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Expressway
- Principal Highway
- Secondary Highway
- Major Road
- Local road
- Trail
- Proposed Road
- Ferry Route/Ice Road
- Industrial and Resource - Regions
- Main Line
- Sidetrack
- Transit Line
- Abandoned Line
- National Park
- Provincial or Territorial Park
- Other Park
- Golf Course or Driving Range
- Park or Sports Field
- Other Recreation Area

75°49'30"W



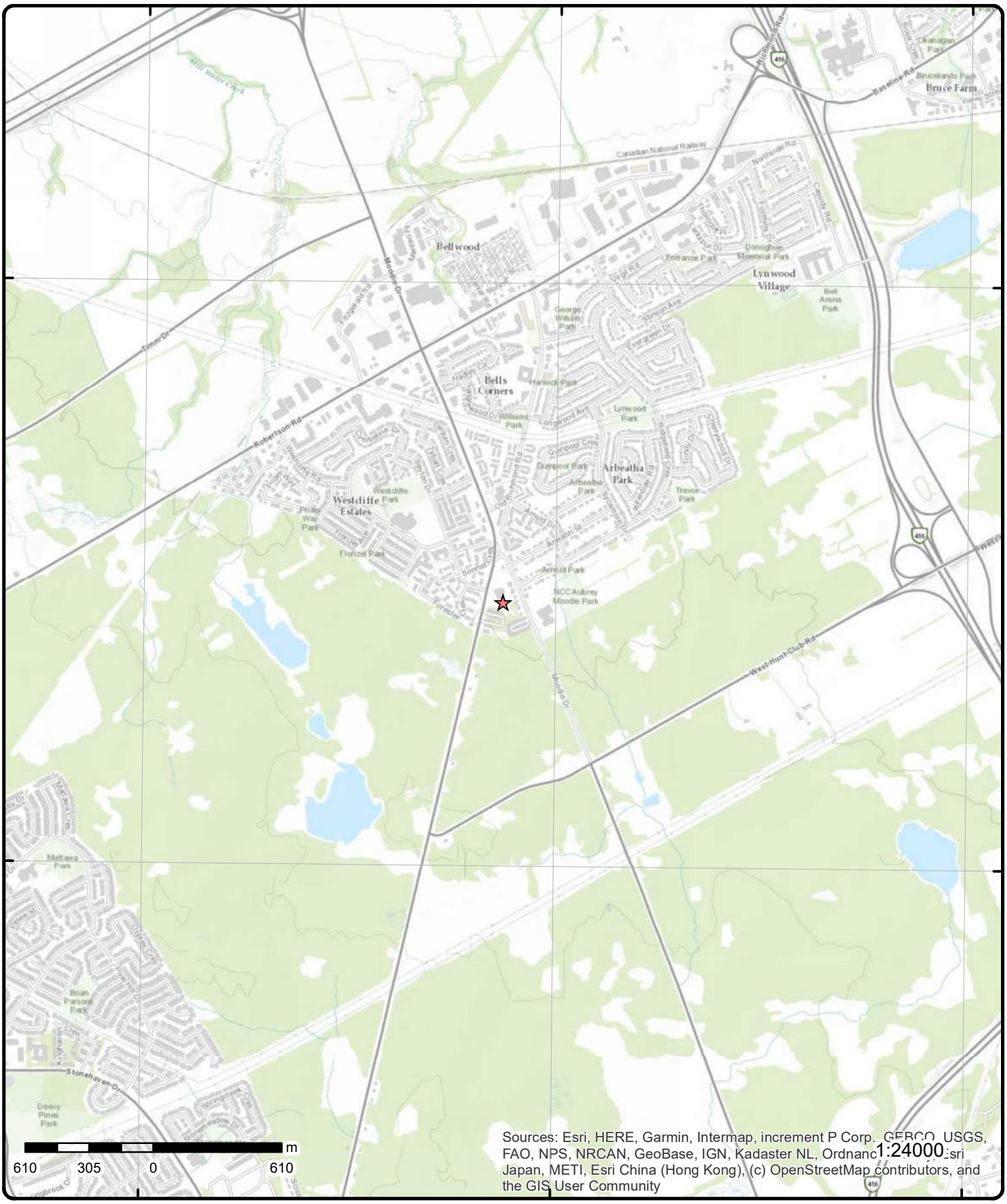
Aerial **Year: 2019**

Order Number: 20200727150

Address: 3990 Old Richmond Road, Nepean, ON

Source: ESRI World Imagery

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES



Topographic Map

Address: 3990 Old Richmond Road, ON

Source: ESRI World Topographic Map

Order Number: 20200727150

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	NE/44.6	97.6 / 0.00	lot 33 con 5 ON	WWIS

Well ID:	1509688	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	6/18/1968
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1503
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	NEPEAN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	033
Well Depth:		**Concession:**	05
Overburden/Bedrock:		**Concession Name:**	RF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10031720	**Elevation:**	99.673316
DP2BR:	5	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	435110.6
Code OB Desc:	Bedrock	**North83:**	5017902
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	5/24/1968	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931012801
Layer:	2
Color:	
General Color:	
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Other Materials:	
Mat3:	

Other Materials:
Formation Top Depth: 5
Formation End Depth: 62
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931012800
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 5
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10580290
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930056077
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 62
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930056076
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

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

Results of Well Yield Testing

Pump Test ID:	991509688
Pump Set At:	
Static Level:	25
Final Level After Pumping:	35
Recommended Pump Depth:	50
Pumping Rate:	9
Flowing Rate:	
Recommended Pump Rate:	5
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:	N

Water Details

Water ID:	933464579
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60
Water Found Depth UOM:	ft

---

2 ***1 of 1*** ***NE/44.7*** ***97.6 / 0.00*** ***ON*** ***BORE***

Borehole ID:	610655	***Inclin FLG:***	No
OGF ID:	215512166	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	MAY-1968	***Municipality:***	
Static Water Level:	3.4	***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.311624
Total Depth m:	18.9	***Longitude DD:***	-75.827809
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	435111
Drill Method:		***Northing:***	5017902
Orig Ground Elev m:	99.4	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	99.7		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218386111	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	1.5	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			

Stratum Description:	CLAY.		
Geology Stratum ID:	218386112	**Mat Consistency:**	
Top Depth:	1.5	**Material Moisture:**	
Bottom Depth:	18.9	**Material Texture:**	Fine
Material Color:	Red	**Non Geo Mat Type:**	
Material 1:	Sandstone	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SANDSTONE. DSTONE. 0002524WATER STABLE AT 315.0 FEET.WEATHERED. BEDROCK,DOLOMITE FINE.		

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: 03163 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		

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3 ***1 of 1*** ***WSW/53.3*** ***97.9 / 0.31*** ***ON*** ***BORE***

Borehole ID:	610653	**Inclin FLG:**	No
OGF ID:	215512164	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	SEP-1952	**Municipality:**	
Static Water Level:	4.6	**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.311167
Total Depth m:	14.9	**Longitude DD:**	-75.828823
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	435031
Drill Method:		**Northing:**	5017852
Orig Ground Elev m:	100	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	100		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218386106	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.6	**Material Texture:**	

Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Soil	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SOIL. BROWN.		

Geology Stratum ID:	218386107	**Mat Consistency:**	
Top Depth:	.6	**Material Moisture:**	
Bottom Depth:	14.9	**Material Texture:**	Fine
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Sandstone	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SANDSTONE. 000590024WATER STABLE AT 315.0 FEET.WEATHERED. BEDROCK,DOLOMITE FINE. GREY, **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 03161 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		

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4 **1 of 1** **WSW/53.4** **97.9 / 0.31** **lot 33 con 5 ON** **WWIS**

Well ID:	1506339	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	11/24/1952
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1802
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	NEPEAN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	033
Well Depth:		**Concession:**	05
Overburden/Bedrock:		**Concession Name:**	RF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10028382	***Elevation:***	100.155982
DP2BR:	2	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	435030.6
Code OB Desc:	Bedrock	***North83:***	5017852
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	9/6/1952	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931004311
Layer:	2
Color:	
General Color:	
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	2
Formation End Depth:	49
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931004310
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10576952
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930049509
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 49
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930049508
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 8
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991506339
Pump Set At:
Static Level: 5
Final Level After Pumping: 25
Recommended Pump Depth:
Pumping Rate: 2
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: N

Water Details

Water ID: 933460463
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 46
Water Found Depth UOM: ft

5	1 of 1	SE/67.4	97.9 / 0.31	lot 32 con 5 ON	WWIS

Well ID: 1517745 ***Data Entry Status:***

Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	3/3/1982
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1558
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	032
Well Depth:		***Concession:***	05
Overburden/Bedrock:		***Concession Name:***	RF
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10039617	***Elevation:***	99.543724
DP2BR:	0	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	435129.6
Code OB Desc:	Bedrock	***North83:***	5017821
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	11/10/1981	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931036194
Layer:	2
Color:	1
General Color:	WHITE
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	78
Other Materials:	MEDIUM-GRAINED
Mat3:	
Other Materials:	
Formation Top Depth:	50
Formation End Depth:	125
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931036193
Layer:	1
Color:	1
General Color:	WHITE
Mat1:	18

Most Common Material:	SANDSTONE
Mat2:	90
Other Materials:	VERY
Mat3:	73
Other Materials:	HARD
Formation Top Depth:	0
Formation End Depth:	50
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10588187
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930069249
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930069250
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	125
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991517745
Pump Set At:	
Static Level:	20
Final Level After Pumping:	50
Recommended Pump Depth:	110
Pumping Rate:	5
Flowing Rate:	
Recommended Pump Rate:	5
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:	N

Draw Down & Recovery

Pump Test Detail ID:	934646413
Test Type:	Draw Down
Test Duration:	45
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934895688
Test Type:	Draw Down
Test Duration:	60
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934102957
Test Type:	Draw Down
Test Duration:	15
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934376577
Test Type:	Draw Down
Test Duration:	30
Test Level:	50
Test Level UOM:	ft

Water Details

Water ID:	933474279
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	120
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
6	1 of 1	ESE/76.4	97.9 / 0.31	***1634131 Ontario Inc.*** ***574 to 582 Moodie Drive*** ***Ottawa ON***	CA

Certificate #:	7799-6LSHV9
Application Year:	2006
Issue Date:	2/8/2006
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	

Contaminants:
Emission Control:

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7 | ***1 of 1*** | ***NE/88.6*** | ***96.9 / -0.69*** | ***lot 33 con 5 ON*** | ***WWIS***

Well ID:	1506334	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/20/1956
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3601
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	033
Well Depth:		***Concession:***	05
Overburden/Bedrock:		***Concession Name:***	RF
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10028377	***Elevation:***	99.089248
DP2BR:	3	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	435130.6
Code OB Desc:	Bedrock	***North83:***	5017942
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	9/10/1956	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931004300
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	3
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931004301
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	3
Formation End Depth:	50
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10576947
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930049499
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	50
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930049498
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	6
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991506334
Pump Set At:	
Static Level:	3

Final Level After Pumping:	17
Recommended Pump Depth:	
Pumping Rate:	2
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:	N

Water Details

Water ID:	933460457
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	50
Water Found Depth UOM:	ft

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8 ***1 of 1*** ***NE/90.0*** ***96.9 / -0.69*** ***lot 33 con 5 ON*** ***WWIS***

Well ID:	1532253	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/20/2001
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1119
Casing Material:		***Form Version:***	1
Audit No:	232807	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	033
Well Depth:		***Concession:***	05
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10516703	***Elevation:***	99.082023
DP2BR:	3	***Elevrc:***	
Spatial Status:	Improved	***Zone:***	18
Code OB:	r	***East83:***	435130
Code OB Desc:	Bedrock	***North83:***	5017944
Open Hole:		***Org CS:***	N83
Cluster Kind:		***UTMRC:***	3
Date Completed:	7/23/2001	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:	1999-2004 MOE Water Well Data Improvement Project		
Improvement Location Method:	GIS10000		
Source Revision Comment:	Northing and/or Easting field has been changed. Location estimated from sketch map.		

Supplier Comment: Accuracy was not specified from source. Within 20m horizontal accuracy assumed as worst case using GIS at a scale of 1:10000.

Overburden and Bedrock Materials Interval

Formation ID: 932832295
Layer: 1
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 3
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932832296
Layer: 2
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 3
Formation End Depth: 140
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933219703
Layer: 1
Plug From: 2
Plug To: 24
Plug Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 11065273
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930094433
Layer:	1
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930094435
Layer:	3
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930094434
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991532253
Pump Set At:	
Static Level:	0
Final Level After Pumping:	130
Recommended Pump Depth:	130
Pumping Rate:	15
Flowing Rate:	
Recommended Pump Rate:	15
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:	N

Draw Down & Recovery

Pump Test Detail ID:	934917260
Test Type:	Recovery
Test Duration:	60
Test Level:	0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934399852
Test Type:	Recovery
Test Duration:	30
Test Level:	0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934660374
Test Type:	Recovery
Test Duration:	45
Test Level:	0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934116238
Test Type:	Recovery
Test Duration:	15
Test Level:	0
Test Level UOM:	ft

Water Details

Water ID:	934008405
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	132
Water Found Depth UOM:	ft

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9 ***1 of 1*** ***SW/100.5*** ***97.9 / 0.31*** ***lot 32 con 5 ON*** ***WWIS***

Well ID:	1506332	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	5/5/1955
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4216
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	032
Well Depth:		***Concession:***	05
Overburden/Bedrock:		***Concession Name:***	RF
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10028375	***Elevation:***	100.143997

DP2BR:	6	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	435010.6
Code OB Desc:	Bedrock	**North83:**	5017797
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	4/23/1955	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931004297
Layer:	2
Color:	
General Color:	
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	6
Formation End Depth:	60
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931004296
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	6
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10576945
Casing No:	1
Comment:	

Alt Name:

Construction Record - Casing

Casing ID:	930049494
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	10
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930049495
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	60
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991506332
Pump Set At:	
Static Level:	2
Final Level After Pumping:	15
Recommended Pump Depth:	
Pumping Rate:	6
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	N

Water Details

Water ID:	933460455
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	30
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
10	1 of 1	NE/111.7	96.9 / -0.69	lot 33 con 4 ON	WWIS

Well ID:	1506126	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	6/7/1954
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	

Water Type:		***Contractor:***	4216
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	033
Well Depth:		***Concession:***	04
Overburden/Bedrock:		***Concession Name:***	RF
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10028169	***Elevation:***	98.575119
DP2BR:	5	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	435160.6
Code OB Desc:	Bedrock	***North83:***	5017947
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	3/24/1954	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931003841
Layer:	2
Color:	
General Color:	
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	5
Formation End Depth:	68
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931003840
Layer:	1
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Other Materials:	
Mat3:	

Other Materials:
Formation Top Depth: 0
Formation End Depth: 5
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10576739
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930049084
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 11
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930049085
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 68
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991506126
Pump Set At:
Static Level: 5
Final Level After Pumping: 7
Recommended Pump Depth:
Pumping Rate: 6
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: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

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

Water Details

Water ID:	933460210
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	68
Water Found Depth UOM:	ft

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11 | ***1 of 1*** | ***ENE/111.9*** | ***96.9 / -0.69*** | ***lot 33 con 4 ON*** | ***WWIS***

Well ID:	1506161	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	6/2/1960
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4216
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	033
Well Depth:		***Concession:***	04
Overburden/Bedrock:		***Concession Name:***	RF
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10028204	***Elevation:***	98.572975
DP2BR:	7	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	435165.6
Code OB Desc:	Bedrock	***North83:***	5017942
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	4/30/1960	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931003910
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	

Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 7
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931003911
Layer: 2
Color:
General Color:
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 7
Formation End Depth: 48
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10576774
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930049155
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 48
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930049154
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 8
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	991506161
Pump Set At:	
Static Level:	2
Final Level After Pumping:	3
Recommended Pump Depth:	
Pumping Rate:	30
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:	N

Water Details

Water ID:	933460253
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	20
Water Found Depth UOM:	ft

---

12 ***1 of 1*** ***NE/115.3*** ***96.9 / -0.69*** ***lot 33 con 4 ON*** ***WWIS***

Well ID:	1506123	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	4/21/1955
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3601
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	033
Well Depth:		***Concession:***	04
Overburden/Bedrock:		***Concession Name:***	RF
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10028166	***Elevation:***	98.513053
DP2BR:	8	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	435165.6
Code OB Desc:	Bedrock	***North83:***	5017947
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9

Date Completed: 3/8/1955
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 931003835
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 8
Formation End Depth: 70
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931003834
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 8
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10576736
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930049079
Layer: 2

Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	70
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930049078
Layer:	1
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	8
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991506123
Pump Set At:	
Static Level:	8
Final Level After Pumping:	8
Recommended Pump Depth:	
Pumping Rate:	5
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:	N

Water Details

Water ID:	933460207
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	70
Water Found Depth UOM:	ft

13	1 of 1	ENE/129.8	96.9 / -0.69	lot 33 con 4 ON	WWIS

Well ID:	1506138	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	5/20/1958
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3601
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	NEPEAN TOWNSHIP

Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	033
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	RF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10028181	**Elevation:**	98.314018
DP2BR:	14	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	435180.6
Code OB Desc:	Bedrock	**North83:**	5017952
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	4/21/1958	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931003865
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	14
Formation End Depth:	60
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931003864
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	14
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10576751
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930049108
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 14
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930049109
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 60
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991506138
Pump Set At:
Static Level: 8
Final Level After Pumping: 8
Recommended Pump Depth:
Pumping Rate: 5
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: N

Water Details

Water ID: 933460222
Layer: 1

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

Kind Code: 1
Kind: FRESH
Water Found Depth: 60
Water Found Depth UOM: ft

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14 *1 of 1* *SSE/135.2* *98.9 / 1.31* ***75 SONGBIRD [PRIVATE]*** ***NEPEAN ON K2H 0A3*** ***HINC***

External File Num: FS INC 0807-03864
Fuel Occurrence Type: Pipeline Strike
Date of Occurrence: 7/14/2008
Fuel Type Involved: Natural Gas
Status Desc: Completed - Causal Analysis(End)
Job Type Desc: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved: Construction Site (pipeline strike)
Service Interruptions: Yes
Property Damage: Yes
Fuel Life Cycle Stage: Transmission, Distribution and Transportation
Root Cause: Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training:No Management:Yes Human Factors:Yes
Reported Details:
Fuel Category: Gaseous Fuel
Occurrence Type: Incident
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name: Ottawa
Approx. Quant. Rel:
Nearby body of water:
Enter Drainage Syst.:
Approx. Quant. Unit:
Environmental Impact:

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15 *1 of 4* *SE/137.0* *98.9 / 1.31* ***1634131 Ontario Inc.*** ***582 Moodie Drive*** ***Ottawa ON*** ***CA***

Certificate #: 2738-6R5JRX
Application Year: 2006
Issue Date: 6/29/2006
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:

---

15 *2 of 4* *SE/137.0* *98.9 / 1.31* ***1634131 Ontario Inc.*** ***574 to 582 Moodie Dr*** ***Ottawa ON K2A 0E7*** ***ECA***

Approval No: 0907-6LSHRC
Approval Date: 2006-02-08
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

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

Address: 574 to 582 Moodie Dr
Full Address:
Full PDF Link:

---

15 | **3 of 4** | **SE/137.0** | **98.9 / 1.31** | **1634131 Ontario Inc.**
574 to 582 Moodie Dr
Ottawa ON K2A 0E7 | **ECA**

Approval No: 7799-6LSHV9
Approval Date: 2006-02-08
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
Address: 574 to 582 Moodie Dr
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6758-6LNTTS-14.pdf

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15 | **4 of 4** | **SE/137.0** | **98.9 / 1.31** | **1634131 Ontario Inc.**
582 Moodie Dr
Ottawa ON K2A 0E7 | **ECA**

Approval No: 2738-6R5JRX
Approval Date: 2006-06-29
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
Address: 582 Moodie Dr
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8298-6P7PSE-14.pdf

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16 | **1 of 1** | **N/144.1** | **96.2 / -1.39** | **lot 33 con 5**
ON | **WWIS**

Well ID: 1506343
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Data Entry Status:
Data Src: 1
Date Received: 12/7/1962
Selected Flag: Yes
Abandonment Rec:
Contractor: 1503
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 033
Concession: 05
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10028386	***Elevation:***	98.762458
DP2BR:	3	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	435090.6
Code OB Desc:	Bedrock	***North83:***	5018012
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	9/1/1962	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931004319
Layer:	1
Color:	
General Color:	
Mat1:	01
Most Common Material:	FILL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	3
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931004320
Layer:	2
Color:	
General Color:	
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	3
Formation End Depth:	80
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10576956
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930049517
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	17
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930049518
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	80
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991506343
Pump Set At:	
Static Level:	7
Final Level After Pumping:	30
Recommended Pump Depth:	70
Pumping Rate:	5
Flowing Rate:	
Recommended Pump Rate:	5
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:	N

Water Details

Water ID:	933460469
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	78
Water Found Depth UOM:	ft

17	*1 of 1*	***SSE/154.9***	***98.9 / 1.31***	***lot 32 con 5 ON***	***WWIS***

Well ID:	1518023	**Data Entry Status:**	
Construction Date:		**Data Src:**	1

Primary Water Use:	Domestic	**Date Received:**	12/13/1982
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1558
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	NEPEAN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	032
Well Depth:		**Concession:**	05
Overburden/Bedrock:		**Concession Name:**	RF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10039894	**Elevation:**	99.331092
DP2BR:	6	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	435129.6
Code OB Desc:	Bedrock	**North83:**	5017721
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	10/6/1982	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931037096
Layer:	2
Color:	1
General Color:	WHITE
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	6
Formation End Depth:	125
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931037095
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY

Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 6
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10588464
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930069691
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 23
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930069692
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 125
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991518023
Pump Set At:
Static Level: 10
Final Level After Pumping: 45
Recommended Pump Depth: 100
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 5
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: N

Draw Down & Recovery

Pump Test Detail ID: 934377679
Test Type: Draw Down
Test Duration: 30
Test Level: 45
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934103211
Test Type: Draw Down
Test Duration: 15
Test Level: 45
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934647513
Test Type: Draw Down
Test Duration: 45
Test Level: 45
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934896787
Test Type: Draw Down
Test Duration: 60
Test Level: 45
Test Level UOM: ft

Water Details

Water ID: 933474647
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 35
Water Found Depth UOM: ft

Water Details

Water ID: 933474648
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 120
Water Found Depth UOM: ft

18	*1 of 2*	*SW/165.6*	*98.9 / 1.31*	***Royal Canadian Legion*** ***4026 Richmond Road*** ***Ottawa ON***	*CA*

Certificate #: 2489-5TUS47
Application Year: 2003

Issue Date: 12/9/2003
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

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18 | **2 of 2** | **SW/165.6** | **98.9 / 1.31** | **Royal Canadian Legion**
4026 Richmond Road
Ottawa ON K2R 1H7 | **ECA**

Approval No: 2489-5TUS47
Approval Date: 2003-12-09
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
Approval Type: ECA-AIR
Project Type: AIR
Address: 4026 Richmond Road
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7243-5T8RNF-14.pdf

MOE District: Ottawa
City:
Longitude: -75.830986
Latitude: 45.305983999999995
Geometry X:
Geometry Y:

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19 | **1 of 1** | **ENE/187.6** | **95.9 / -1.69** | **lot 33 con 4**
ON | **WWIS**

Well ID: 1506130
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 3/21/1957
Selected Flag: Yes
Abandonment Rec:
Contractor: 4833
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 033
Concession: 04
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10028173
DP2BR: 10
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:

Elevation: 97.657295
Elevrc:
Zone: 18
East83: 435230.6
North83: 5017982
Org CS:
UTMRC: 5

Date Completed: 2/7/1957
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC Desc: margin of error : 100 m - 100 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 931003848
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 10
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931003849
Layer: 2
Color:
General Color:
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 10
Formation End Depth: 73
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10576743
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930049092
Layer: 1

Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	12
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930049093
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	73
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991506130
Pump Set At:	
Static Level:	6
Final Level After Pumping:	40
Recommended Pump Depth:	
Pumping Rate:	5
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	15
Flowing:	N

Water Details

Water ID:	933460214
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	70
Water Found Depth UOM:	ft

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20 | ***1 of 1*** | ***SE/187.7*** | ***98.4 / 0.88*** | ***lot 32 con 5 ON*** | ***WWIS***

Well ID:	1506331	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	10/22/1953
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1802
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	NEPEAN TOWNSHIP

Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	032
Well Depth:		**Concession:**	05
Overburden/Bedrock:		**Concession Name:**	RF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10028374	**Elevation:**	99.354972
DP2BR:	0	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	435210.6
Code OB Desc:	Bedrock	**North83:**	5017732
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	10/7/1953	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931004295
Layer:	1
Color:	
General Color:	
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	55
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10576944
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930049492
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	10
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930049493
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	55
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991506331
Pump Set At:	
Static Level:	10
Final Level After Pumping:	20
Recommended Pump Depth:	
Pumping Rate:	4
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:	N

Water Details

Water ID:	933460454
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	52
Water Found Depth UOM:	ft

---

21 ***1 of 1*** ***NNE/192.8*** ***95.9 / -1.69*** ***lot 33 con 4 ON*** ***WWIS***

Well ID:	1506125	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/14/1952
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1802
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	

Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	033
Well Depth:		***Concession:***	04
Overburden/Bedrock:		***Concession Name:***	RF
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10028168	***Elevation:***	98.438079
DP2BR:	3	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	435120.6
Code OB Desc:	Bedrock	***North83:***	5018057
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	8/7/1952	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931003838
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	3
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931003839
Layer:	2
Color:	
General Color:	
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	3
Formation End Depth:	45
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10576738
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930049083
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 45
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930049082
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 10
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991506125
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate: 2
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR:
Pumping Duration MIN:
Flowing: Y

Water Details

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

Water ID:	933460209
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	42
Water Found Depth UOM:	ft

---

22 **1 of 1** **E/198.4** **96.9 / -0.70** **ON** **WWIS**

Well ID:	7296911	**Data Entry Status:**	Yes
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	10/6/2017
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:		**Abandonment Rec:**	
Water Type:		**Contractor:**	7543
Casing Material:		**Form Version:**	8
Audit No:	C39085	**Owner:**	
Tag:	A166260	**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	NEPEAN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1006764423	**Elevation:**	98.270385
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	435278
Code OB Desc:		**North83:**	5017841
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	8/18/2017	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

---

23 **1 of 1** **ENE/199.9** **95.9 / -1.69** **lot 33 con 4** **ON** **WWIS**

Well ID:	1506132	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	7/5/1957
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4833
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	NEPEAN TOWNSHIP

Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	033
Well Depth:		***Concession:***	04
Overburden/Bedrock:		***Concession Name:***	RF
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10028175	***Elevation:***	97.500549
DP2BR:	10	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	435260.6
Code OB Desc:	Bedrock	***North83:***	5017957
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	3/22/1957	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931003852
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931003853
Layer:	2
Color:	
General Color:	
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	10
Formation End Depth:	61
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10576745
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930049096
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 18
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930049097
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 61
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991506132
Pump Set At:
Static Level: 6
Final Level After Pumping: 20
Recommended Pump Depth:
Pumping Rate: 5
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 20
Flowing: N

Water Details

Water ID: 933460216
Layer: 1

Kind Code:	1
Kind:	FRESH
Water Found Depth:	55
Water Found Depth UOM:	ft

24 **1 of 1** **ENE/200.4** **95.9 / -1.69** **ON** **BORE**

Borehole ID:	610659	**Inclin FLG:**	No
OGF ID:	215512170	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:		**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.312535
Total Depth m:	-999	**Longitude DD:**	-75.826291
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	435231
Drill Method:		**Northing:**	5018002
Orig Ground Elev m:	97.5	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	97.8		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218386119	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	2.1	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY.		

Geology Stratum ID:	218386120	**Mat Consistency:**	
Top Depth:	2.1	**Material Moisture:**	
Bottom Depth:		**Material Texture:**	Fine
Material Color:	Blue	**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Sandstone	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BEDROCK,SANDSTONE. 00048BLUE. LIMESTONE. BROWN. 00058ATHERED. BEDROCK,DOLOMITE FINE.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	M	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 031670 NTS_Sheet: 31G05C		
Confiden 1:	Reliable information but incomplete.		

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

Source List

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

25 ***1 of 9*** ***ESE/213.5*** ***96.9 / -0.69*** ***SCHOOL*** ***SPL***
595 MOODIE DRIVE AT D. AUDREY MOODIE INTERMEDIATE HIGH SCHOOL. HEATING OIL TANK
NEPEAN CITY ON K2H 8A8

Ref No:	154704	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	//	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	UNDERGROUND TANK LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	CONFIRMED	***Site Municipality:***	20104
Nature of Impact:	Soil contamination	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	4/18/1998	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	CORROSION	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	D. AUDREY MOODIE SCHOOL- EMERGENCY WASTE GEN. # ISSUED FOR LIQUID WASTES.		
Contaminant Qty:			

25 ***2 of 9*** ***ESE/213.5*** ***96.9 / -0.69*** ***Ottawa-Carleton District School Board*** ***GEN***
595 Moodie Dr.
Nepean ON K2H 8A8

Generator No:	ON2632557	***PO Box No:***	
Status:		***Country:***	
Approval Years:	07,08	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:	611110		
SIC Description:	Elementary and Secondary Schools		

Detail(s)

Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

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

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

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25 **3 of 9** **ESE/213.5** **96.9 / -0.69** **Ottawa-Carleton District School Board**
595 Moodie Dr.
Nepean ON K2H 8A8 **GEN**

Generator No: ON2632557
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 611110
SIC Description: Elementary and Secondary Schools

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

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

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

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25 **4 of 9** **ESE/213.5** **96.9 / -0.69** **Ottawa-Carleton District School Board**
595 Moodie Dr.
Nepean ON K2H 8A8 **GEN**

Generator No: ON2632557
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 611110
SIC Description: Elementary and Secondary Schools

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

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

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

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25 **5 of 9** **ESE/213.5** **96.9 / -0.69** **Ottawa-Carleton District School Board**
595 Moodie Dr.
Nepean ON K2H 8A8
GEN

Generator No: ON2632557
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 611110
SIC Description: Elementary and Secondary Schools

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

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

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

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25 **6 of 9** **ESE/213.5** **96.9 / -0.69** **Ottawa-Carleton District School Board**
595 Moodie Dr.
Nepean ON K2H 8A8
GEN

Generator No: ON2632557
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 611110
SIC Description: Elementary and Secondary Schools

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 252

Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

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25 | **7 of 9** | **ESE/213.5** | **96.9 / -0.69** | **NEPEAN ON** | **WWIS**

Well ID: 7194999
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z150525
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 1/9/2013
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 6964
Form Version: 7
Owner:
Street Name: 595 MOODIE DRIVE
County:
Municipality:
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1004232681
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 8/23/2012
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone:
East83:
North83:
Org CS: UTM83
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1004754251
Layer: 3
Color: 2
General Color: GREY

Mat1: 01
Most Common Material: FILL
Mat2: 06
Other Materials: SILT
Mat3: 28
Other Materials: SAND
Formation Top Depth: 0.61
Formation End Depth: 1.84
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1004754252
Layer: 4
Color: 2
General Color: GREY
Mat1: 06
Most Common Material: SILT
Mat2: 05
Other Materials: CLAY
Mat3:
Other Materials:
Formation Top Depth: 1.84
Formation End Depth: 2.28
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1004754253
Layer: 5
Color: 2
General Color: GREY
Mat1:
Most Common Material:
Mat2: 18
Other Materials: SANDSTONE
Mat3: 26
Other Materials: ROCK
Formation Top Depth: 2.28
Formation End Depth: 5.23
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1004754249
Layer: 1
Color: 6
General Color: BROWN
Mat1: 06
Most Common Material: SILT
Mat2: 28
Other Materials: SAND
Mat3: 02
Other Materials: TOPSOIL
Formation Top Depth: 0
Formation End Depth: 0.1
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID:	1004754250
Layer:	2
Color:	2
General Color:	GREY
Mat1:	01
Most Common Material:	FILL
Mat2:	06
Other Materials:	SILT
Mat3:	05
Other Materials:	CLAY
Formation Top Depth:	0.1
Formation End Depth:	0.61
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004754259
Layer:	1
Plug From:	0
Plug To:	0.1
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004754261
Layer:	3
Plug From:	1
Plug To:	5.23
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004754260
Layer:	2
Plug From:	0.1
Plug To:	1
Plug Depth UOM:	m

Pipe Information

Pipe ID:	1004754248
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004754256
Layer:	
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID: 1004754257
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Water Details

Water ID: 1004754255
Layer: 1
Kind Code:
Kind:
Water Found Depth: 2.85
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1004754254
Diameter:
Depth From:
Depth To:
Hole Depth UOM: m
Hole Diameter UOM: cm

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25 | ***8 of 9*** | ***ESE/213.5*** | ***96.9 / -0.69*** | ***Ottawa-Carleton District School Board***
595 Moodie Dr.
Nepean ON | ***GEN***

Generator No: ON2632557
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 611110
SIC Description: ELEMENTARY AND SECONDARY SCHOOLS

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

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

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
25	9 of 9	ESE/213.5	96.9 / -0.69	595 Moodie Drive Ottawa ON K2H 8A8	EHS

Order No:	20170712132	**Nearest Intersection:**	
Status:	C	**Municipality:**	Ottawa
Report Type:	RSC Report (Urban)	**Client Prov/State:**	ON
Report Date:	19-JUL-17	**Search Radius (km):**	.3
Date Received:	12-JUL-17	**X:**	-75.824887
Previous Site Name:		**Y:**	45.311151
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Title Searches; City Directory; Aerial Photos		

26	1 of 1	W/214.5	98.9 / 1.31	11D Forester Crescent Ottawa ON	SPL

Ref No:	2482-BGUT4R	**Discharger Report:**	
Site No:	NA	**Material Group:**	
Incident Dt:	10/11/2019	**Health/Env Conseq:**	2 - Minor Environment
Year:		**Client Type:**	
Incident Cause:		**Sector Type:**	Miscellaneous Communal
Incident Event:	Dumping	**Agency Involved:**	
Contaminant Code:	27	**Nearest Watercourse:**	
Contaminant Name:	PAINT OR PAINT RELATED N.O.S.	**Site Address:**	11D Forester Crescent
Contaminant Limit 1:		**Site District Office:**	Ottawa
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:	1263	**Site Region:**	Eastern
Environment Impact:		**Site Municipality:**	Ottawa
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Land	**Northing:**	5017913
MOE Response:	No	**Easting:**	434815
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	10/11/2019	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	Land Spills
Incident Reason:	Operator/Human Error	**Source Type:**	Unknown / N/A
Site Name:	CB infront of a residential property <UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	CoOttawa: Paint Dumping into cb		
Contaminant Qty:	1 other - see incident description		

27	1 of 1	ENE/215.6	95.9 / -1.64	lot 33 con 4 ON	WWIS

Well ID:	1506131	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	3/21/1957
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4833
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	NEPEAN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	033
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	RF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	

Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10028174	***Elevation:***	97.245193
DP2BR:	10	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	435250.6
Code OB Desc:	Bedrock	***North83:***	5018002
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	2/15/1957	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931003851
Layer:	2
Color:	
General Color:	
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	10
Formation End Depth:	70
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931003850
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Other Method Construction:

Pipe Information

Pipe ID: 10576744
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930049094
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 12
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930049095
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 70
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991506131
Pump Set At:
Static Level: 6
Final Level After Pumping: 40
Recommended Pump Depth:
Pumping Rate: 5
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 20
Flowing: N

Water Details

Water ID: 933460215
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 65
Water Found Depth UOM: ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
28	1 of 1	SE/223.3	98.6 / 1.00	lot 32 con 5 ON	WWIS

Well ID: 1506337
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 9/5/1962
Selected Flag: Yes
Abandonment Rec:
Contractor: 1503
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 032
Concession: 05
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10028380
DP2BR: 7
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 5/25/1962
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 99.520362
Elevrc:
Zone: 18
East83: 435230.6
North83: 5017702
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 931004307
Layer: 2
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 7
Formation End Depth: 67
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931004306

Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	13
Other Materials:	BOULDERS
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	7
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10576950
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930049504
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930049505
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	67
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991506337
Pump Set At:	
Static Level:	9
Final Level After Pumping:	47
Recommended Pump Depth:	55
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	8

Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	N

Water Details

Water ID:	933460461
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	65
Water Found Depth UOM:	ft

Water Details

Water ID:	933460460
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	50
Water Found Depth UOM:	ft

29 ***1 of 1*** ***ENE/235.7*** ***95.6 / -2.00*** ***lot 33 con 4 ON*** ***WWIS***

Well ID:	1506134	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	7/5/1957
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4833
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	NEPEAN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	033
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	RF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10028177	**Elevation:**	97.130836
DP2BR:	11	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	435290.6
Code OB Desc:	Bedrock	**North83:**	5017977
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	5/6/1957	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5

Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931003857
Layer: 2
Color:
General Color:
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 11
Formation End Depth: 61
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931003856
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 11
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10576747
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930049101
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE

Depth From:	
Depth To:	61
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930049100
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	14
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991506134
Pump Set At:	
Static Level:	6
Final Level After Pumping:	20
Recommended Pump Depth:	
Pumping Rate:	5
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	15
Flowing:	N

Water Details

Water ID:	933460218
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	58
Water Found Depth UOM:	ft

30	***1 of 1***	***ENE/241.6***	***95.4 / -2.12***	***lot 33 con 4 ON***	***WWIS***

Well ID:	1506145	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/19/1958
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3701
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	033

Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Concession: 04
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10028188
DP2BR: 11
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 9/24/1958
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 96.973846
Elevrc:
Zone: 18
East83: 435275.6
North83: 5018012
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 931003879
Layer: 2
Color:
General Color:
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 11
Formation End Depth: 46
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931003878
Layer: 1
Color:
General Color:
Mat1: 06
Most Common Material: SILT
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 11
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10576758
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930049123
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 46
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930049122
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 14
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991506145
Pump Set At:
Static Level: 8
Final Level After Pumping: 19
Recommended Pump Depth:
Pumping Rate: 5
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: N

Water Details

Water ID: 933460233
Layer: 2
Kind Code: 1
Kind: FRESH

Water Found Depth:	46
Water Found Depth UOM:	ft

Water Details

Water ID:	933460232
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	30
Water Found Depth UOM:	ft

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31 | ***1 of 1*** | ***NNE/244.7*** | ***95.2 / -2.38*** | ***lot 33 con 4 ON*** | ***WWIS***

Well ID:	1506194	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	12/7/1966
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1703
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	NEPEAN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	033
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	RF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10028237	**Elevation:**	98.235183
DP2BR:	1	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	435180.6
Code OB Desc:	Bedrock	**North83:**	5018092
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	5/20/1966	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931003980
Layer:	2
Color:	
General Color:	
Mat1:	18

Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 1
Formation End Depth: 124
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931003979
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10576807
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930049220
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930049221
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 124
Casing Diameter: 2

Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991506194
Pump Set At:	
Static Level:	
Final Level After Pumping:	18
Recommended Pump Depth:	18
Pumping Rate:	6
Flowing Rate:	2
Recommended Pump Rate:	6
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:	30
Flowing:	Y

Water Details

Water ID:	933460295
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	90
Water Found Depth UOM:	ft

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32 | ***1 of 1*** | ***W/249.6*** | ***98.9 / 1.31*** | ***between 11D and 13A Forester Cres Ottawa ON*** | ***SPL***

Ref No:	3025-BGV29M	**Discharger Report:**	
Site No:	NA	**Material Group:**	
Incident Dt:	10/11/2019	**Health/Env Conseq:**	2 - Minor Environment
Year:		**Client Type:**	
Incident Cause:		**Sector Type:**	Unknown / N/A
Incident Event:	Dumping	**Agency Involved:**	
Contaminant Code:	27	**Nearest Watercourse:**	
Contaminant Name:	PAINT OR PAINT RELATED N.O.S.	**Site Address:**	between 11D and 13A Forester Cres
Contaminant Limit 1:		**Site District Office:**	Ottawa
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:	1263	**Site Region:**	Eastern
Environment Impact:		**Site Municipality:**	Ottawa
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Land	**Northing:**	
MOE Response:	No	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	10/11/2019	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	Primary Assessment of Spills
Incident Reason:	Unknown / N/A	**Source Type:**	Container/Drum/Tote
Site Name:	Road surface and private CBs<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Duplicate report: City of Ottawa paint to cb		
Contaminant Qty:	1 other - see incident description		

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33 | ***1 of 1*** | ***W/249.9*** | ***98.9 / 1.31*** | ***38-A FORESTER CRES., OTTAWA*** | ***INC***

Incident No:	209670
Incident ID:	2360674
Attribute Category:	FS-Perform L1 Incident Insp
Status Code:	Causal Analysis Complete
Incident Location:	38-A FORESTER CRES., OTTAWA - VAPOUR RELEASE
Drainage System:	
Sub Surface Contam.:	
Aff. Prop. Use Water:	
Contam. Migrated:	
Contact Natural Env.:	
Near Body of Water:	
Approx. Quant. Rel.:	
Equipment Model:	3468 VVV
Serial No:	19092467 MW
Residential App. Type:	Other Cooking Equipment
Commercial App. Type:	
Industrial App. Type:	
Institutional App. Type:	
Venting Type:	
Vent Connector Mater:	
Vent Chimney Mater:	
Pipeline Type:	
Pipeline Involved:	
Pipe Material:	
Depth Ground Cover:	
Regulator Location:	
Regulator Type:	
Operation Pressure:	
Liquid Prop Make:	
Liquid Prop Model:	
Liquid Prop Serial No:	
Equipment Type:	
Cylinder Capacity:	
Cylinder Capac. Units:	
Cylinder Material Type:	
Tank Capacity:	
Fuels Occurence Type:	Fire
Fuel Type Involved:	Natural Gas
Date of Occurence:	2009/09/29 00:00:00
Time of Occurence:	17:50:00
Occur Insp Start Date:	2009/10/03 00:00:00
Any Health Impact:	No
Any Environmental Impact:	No
Was Service Interrupted:	Yes
Was Property Damaged:	No
Operation Type Involved:	Private Dwelling
Enforcement Policy:	NULL
Prc Escalation Required:	NULL
Task No:	2437111
Notes:	
Occurence Narrative:	vapour release and fire
Tank Material Type:	
Tank Storage Type:	
Tank Location Type:	
Pump Flow Rate Capac:	
Liquid Prop Notes:	

Unplottable Summary

Total: 17 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	NEPEAN CITY, PUBLIC WORKS DEPARTMENT	ARNOLD DR., SUBDRAIN SEWERS	NEPEAN CITY ON	
CA	Jamiatul Muslemeen of Ottawa-Carleton	Seyton Drive	Ottawa ON	
CA	R.M. OF OTTAWA-CARLETON-PT.LOTS 8-10/C-4	MOODIE DR./LANDFILL S.W.M.POND	NEPEAN CITY ON	
CA	THOMAS C.ASSALY CORP. PHASE VI	WESTCLIFFE ESTATES SEYTON DR.	NEPEAN CITY ON	
CA	Alottawata Inc.	Moodie Drive	Ottawa ON	
FST	ALVIN DELL WELDING LTD	MOODIE DR S	NEPEAN ON	K2H 7V2
FSTH	ALVIN DELL WELDING LTD	MOODIE DR S	NEPEAN ON	
FSTH	ALVIN DELL WELDING LTD	MOODIE DR S	NEPEAN ON	
GEN	R.W. TOMLINSON LTD.	MOODIE DRIVE QUARRY, NEPEAN C/O 5597 POWER RD., RR#6	GLOUCESTER ON	K1G 3N4
GEN	SET CONSTRUCTION LIMITED 34-517	R.R. #7 MOODIE DRIVE	NEPEAN ON	K2H 7V2
GEN	SET CONSTRUCTION LIMITED	R.R. #7 MOODIE DRIVE	NEPEAN ON	K2H 7V2
PRT	ALVIN DELL WELDING LTD	MOODIE DR S	NEPEAN ON	K2H 9R4
PRT	BELL CANADA	MOODIE DR	BELLS CORNERS ON	
PTTW	R.W. Tomlinson Limited	Moodie Drive Quarry Ottawa Ontario CITY OF OTTAWA	ON	
SPL		Moodie Drive	Ottawa ON	
SPL	SET CONSTRUCTION LTD.	RR #1 MOODIE DR. NEPEAN	NEPEAN CITY ON	
WWIS			OTTAWA ON	

Unplottable Report

Site: ***NEPEAN CITY, PUBLIC WORKS DEPARTMENT***
ARNOLD DR., SUBDRAIN SEWERS NEPEAN CITY ON

Database: ***CA***

Certificate #:	3-0751-99-
Application Year:	99
Issue Date:	8/13/1999
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***Jamiatul Muslemeen of Ottawa-Carleton***
Seyton Drive Ottawa ON

Database: ***CA***

Certificate #:	2370-6MNLND
Application Year:	2006
Issue Date:	3/9/2006
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: ***R.M. OF OTTAWA-CARLETON-PT.LOTS 8-10/C-4***
MOODIE DR./LANDFILL S.W.M.POND NEPEAN CITY ON

Database: ***CA***

Certificate #:	3-0989-92-
Application Year:	92
Issue Date:	9/18/1992
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***THOMAS C.ASSALY CORP.PHASE VI***
WESTCLIFFE ESTATES SEYTON DR. NEPEAN CITY ON

Database: ***CA***

Certificate #:	3-0708-88-
Application Year:	88

Issue Date:	6/6/1988
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***Alottawata Inc.***
Moodie Drive Ottawa ON

Database: ***CA***

Certificate #:	9406-7GKKDQ
Application Year:	2008
Issue Date:	8/18/2008
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: ***ALVIN DELL WELDING LTD***
MOODIE DR S NEPEAN ON K2H 7V2

Database: ***FST***

Instance No:	10870197
Cont Name:	
Instance Type:	FS Liquid Fuel Tank
Fuel Type:	Gasoline
Status:	Active
Capacity:	4546
Tank Material:	Steel
Corrosion Protection:	Impressed Current
Tank Type:	Single Wall UST
Install Year:	1986
Parent Facility Type:	Fuels Safety Private Fuel Outlet - Self Serve
Facility Type:	FS Liquid Fuel Tank

Site: ***ALVIN DELL WELDING LTD***
MOODIE DR S NEPEAN ON

Database: ***FSTH***

License Issue Date:	6/4/1990
Tank Status:	Licensed
Tank Status As Of:	December 2008
Operation Type:	Private Fuel Outlet
Facility Type:	Gasoline Station - Self Serve

--Details--

Status:	Active
Year of Installation:	1986
Corrosion Protection:	
Capacity:	4546
Tank Fuel Type:	Liquid Fuel Single Wall UST - Gasoline

Site: ***ALVIN DELL WELDING LTD***

Database: ***FSTH***

MOODIE DR S NEPEAN ON

License Issue Date:	6/4/1990
Tank Status:	Licensed
Tank Status As Of:	August 2007
Operation Type:	Private Fuel Outlet
Facility Type:	Gasoline Station - Self Serve

--Details--

Status:	Active
Year of Installation:	1986
Corrosion Protection:	
Capacity:	4546
Tank Fuel Type:	Liquid Fuel Single Wall UST - Gasoline

Site: ***R.W. TOMLINSON LTD.***
MOODIE DRIVE QUARRY, NEPEAN C/O 5597 POWER RD., RR#6 GLOUCESTER ON K1G 3N4

Database: ***GEN***

Generator No:	ON0027601	***PO Box No:***	
Status:		***Country:***	
Approval Years:	89,90	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:	4589		
SIC Description:	OTHER TRANS. IND.		

Detail(s)

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

Site: ***SET CONSTRUCTION LIMITED 34-517***
R.R. #7 MOODIE DRIVE NEPEAN ON K2H 7V2

Database: ***GEN***

Generator No:	ON1123200	***PO Box No:***	
Status:		***Country:***	
Approval Years:	92,93,94,95,96,97,98	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:	4122		
SIC Description:	WATERWORKS & SEWAGE		

Detail(s)

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

Site: ***SET CONSTRUCTION LIMITED***
R.R. #7 MOODIE DRIVE NEPEAN ON K2H 7V2

Database: ***GEN***

Generator No:	ON1123200	***PO Box No:***	
Status:		***Country:***	
Approval Years:	88,89	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:	0000		
SIC Description:	*** NOT DEFINED ***		

Detail(s)

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

Site: ***ALVIN DELL WELDING LTD***
MOODIE DR S NEPEAN ON K2H 9R4

Database: ***PRT***

Location ID:	9633
Type:	private
Expiry Date:	
Capacity (L):	4546.00
Licence #:	0001022038

Site: ***BELL CANADA***
MOODIE DR BELLS CORNERS ON

Database: ***PRT***

Location ID:	19106
Type:	retail
Expiry Date:	1993-01-31
Capacity (L):	2000
Licence #:	0076352152

Site: ***R.W. Tomlinson Limited***
Moodie Drive Quarry Ottawa Ontario CITY OF OTTAWA ON

Database: ***PTTW***

EBR Registry No:	IA05E1834	***Decision Posted:***	
Ministry Ref No:	7167-6JMTPF	***Exception Posted:***	
Notice Type:	Instrument Decision	***Section:***	
Notice Stage:		***Act 1:***	
Notice Date:	February 15, 2006	***Act 2:***	
Proposal Date:	December 01, 2005	***Site Location Map:***	
Year:	2005		
Instrument Type:	(OWRA s. 34) - Permit to Take Water		
Off Instrument Name:			
Posted By:			
Company Name:	R.W. Tomlinson Limited		
Site Address:			
Location Other:			
Proponent Name:			
Proponent Address:	5597 Power Road, RR #6, Ottawa Ontario, K1G 3N4		
Comment Period:			
URL:			

Site Location Details:

Moodie Drive Quarry Ottawa Ontario CITY OF OTTAWA

Site:
Moodie Drive Ottawa ON

Database: ***SPL***

Ref No:	1800-BDANWQ	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	6/19/2019	***Health/Env Conseq:***	0 - No Impact
Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	Moodie Drive
Contaminant Limit 1:		***Site District Office:***	Ottawa
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	Eastern
Environment Impact:		***Site Municipality:***	Ottawa
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	No	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	6/19/2019	***Site Map Datum:***	

Dt Document Closed:		***SAC Action Class:***	
Incident Reason:		***Source Type:***	
Site Name:	Moodie Drive<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Blasting Shook House		
Contaminant Qty:			

Site: ***SET CONSTRUCTION LTD.***
RR #1 MOODIE DR. NEPEAN NEPEAN CITY ON

Database: ***SPL***

Ref No:	16524	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	3/30/1989	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	UNKNOWN	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:		***Site Municipality:***	20104
Nature of Impact:		***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	3/30/1989	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	UNKNOWN	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	SET CONSTRUCTION- OIL SPILLED TO GROUND.		
Contaminant Qty:			

Site:
OTTAWA ON

Database: ***WWIS***

Well ID:	1536346	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:		***Date Received:***	5/9/2006
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:		***Abandonment Rec:***	
Water Type:		***Contractor:***	6894
Casing Material:		***Form Version:***	3
Audit No:	Z33673	***Owner:***	
Tag:		***Street Name:***	MOODIE DRIVE
Construction Method:		***County:***	RUSSELL
Elevation (m):		***Municipality:***	RUSSELL TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	11550412	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	

Code OB: _
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 1/25/2006
Remarks:
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

Annular Space/Abandonment Sealing Record

Plug ID: 933296944
Layer: 1
Plug From: 0
Plug To: 12.19
Plug Depth UOM: m

Pipe Information

Pipe ID: 11560019
Casing No: 1
Comment:
Alt Name:

Hole Diameter

Hole ID: 11681114
Diameter: 0.24
Depth From: 0
Depth To: 15.24
Hole Depth UOM: m
Hole Diameter UOM: cm

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ***Note:*** *Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.*

Abandoned Aggregate Inventory: Provincial AAGR

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Sep 2019

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-Oct 2018

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-Jan 31, 2020

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.
Environment and Climate Change Canada cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Jan 2004-Dec 2017

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.
The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

Chemical Register: 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

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 - Jun 2020

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-Dec 2019

Certificates of Property Use: Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

Government Publication Date: 1994-Jun 30, 2020

Drill Hole Database: Provincial DRL

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Sep 2019

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, 2020

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, 2020

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, 2020

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-Apr 30, 2020

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: Dec 31, 2016

Environmental Penalty Annual Report: Provincial EPAR

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2019

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.
The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

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-Apr 2020

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: May 31, 2018

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.
The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Apr 30, 2020

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2017

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.
The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario: Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as 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 will include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Feb 28, 2019

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-Jan 2020

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

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

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

Government Publication Date: Dec 31, 2018

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-Apr 2018

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-Mar 31, 2020

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 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.

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-May 31, 2020

Ontario Oil and Gas Wells: Provincial OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Jun 2019

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 all 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, 2020

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, 2020

Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.
The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

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 all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994-Jun 30, 2020

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: 1986-2016

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).

Government Publication Date: 1997-Sept 2001, Oct 2004-May 2020

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-Jan 31, 2020

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 the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.
The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: 1988-Nov 2019

Wastewater Discharger Registration Database: Provincial SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all 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. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-Dec 31, 2017

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-Aug 2018

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.
The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Feb 28, 2017

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, 2020

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: Feb 28, 2019

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 E: Aerial Photographs

LEGEND

PHASE ONE STUDY AREA

PROPERTY BOUNDARY

0 40m 80m 160m

HORIZONTAL 1:4,000

EXP Services Inc. **www.exp.com**

t: +1.613.688.1899 | f: +1.613.225.7337
2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6, Canada

DATE: AUGUST 2020	CLIENT: JAMI OMAR MOSQUE	project no.: OTT-00260904-A0
DESIGN: L.W. / CHECKED: P.S.		scale: 1:4,000
DRAWN BY: M.P.	TITLE: 2017 AERIAL PHOTOGRAPH 3990 OLD RICHMOND ROAD, OTTAWA, ON	FIG E-1

Filename: E:\OTT\OTT-00260904-A0\60 Execution\65 Drawings\3990 Old Richmond Road - Fig 1-3.dwg
Last Saved: Aug 10, 2020 4:05 PM Last Plotted: Aug 10, 2020 4:15 PM Plotted by: ParkerM

LEGEND

PHASE ONE STUDY AREA

PROPERTY BOUNDARY

0 10m 20m 50m

HORIZONTAL 1:1250

EXP Services Inc. **www.exp.com**

t: +1.613.688.1899 | f: +1.613.225.7337
2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6, Canada

DATE: AUGUST 2020	CLIENT: JAMI OMAR MOSQUE	project no. OTT-00260904-A0
DESIGN: L.W. / CHECKED: P.S.		scale 1:1,250
DRAWN BY: M.P.	TITLE: 2011 AERIAL PHOTOGRAPH 3990 OLD RICHMOND ROAD, OTTAWA, ON	FIG E-2

LEGEND

PHASE ONE STUDY AREA

PROPERTY BOUNDARY

0 40m 80m 160m

HORIZONTAL 1:4,000

EXP Services Inc. **www.exp.com**

t: +1.613.688.1899 | f: +1.613.225.7337
2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6, Canada

DATE: AUGUST 2020	CLIENT: JAMI OMAR MOSQUE	project no. OTT-00260904-A0
DESIGN: L.W. / CHECKED: P.S.		scale 1:4,000
DRAWN BY: M.P.	TITLE: 2007 AERIAL PHOTGRAPH, 3990 OLD RICHMOND ROAD, OTTAWA, ON	FIG E-3

Filename: E:\OTT\OTT-00260904-A0\60 Execution\65 Drawings\3990 Old Richmond Road – Fig 1–3.dwg
Last Saved: Aug 10, 2020 4:05 PM Last Plotted: Aug 10, 2020 4:16 PM Plotted by: ParkerM

LEGEND

PHASE ONE STUDY AREA

PROPERTY BOUNDARY

0 40m 80m 160m

HORIZONTAL 1:4,000

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2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6, Canada

DATE: AUGUST 2020	CLIENT: JAMI OMAR MOSQUE	project no. OTT-00260904-A0
DESIGN: L.W. / CHECKED: P.S.		scale 1:4,000
DRAWN BY: M.P.	TITLE: 2002 AERIAL PHOTOGRAPH 3990 OLD RICHMOND ROAD, OTTAWA, ON	FIG E-4

Filename: E:\OTT\OTT-00260904-A0\60 Execution\65 Drawings\3990 Old Richmond Road – Fig 1–3.dwg
Last Saved: Aug 10, 2020 4:05 PM Last Plotted: Aug 10, 2020 4:17 PM Plotted by: ParkerM

LEGEND

PHASE ONE STUDY AREA

PROPERTY BOUNDARY

0 40m 80m 160m

HORIZONTAL 1:4,000

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2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6, Canada

DATE: AUGUST 2020	CLIENT: JAMI OMAR MOSQUE	project no. OTT-00260904-A0
DESIGN: L.W. / CHECKED: P.S.		scale 1:4,000
DRAWN BY: M.P.	TITLE: 1991 AERIAL PHOTOGRAPH 3990 OLD RICHMOND ROAD, OTTAWA, ON	FIG E-5

Filename: E:\OTT\OTT-00260904-A0\60 Execution\65 Drawings\3990 Old Richmond Road – Fig 1–3.dwg
Last Saved: Aug 10, 2020 4:05 PM Last Plotted: Aug 10, 2020 4:18 PM Plotted by: ParkerM

LEGEND

PHASE ONE STUDY AREA

PROPERTY BOUNDARY

0 40m 80m 160m

HORIZONTAL 1:4,000

EXP Services Inc. **www.exp.com**

t: +1.613.688.1899 | f: +1.613.225.7337
2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6, Canada

DATE: AUGUST 2020	CLIENT: JAMI OMAR MOSQUE	project no. OTT-00260904-A0
DESIGN: L.W. / CHECKED: P.S.		scale 1:4,000
DRAWN BY: M.P.	TITLE: 1976 AERIAL PHOTOGRAPH 3990 OLD RICHMOND ROAD, OTTAWA, ON	FIG E-6

Filename: E:\OTT\OTT-00260904-A0\60 Execution\65 Drawings\3990 Old Richmond Road – Fig 1–3.dwg
Last Saved: Aug 10, 2020 4:05 PM Last Plotted: Aug 10, 2020 4:19 PM Plotted by: ParkerM

LEGEND

PHASE ONE STUDY AREA

PROPERTY BOUNDARY

0 40m 80m 160m

HORIZONTAL 1:4,000

EXP Services Inc. **www.exp.com**

t: +1.613.688.1899 | f: +1.613.225.7337
2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6, Canada

DATE: AUGUST 2020	CLIENT: JAMI OMAR MOSQUE	project no. OTT-00260904-A0
DESIGN: L.W. / CHECKED: P.S.		scale 1:4,000
DRAWN BY: M.P.	TITLE: 1965 AERIAL PHOTOGRAPH 3990 OLD RICHMOND ROAD, OTTAWA, ON	FIG E-7

Appendix F: Site Photographs

Photograph No. 1

View of the mosque at 3990 Old Richmond Road from the southwest corner of the property.

Photograph No. 2

View of the transformer at 3990 Old Richmond Road looking north.

Photograph No. 3

View of retaining wall along east property line of 3990 Old Richmond Road looking south.

Photograph No. 4

View of dry type transformer located in the basement mechanical room of the mosque.

Photograph No. 5

View of the vacant property at 4016 Old Richmond Road, looking west.

Photograph No. 6

View of the parking lot on the west part of 572 Moodie Drive, looking north.

Photograph No. 7

View of the vacant building on the east part of 752 Moodie Drive, looking east.

Photograph No. 8

View of the front of the vacant building from Moodie Drive, looking northwest.

Photograph No. 9

View of the side yard air conditioning unit located on the east side of the building.

Photograph No. 10

View of the natural gas fired furnace located in the basement mechanical room.

Photograph No. 11

View of the hot water tank located in the basement mechanical room.

Photograph No. 12

View of standing water and water damage near the basemen entrance.

Photograph No. 13

View of vacant lot north adjacent to 3990 Old Richmond Road.

Photograph No. 14

View of the residential properties located southeast of the Phase One property.