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## Phase I-Environmental Site Assessment

3430 Carling Avenue  
Ottawa, Ontario

Prepared For

3430 Carling Property Inc.

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## **EXECUTIVE SUMMARY**

### **Assessment**

Paterson Group was retained by Mr. Ralph Esposito, Jr. with 3430 Carling Properties Inc., to conduct a Phase I-Environmental Site Assessment (ESA) for the property addressed 3430 Carling Avenue, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and 250m study area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical research, the Phase I Property was vacant land possibly used for agricultural purposes, until developed with a motel in 1953. The motel reportedly operated until the late 1960's after which time the subject land remained vacant until purchased by Mr. Di Franco, the current property owner, in 1983. At this time, the property was redeveloped with the original portion of the current restaurant building, and associated parking lot. Circa 1985, a second building was developed on the western portion of the Phase I Property and was operated as a pub. This building was demolished in the early 2000's, in conjunction with building additions made to the original structure. No potential environmental concerns were identified with regards to the historical use of the Phase I Property.

Historical land use in the surrounding area was used primarily for residential purposes with two commercial properties: a retail fuel outlet at 4320 Carling Avenue and a reported dry cleaner at 2 Ullswater Drive. The retail fuel outlet (RFO) on the adjacent property to the east (3420 Carling Avenue) was present from the 1970's through 2011 when the original retail fuel outlet was decommissioned, and the property was redeveloped with a new RFO and kiosk. The pump island and tank nest associated with the original RFO were situated approximately 60m east of the Phase I Property, while the ancillary equipment associated with the newer RFO are situated 70 to 85m east of the Phase I Property.

Given the separation distances, the cross-gradient orientation of the Phase I Property with respect to the RFO property, the low permeability of the underlying native silty clay soils in combination with information in our files, the historical and existing RFOs at 3420 Carling Avenue are not considered to represent an area of potential environmental concern (APEC) on the Phase I Property.

The reported dry cleaners at 2 Ullswater Avenue is situated approximately 180m west of the Phase I Property and is not considered to represent an APEC on the subject land based on the separation distance and cross-gradient orientation with respect to the Phase I Property.

Following the historical research, a site visit was conducted. The Phase I Property is largely vacant, asphaltic paved parking with a commercial building (restaurant) situated on the east side of the site. At the time of the site visit, the paved areas were covered with ice; the property owner indicated that snow is removed from the property by a contractor, however salt is generally not used on the Phase I Property. Minimal amounts may be used during the event of an ice storm, for safety purposes, however sand is typically used for this purpose. No potential environmental concerns were noted with the current use of the Phase I Property.

Surrounding land use consists of primarily residential with commercial properties at 3420 Carling Avenue (retail fuel outlet) and 2 Ullswater Drive (Crystal Beach Plaza: retail and offices). As previously discussed, the presence of the RFO is a PCA that does not represent an APEC on the Phase I Property based on the separation distance and cross-gradient orientation with respect to the subject land and the presence of low permeability soils in the immediate area of the Phase I Property in combination with information in our files.

Based on the results of the assessment, **it is our opinion, that a Phase II Environmental Site Assessment is not required for the Phase I Property** and that a Record of Site Condition can be filed based on the findings of the Phase I ESA, to support the change in land use from commercial to residential.

## **Recommendations**

It is our understanding that the subject structure will be demolished in conjunction with future redevelopment. Prior to any demolition activities, a designated substance survey (DSS) must be conducted for the existing structure, in accordance with Ontario Regulation 490/09 under the Occupational Health and Safety Act.

## 1.0 INTRODUCTION

At the request of 10731854 Canada Inc., Paterson Group (Paterson) conducted a Phase I-Environmental Site Assessment (Phase I-ESA) for the property addressed 3430 Carling Avenue, in the City of Ottawa, Ontario, herein referred to as the Phase I Property. The purpose of this Phase I-ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject land.

Paterson was engaged to conduct this Phase I-ESA by Mr. Ralph Esposito, Jr. with 3430 Carling Properties Inc., the offices of which are located at 555 Legget Drive, Suite 304, Tower A, Kanata, Ontario. Mr. Esposito can be reached by telephone at 514-294-4355.

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

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

## 2.0 PHASE I PROPERTY INFORMATION

Address:	3430 Carling Avenue Ottawa, Ontario
Legal Description:	Part of Lot 12 of Registered Plan 5R6707, Parts 7 through 16, Concession 1, in the City of Ottawa, Ontario
Property Identification Number:	04707-0090
Location:	The site is located on the south side of Carling Avenue, approximately 160 m east of Ullswater Drive, in the City of Ottawa, Ontario. Refer to Figure 1 - Key Plan in the Figures section following the text.
Latitude and Longitude:	45° 21' 7.48" N, 75° 50' 12.71" W
<b>Site Description:</b>	
Configuration:	Irregular
Site Area:	3,945 m <sup>2</sup> (approximately)
Zoning:	GM – General Mixed-Use Zone
Current Use:	The subject site is occupied a restaurant/bar (Villa Lucia) with associated parking.
Services:	The site is located in a municipally serviced area.

### **3.0 SCOPE OF INVESTIGATION**

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

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

## **4.0 RECORDS REVIEW**

### **4.1 General**

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

A radius of approximately 250 m was determined to be appropriate as a Phase I study area for this assignment. Properties outside the 250 m radius are not considered to have impacted the subject land, based on their significant distance from the site.

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

Based on a review of aerial photographs, the Phase I Property was vacant, undeveloped land in 1951, and subsequently developed with an apparent commercial building in 1958. A well record identified for the Phase I Property indicates that a potable well was installed in 1953 to supply an on-site motel. For the purposes of this report, the Phase I Property is therefore considered to have been first developed in 1953 for commercial purposes.

#### **National Archives**

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

City directories were reviewed for the Phase I Property and surrounding properties within the 250m study area, from 1988/89 to 2011. It should be noted that the Ottawa Directories were not available for the Phase I Study Area prior to 1988/89.

According to the city directories, the Phase I Property was listed as Villa Lucia, the existing establishment, from 1988 to 2011. Neighbouring properties within the 250m study area were primarily residential dwellings. Commercial retail fuel outlets (RFOs) were listed at 3420 Carling Avenue, the adjacent property to the east, from the 1980s to 2011.

Based on a review of historical aerial photographs (discussed further below), and information in our files, the former underground storage tanks (USTs) and pump islands associated with the original retail fuel outlet were situated on the northeastern portion of 3420 Carling Avenue, over 65 m east of the Phase I Property. This property was redeveloped with a new retail fuel outlet (RFO) between 2009 and 2011; the pump island and tank nest associated with the newer RFO are situated approximately 70m and 85m east of the Phase I Property.



Given the separation distances, the cross-gradient orientation of the Phase I Property with respect to the RFO property, and low permeability of the underlying native silty clay soils (discussed further below), in combination with information in our files, the historical and existing RFOs at 3420 Carling Avenue are not considered to represent an area of potential environmental concern (APEC) on the Phase I Property.

No other PCAs were identified within the Phase I Study Area based on a review of the City Directories.

### **Chain of Title**

Paterson verified the past and current land title for the Phase I Property with Read Abstracts Limited. The chain of title was reviewed for the Phase I Property, referred to as Part of Lot 12 of Registered Plan 5R6707, Parts 7 through 16, Concession 1, in the City of Ottawa, Ontario.

According to the title search, 3430 Carling Avenue was first registered by Nancy McGuire in 1808. The deed was transferred over the years to various private individuals until 1975, when the property was acquired by Skaff Restaurant Limited, followed by Compari Restaurant Ltd. in 1983. No PCAs were identified on the Phase I Property during the title search review. A copy of the chain of title is provided in Appendix 1.

### **Plan of Survey**

A survey plan of the Phase I Property was not available for review; however, the City of Ottawa electronic mapping website (geoOttawa) shows the Phase I Property in its current configuration.

### **Previous Engineering Reports**

Paterson has been involved in past environmental assessments for nearby residential properties to the east of the Phase I Property. During these assessments, information was reviewed pertaining to 3420 Carling Avenue. Based on the information in our files, in combination with the separation distance of the current and historical ancillary equipment associated with the retail fuel outlet (RFO) in relation to the Phase I Property, the northerly groundwater flow direction and the low permeability of the underlying native silty clay soils, it is our opinion that the property at 3420 Carling Avenue is not considered to have impacted the Phase I Property.

Based on a review of the information in our files, a reported dry cleaner was historically present at 2 Ullswater Drive, approximately 180m west of the Phase I Property. Based on the separation distance and cross-gradient orientation with respect to the subject land, the former reported dry cleaner is not considered to represent an APEC on the Phase I Property.

Based on the findings of a March 2019 Geotechnical Investigation carried out by Paterson, (Report: PG4836-1, dated October 1, 2019), the soil profile on the Phase I Property generally consists of a pavement structure over native silty clay, underlain by silty clay to clayey silt glacial till. The boreholes were terminated at a maximum depth of 10 m BGS. Bedrock was not encountered, however practical refusal to Dynamic Cone Penetration Test was achieved at approximately 10.03m below grade. Three (3) of the boreholes were completed with monitoring well installations as part of the Geotechnical Investigation. Groundwater levels were measured at depths ranging from approximately 4.8 to 5.3m below ground surface.

No visual or olfactory indications of potential contamination were identified during the field program.

## **4.2 Environmental Source Information**

### **Areas of Natural Significance**

A search for areas of natural significance and features within the Phase I Study Area was conducted on the website of the Ontario Ministry of Natural Resources (MNR) on January 21, 2021. The search did not reveal any areas of natural significance within the Phase I Study Area.

### **PCB Inventory**

A search of national PCB waste storage sites was conducted on January 21, 2021. No PCB waste storage sites are located within the Phase I Study Area.

### **Environment Canada**

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on January 21, 2021. Based on the search results, the Phase I Property and other properties within the 250m study area are not listed in the NPRI.

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

A request was submitted to the MECP Freedom of Information (FOI) office for information with respect to certificates of approval, permits to take water, certificates of property use or any other similar MECP issued instruments for the site. The request was made in 2019 as part of a previous historical review of the property.

Based on the FOI response dated October 9, 2019, there are no records that pertain to the Phase I Property. A copy of the FOI response is appended to this report.

### **MECP Submissions**

A request was submitted to the MECP FOI office for information with respect to reports related to environmental conditions for the property. Based on the FOI response, there are no records that pertain to the Phase I Property. A copy of the FOI response is appended to this report.

### **MECP Waste Management Records**

A request was submitted to the MECP FOI office for information with respect to waste management records. Based on the FOI response, there are no records that pertain to the Phase I Property. A copy of the FOI response is appended to this report.

### **MECP Incident Reports**

A request was submitted to the MECP FOI office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspections maintained by the MECP for the site or adjacent properties. Based on the FOI response, there are no records that pertain to the Phase I Property. A copy of the FOI response is appended to this report.

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

The Ontario Ministry of Environment document titled "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed to reference the locations of former plants with respect to the site. No Municipal Coal Gasification Plant Sites are located within the Phase I Study Area.

### **MECP Brownfields Environmental Site Registry**

A search of the MECP Brownfields Environmental Site Registry was conducted as part of this assessment for the site, neighbouring properties and the general area of the site. No Records of Site Condition (RSCs) were filed for the Phase I Property or any other properties within the Phase I Study Area.

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

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

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

The TSSA, Fuels Safety Branch in Toronto was contacted electronically on January 21, 2021, to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. Several records were identified for the property at 3420 Carling Avenue, including records for an active fuel service station, an active cylinder exchange and four active tanks. As previously discussed, the RFO at 3420 Carling Avenue is not considered to represent an APEC on the Phase I Property, based on the separation distance of the USTs and pump island, approximately more than 70 m east of the Phase I Property and cross-gradient orientation. A copy of the TSSA correspondence is included in Appendix 2.

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

The document entitled "Old Landfill Management Strategy, Phase I – Identification of Sites, City of Ottawa", was reviewed. There are no closed landfill sites within the vicinity of the Phase I study area.

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

A request for a search of the City of Ottawa's Historical Land Use Inventory (HLUI2005) database was submitted to the City of Ottawa for the Phase I Property and surrounding lands in 2019. It should be noted that the HLUI2005 database has not been updated since the receiving the initial response letter dated October 2019, and as such, a new HLUI application was not submitted as part of this assessment.

According to the City of Ottawa's HLUI response letter, no activities associated with the Phase I Property were identified. Three (3) activities that are considered PCAs were identified in the Phase I Study Area: Nortel Networks (200 m west of the site); the previously identified coin wash and dry cleaners at 2 Ullswater Drive; and the previously discussed RFO at 3420 Carling Avenue.

As previously discussed in this report, the latter two (2) PCAs are not considered to represent APECs on the Phase I Property.

The former activity (Nortel Networks) is not considered to pose a risk to the Phase I Property, based on the significant separation distance.

No PCAs resulting in APECs on the Phase I Property were identified during the HLUI review. A copy of the HLUI response is provided in Appendix 2.

### **ERIS Report**

An ERIS (Environmental Risk Information Service) Search Report, dated January 26, 2021, was obtained for the Phase I Property and properties within the study area.

Based on the ERIS report, there were no records identified regarding the Phase I Property.

According to the ERIS report, several records from various databases were identified for properties within the Phase I Study Area: Certificates of Approvals (CAs), TSSA related records, Spills and Incident reports and waste generator records. The CAs were associated with municipal sewer and water works on properties more than 200 m from the Phase I Property. Based on the nature of these reports, the CAs are no considered to represent potentially contaminating activities (PCAs). The TSSA related records, spills and incident reports as well as waste generation records were associated with the RFO at 3420 Carling Avenue, adjacent to the east of the Phase I Property. Several expired fuel tanks and active tank records were reviewed as well as an incident record from 2017. According to the incident record, approximately 13-L of gasoline was released as a result of a malfunctioning gas pump. The spill was reportedly cleaned up. As previously discussed, the former USTs and pump island were situated more than 65 m east and cross-gradient from the Phase I Property and as such, the records identified in the ERIS report are not considered to pose any risk to the Phase I Property.

No PCAs resulting in APECs on the Phase I Property were identified during the review of the ERIS report. A copy of the ERIS report is included in Appendix 2.

## 4.3 Physical Setting Sources

### Aerial Photographs

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

- 1951      The Phase I Property is vacant, undeveloped land, potentially used for agricultural purposes. Carling Avenue and a residential dwelling are present to the north of the Phase I Property. Otherwise, the adjacent and neighbouring properties are vacant, undeveloped lands with occasional residential dwellings further north and east of the Phase I Property.
- 1958      The Phase I Property appears to have been developed for commercial purposes. A building occupies the southwestern portion of the site, with several smaller structures apparent on the central portion of the site, north of the aforementioned building. Additional residential development has occurred further east of the Phase I Property, along both sides of Carling Avenue. The adjacent and neighbouring properties otherwise remain unchanged from the previous photograph.
- 1965      The Phase I Property appears to remain unchanged from the previous photography. A residential subdivision has been developed to the south of the Phase I Property. The adjacent property to the east appears to have been developed with a commercial building. The adjacent land to the west remains vacant. Additional residential development has occurred further northeast of the Phase I Property across Carling Avenue.
- 1976      No significant changes appear to have been made to the Phase I Property. Additional commercial development appears to have occurred on the adjacent property to the east; the most recent development appears to be a retail fuel outlet. The adjacent land to the west has been developed for residential purposes. No other significant changes appear to have been made to the adjacent and neighbouring properties.
- 1983      The Phase I Property appears to have be redeveloped with a commercial building situated on the southeast portion of the site.

The remainder of the subject land appears to be paved. No changes appear to have been made to adjacent and neighbouring properties, however it should be noted that the aerial photograph is of poor quality.

1991      The Phase I Property has been developed with a second building, situated on the northwest portion of the site. No other changes appear to have been made to the Phase I Property. Surrounding properties appear to remain unchanged from the previous photograph.

2005      An addition appears to have been made to the original building situated on the southeast portion of the Phase I Property, while the building on the northwest portion of the site (noted in the previous aerial) is no longer present.

The adjacent property to the east has been redeveloped with a new retail fuel outlet and kiosk. Otherwise, no apparent changes have been made to the adjacent and neighbouring properties.

2017      The Phase I Property remains unchanged from the previous photograph and appears as it currently exists. No significant changes appear to have been made to the adjacent and neighbouring properties with the exception of an apparent residential property under development to the north, across Carling Avenue.

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

### **Topographic Maps**

Topographic maps were obtained from Natural Resources Canada – The Atlas of Canada website and from the City of Ottawa website. The topographic maps indicate that the regional topography in the general area of the Phase I Property slopes downwards in a northerly direction towards the Ottawa River. The Ottawa River is located approximately 165 m to the north of the Phase I Property. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

## **Physiographic Maps**

The Ontario Geological Survey publication ‘The Physiography of Southern Ontario, Third Edition’ was reviewed as a part of this assessment. According to the publication, the site is situated within the Ottawa Clay Plain physiographic region.

## **Geological Maps**

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Bedrock in the area of the Phase I Property is reported to consist of dolomite of the Oxford Formation. Based on the mapping, overburden on the Phase I Property consists of offshore marine sediments of erosional terraces with a drift thickness ranging from 10 to 15.

## **Water Bodies and Areas of Natural Significance**

No water bodies or areas of natural significance are known to exist on the Phase I Property. The Ottawa River is located approximately 165m north of the Phase I Property, within the Phase I Study Area.

## **Water Well Records**

The MECP online interactive well record mapping system was accessed on January 21, 2021, to conduct a search for all drilled wells within 250 m of the Phase I Property. The search returned a total of forty-six (46) records: eighteen (18) potable wells, twenty-two (22) monitoring wells, and six (6) decommissioned wells.

One potable well record was identified for the Phase I Property. According to the well record, dated 1953, the Phase I Property was occupied by a motel at this time. The site stratigraphy was identified as clay extending to 7.6m below ground surface (m BGS), followed by glacial till extending to 10.7m BGS, underlain by limestone bedrock. The well depth was recorded as approximately 36 m BGS; clear groundwater was identified at 18m BGS. No records of monitoring wells were identified for the Phase I Property.

Eighteen (18) potable well records were identified for properties within the Phase I Study Area. The well records indicated that wells were drilled between 1950 and 1961, to depths extending to a maximum of 50m BGS; the stratigraphy encountered was topsoil underlain by native silty clay, followed by limestone bedrock. Clear groundwater was reportedly intercepted in the bedrock.



Although abandonment records were not identified for the potable wells, these wells are considered to have been decommissioned as the Phase I Property and properties within the Phase I Study Area are currently provided with municipal services. A copy of the well records has been included in Appendix 2.

Three (3) monitoring wells were placed on the Phase I Property as part of the 2019 Geotechnical Investigation. The monitoring wells were installed within the Glacial Till overburden, at depths ranging from approximately 9.0 to 9.4m below grade. Water levels were measured at depths ranging from approximately 4.8 to 5.3m below grade.

Monitoring well records were identified for the RFO at 3420 Carling Avenue, adjacent to the east of the Phase I Property, as well as for the residential properties at 2 Crystal Beach Drive and 1 Ullswater Drive, two properties east and adjacent to the west of the Phase I Property, respectively. As previously discussed, at the RFO property is not considered to represent an APEC on the Phase I Property. Based on information in our files, the residential lands to the west and further to the east are also not considered to represent a concern to the Phase I Property. Copies of the well records are provided in Appendix 2.

## **5.0 INTERVIEWS**

Mr. Giorgio Di Franco, the current property owner was interviewed at the time of an initial site visit conducted on February 26, 2019, and via email on February 27, 2019. According to Mr. Di Franco, the property was a motel in the late 1960's, followed by vacant, undeveloped land, prior to purchase by his family in 1983. The original portion of the existing subject structure was constructed in 1983, with four subsequent building additions. The building has always been heated with natural gas-fired equipment. A smaller commercial building, occupied by a pub, was constructed by Mr. Di Franco's family on the western portion of the site in 1985 and was removed in the early 2000s. This building was also reportedly heated with natural gas-fired equipment. According to Mr. Di Franco, furnace oil was never stored or used on-site.

A large portion of the Phase I Property is occupied by a paved parking lot and therefore, Mr. Di Franco was questioned regarding salting practices. Mr. Di Franco indicated that since his family purchased the property, the parking lot is plowed to remove snow and ice, however salt is not generally used on site.

Mr. Di Franco was unaware of any potential environmental concerns regarding the Phase I Property and surrounding properties.

## **6.0 SITE RECONNAISSANCE**

### **6.1 General Requirements**

Ms. Mandy Witteman from the Environmental Department of Paterson conducted the site visits. Weather conditions were overcast with a temperature of approximately -12°C on January 21, 2021. At the time of the site visit, neighbouring land use within the Phase I Study Area was also assessed.

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

#### **Buildings and Structures**

The original portion of the subject building was constructed in 1983 with a slab-on-grade foundation. Four subsequent building additions were made to the original structure. The exterior of the building is finished in red brick with a sloped roof covered with asphaltic shingles.

#### **Subsurface Structures and Utilities**

The Phase I Property is situated in a municipally serviced area. Underground utility services on the subject land include natural gas, electricity, water and sewer services. The services enter the Phase I Property from Carling Avenue.

No potable wells or private sewage systems were observed on the property at the time of the site visit, nor are any reported to be present. Three monitoring wells placed during the 2019 Geotechnical Investigation were not observed at the time of the current site visit; as noted below, the Phase I Property was covered with ice at the time of the site visit. No other subsurface structures or utilities were observed at the time of the site visit.

#### **Site Features**

The subject building occupies the southeast portion of the Phase I Property. The remainder of the subject land is primarily occupied by a paved parking lot, with some trees along the eastern property line. At the time of the site visit, the entire parking lot was covered in ice. Site drainage typically occurs through sheet flow to catch basins on Carling Avenue.

The site topography is relatively flat and at the grade of Carling Avenue and the adjacent properties. The regional topography slopes downwards in a northly direction towards the Ottawa River.

Site features are presented on Drawing PE5191-1 – Site Plan, provided in the Figures section following the text.

### **Fill Material**

No evidence of fill material was observed at the time of the site visit.

With the exception of granular material associated with the pavement structure, fill was not identified at the borehole locations during the March 219 Geotechnical Investigation conducted by Paterson. The fill material consists of crushed stone larger than 2 millimeters in size and is not considered to be soil as defined by O.Reg.153/04. The engineered fill material is not considered to represent an APEC on the Phase I Property.

### **Interior Assessment**

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

- Floor finishes consist of vinyl tiles, carpet, ceramic tiles and poured concrete (utility rooms);
- Wall finishes consist of gypsum board and ceramic tiles;
- Ceilings are finished with stipple plaster, acoustic ceiling tiles and gypsum board;
- Lighting is provided by incandescent fixtures.

Based on the age of the building, potential asbestos containing materials (ACMs) and lead-based paints (LBPs) are not suspected to be present within the building as these materials were not typically used after 1980.

### **Fuel and Chemical Storage**

The subject building is heated with natural gas-fired equipment. Electrical baseboard heaters are a secondary heating source.

No fuels or chemicals were observed on the interior or exterior of the Phase I Property at the time of the site assessment, with the exception of minor quantities of common household cleaning products that were properly stored within the subject building. No signs of leaks or staining were observed on the interior or exterior of the Phase I Property.

## **Wastewater Discharge**

Wastewater discharged from the Phase I Property includes wash water and sewage. Several floor drains were observed on the interior of the subject structure. The drains appeared to be dry at the time of the site visit. No concerns were noted with regards to wastewater discharge at the Phase I Property.

## **Waste Management**

Non-hazardous domestic waste and recycling is stored in bins on the exterior of the property, south of the subject structure, and collected by Progressive Waste on a regular basis. A grease trap is present within the kitchen; all food grease is collected by a contractor licenced for these works on an as-needed basis.

## **Neighbouring Properties**

An inspection of the neighbouring properties was conducted from publicly accessible roadways at the time of the site inspection. Land use adjacent to the subject site was as follows:

- North - Carling Avenue, followed by Residential;
- South - Residential followed by Elterwater Avenue;
- East - Retail fuel outlet (3420 Carling Avenue) and Residential;
- West - Residential followed by Ullswater Drive.

Land use within the Phase I Study Area is primarily residential, with the exception of the RFO on the adjacent property to the east and a commercial plaza (Crystal Bay Plaza, primarily retail/restaurants) at 2 Ullswater Drive.

As previously discussed, the existing retail fuel outlet at 3420 Carling Avenue is not considered to represent an APEC on the Phase I Property based on the separation distance of the tanks and pump island, as well as the orientation with respect to the subject land, in combination with the low permeability of the underlying clay soils and information contained in our files.

No concerns were identified with the current use of the surrounding lands. Surrounding land use within the Phase I Study Area is presented on Drawing PE5191-2 – Surrounding Land Use Plan.

## 7.0 REVIEW AND EVALUATION OF INFORMATION

### 7.1 Land Use History

The following table indicates the current and past uses of the Phase I Property dating back to the first developed use of the site based on the Chain of Title, Fire Insurance Plans, aerial photographs, City Directories and personal interviews.

<b>Table 1: Land Use History – 3430 Carling Avenue Part of Block C, Plan 420102, and Part of Lot 12, Concession 1, Ottawa Front, Nepean (PIN 04707-0090)</b>				
<b>Time Period</b>	<b>Name of Owner</b>	<b>Property Use</b>	<b>Description of Property Use</b>	<b>Other Observations from Aerial Photos, FIPs, Directories, etc.</b>
<b>Lot 12, Concession 1, Ottawa Front, Nepean</b>				
Prior to 1808	Unknown	Unknown	Unknown	No available observations
1808-1828	Nancy McGuire	Unknown	Unknown	Registered. No available observations
1828	Leonard Stoneburner	Unknown	Unknown	No available observations
1828-1864	John Graham	Unknown	Unknown	No available observations
1864-1899	William Graham	Unknown	Unknown	No available observations
1899-1911	John A. Graham	Unknown	Unknown	No available observations
1911-1925	Andrew F. Hopewell	Unknown	Unknown	No available observations
1925-1932	Edmund Loveday	Unknown	Unknown	No available observations
1932-1952	Andrew F. Hopewell	Motel	Commercial Use	Potable well record registered for the Phase I Property.
1952-1953	John F. and Grace R. Pratt	Motel	Commercial Use	1953 aerial photograph shows the motel on-site.
1953-1956	Harry and Alice Backhouse	Motel	Commercial Use	No available observations
1956-1958	Peter G. Sharpe	Motel	Commercial Use	1958 aerial photograph shows the motel on-site.
1958-1971	Desmond Smithson	Motel	Commercial Use	No available observations
1971--1972	Rita Jolicoeur	Motel	Commercial Use	1968 aerial photograph shows the motel on-site.
1972	Uriel Jolicoeur	Motel	Commercial Use	No available observations
1972-1974	Stanslaw and Lilli Pokrywa	Motel	Commercial Use	No available observations
1974	Skaff Restaurants Ltd.	Motel	Commercial Use	No available observations
1974-1983	Bank of Montreal	Motel	Commercial Use	1976 aerial photograph shows the motel on-site.
1983-Present	Romano Di Franco and Lucia Di Franco (Compari Restaurant Ltd)	Restaurant / dinner club	Commercial Use	1988 city directories listed the property as Villa Lucia.

<b>Table 1: Land Use History – 3430 Carling Avenue Part of Block C, Plan 420102, and Part of Lot 12, Concession 1, Ottawa Front, Nepean (PIN 04707-0090)</b>				
<b>Time Period</b>	<b>Name of Owner</b>	<b>Property Use</b>	<b>Description of Property Use</b>	<b>Other Observations from Aerial Photos, FIPs, Directories, etc.</b>
<b>Plan 420102, Block C</b>				
Prior to 1808	Unknown	Unknown	Unknown	No available observations
1808-1828	Nancy McGuire	Unknown	Unknown	Registered. No available observations
1828	Leonard Stoneburner	Unknown	Unknown	No available observations
1828-1864	John Graham	Unknown	Unknown	No available observations
1864-1899	William Graham	Unknown	Unknown	No available observations
1899-1911	John A. Graham	Unknown	Unknown	No available observations
1911-1925	Andrew F. Hopewell	Unknown	Unknown	No available observations
1925-1932	Edmund Loveday	Unknown	Unknown	No available observations
1932-1956	Andrew F. Hopewell	Motel	Commercial Use	Potable well record registered for the Phase I Property.
1956-1960	Garrett J. O'Neill, in Trust	Motel	Commercial Use	Potable well record registered for the Phase I Property.
1960	Louise C. Asssaly	Motel	Commercial Use	1953 aerial photograph shows the motel on-site.
1960-1961	Minto Construction Co. Ltd.	Motel	Commercial Use	1958 aerial photograph shows the motel on-site.
1961-1975	Skaff Restaurants Ltd.	Motel	Commercial Use	1968 aerial photograph shows the motel on-site.
1975-1981	Clarkson Company Ltd.	Motel	Commercial Use	No available observations
1981-Present	Romano Di Franco and Lucia Di Franco (Compari Restaurant Ltd)	Motel	Commercial Use	1988 city directories listed the property as Villa Lucia.

**Potentially Contaminating Activities and Areas of Potential Environmental Concerns**

No on-site historical or existing PCAs were identified on the Phase I Property.

According to Section 49.1 of O.Reg. 153/04, if an applicable site condition standard is exceeded at a property solely because of the following reason, the applicable site condition standard is deemed not to be exceeded for the purpose of Part XV.1 of the Act:

- The qualified person has determined, based on a phase one environmental site assessment or a phase two environmental site assessment, that a substance has been applied to surfaces for the safety of vehicular or pedestrian traffic under conditions of snow or ice or both.

Based on the findings of the Phase I ESA, minor quantities of road salt were occasionally applied to highly trafficked areas within the parking lot and around the subject building, for the safety of vehicular and pedestrian traffic under conditions of ice. In accordance with Section 49.1 of O.Reg. 153/04, the application of road salt is not considered to be a PCA and therefore does not result in an APEC on the Phase I Property.

Off-site PCAs identified within the Phase I Study area include the following:

- PCA 28 – Gasoline and Associated Products Storage in Fixed Tanks, associated with a historical/existing retail fuel outlet on the adjacent property to the east (3420 Carling Avenue); and
- PCA 37 – Operation of Dry Cleaning Equipment (where chemicals are used), associated with a reported historical dry cleaners at 2 Ullswater Drive (it should be noted that this may have been a drop-off location only).

The historical pump island and tank nest at 3420 Carling Avenue were situated approximately 45m east of the Phase I Property, while the existing pump islands and tank nest are situated approximately 70 and 85m east of the Phase I Property. Based on these separation distances, the cross-gradient orientation of the RFO with respect to the subject land (groundwater flow is to the north towards the Ottawa River), the low-permeability of the underlying silty clay soils in combination with information contained in our files, the historical/existing RFO at 3420 Carling Avenue is not considered to represent an APEC on the Phase I Property.

The reported historical dry cleaners at 2 Ullswater Drive is situated approximately 180m to the west of the Phase I Property. Based on the separation distance and cross-gradient orientation with respect to the subject land, this property is not considered to represent an APEC on the Phase I Property.

No other PCAs were identified within the Phase I Study Area. The aforementioned PCAs which are not considered to represent APECs on the Phase I Property, are identified in green on Drawing PE5191-2 – Surrounding Land Use Plan.

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## **Contaminants of Potential Concern**

There are no APECs on the Phase I Property and as such, there are no contaminants of potential concern (CPCs).

## **7.2 Conceptual Site Model**

### **Geological and Hydrogeological Setting**

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Bedrock in the area of the Phase I Property is reported to consist of dolomite of the Oxford Formation. Based on the mapping, overburden on the Phase I Property consists of offshore marine sediments of erosional terraces with a drift thickness ranging from 10 to 15. Information obtained from the well records and the 2019 Geotechnical Investigation prepared by Paterson confirm this information.

Based on the regional topography (gently slopes to the north) in combination with previous work conducted by Paterson within the Phase I Study Area, the groundwater flow in the vicinity of the Phase I Property is in a northerly direction, towards the Ottawa River.

### **Water Bodies**

There are no water bodies on the Phase I Property. The closest significant body of water is the Ottawa River, situated approximately 165 m north of the Phase I Property at its closest point.

### **Areas of Natural Significance**

There are no areas of natural significance known to exist on the Phase I Property or within the Phase I Study Area.

### **Well Records (Drink Water Wells and Monitoring Wells)**

A search of the MECP website for all drilled well records within the 250 m of the Phase I Property was conducted as part of this assessment. The search returned a total of forty-six (46) records: eighteen (18) potable wells, twenty-two (22) monitoring wells, and six (6) decommissioned wells.

One potable well record was identified for the Phase I Property. According to the well record, dated 1953, the Phase I Property was occupied by a motel at this time. This well is no longer considered to be used as the property is currently serviced with municipal water.



Eighteen (18) records of potable wells were identified for properties within the Phase I Study Area. The well records indicated that wells were drilled between 1950 and 1961.

Although abandonment records were not identified for the potable wells, these wells are considered to have been decommissioned as the properties within the Phase I Study Area are currently serviced by municipal services.

No monitoring well records were identified for the Phase I Property. Monitoring well records were identified for the following properties within the Phase I Study Area:

- 3420 Carling Avenue, RFO adjacent to the east of the Phase I Property;
- 2 Crystal Beach Drive, a residential property approximately 90 m east of the Phase I Property; and
- 1 Ullswater Drive, a residential property adjacent to the west of the Phase I Property.

According to the available information, generalized stratigraphy consists of topsoil or a pavement structure over clay extending to approximately 8 m below ground surface (m BGS), followed by glacial till extending to approximately 10 to 11 m BGS, underlain by limestone bedrock. Groundwater was present in the overburden and bedrock layer. Reported static water levels range from approximately 1.5 to 7.6 m below ground surface, within the overburden. Clear groundwater for potable purposes was reportedly identified at a depth of approximately 18m below ground surface, within the bedrock.

Based on the separation distance of the current and former pump island and tank nest on the adjacent RFO property at 3420 Carling Avenue, in combination with its cross-gradient orientation, the low permeability of the underlying soils and information contained in our files, the former and current RFOs at this property are not considered to result in an APEC on the Phase I Property.

Based information in our files, the monitoring wells at 2 Crystal Beach Drive and 1 Ullswater Drive, were placed to address the above-noted RFO and a former dry cleaner east of 1 Ullswater Drive respectively. These properties, as further discussed below, are not considered to represent APECs on the Phase I Property.

### **Existing Buildings and Structures**

The Phase I Property is occupied by the original portion of the subject building which was constructed in 1983 with a slab-on-grade foundation. Four (4) subsequent building additions were made to the original structure.

The exterior of the building is finished in red brick with a sloped roof covered with asphaltic shingles. The building is currently heated with a natural gas-fired furnace. Electrical baseboard heaters provide a secondary heating source. Based on the review of historical information, personal interviews and observations made at the time of the site visit, no evidence of any other heating source was identified.

The location of the subject building is depicted on Drawing PE5191-1 – Site Plan. There are no other buildings or structures are present on the Phase I Property.

### **Subsurface Structures and Utilities**

The Phase I Property is situated in a municipally serviced area. Underground utility services include natural gas, electricity, water and sewer services, which enter the Phase I Property from Carling Avenue. No other subsurface structures or utilities are present on the Phase I Property. Subsurface utilities were located as part of the 2019 Geotechnical Investigation. Approximate locations of the underground utilities are shown on Drawing PE5191-1 – Site Plan.

With the exception of the building footings and three (3) monitoring wells installed as part of the 2019 Geotechnical Investigation, there are no subsurface structures on the Phase I Property.

In the absence of PCAs, APECs and CPCs, as discussed further below, underground utilities are not considered to have had the potential to affect contaminant distribution and transport at the Phase I Property.

### **Neighbouring Land Use**

Neighbouring land use within the Phase I Study Area historically consisted primarily of residential with some commercial land use.

Current land use within the Phase I Study Area remains primarily residential, with the exception of a commercial retail fuel outlet on the adjacent property to the east and a commercial plaza further to the west of the Phase I Property, across Ullswater Drive. Current land use is depicted on Drawing PE5191-2 – Surrounding Land Use Plan.

Two (2) PCAs were identified within the Phase I Study Area. The PCAs are associated with the above-noted retail fuel outlet property adjacent to the east of the Phase I Property and a former drycleaner further to the west of the Phase I Property. The PCAs are not considered to result in APECs on the Phase I Property as discussed in the following section.

### **Potentially Contaminating Activities (PCAs)**

As per Section 7.1 of this report, no potentially contaminating activities (PCAs) were identified on the Phase I Property or Phase I Study Area that would result in APECs on the Phase I Property. Off-site PCAs, as identified in Drawing PE5191-2 – Surrounding Land Use Plan, are discussed below.

- ❑ PCA 1 – Item 28, Table 2, O.Reg. 153/04: “Gasoline and Associated Products Storage in Fixed Tanks” – this PCA was identified base on the presence of the historical/existing retail fuel outlet on the adjacent property to the east (3420 Carling Avenue). Based on the separation distance of the former RFO tank nest and pump island of over 60m from the Phase I Property, the separation distance of the current tank nest and pump island of approximately 75m from the Phase I Property, in combination with the cross-gradient orientation relative the Phase I Property, the low-permeability of the underlying soils and information contained in our files pertaining to the RFO property, this PCA is not considered to represent an APEC on the Phase I Property.
  
- ❑ PCA 2 – Item 37, Table 2, O.Reg. 153/04: “Operation of Dry Cleaning Equipment (where chemicals are used)” – this PCA was identified based on the historical presence of a dry cleaners at 2 Ullswater Drive (it should be noted that this may have been a drop-off location only). Based on the separation distance of over 200 m and its cross-gradient orientation relative to the Phase I Property, this PCA is not considered to represent an APEC on the Phase I Property.

No other PCAs were identified within the Phase I Study Area.

### **Areas of Potential Environmental Concern (APECs)**

As discussed above, no PCAs were identified on the Phase I Property and PCAs identified within the Phase I Study Area are not considered to represent APECs on the Phase I Property.

### **Contaminants of Potential Concern (CPCs)**

Based on these findings of the Phase I ESA, there are no APECs on the Phase I Property. As such, there are no contaminants of potential concern on the Phase I Property.

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

There were no material deviations to the Phase I ESA requirements set out in O.Reg. 153/04 that would cause uncertainty or absence of information that would affect the validity of the findings of the Phase I ESA or this Phase I CSM. It is the opinion of the Qualified Person (QP<sub>ESA</sub>) that based on the information obtained and reviewed as part of this Phase I ESA, no PCAs or APECs were identified on the Phase I Property.

## **8.0 CONCLUSIONS**

### **8.1 Assessment**

Paterson Group was retained by Mr. Ralph Esposito, Jr. with 3430 Carling Properties Inc., to conduct a Phase I-Environmental Site Assessment (ESA) for the property addressed 3430 Carling Avenue, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and 250m study area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical research, the Phase I Property was vacant land possibly used for agricultural purposes, until developed with a motel in 1953. The motel reportedly operated until the late 1960's after which time the subject land remained vacant until purchased by Mr. Di Franco, the previous property owner, in 1983. At this time, the property was redeveloped with the original portion of the current restaurant building, and associated parking lot. Circa 1985, a second building was developed on the western portion of the Phase I Property and was operated as a pub. This building was demolished in the early 2000's, in conjunction with building additions made to the original structure. No potential environmental concerns were identified with regards to the historical use of the Phase I Property.

Historical land use in the surrounding area was used primarily for residential purposes with two commercial properties: a retail fuel outlet at 4320 Carling Avenue and a reported dry cleaner at 2 Ullswater Drive. The retail fuel outlet (RFO) on the adjacent property to the east (3420 Carling Avenue) was present from the 1970's through 2011 when the original retail fuel outlet was decommissioned, and the property was redeveloped with a new RFO and kiosk. The pump island and tank nest associated with the original RFO were situated approximately 60m east of the Phase I Property, while the ancillary equipment associated with the newer RFO are situated 70 to 85m east of the Phase I Property.

Given the separation distances, the cross-gradient orientation of the Phase I Property with respect to the RFO property, the low permeability of the underlying native silty clay soils in combination with information in our files, the historical and existing RFOs at 3420 Carling Avenue are not considered to represent an area of potential environmental concern (APEC) on the Phase I Property.

The reported dry cleaners at 2 Ullswater Avenue is situated approximately 180m west of the Phase I Property and is not considered to represent an APEC on the subject land based on the separation distance and cross-gradient orientation with respect to the Phase I Property.

Following the historical research, a site visit was conducted. The Phase I Property is largely vacant, asphaltic paved parking with a commercial building (restaurant) situated on the east side of the site. At the time of the site visit, the paved areas were covered with ice; the property owner indicated that snow is removed from the property by a contractor, however salt is generally not used on the Phase I Property. Minimal amounts may be used during the event of an ice storm, for safety purposes, however sand is typically used for this purpose. No potential environmental concerns were noted with the current use of the Phase I Property.

Surrounding land use consists of primarily residential with commercial properties at 3420 Carling Avenue (retail fuel outlet) and 2 Ullswater Drive (Crystal Beach Plaza: retail and offices). As previously discussed, the presence of the RFO is a PCA that does not represent an APEC on the Phase I Property based on the separation distance and cross-gradient orientation with respect to the subject land and the presence of low permeability soils in the immediate area of the Phase I Property in combination with information in our files.

Based on the results of the assessment, **it is our opinion, that a Phase II Environmental Site Assessment is not required for the Phase I Property** and that a Record of Site Condition can be filed based on the findings of the Phase I ESA, to support the change in land use from commercial to residential.

## 8.2 Recommendations

It is our understanding that the subject structure will be demolished in conjunction with future redevelopment. Prior to any demolition activities, a designated substance survey (DSS) must be conducted for the existing structure, in accordance with Ontario Regulation 490/09 under the Occupational Health and Safety Act.

## 9.0 STATEMENT OF LIMITATIONS

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

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

This report was prepared for the sole use of 3430 Carling Properties Inc. Permission and notification from 3430 Carling Properties Inc. and Paterson will be required to release this report to any other party.

### Paterson Group Inc.



Mandy Witteman, B.Eng., M.A.Sc.



Karyn Munch, P.Eng., QP<sub>ESA</sub>



### Report Distribution:

- 3430 Carling Properties Inc.
- Paterson Group Inc.

## 10.0 REFERENCES

### **Federal Records**

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

### **Provincial Records**

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

### **Municipal Records**

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

### **Local Information Sources**

Personal Interviews.

### **Public Information Sources**

Google Earth.  
Google Maps/Street View.

### **Private Information Sources**

ERIS Search.



# **FIGURES**

**FIGURE 1 – KEY PLAN**

**FIGURE 2 – TOPOGRAPHIC MAP**

**DRAWING PE5191-1– SITE PLAN**

**DRAWING PE5191-2 – SURROUNDING LAND USE PLAN**



FIGURE 1  
KEY PLAN



FIGURE 2  
TOPOGRAPHIC MAP

#3395 CARLING AVENUE  
VACANT

#84 LOCH ISLE ROAD  
RESIDENTIAL

#3383 CARLING AVENUE  
RESIDENTIAL

#3381 CARLING AVENUE  
RESIDENTIAL

#3379 CARLING AVENUE  
RESIDENTIAL

#3375 CARLING AVENUE  
RESIDENTIAL

#2 SUNNY BRAE AVENUE  
RESIDENTIAL

### CARLING AVENUE



 **BH 1**  
99.31

 **BH 3**  
99.17

 **BH 2**  
99.23

 **BH 4**  
99.31

FH - TBM

BURIED  
CABLE

WATER  
LINE

GAS  
SERVICE  
LINE

#1 ULLSWATER AVENUE  
RESIDENTIAL APARTMENT BUILDINGS

ASPHALTIC CONCRETE PARKING LOT

**#3440 CARLING AVENUE  
RESTAURANT (LUCIA VILLA)**

#3420 CARLING AVENUE  
MCEWAN RETAIL FUEL OUTLET

ELTERWATER AVENUE  
RESIDENTIAL DWELLINGS

**LEGEND:**



BOREHOLE LOCATION (PATERSON GROUP  
REPORT, PG4836, 2019)



BOREHOLE WITH MONITORING WELL LOCATION  
(PATERSON GROUP REPORT, PG4836, 2019)

99.17 GROUND SURFACE ELEVATION (m)

TBM- TOP SPINDLE OF FIRE HYDRANT LOCATED ON CARLING  
AVENUE IN FRONT OF SUBJECT SITE. AN ASSUMED  
ELEVATION OF 100.00m WAS ASSIGNED TO THE TBM.

**patersongroup**  
consulting engineers

154 Colonnade Road South  
Ottawa, Ontario K2E 7J5  
Tel: (613) 226-7381 Fax: (613) 226-6344

NO.	REVISIONS	DATE	INITIAL

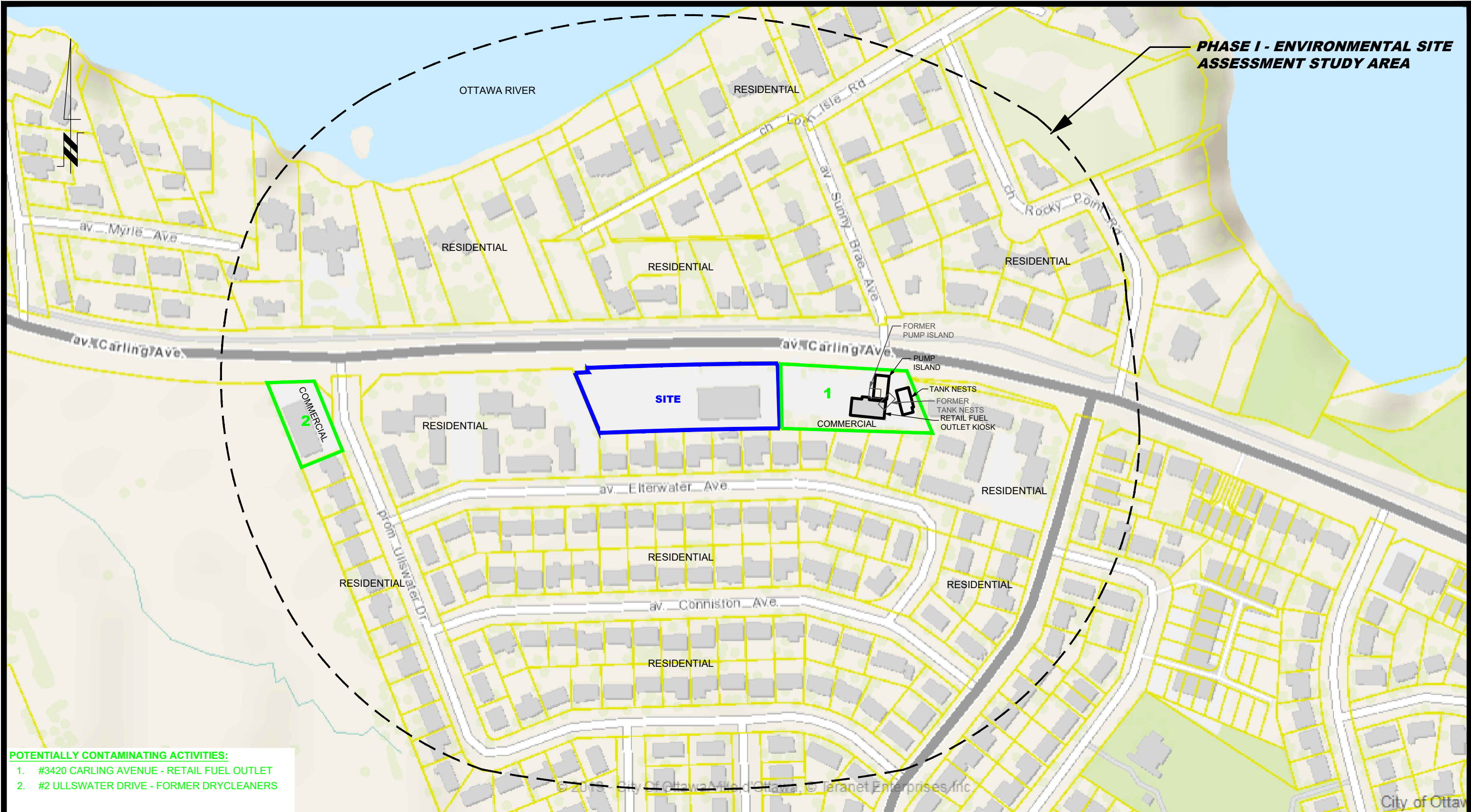
3430 CARLING PROPERTY INC.  
**PHASE I - ENVIRONMENTAL SITE ASSESSMENT UPDATE**  
 3440 CARLING AVENUE

OTTAWA, ONTARIO

Title: **SITE PLAN**

Scale:	1:500	Date:	02/2021
Drawn by:	YA	Report No.:	PE5191-1
Checked by:	MW	Dwg. No.:	<b>PE5191-1</b>
Approved by:	MSD	Revision No.:	

p:\autocad drawings\environmental\pe51\pe51159\pe51159-site plan1.dwg



- POTENTIALLY CONTAMINATING ACTIVITIES:**
1. #3420 CARLING AVENUE - RETAIL FUEL OUTLET
  2. #2 ULLSWATER DRIVE - FORMER DRYCLEANERS

**patersongroup**  
 consulting engineers

154 Colonnade Road South  
 Ottawa, Ontario K2E 7J5  
 Tel: (613) 226-7381 Fax: (613) 226-6344

NO.	REVISIONS	DATE	INITIAL

3430 CARLING PROPERTY INC.  
 PHASE I - ENVIRONMENTAL SITE ASSESSMENT UPDATE  
 3440 CARLING AVENUE  
 OTTAWA, ONTARIO

Title: **SURROUNDING LAND USE PLAN**

Scale:	1:2500	Date:	02/2021
Drawn by:	YA	Report No.:	PE5159-1
Checked by:	MW	Dwg. No.:	<b>PE5159-2</b>
Approved by:	MSD	Revision No.:	

# **APPENDIX 1**

**AERIAL PHOTOGRAPHS**

**SITE PHOTOGRAPHS**

**CHAIN OF TITLE**

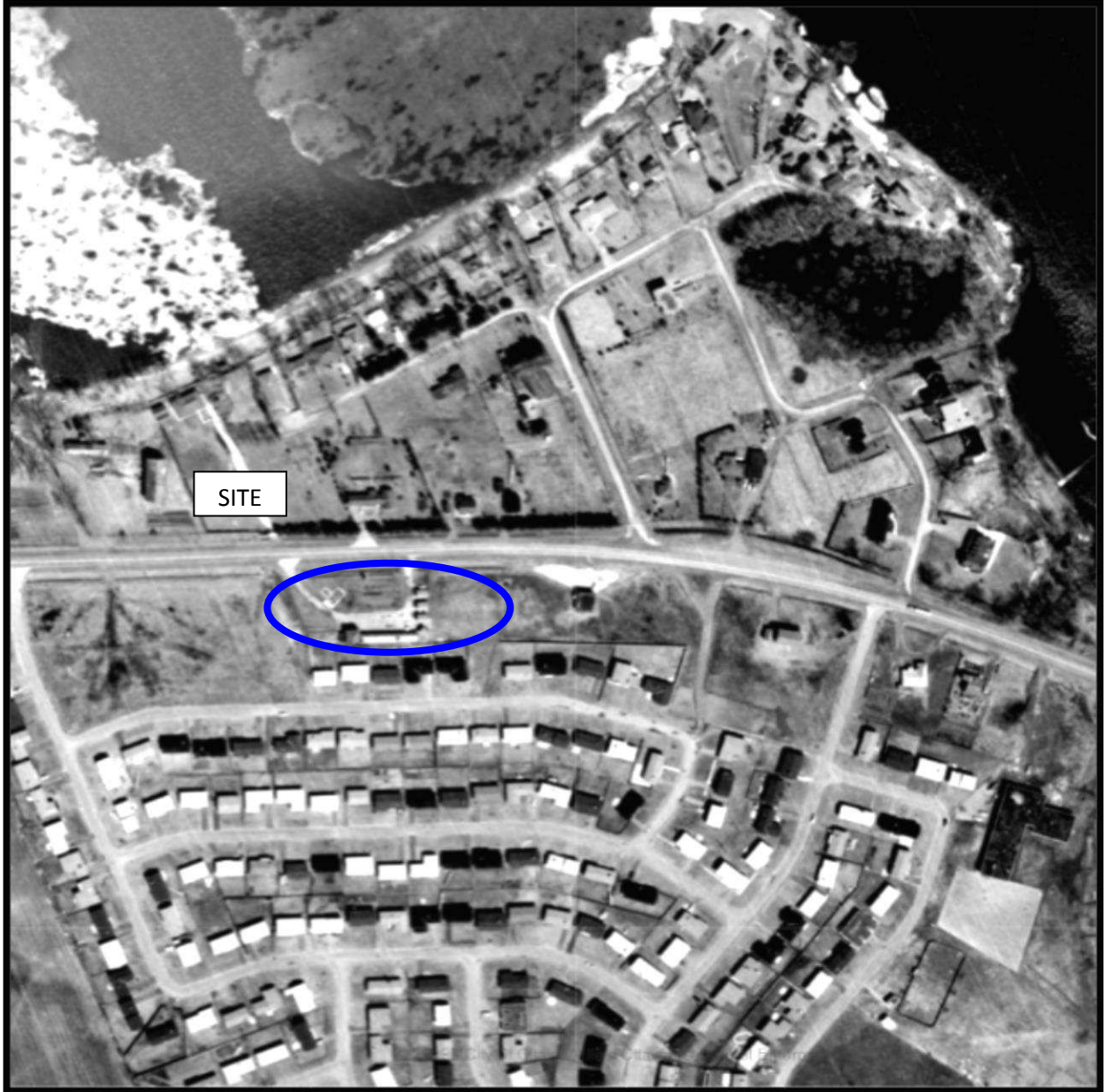


AERIAL PHOTOGRAPH  
1951



AERIAL PHOTOGRAPH  
1958





AERIAL PHOTOGRAPH  
1965



AERIAL PHOTOGRAPH  
1976



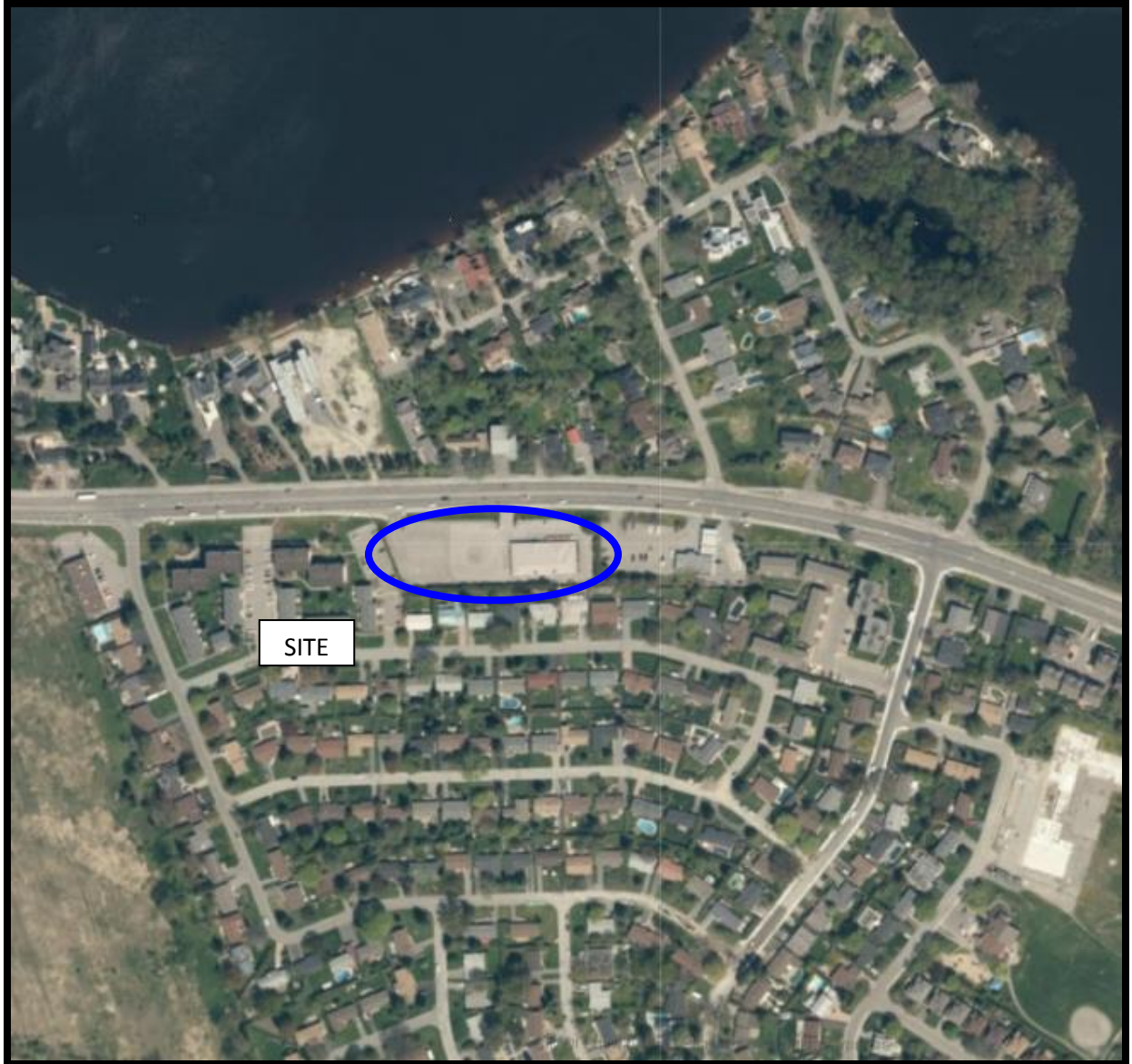
AERIAL PHOTOGRAPH  
1983



AERIAL PHOTOGRAPH  
1991



AERIAL PHOTOGRAPH  
2005



AERIAL PHOTOGRAPH  
2017

## Site Photographs

PE4556

3440 Carling Avenue – Ottawa, ON

September 30, 2019



Photograph 1: View of the Phase I Property, taken from the west side of the site, looking east.



Photograph 2: View of central portion of the Phase I Property, taken from the north side of the site, looking south.

## Site Photographs

PE4556

3440 Carling Avenue – Ottawa, ON

September 30, 2019



Photograph 3: View of the Phase I Property, taken from the east of the site, looking west.





## READ Abstracts Limited

331 Cooper Street, Suite 300, Ottawa, Ontario K2P 0A4

Email: [search@readsearch.com](mailto:search@readsearch.com)

Tel.: 613-236-0664

Fax: 613-236-3677

### ENVIRONMENTAL SEARCH

Patersongroup

Attn: Mandy

#### BRIEF DESCRIPTION OF LAND:

3430 Carling Ave., Ottawa  
Part Block C, Plan 420102, and Part Lot 12, Con 1 OF Nepean

PIN: 04707-0090

LAST REGISTERED OWNER: COMPARI RESTAURANT LIMITED

#### CHAIN OF TITLE:

##### **Lot 12, Con 1 OF Nepean**

Patent dated Jun 3, 1808  
To Nancy McGuire

Deed RO115 registered Jan 15, 1828  
From Daniel and Nancy McGuire to Leonard Stoneburner

Deed RO151 registered Aug 1, 1828  
From Leonard Stoneburner to John Graham

Deed RO24596 registered Dec 6, 1864  
From John Graham to William Graham

Deed NP180085 registered Mar 8, 1899  
From William Graham to John A. Graham

Deed NP24293 registered May 4, 1911  
From John A. Graham to Andrew F. Hopewell

Deed NP28894 registered Sep 29, 1925  
From Andrew F. Hopewell to Edmund Loveday

Deed NP43170 registered May 2, 1932  
From Edmund Loveday to Andrew F. Hopewell

Deed CR305786 registered Nov 10, 1952  
From Andrew F. Hopewell to John F. and Grace R. Pratt

Deed CR312540 registered Jul 6, 1953  
From John F. and Grace R. Pratt to Harry and Alice Backhouse

Deed CR348351 registered Jul 4, 1956  
From Andrew F. Hopewell to Samuel Lepofsky and Garrett J. O'Neill, in trust

Deed CR372143 registered May 21, 1958  
From Harry and Alice Backhouse to Peter G. Sharpe

Deed CR382233 registered Dec 23, 1958  
From peter G. Sharpe to Desmond Smithson

Deed CR408058 registered Jul 8, 1960  
From Garrett J. O'Neill, in trust to Louis C. Assaly, in trust

Deed CR408060 registered Jul 8, 1960  
From Louis C. Assaly, in trust to Minto Construction Co. Limited

Plan 420102 registered Mar 10, 1961  
By Minto Construction Co. Limited  
(see Plan 420102, Block C)

Deed CR602979 registered Dec 8, 1971  
From Desmond Smithson to Rita Jolicoeur

Deed CR607973 registered Mar 28, 1972  
From Rita Jolicoeur to Uriel Jolicoeur

Deed CR621777 registered Nov 13, 1972  
From Uriel Jolicoeur to Stanslaw and Lilli Pokrywa

Deed CR650368 registered Apr 1, 1974  
From Stanslaw and Lilli Pokrywa to Skaff Restaurants Limited

Foreclosure NS112399 registered Mar 20, 1951  
From The Bank of Montreal to Romano DiFranco and Lucia DiFranco  
(re: Skaff Restaurants Limited)

**Plan 420102, Block C**

Deed CR669911 registered May 2, 1975  
From Minot Construction Limited to Skaff Restaurants limited

Deed NS112400 registered Mar 20, 1981  
From The Clarkson Company Limited, trustee in Bankruptcy of Skaff Restaurant Ltd. To  
Romano DiFranco and Lucia DiFranco

**All (Plan 402102, Block C and Part Lot 12 Con 1 OF Nepean)**

Deed NS186529 registered Apr 14, 1983  
From Romano Di Franco and Lucia Di Franco to Compari Restaurant Ltd.

# **APPENDIX 2**

**MECP FREEDOM OF INFORMATION**

**MECP WELL RECORDS**

**CITY OF OTTAWA HLUI SEARCH**

**TSSA CORRESPONDENCE**

**ERIS REPORT**

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

Access and Privacy Office  
12<sup>th</sup> Floor  
40 St. Clair Avenue West  
Toronto ON M4V 1M2  
Tel: (416) 314-4075  
Fax: (416) 314-4285

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

Bureau de l'accès à l'information et  
de la protection de la vie privée  
12<sup>e</sup> étage  
40, avenue St. Clair ouest  
Toronto ON M4V 1M2  
Tél. : (416) 314-4075



October 9, 2019

Mandy Witteman  
Paterson Group Inc.  
154 Colonnade Road  
Ottawa, ON K2E 7J5

Dear Mandy Witteman:

RE: ***Freedom of Information and Protection of Privacy Act Request***  
**Our File # A-2019-06413, Your Reference PE4556**

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 3440 Carling Avenue, Ottawa.

After a thorough search through the files of the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is \$30.00 for 1 hour of search time @ \$30.00 per hour. **We have applied the \$30.00 for this request from your initial payment. This file is now closed.**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a \$25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Sharon Menzies at (416) 327-1429 or [Sharon.Menzies@ontario.ca](mailto:Sharon.Menzies@ontario.ca).

Yours truly,

Original signed by

Janet Dadufalza  
Manager, Access and Privacy

October 29, 2019

Mandy Witteman  
Paterson Group  
154 Colonnade Road  
Ottawa, Ontario, K2E 7J5

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

Dear Ms. Witteman,

**Re: Information Request  
<<3430 Carling Avenue>>, Ottawa, Ontario (“Subject Property”)**

### **Internal Department Circulation**

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

- **Environment & Health Protection:** The City’s Health Protection Service has identified that the premises contain an outstanding non-critical public health-related infraction.

### **Search of Historical Land Use Inventory**

**This acknowledges receipt of the signed Disclaimer regarding your request for information from the City’s Historical Land Use Inventory (HLUI 2005) database for the Subject Property.**

A search of the HLUI database revealed the following information:

- There are no activities associated with the Subject Property.

The HLUI database was also searched for activity associated with properties located within 250m of the Subject Property. The search revealed the following:

- There are 4 activities associated with properties located within 250m of the Subject Property:

A **site map** and **table** have been included to show the location of the Subject Property as well as the location of all the activities noted above.

Additional information may be obtained by contacting:

### **Ontario's Environmental Registry**

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

### **The Ontario Land Registry Office**

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

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

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

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

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

If you have any further questions or comments, please contact Samantha Gatchene at 613-580-2424 ext. 14743 or HLUI@ottawa.ca

Sincerely,

A handwritten signature in cursive script that reads "Samantha Gatchene".

Samantha Gatchene

Per:

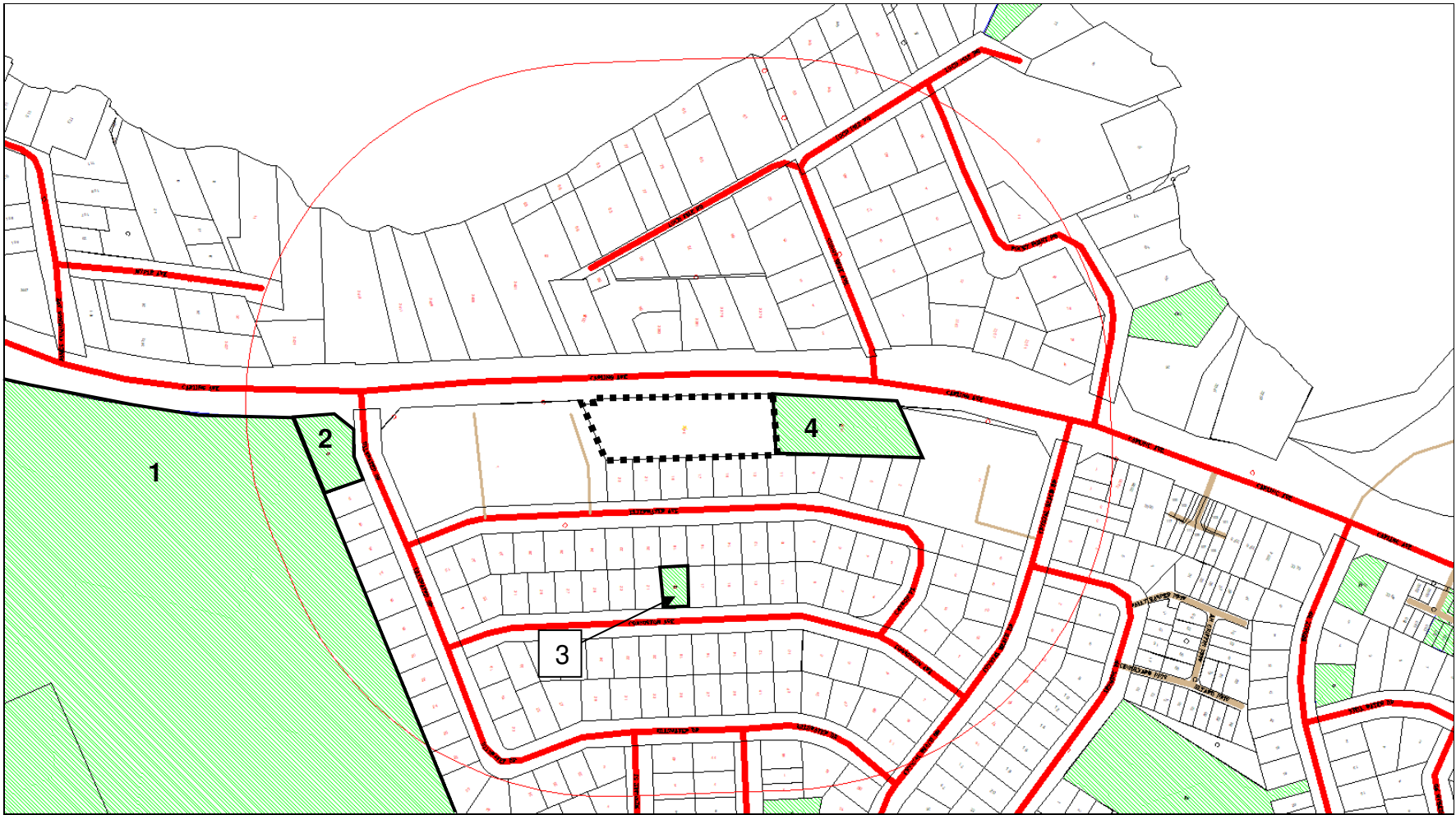
Michael Boughton, MCIP, RPP  
Senior Planner  
Development Review East  
Planning Services  
Planning, Infrastructure and Economic Development Department

MB/ SG


Enclosures

cc: File no. D06-03-19-0145







Scale 1: n/a  
 3430 Carling Avenue  
 Ottawa, ON  
 File # D06-03-19-0145  
 Samantha Gatchene



Overview

 = Subject Site

 = Area Number

HLUI Activity Table – D06-03-19-0145

<b>Area Number</b>	<b>HLUI Activities Associated with Area</b>
Subject Property	No HLUI activities are associated with the property
1	9710
2	4241
3	10169
4	4239

# Historical Land Use Inventory

Activity Numbers –

**Adjacent Properties**

# Historical Land Use Inventory

## Area #1 Activity Numbers



CITY OF OTTAWA  
HLUI ID: \_\_670HV6

Report: RPTC\_OT\_DEV0122  
Run On: 29 Oct 2019 at: 12:06:00

AREA (Square Metres): 578308.626

Study Year  
1998

PIN  
047080109

Multi-NAIC  
Y

Multiple Activities  
N

**Activity ID:** 9710                                      **Multiple PINS:** N  
**PIN Certainty:** 1                                      **Previous Activity ID(s) :** 6917  
**Related PINS:** 047080109  
**Name:** NORTEL - CORKSTOWN  
**Address:** 185 CORKSTOWN ROAD, NEPEAN  
**Facility Type:** Communication and Other Electronic Equipment Industries  
**Comments 1:**  
**Comments 2:**  
**Generator Number:** ON0132308  
**Storage Tanks:**  
**HL References 1:** SC98  
**HL References 2:**  
**HL References 3:** 2000 PID

NAICS	SIC
0	775
334410	0
334220	0
334290	0

Company Name	Year of Operation
NORTEL - CORKSTOWN	c. 2001
NORTEL - CORKSTOWN	c. 2000
NORTEL - CORKSTOWN	c. 2003
Northern Telecom (Nortel) Laboratories	c. 1998

# Historical Land Use Inventory

## Area #2 Activity Numbers



CITY OF OTTAWA  
HLUI ID: \_\_679FW5

Report: RPTC\_OT\_DEV0122  
Run On: 29 Oct 2019 at: 13:07:17

AREA (Square Metres): 1898.102

Study Year  
1998

PIN  
047080001

Multi-NAIC  
Y

Multiple Activities  
N

Activity ID: 4241 Multiple PINS: N  
PIN Certainty: 1 Previous Activity ID(s) : 6965

Related PINS: 047080001

Name: CRYSTAL COIN WASH & DRY CLEANERS  
Address: 2 ULLSWATER DRIVE, NEPEAN  
Facility Type: Laundries and Cleaners  
Comments 1: Unit D  
Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1960, M.1970, M.1980

HL References 2:

HL References 3:

NAICS	SIC
812320	972
561740	972
812330	972
812310	972

**Company Name**

Crystal Coin Wash & Dry Cleaners

**Year of Operation**

c. 1980

# Historical Land Use Inventory

## Area #3 Activity Numbers





**CITY OF OTTAWA**

**HLUI ID: \_\_6790ZP**

**AREA (Square Metres): 622.335**

Report: RPTC\_OT\_DEV0122

Run On: 29 Oct 2019 at: 13:15:01

**Study Year**  
2005

**PIN**  
047070050

**Multi-NAIC**  
N

**Multiple Activities**  
N

**Activity ID:** 10169 **Multiple PINS:** N

**PIN Certainty:** 1 **Previous Activity ID(s) :**

**Related PINS:** 047070050

**Name:** OTTAWA PLUMBING & HEATING

**Address:** 19 CONNISTON AVENUE,

**Facility Type:** Plumbing, Heating and Air Conditioning, Mechanical Work

**Comments 1:**

**Comments 2:**

**Generator Number:**

**Storage Tanks:**

**HL References 1:**

**HL References 2:**

**HL References 3:** 2001 Employment Survey

<b>NAICS</b>	<b>SIC</b>
238220	0

**Company Name**

OTTAWA PLUMBING & HEATING

**Year of Operation**

c. 2001

# Historical Land Use Inventory

## Area #4 Activity Numbers



CITY OF OTTAWA

HLUI ID: \_\_679FGT

AREA (Square Metres): 4310.140

Report: RPTC\_OT\_DEV0122

Run On: 29 Oct 2019 at: 13:15:39

**Study Year**  
1998

**PIN**  
047070092

**Multi-NAIC**  
Y

**Multiple Activities**  
N

**Activity ID:** 4239                      **Multiple PINS:** N  
**PIN Certainty:** 1                      **Previous Activity ID(s) :** 2137

**Related PINS:** 047070092

**Name:** MACEWEN PETROLEUM INC.

**Address:** 3420 CARLING AVENUE,

**Facility Type:** Gasoline Service Stations

**Comments 1:**

**Comments 2:**

**Generator Number:**

**Storage Tanks:**

**HL References 1:** M.1960, M.1970, M.1980

**HL References 2:**

**HL References 3:** 2005 Select Phone

NAICS	SIC
447190	633
811199	633
447110	633
447190	0
447110	0

Company Name	Year of Operation
MACEWEN PETROLEUM INC.	c. 2005
MACEWEN PETROLEUM INC.	c. 2001
Crystal Beach Gas Bar	c. 1980

UTM 118 2 434340 E

9 R 5022150 N

Elev. 9 R 0210

Basin 25



RECEIVED JUN 15 1953 GEOLOGICAL BRANCH DEPARTMENT OF MINES

15 No 3800

The Well Drillers Association Department of Mines, Province of Ontario

Water Well Record

Nepean, Village, Town or City. March Rd. City View Ont.

Date Completed 27 May 1953 Cost of Well (excluding pump)

Pipe and Casing Record

Pumping Test

Casing diameter(s) 6 1/4" Length(s) of casing(s) 37' Date May 27 Static level 15' Pumping level 2.6' Pumping rate 500 G.P.H. Duration of test 30 Min.

Water Record

Kind (fresh or mineral) Fresh Quality (hard, soft, contains iron, sulphur, etc.) hard Appearance (clear, cloudy, coloured) clear For what purpose(s) is the water to be used? Motel How far is well from possible source of contamination? 75' What is the source of contamination? Septic Bed

Table with 3 columns: Depth(s) to Water Horizon(s), Kind of Water, No. of Feet Water Rises. Rows show 60' depth with Good water (45' rise) and 118' depth with water (103' rise).

Well Log

Overburden and Bedrock Record

From To

0 ft. 25 ft.

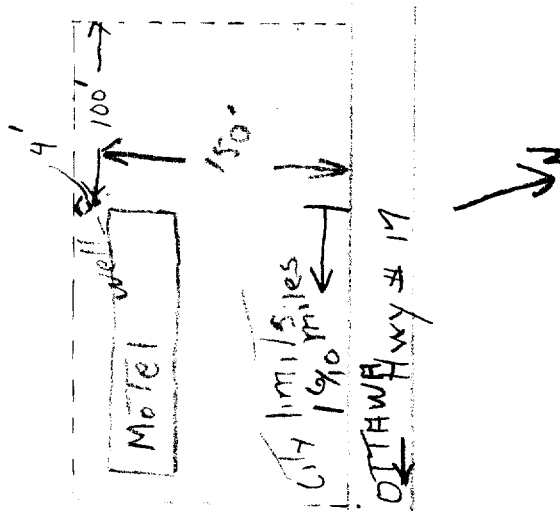
25' 35'

35' 118'

Clay hard pan limestone

Location of Well

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



Situation: Is well on upland, in valley, or on hillside? Valley Drilling Firm: F. A. McKeam & Son Address: 185 James St. Name of Driller: C. McKeam Address: 89 Waverley Date: June 11 Licence Number:

Signature of Licensee: C. McKeam



GROUND WATER BRANCH  
 15 No  
 APR 24 1962  
 ONTARIO WATER RESOURCES COMMISSION

\$794

UTM | 182 | 434280 | E  
 OTTAWA FRONT  
 5R | 5022300 | N  
 Elev. | 4R | 20200

The Ontario Water Resources Commission Act

# WATER WELL RECORD

Basin | 25 | County or District | CARLETON | Township, Village, Town or City | Nepean  
 Date completed | 13 March 1962 (day month year)  
 Address | Hazeldean, Ontario.

### Casing and Screen Record

Inside diameter of casing ..... 4"  
 Total length of casing ..... 55'  
 Type of screen ..... nil  
 Length of screen ..... nil  
 Depth to top of screen ..... nil  
 Diameter of finished hole ..... 4"

### Pumping Test

Static level ..... 20'  
 Test-pumping rate ..... 10 G.P.M.  
 Pumping level ..... 20'  
 Duration of test pumping ..... 1 Hour  
 Water clear or cloudy at end of test ..... cloudy  
 Recommended pumping rate ..... 10 G.P.M.  
 with pump setting of ..... 25' feet below ground surface

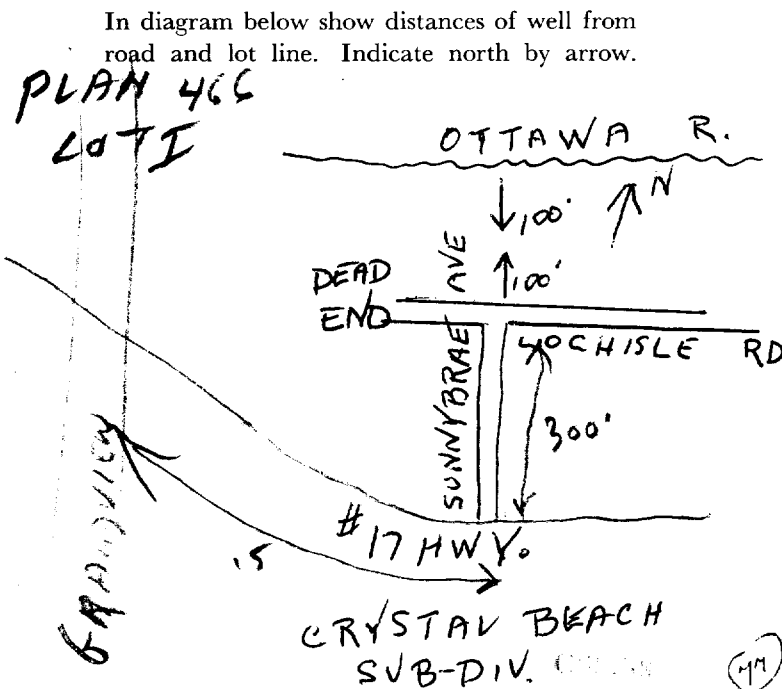
### Well Log

### Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Clay	0'	20'		
Sand	20'	45'		
Gravel	45'	50'		
Grey Limestone	50'	90'	80'	fresh

For what purpose(s) is the water to be used? ..... **New Home**  
 Is well on upland, in valley, or on hillside? ..... **Upland**  
 Drilling or Boring Firm ..... **BLAIR PHILLIPS DRILLING CO., LTD.**  
 Address ..... **1119 Falaise Road, Ottawa 5, Ontario**  
 Licence Number ..... **##### #474**  
 Name of Driller or Borer ..... **J. Moore**  
 Address ..... **Kars, Ont.**  
 Date ..... **13 March 1962**  
 (Signature of Licensed Drilling or Boring Contractor)

### Location of Well



UTM 182 434 135 E

9R 5022240 N

Elev. 9R 02110

Basin 25



RECEIVED

JAN 26 1951

15 No DEC 8797

The Well Drillers Act Geological Branch DEPARTMENT OF MINES, Province of Ontario

# Water Well Record

NEPEAN I.O.F. Con. Lot 12 Pt. Lot  
Britannia Bay Acres 18.00  
(not including pump)

## Pipe and Casing Record

## Pumping Test

Casing diameter(s) 5.00  
Length(s) of casing(s) 20 ft  
Length of screen  
Type of screen  
Type of pump  
Capacity of pump  
Depth of pump setting

Date April 2/50  
Developed Capacity 275 GPH  
Duration of Test 1 hour  
Pumping Rate 225 GPH  
Drawdown 10 ft  
Static level of completed well 15 ft  
Is well a gravel-wall type? Rock

## Water Record

Kind (fresh or mineral) fresh  
Quality (hard, soft, contains iron, sulphur etc.) hard  
Appearance (clear, cloudy, coloured) clear  
For what purpose(s) is the water to be used? house  
How far is well from possible source of contamination? 40  
What is source of contamination? Septic tank  
Enclose a copy of any mineral analysis that has been made of water

Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
110	Fresh	95

## Well Log

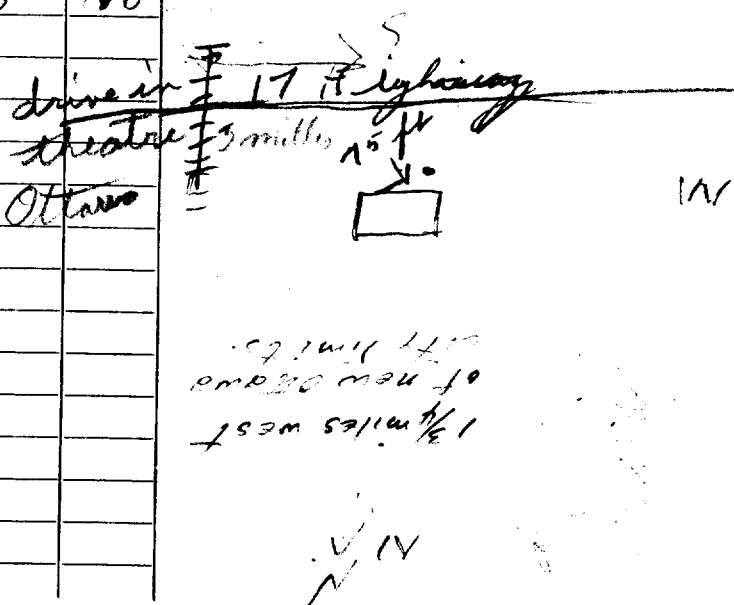
### Drift and Bedrock Record

From	To
0 ft.	15 ft.
15	100

1 ft to 2.5 ft clay Blew  
~~15 to 100~~  
15 to 110 Rock  
Blew Limestone

### Location of Well

In diagram below show distances of well from road and lot line



Situation: Is well on upland, in valley, or on hillside?  
Drilling Firm Stewart H. Mulligan  
Address R.R.#1 Britannia Bay Ont  
Recorded by Berney Klatt  
Date  
Address Richmond Ont  
Licence Number Berney Klatt

UTM 18 2 4 3 4 4 3 5

SR 5 0 2 2 2 2 5 N

Elev. 4 R 0 2 1 1 0

Basin 2 5



ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario

RECEIVED No. 8758
JAN 7 1953
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

Ottawa Front
Co H I
Lot 12

Water Well Record

County or Territorial District... Carleton... Township, Village, Town or City... Britannia
Con... I.O.E. Lot 12... Street and Number... Britannia
Owner... Address... Britannia Bay
Date Completed... Dec 24 1952... Cost of Well (excluding pump)...

Pipe and Casing Record

Pumping Test

Casing diameter(s)... Fresh 5
Length(s) of casing(s)... 27
Type of screen... none
Length of screen...
Distance from top of screen to ground level...
Is well a gravel-wall type?...

Date... Dec 18 1952
Static level... 6
Pumping level... 16
Pumping rate... 3.8 g.p.h. 1.0 minutes
Duration of test... 1.0 minutes
Distance from cylinder or bowls to ground level...

Water Record

Kind (fresh or mineral)... Fresh
Quality (hard, soft, contains iron, sulphur, etc.)... hard
Appearance (clear, cloudy, coloured)... Clear
For what purpose(s) is the water to be used?... house domestic
How far is well from possible source of contamination?... 10'
What is the source of contamination?... Septic tank
Enclose a copy of any mineral analysis that has been made of water...

Table with 3 columns: Depth(s) to Water Horizon(s), Kind of Water, No. of Feet Water Rises. Rows for depths 30, 50, 80.

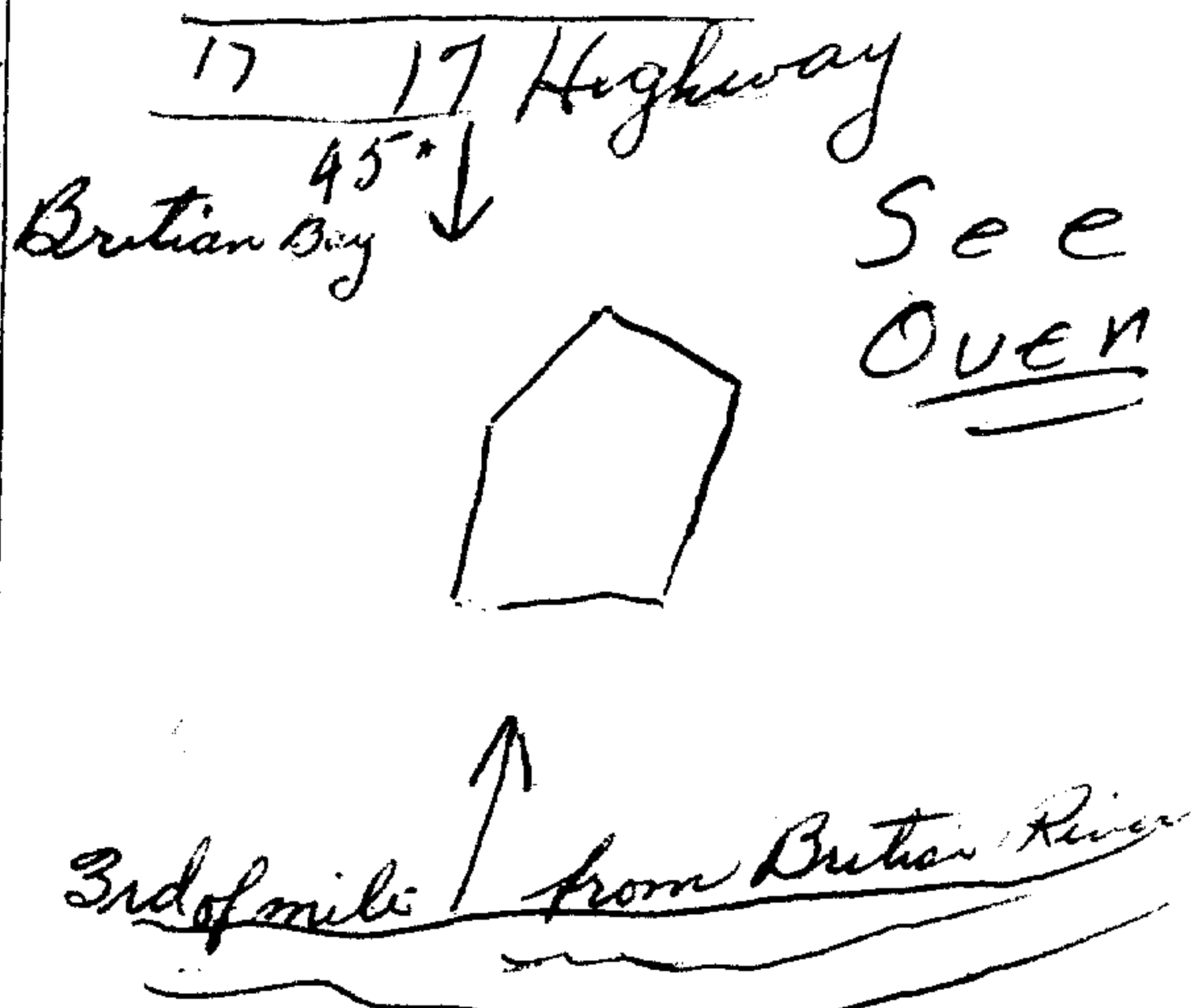
Well Log

Overburden and Bedrock Record

Table with 3 columns: Description, From, To. Rows: Brown Clay (0-10), Green Clay (10-40), Sand (40-45), Lime stone (45-103).

Location of Well

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



Situation: Is well on upland, in valley, or on hillside?... level plain
Drilling Firm... Stewart Muligan
Address... 17 Hwy Britian Bay Ottawa
Name of Driller... Daniel Ricardo
Date... Dec 24 1952
Licence Number... 597
Signature of Licensee... Danny Ricardo

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

| 9 | R | 5 0 | 2 2 | 2 2 | 5 | N

Elev. | 9 | R | 0 2 1 0 |

Basin <sup>25</sup> Ottawa Front  
 Conc - 1  
 Lot - 12.



RECEIVED

JUN 15 1953 15  
 GEOLOGICAL BRANCH  
 DEPARTMENT of MINES

No. 8799

The Well Drillers Act  
 Department of Mines, Province of Ontario

# Water Well Record

Date Completed... 11 (day) May (month) 1953 (year) Cost of Well (excluding pump).....  
 Village, Town or City... Nepean  
 Town or City)...  
 March Rd

## Pipe and Casing Record

## Pumping Test

Casing diameter(s) ... <i>* 5"</i>	Date ... <i>May 11</i>
Length(s) of casing(s) ... <i>46'</i>	Static level ... <i>18'</i>
Type of screen ... <i>—</i>	Pumping level ... <i>26'</i>
Length of screen ... <i>—</i>	Pumping rate ... <i>400 G.P.H.</i>
Distance from top of screen to ground level ... <i>—</i>	Duration of test ... <i>30 Min</i>
Is well a gravel-wall type? ... <i>—</i>	Distance from cylinder or bowls to ground level ... <i>—</i>

## Water Record

Kind (fresh or mineral) ... <i>Fresh</i>	Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
Quality (hard, soft, contains iron, sulphur, etc.) ... <i>hard</i>			
Appearance (clear, cloudy, coloured) ... <i>clear</i>	<i>60'</i>	<i>good</i>	<i>30'</i>
For what purpose(s) is the water to be used? ... <i>household</i>	<i>100'</i>	<i>"</i>	<i>82'</i>
How far is well from possible source of contamination? ... <i>75'</i>			
What is the source of contamination? ... <i>Septic Bed</i>			
Enclose a copy of any mineral analysis that has been made of water ... <i>—</i>			

## Well Log

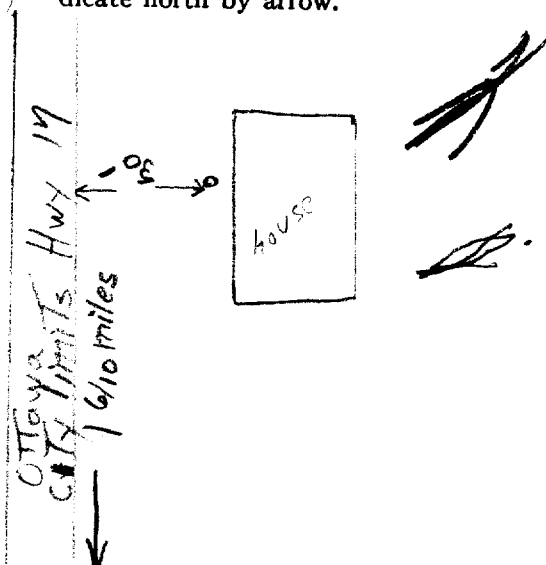
### Overburden and Bedrock Record

From	To
------	----

<i>Clay</i>	<i>0 ft.</i>	<i>30 ft.</i>
<i>Hard pan</i>	<i>30'</i>	<i>43'</i>

### Location of Well

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



Situation: Is well on upland, in valley, or on hillside? ... *Upland*  
 Drilling Firm ... *F.H. McKeary & Son*  
 Address ... *185 James St*  
 Name of Driller ... *C. McKeary* Address ... *89 Waverley*  
 Date ... *June 11, 1953* Licence Number

*C.D. McKeary*  
 Signature of Licensee



UTM | 118Z | 43141215 | E

9R | 5022410 | N

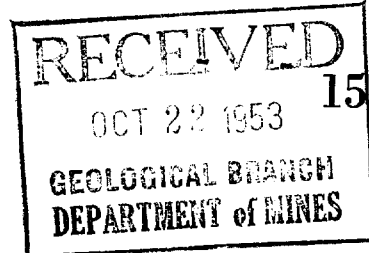
Elev. | 9R | 021010 |

Basin | Ottawa Front |

conc-1  
Lot-12



The Well Drillers Act  
Department of Mines, Province of Ontario



# Water Well Record

ip, Village, Town or City. *Pelee*

Town or City).....

is.....

Date Completed... *21 2/53* ..... Cost of Well (excluding pump).....  
(day) (month) (year)

## Pipe and Casing Record

## Pumping Test

Casing diameter(s) <i>3"</i>	Date <i>Oct 8-1953</i>
Length(s) of casing(s) <i>55'</i>	Static level <i>20'</i>
Type of screen.....	Pumping level <i>30'</i>
Length of screen.....	Pumping rate <i>300</i>
Distance from top of screen to ground level.....	Duration of test <i>2 hrs</i>
Is well a gravel-wall type? <i>Rock</i>	Distance from cylinder or bowls to ground level.....

## Water Record

Kind (fresh or mineral) *fresh*

Quality (hard, soft, contains iron, sulphur, etc.) *soft*

Appearance (clear, cloudy, coloured) *clear*

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

How far is well from possible source of contamination? *50'*

What is the source of contamination? *septic tank*

Enclose a copy of any mineral analysis that has been made of water.....

Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
<i>90</i>	<i>fresh</i>	<i>70</i>

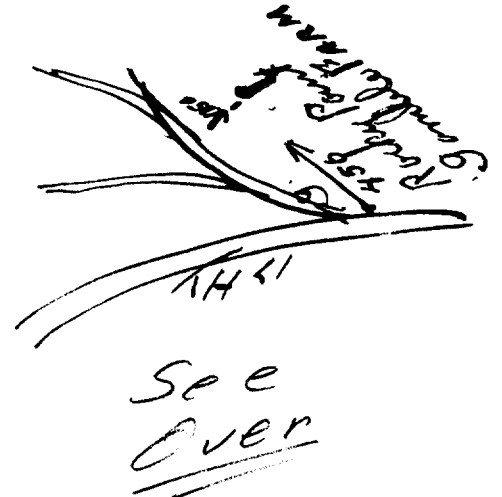
## Well Log

### Overburden and Bedrock Record

	From	To
<i>clay - clay</i>	0 ft.	40
<i>sand</i>	40	55
<i>limestone</i>	55	92

## Location of Well

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



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

Drilling Firm. *J. B. Pelee*

Address *1170 Colling*

Name of Driller *J. Bernier* Address *1637 Lake Lane*

Date *2 Oct 1953* Licence Number.....

*J. Bernier*  
Signature of Licensee

UTM 18 18 Z 4 3 4 0 19 10 E  
9 R 5 0 2 2 2 8 0 N  
 Elev. 9 0 2 0 5  
 Basin 25 1 1 1



**RECEIVED**  
 JAN 20 1973  
 GEOLOGICAL BRANCH  
 DEPARTMENT OF MINES

15 No 8803

The Water-well Drillers Act, 1954  
 Department of Mines

# Water-Well Record

County or Territorial District Carleton Township, Village, Town or City Nepean  
 Village, Town or City  
 Address Britannia Bay P.R.  
 (day) (month) (year)

## Pipe and Casing Record

## Pumping Test

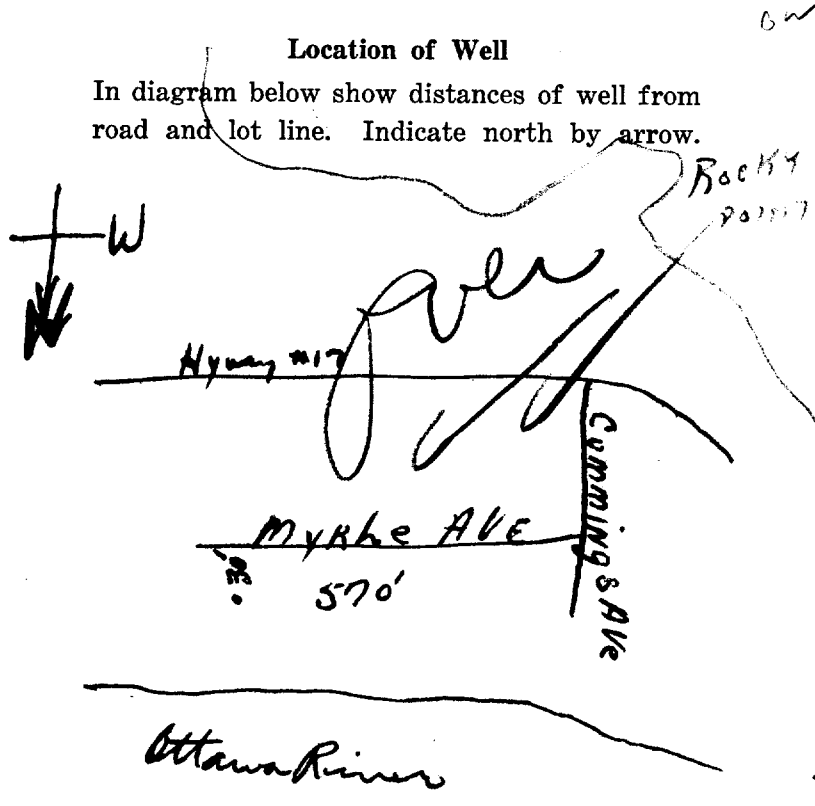
Casing diameter(s) 5" Static level 16 ft  
 Length(s) 28' Pumping rate 300 GPH  
 Type of screen \_\_\_\_\_ Pumping level 16 ft  
 Length of screen \_\_\_\_\_ Duration of test 1/2 hr

## Well Log

## Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth (s) at which water (s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
<u>clay &amp; stones</u>	<u>0</u>	<u>20</u>			
<u>limestone</u>	<u>20</u>	<u>62 ft</u>	<u>50-62</u>	<u>to 16 ft</u> <u>46'</u>	<u>fresh</u>

For what purpose(s) is the water to be used? house  
 Is water clear or cloudy? clear  
 Is well on upland, in valley, or on hillside? hillside  
 Drilling firm Ben Sparks  
 Address \_\_\_\_\_  
 Name of Driller Ben Sparks  
 Address \_\_\_\_\_  
 Licence Number 4720  
 I certify that the foregoing statements of fact are true.  
 Date dec/55 Ben Sparks  
 Signature of Licensee



UTM | 18 | 2 | 434270 | E

| 5 | R | 5022255 | N

14 Elev. | 4 | R | 02110 |

Basin OTTAWA FRONT

Con I LOT 12

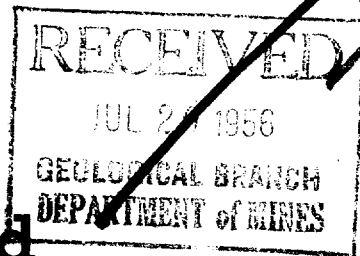


ONTARIO

The Water-well Drillers Act, 1954

Department of Mines

15 No 3804



# Water-Well Record

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

in Village, Town or City

Address

(day) (month) (year)

## Pipe and Casing Record

## Pumping Test

Casing diameter (s) <u>5"</u>	Static level <u>18 ft</u>
Length (s) <u>28 ft</u>	Pumping rate <u>300 gpm</u>
Type of screen	Pumping level <u>20 ft</u>
Length of screen	Duration of test <u>1 1/2 hr.</u>

## Well Log

## Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth (s) at which water (s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
<u>clay limestone rock</u>	<u>0</u>	<u>16</u>	<u>40-50</u>	<u>to 18 ft.</u>	<u>fresh</u>

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

Is water clear or cloudy? clear

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

Drilling firm

Address

Name of Driller B SPARKS

Address

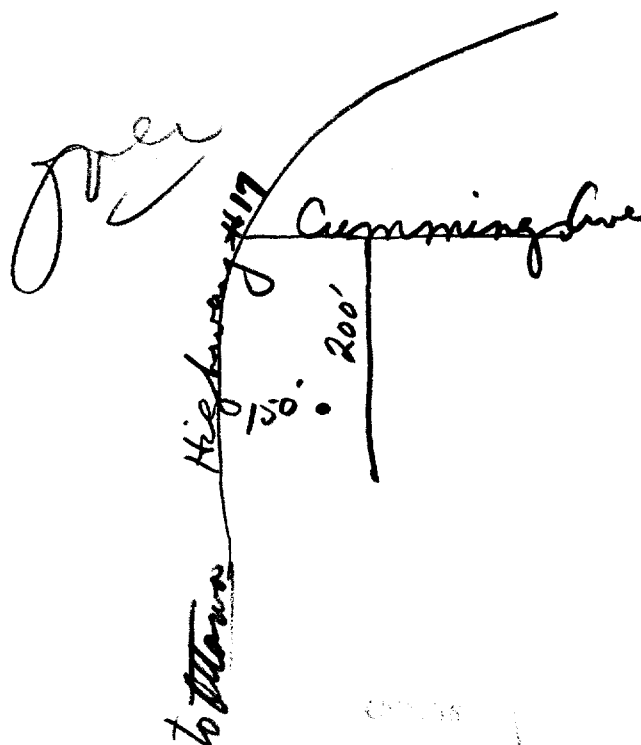
Licence Number 420

I certify that the foregoing statements of fact are true.

at June 20 Ben E Sparks  
Signature of Licensee

## Location of Well

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



UTM 10 90  
 18 2 4 3 4 1 0 0 E  
 5 R 5 0 2 2 2 5 1 0 N



GROUND WATER BRANCH  
 15 No 3805  
 AUG 15 1961  
 ONTARIO WATER RESOURCES COMMISSION

The Ontario Water Resources Commission Act

# WATER WELL RECORD

Elev. 4 R 0 2 1 0

Basin 2 5  
 County or District Carleton

Township, Village, Town or City Nepean

Con. V O F Lot 12

Date completed 5 Aug 1961  
 (day month year)

Address Bells Corners Ont RR#2

### Casing and Screen Record

Inside diameter of casing 4"  
 Total length of casing 19'  
 Type of screen none  
 Length of screen \_\_\_\_\_  
 Depth to top of screen \_\_\_\_\_  
 Diameter of finished hole 4"

### Pumping Test

Static level 16'  
 Test-pumping rate 5 G.P.M.  
 Pumping level 16'  
 Duration of test pumping 1/2 hr  
 Water clear or cloudy at end of test clear  
 Recommended pumping rate 5 G.P.M.  
 with pump setting of 16' feet below ground surface

### Well Log

### Water Record

Overburden and Bedrock Record	From ft	To ft	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
clay loam	0	19'		
grey limestone	19'	60'	58-60'	fresh

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

House

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

Drilling or Boring Firm W M E Sparks

Address 413 Edgeworth Ave  
 Ottawa 3

Licence Number 243

Name of Driller or Borer W M E Sparks

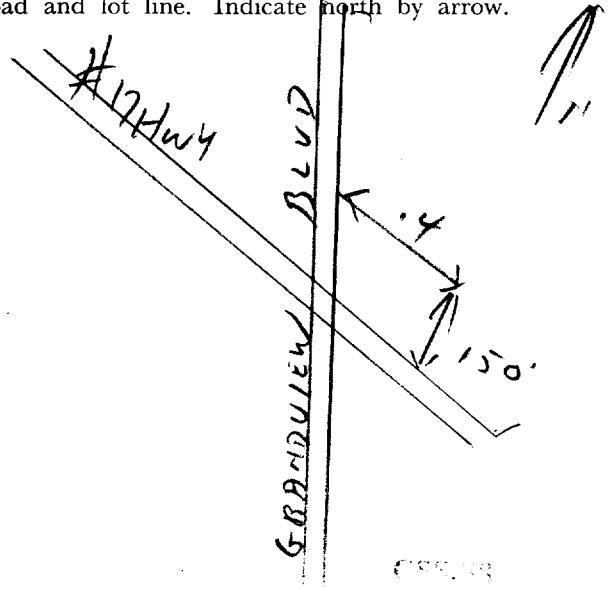
Address same

Date Aug 7 1961

(Signature of Licensed Drilling or Boring Contractor)  
 W M E Sparks  
 Per Anna J Sparks

### Location of Well

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





UTM 182 434 100E

GROUNDWATER No. 3806  
A 27 100

OTTAWA FRONT  
5R 510 222 210N

The Ontario Water Resources Commission Act

Elev. 4R 02110

# WATER WELL RECORD

Basin 25 L L L L  
County or District

Township, Village, Town or City

Con. I O E Lot 412

Date completed 30 July 62  
(day month year)

Address CRYSTAL BAY

### Casing and Screen Record

### Pumping Test

Inside diameter of casing 4  
Total length of casing 30  
Type of screen  
Length of screen  
Depth to top of screen  
Diameter of finished hole 4

Static level 15  
Test-pumping rate 4 G.P.M.  
Pumping level 18  
Duration of test pumping 1 hr  
Water clear or cloudy at end of test CLEAR  
Recommended pumping rate 4 G.P.M.  
with pump setting of 40 feet below ground surface

### Well Log

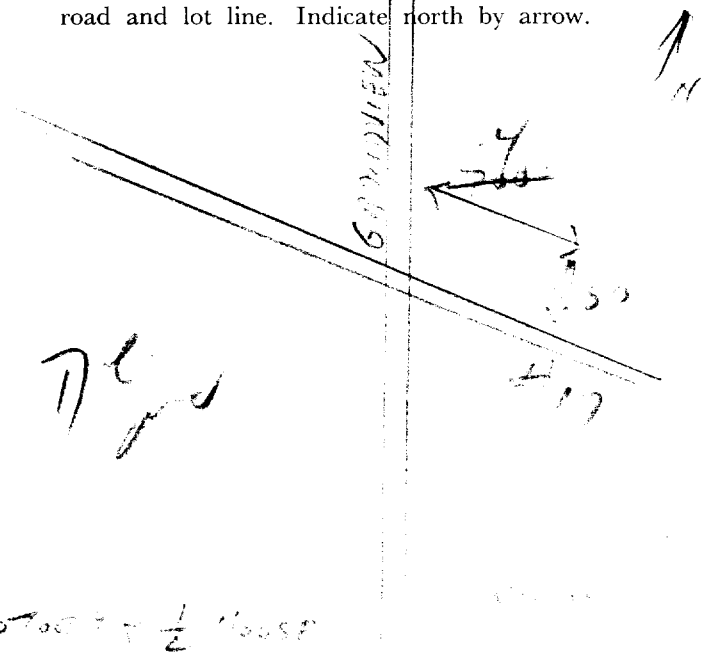
### Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
CLAY	0	12		
LIMESTONE	12	50	30	FRESH

For what purpose(s) is the water to be used?  
Irrigation  
Is well on upland, in valley, or on hillside?  
Drilling or Boring Firm  
Address  
Licence Number  
Name of Driller or Borer  
Address  
Date  
(Signature of Licensed Drilling or Boring Contractor)

### Location of Well

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



UTM 118 2 41314 4710 E

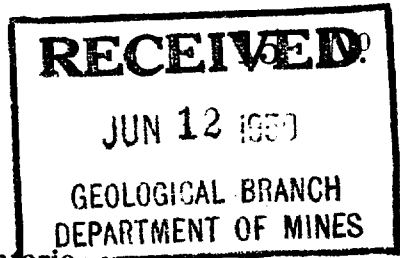
9 R 5102231910 N

Elev. 9 R 02010

Basin 25



The Well Drillers Act  
Department of Mines, Province of Ontario



3809

# Water Well Record

Con. I.O.F. Lot 13 Pt. Lot  
Highway 17  
\$ 599.74  
(including pump)

### Pipe and Casing Record

### Pumping Test

Casing diameter(s) . . . . . 6"	Date . . . . . April 19
Length(s) of casing(s) . . . . . 49'	Developed Capacity . . . . . 600 G.P.H.
Length of screen . . . . .	Duration of Test . . . . . 30 MIN
Type of screen . . . . .	Pumping Rate . . . . . 600 G.P.H.
Type of pump . . . . .	Drawdown . . . . . 4'
Capacity of pump . . . . .	Static level of completed well . . . . . 12'
Depth of pump setting . . . . .	Is well a gravel-wall type? . . . . . No

### Water Record

Kind (fresh or mineral) . . . . . Fresh	<table border="1"> <thead> <tr> <th>Depth(s) to Water Horizon(s)</th> <th>Kind of Water</th> <th>No. of Feet Water Rises</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises															
Depth(s) to Water Horizon(s)		Kind of Water	No. of Feet Water Rises																
Quality (hard, soft, contains iron, sulphur etc.) . . . . . Soft																			
Appearance (clear, cloudy, coloured) . . . . . Clear																			
For what purpose(s) is the water to be used? . . . . . Household																			
How far is well from possible source of contamination? . . . . . 50'																			
What is source of contamination? . . . . . Septic Tank																			
Enclose a copy of any mineral analysis that has been made of water . . . . .																			

### Well Log

#### Drift and Bedrock Record

	From	To
	O ft.	50 ft.
Gill		50
Limestone	50	154

### Location of Well

In diagram below show distances of well from road and lot line

See diag on Dr. Hanna  
13/4/48

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

Drilling Firm . . . . . F.A. Mc Leau & Son

Address . . . . . 185 James St., Ottawa

Recorded by . . . . . C. M. Mc Leau . . . . . Address . . . . .

Date . . . . . June 8 1948 . . . . . Licence Number . . . . .

UTM 118Z 434525E

9R 5022435N

Elev. 9R 02000

Basin 25



The Well Drillers Act  
Department of Mines, Province of Ontario

15 No 3810  
**RECEIVED**  
JUN 12 1950  
GEOLOGICAL BRANCH  
DEPARTMENT OF MINES

# Water Well Record

Con. *I-OF.* Lot *13* Pt. Lot  
*orch Road Highway 7*  
including pump) *556.89*

## Pipe and Casing Record

## Pumping Test

Casing diameter(s) *6"*  
Length(s) of casing(s) *54'*  
Length of screen  
Type of screen  
Type of pump  
Capacity of pump  
Depth of pump setting

Date *May 7/48*  
Developed Capacity *500 G.P.H.*  
Duration of Test *30 MIN*  
Pumping Rate *500 G.P.H.*  
Drawdown *10'*  
Static level of completed well *20'*  
Is well a gravel-wall type? *No*

## Water Record

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

Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises

## Well Log

### Drift and Bedrock Record

From	To
0 ft.	54 ft.
54	163

*Lill*  
*Limestone*

## Location of Well

In diagram below show distances of well from road and lot line

*See diag*  
*order. Hanna*  
*Record 12/4/48*

Situation: Is well on upland, in valley, or on hillside? *Valley*  
Drilling Firm *F. A. McLean & Son*  
Address *185 James St. Ottawa*  
Recorded by *C. O. McLean* Address  
Date *June 8 1948* Licence Number

UTM 18 2 4 3 4 6 13 10 E

9 R 5 0 2 2 1 5 0 N

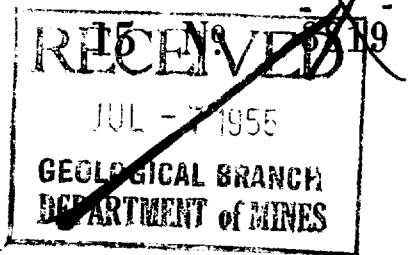
Elev. 9 R 0 2 1 1 0

Basin 25 OTTAWA FR



ONTARIO

The Water-well Drillers Act, 1954  
Department of Mines



# Water-Well Record

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

Village, Town or City

address

(day) (month) (year)

## Pipe and Casing Record

## Pumping Test

Casing diameter(s) 4"  
Length(s) 60'  
Type of screen  
Length of screen

Static level 15'  
Pumping rate 300 g.p.h.  
Pumping level 30 ft  
Duration of test 8 hrs.

## Well Log

## Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth (s) at which water (s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
<u>Clay</u>					
<u>Clay</u>	<u>0</u>	<u>60'</u>	<u>130'</u>	<u>115'</u>	<u>Fresh</u>
<u>Limestone</u>	<u>60</u>	<u>130'</u>			

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

Is water clear or cloudy? Clear

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

Drilling firm S. H. Mulligan

Address Britannia Bay

R.R. #1 Ont

Name of Driller S. V. Petry

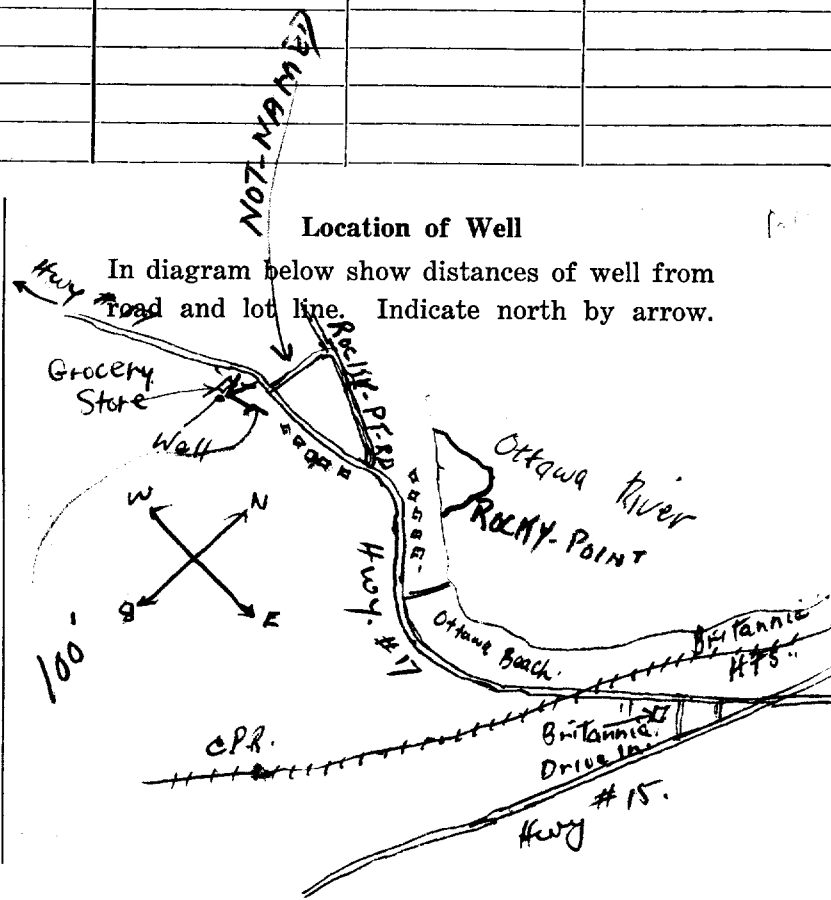
Address Britannia Bay

R.R. #1 Ont

Licence Number H. 52

I certify that the foregoing statements of fact are true.

Date June 28/55 S. V. Petry  
Signature of Licensee



also see Over.



UTM 18 434560  
 5 5022300  
 Elev. 4R 0210  
 Basin 25 13



31 & Se

15 No 3824  
 GROUND WATER BRANCH  
 MAY 18 1960  
 ONTARIO WATER RESOURCES COMMISSION

The Ontario Water Resources Commission Act, 1957

# WATER WELL RECORD

County or District Carleton Township, Village, Town or City Nepean  
 Con. I OF Lot 13 Date completed 23 Mar. 1960  
 (day month year)  
 Address II Burnham Rd., Ottawa

### Casing and Screen Record

Inside diameter of casing 5"  
 Total length of casing 55'  
 Type of screen none  
 Length of screen  
 Depth to top of screen  
 Diameter of finished hole 5"

### Pumping Test

Static level 19'  
 Test-pumping rate 6 G.P.M.  
 Pumping level 40'  
 Duration of test pumping 1 hr  
 Water clear or cloudy at end of test cloudy  
 Recommended pumping rate 6 G.P.M.  
 with pumping level of 40

### Well Log

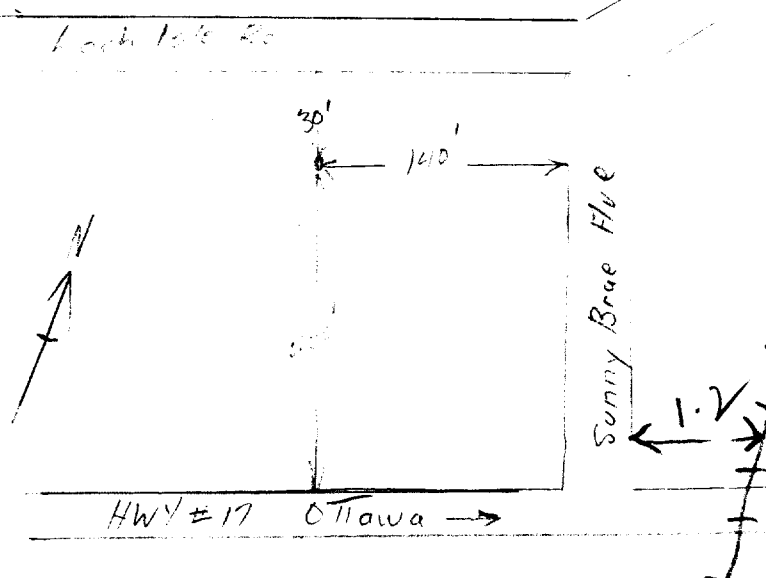
### Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, sulphur)
clay	0	46			
limestone	46	96	96	77	fresh

For what purpose(s) is the water to be used?  
house  
 Is well on upland, in valley, or on hillside?  
upland  
 Drilling Firm McLean Water Supply Ltd.  
 Address 1532 Raven Ave. Ottawa 3  
 Licence Number 476  
 Name of Driller B. Foster  
 Address  
 Date April 1, 1960  
 (Signature of Licensed Drilling Contractor)

### Location of Well

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



Plot verified by inspection  
 68888  
 BRITANNIA



31G5c

15 No 3826

UTM 18Z 434155E

9 OTTAWA FRONT 5021950

The Ontario Water Resources Commission Act

Elev Con R 10205

# WATER WELL RECORD

Basin 25 Lot 13  
County or District Carleton

Township, Village, Town or City Duprean

Con. 10F Lot 13

Date completed 21 JUNE 1961  
(day month year)

Address 89 GERRIST ST. EASTVIEW ONT.

### Casing and Screen Record

Inside diameter of casing 2"  
 Total length of casing 63'  
 Type of screen NONE  
 Length of screen —  
 Depth to top of screen —  
 Diameter of finished hole 2"

### Pumping Test

Static level 13'  
 Test-pumping rate 3 G.P.M.  
 Pumping level 30'  
 Duration of test pumping 1 HOUR  
 Water clear or cloudy at end of test CLEAR  
 Recommended pumping rate 3 G.P.M.  
 with pump setting of 30' feet below ground surface

### Well Log

### Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>BLUE CLAY</u>	<u>0</u>	<u>60'</u>		
<u>GREY LIMESTONE</u>	<u>60</u>	<u>130'</u>	<u>127'</u>	<u>Fresh.</u>

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

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

Drilling or Boring Firm J.B. DUFRESNE & CO. LTD.

Address 1014 MAITLAND AVE. OTTAWA, ONT.

Licence Number

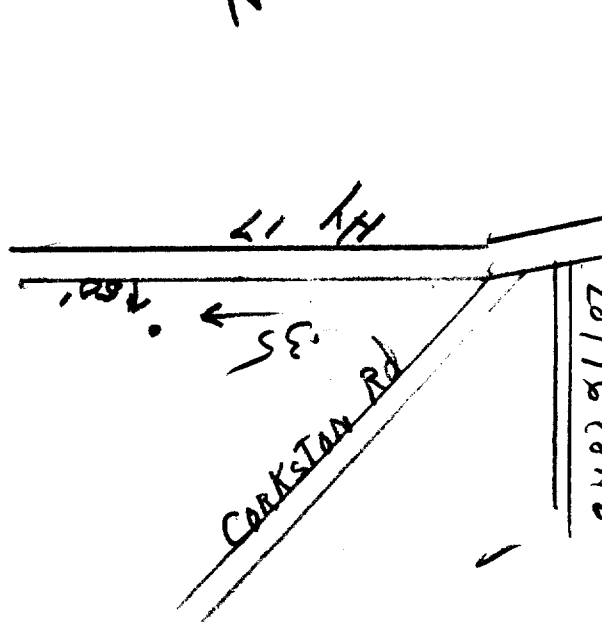
Name of Driller or Borer W. Roy Hull, P. Q.

Date 22 June 1961

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

### Location of Well

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





WATER RESOURCES  
DIVISION  
15 No 3827  
FEB 11 1966  
ONTARIO WATER RESOURCES COMMISSION

UTM 118Z 431451710E

5R 5101212131810N The Ontario Water Resources Commission Act

Elev. 4R 0121015

# WATER WELL RECORD

Basin 25 | Cardinal Township, Village, Town or City Nepean  
 County or District  
 Con. I (O.F.) Lot 13 Date completed 4 Jan 1966  
 (day month year)  
 Owner Rene Goulet Constr. 1544 Scott St Ottawa  
 (print in block letters)

### Casing and Screen Record

### Pumping Test

Inside diameter of casing 5"  
 Total length of casing 57'  
 Type of screen  
 Length of screen  
 Depth to top of screen  
 Diameter of finished hole 5"

Static level 25'  
 Test-pumping rate 10 G.P.M.  
 Pumping level 35'  
 Duration of test pumping 1 hr  
 Water clear or cloudy at end of test cloudy  
 Recommended pumping rate 5 G.P.M.  
 with pump setting of 70 feet below ground surface

### Well Log

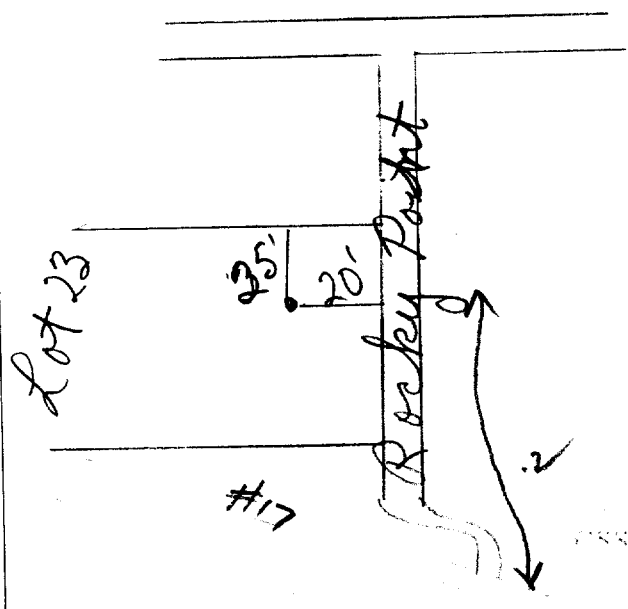
### Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Clay	0'	25'		
sands	25'	45'		
gravel	45'	51'		
limestone	51'	100'	98	FRESH

For what purpose(s) is the water to be used? new house  
 Is well on upland, in valley or on hillside? upland  
 Drilling or Boring Firm Capital Water Supply  
 Address 1243 Heron Rd Ottawa  
 Licence Number 1687  
 Name of Driller or Borer M Kavanagh  
 Address  
 Date Jan 5 1966  
 Walter Kavanagh  
 (Signature of Licensed Drilling or Boring Contractor)

### Location of Well

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



UTM 1182434345E  
9R 5022190N  
 Elev. 9R 0210  
 Basin 25



**The Well Drillers Act**  
 Department of Mines, Province of Ontario

3155  
 15 No 3829  
 MAR 26 1951  
 GEOLOGICAL BRANCH  
 DEPARTMENT OF MINES

# Water Well Record

County or Territorial District Cornwall Township, Village, Town or City Tapscott

Date Completed Mon March 5 1951 (day) 7 (month) 1951 (year) Cost of well (excluding pump) \$350.00

## Pipe and Casing Record

## Pumping Test

Casing diameter (s) 4 inches  
 Length(s) of casing (s) 45 ft  
 Type of screen           
 Length of screen           
 Distance from top of screen to ground level           
 Is well a gravel-wall type? no, wall type

Date Sat March 3 1951  
 Static level 22 ft  
 Pumping level 20 ft  
 Pumping rate 25 gal per min  
 Duration of test 1 hr  
 Distance from cylinder or bowls to ground level         

## Water Record

Kind (fresh or mineral) fresh  
 Quality (hard, soft, contains iron, sulphur, etc.) hard  
 Appearance (clear, cloudy, coloured) clear  
 For what purpose(s) is the water to be used? domestic  
 How far is well from possible source of contamination? 45 feet  
 What is the source of contamination? septic tank  
 Enclose a copy of any mineral analysis that has been made of water         

Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
<u>50 ft</u>	<u>fresh</u>	<u>60 ft</u>
<u>100 ft</u>	<u>fresh</u>	<u>80 ft</u>
<u>130 ft</u>	<u>fresh</u>	<u>110 ft</u>

## Well Log

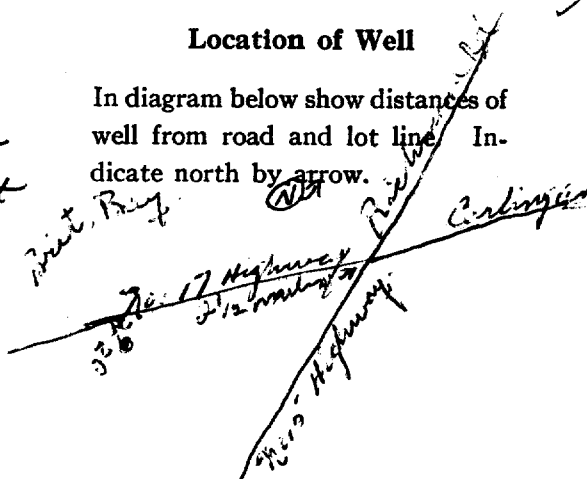
### Overburden and Bedrock Record

From To

Overburden and Bedrock Record	From	To
<u>clay</u>	<u>0 ft.</u>	<u>50 ft.</u>
<u>sandstone</u>	<u>50 ft</u>	<u>59 ft</u>
<u>limestone</u>	<u>59 ft</u>	<u>140 ft</u>

## Location of Well

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



Situation: Is well on upland, in valley, or on hillside? hillside  
 Drilling Firm Stewart & Macmillan  
 Address Brittonville, Ont  
 Name of Driller Bernard Kelly Address 107 Tapscott St  
 Date Mon March 5th 1951 Licence Number           
Bernard Kelly  
 Signature of Licensee



31250

WATER RESOURCES  
DIVISION 15 No. 4678  
NOV 30 1965  
ONTARIO WATER  
RESOURCES COMMISSION

UTM 18Z 434480E

0.9F 5022400N

Elev. 97 02100

Basin Lot 53  
County or District CHARLETON

Con. T.O.F. Lot 13

The Ontario Water Resources Commission Act

# WATER WELL RECORD

Township, Village, Town or City NEPEAN

Date completed 5 NOV 65 (day month year)

Address OTTAWA

### Casing and Screen Record

Inside diameter of casing 3  
 Total length of casing 53  
 Type of screen  
 Length of screen  
 Depth to top of screen  
 Diameter of finished hole 3

### Pumping Test

Static level 13  
 Test-pumping rate 10 G.P.M.  
 Pumping level 25  
 Duration of test pumping 2 hrs  
 Water clear or cloudy at end of test CLEAR  
 Recommended pumping rate 5 G.P.M.  
 with pump setting of 100 feet below ground surface

### Well Log

#### Overburden and Bedrock Record

TOP SOIL 0 3  
 SAND, GRAVEL - BOULDERS 3 51  
 LIMESTONE 51 136

### Water Record

From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
0	3		
3	51		
51	136	130	FRESH

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

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

Drilling or Boring Firm F.R. CASSETTE

Address OTTAWA

Licence Number 1632

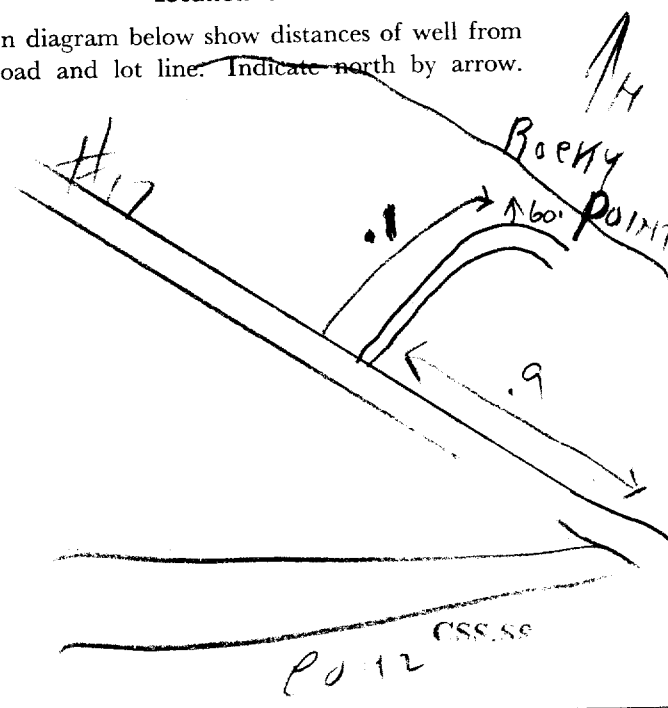
Name of Driller or Borer SAME

Address

Date 11/19/65  
J.P. Cassette (Signature of Licensed Drilling or Boring Contractor)

### Location of Well

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



OF  
Cont  
Lot 12

182 434170 CODED  
4R 5022240



1510227  
3 9

P

The Ontario Water Resources Commission Act

lev. 5R 0210 **WATER WELL RECORD**

County or District 135 CARLETON Township, Village, Town or City NEPEAN  
 Con. 1. O.F. Lot 12 Date completed 5 JULY 1969  
 (day month year)  
 Address 3415 CARLING AVE

**Casing and Screen Record**

Inside diameter of casing 3"  
 Total length of casing .....  
 Type of screen .....  
 Length of screen .....  
 Depth to top of screen .....  
 Diameter of finished hole 2"

DIVISION OF  
WATER RESOURCES  
OCT 30 1969  
ONTARIO WATER  
RESOURCES COMMISSION

**Pumping Test**

Static level 17'  
 Test-pumping rate 12 GAL G.P.M.  
 Pumping level 22'  
 Duration of test pumping 2 HRS  
 Water clear or cloudy at end of test CLEAR  
 Recommended pumping rate 12 GAL G.P.M.  
 with pump setting of 22' feet below ground surface

**Well Log**

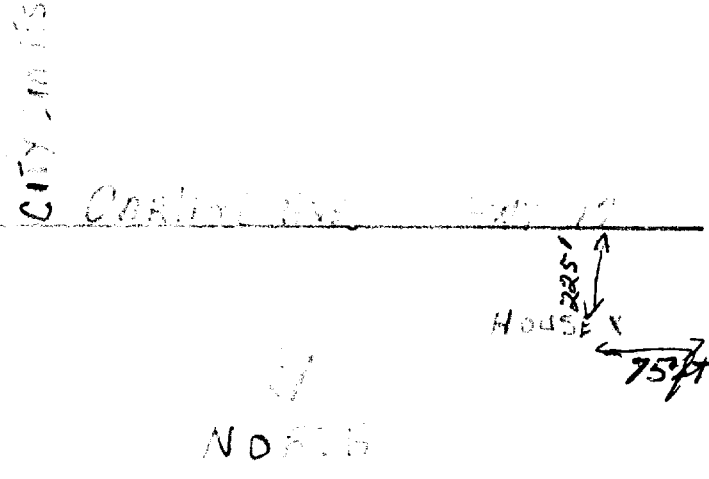
**Water Record**

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>CLAY</u>	<u>0</u>	<u>20'</u>		
<u>LIMESTONE</u>	<u>20'</u>	<u>68'</u>	<u>68'</u>	<u>FRESH</u>

For what purpose(s) is the water to be used? HOUSE  
 Is well on upland, in valley, or on hillside? VALLEY  
 Drilling or Boring Firm W.A. DEEVEY  
2898 HAUGHTON ST  
 Address OTTAWA 14  
ONT  
 Licence Number 3414  
 Name of Driller or Borer W.A. DEEVEY  
 Address 2898 HAUGHTON ST  
 Date JULY 5 1969  
W.A. Deevy  
 (Signature of Licensed Drilling or Boring Contractor)

**Location of Well**

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



**Well Location**

Address of Well Location (Street Number/Name) 233 Elterwater Ave		Township	Lot	Concession
County/District/Municipality		City/Town/Village Ottawa	Province Ontario	Postal Code
UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number
NAD 83	18	434586	5022407	

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
Brn	Sand	silt	soft dry	0	1.5
Gry	Clay	silt	soft dry	1.5	3.66
Gry	Clay	silt	soft wet	3.66	6.1

Annular Space			Volume Placed (m³/ft³)
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)		
0 to 0.31	Flushmount		
0.31 to 2.74	Benseal		
2.74 to 6.1	Sand		

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

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

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____
			From	To	
4.03	PVC	0.368	0	3.1	

Construction Record - Screen					
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		<input type="checkbox"/> Other, specify _____
			From	To	
4.82	PVC	10	3.1	6.1	

Water Details		Hole Diameter		
Water found at Depth (m/ft) <input type="checkbox"/> Gas	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Other, specify _____	Depth (m/ft) From	To	Diameter (cm/in)
Water found at Depth (m/ft) <input type="checkbox"/> Gas	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Other, specify _____	0	6.8	8.25
Water found at Depth (m/ft) <input type="checkbox"/> Gas	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Other, specify _____			

Well Contractor and Well Technician Information			
Business Name of Well Contractor Strata Soil Sampling		Well Contractor's Licence No. 712411	
Business Address (Street Number/Name) 147-2 W. Beaver Creek		Municipality Richmond Hill	
Province ON	Postal Code L4B1C6	Business E-mail Address wrecord@stratasoil.com	
Bus. Telephone No. (inc. area code) 9057649304	Name of Well Technician (Last Name, First Name) Beath Brian		
Well Technician's Licence No. 3616	Signature of Technician and/or Contractor 		Date Submitted 2011/12/20

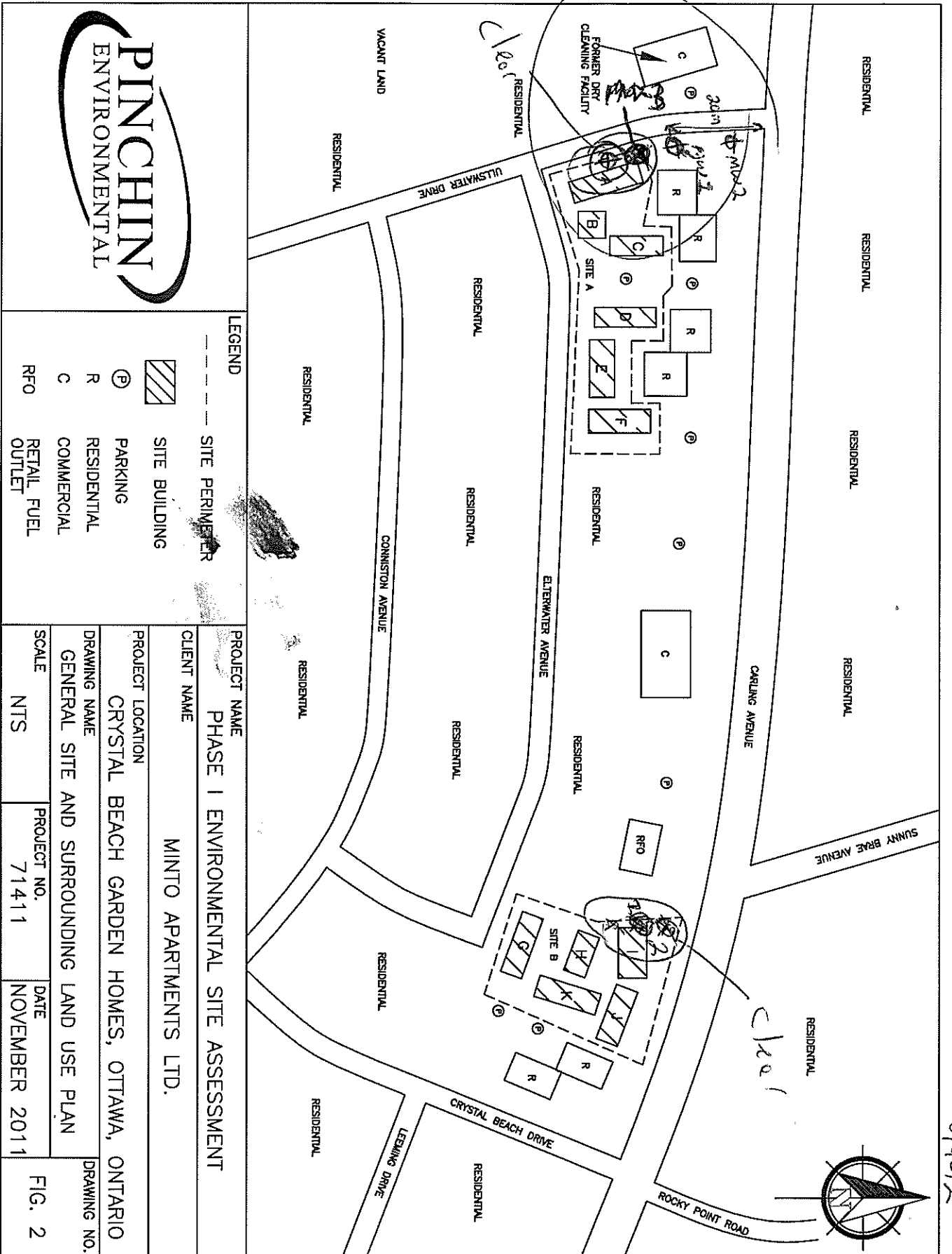
**Map of Well Location**

Please provide a map below following instructions on the back.

Comments:

Well owner's information package delivered	Date Package Delivered	Ministry Use Only
<input type="checkbox"/> Yes	YYYYMMDD 2011/12/20	Audit No. Z134432
<input type="checkbox"/> No	Date Work Completed	Received FEB 17 2012

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0442



**LEGEND**

	SITE PERIMETER
	SITE BUILDING
	PARKING
	RESIDENTIAL
	COMMERCIAL
	RETAIL FUEL OUTLET

<b>PROJECT NAME</b>	
PHASE I ENVIRONMENTAL SITE ASSESSMENT	
<b>CLIENT NAME</b>	
MINTO APARTMENTS LTD.	
<b>PROJECT LOCATION</b>	
CRYSTAL BEACH GARDEN HOMES, OTTAWA, ONTARIO	
<b>DRAWING NAME</b>	
GENERAL SITE AND SURROUNDING LAND USE PLAN	
<b>SCALE</b>	<b>DRAWING NO.</b>
NTS	FIG. 2
<b>PROJECT NO.</b>	<b>DATE</b>
71411	NOVEMBER 2011

2134430  
2134431  
2134430  
2145342

FEB 17 2012



<b>Well Location</b>			
Address of Well Location (Street Number/Name) 233 Elterwater Ave		Township	Lot
County/District/Municipality		City/Town/Village Oshawa	Concession
UTM Coordinates		Province Ontario	Postal Code
Zone	Easting	Northing	Municipal Plan and Sublot Number
NAD 83	1843456550	223914	Other

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)					
General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
Brown	Sand	Silt	soft, dry	0	1.5
Grey	Clay	Silt	soft, dry	1.5	3.66
Grey	clay	Silt	soft, wet	3.66	6.1

Annular Space			
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)	
From	To		
0	.31 Concrete flushmount		
.31	2.74 Benseal		
2.74	6.1 Sand		

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

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

Construction Record - Casing			Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)	
			From	To
4.03	PVC	.368	0	3.1

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

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

Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Depth (m/ft)	Diameter (cm/in)
		From	To
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	0	6.1
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____		8.25

Well Contractor and Well Technician Information			
Business Name of Well Contractor Strata soil sampling		Well Contractor's Licence No. 7121411	
Business Address (Street Number/Name) 147-2 W. Beaver Creek		Municipality Richmond Hill	
Province ON	Postal Code L4B1C6	Business E-mail Address wrecords@strataoil.com	

Bus. Telephone No. (inc. area code) 9057649304	Name of Well Technician (Last Name, First Name) Beatty Brian	Well Technician's Licence No. 3616	Signature of Technician and/or Contractor 	Date Submitted 2011/12/20
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Map of Well Location	
Please provide a map below following instructions on the back.	
Comments:	
Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered YYYYMMDD 2011/12/20
Date Work Completed YYYYMMDD 2011/12/20	
<b>Ministry Use Only</b> Audit No. Z138897 FEB 17 2012 Received	



**Well Location**

Address of Well Location (Street Number/Name): 123 Ullswater Dr.  
 Township: \_\_\_\_\_ Lot: \_\_\_\_\_ Concession: \_\_\_\_\_  
 County/District/Municipality: \_\_\_\_\_ City/Town/Village: Ottawa  
 Province: Ontario Postal Code: \_\_\_\_\_  
 UTM Coordinates: Zone: 18 Easting: 434213 Northing: 5022279  
 Municipal Plan and Sublot Number: \_\_\_\_\_ Other: \_\_\_\_\_

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
Blk	Top Soil		soft, dry	0	.91
Brn	Sand	clay	soft, dry	.91	3.66
Gr	Sand	clay	soft, wet	3.66	5.79

**Annular Space**

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0 to .31	Concrete / flushmount	
.31 to 2.74	Benseal	
2.74 to 5.79	Sand	

**Results of Well Yield Testing**

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

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used  
 Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering  
 Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring  
 Boring  Digging  Irrigation  Cooling & Air Conditioning  
 Air percussion  Industrial  
 Other, specify D.P.  Other, specify \_\_\_\_\_

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
4.03	PVC	.368	0	2.74	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
4.82	PVC	10	2.74	25.79

**Water Details**

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Hole Diameter
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Depth (m/ft): From 0 To 5.79 Diameter (cm/in): 8.25
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: Strata soil sampling  
 Well Contractor's Licence No.: 7241  
 Business Address (Street Number/Name): 147-2 W. Beaver creek  
 Municipality: Richmond Hill  
 Province: ON Postal Code: L4B1C6 Business E-mail Address: wrecords@strataoil.com

Bus. Telephone No. (inc. area code): 9057649304  
 Name of Well Technician (Last Name, First Name): Beath Brian  
 Well Technician's Licence No.: 31616  
 Signature of Technician and/or Contractor: \_\_\_\_\_  
 Date Submitted: 2011/12/20

**Map of Well Location**

Please provide a map below following instructions on the back.

See map  
MW1

Well owner's information package delivered:  Yes  No  
 Date Package Delivered: YYY Y MM DD  
 Date Work Completed: 2011/12/20

**Ministry Use Only**  
 Audit No.: Z134431  
 FEB 17 2012  
 Received: \_\_\_\_\_



Well Location

Address of Well Location (Street Number/Name) 5 Williswater Dr, Township, Lot, Concession, City/Town/Village OTTAWA, Province Ontario, Postal Code, UTM Coordinates, Municipal Plan and Sublot Number

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

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To. Rows include: BRN Silt Clay Hard, Dry 0 2.44; BRN Clay Silt Hard, moist 2.44 3.96; GRN Clay Sand Soft, wet 3.96 5.79

Annular Space table with columns: Depth Set at (m/ft) From, To; Type of Sealant Used (Material and Type); Volume Placed (m³/ft³). Rows include: 0 .31 Concrete / Flush material; .31 3.96 Bentonite; 3.96 5.79 Sand

Results of Well Yield Testing table with columns: Draw Down (Time, Water Level), Recovery (Time, Water Level). Includes sections for After test of well yield, water was; If pumping discontinued, give reason; Pump intake set at; Pumping rate; Duration of pumping; Final water level end of pumping; If flowing give rate; Recommended pump depth; Recommended pump rate; Well production; Disinfected?

Method of Construction and Well Use checkboxes. Method of Construction includes Cable Tool, Rotary, Boring, etc. Well Use includes Public, Commercial, Municipal, etc.

Construction Record - Casing table with columns: Inside Diameter (cm/in), Open Hole OR Material, Wall Thickness (cm/in), Depth (m/ft) From, To, Status of Well. Row: 4.03 PVC .368 0 3.74

Construction Record - Screen table with columns: Outside Diameter (cm/in), Material, Slot No., Depth (m/ft) From, To, Status of Well. Row: 4.82 PVC 10 3.1 5.79

Water Details and Hole Diameter tables. Water Details: Water found at Depth (m/ft), Kind of Water (Fresh, Untested, Gas). Hole Diameter: Depth (m/ft) From, To, Diameter (cm/in). Row: 0 5.79 8.25

Well Contractor and Well Technician Information. Business Name: Strata Soil Sampling, Licence No: 7121411, Address: 147-2W. Beaver Creek, Municipality: Richmond Hill, Technician: Brent Brian, Licence No: 316116, Date Submitted: 2011/12/20

Map of Well Location section with handwritten text 'See Map MW 2' and 'Comments:'. Includes Ministry Use Only section with Audit No. 2134430 and date FEB 17 2012.

A1777211

**Well Location**

Address of Well Location (Street Number/Name) 5 Williams Dr		Township	Lot	Concession	
County/District/Municipality		City/Town/Village Ottawa	Province Ontario	Postal Code	
UTM Coordinates NAD 83	Zone 18	Easting 434215	Northing 5022281	Municipal Plan and Sublot Number	
Other					

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
B/K	Top Soil			0	0.91
Bn	Sand	clay		0.91	2.44
Gr	Sand	clay		2.44	4.57

Annular Space			
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)	
From To			
0 1.5	Bentonite		
1.5 4.57	Sand		

Method of Construction		Well Use	
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input type="checkbox"/> Test Hole
<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning
<input type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial	
<input type="checkbox"/> Other, specify		<input type="checkbox"/> Other, specify	

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify <input type="checkbox"/> Other, specify
			From	To	
4.03	Plastic	368	0	1.5	

Construction Record - Screen				
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
4.82	Plastic	10	1.5	4.5

Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Depth (m/ft) From To	Diameter (cm/in)
		0 4.57	8.25

Well Contractor and Well Technician Information			
Business Name of Well Contractor Stata Soil Sampling		Well Contractor's Licence No. 72411	
Business Address (Street Number/Name) 2-147 West Beaver Creek		Municipality Richmond Hill	
Province ON	Postal Code L4B1C6	Business E-mail Address wrecords@statasoil.com	
Bus. Telephone No. (inc. area code) 905-704-9304	Name of Well Technician (Last Name, First Name) Mike		
Well Technician's Licence No. 3448	Signature of Technician and/or Contractor <i>Mike</i>		Date Submitted 20120120

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

**Map of Well Location**

Please provide a map below following instructions on the back.

See Map  
MW3

Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered Y Y Y Y M M D D 2012 1 20	<b>Ministry Use Only</b> Audit No. Z145342 FEB 17 2012 Received
	Date Work Completed 2012 1 20	



Measurements recorded in:  Metric  Imperial

A141802

Tag#: A141802

Address of Well Location (Street Number/Name) 4 Crystal Beach Dr. Township \_\_\_\_\_ Lot \_\_\_\_\_ Concession \_\_\_\_\_

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

UTM Coordinates Zone 83 Easting 184395875022404 Northing \_\_\_\_\_ Municipal Plan and Sublot Number \_\_\_\_\_ Other \_\_\_\_\_

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
BRN	top soil		soft	0	0.31
BRN	clay	sand	soft	0.31	1.88
GRY	clay	silt	soft	1.88	5.49

**Annular Space**

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
0	0.31	concrete / Kushmont	
0.31	2.13	bentonite	
2.13	5.49	Riter sand	

**Results of Well Yield Testing**

After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:  Pump intake set at (m/ft) _____  Pumping rate (l/min / GPM) _____  Duration of pumping _____ hrs + _____ min  Final water level end of pumping (m/ft) _____  If flowing give rate (l/min / GPM) _____	Static Level			
	1		1	
	2		2	
	3		3	
	4		4	
	5		5	
10		10		
15		15		
20		20		
25		25		
30		30		
40		40		
50		50		
60		60		

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used  
 Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering  
 Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring  
 Boring  Digging  Irrigation  Cooling & Air Conditioning  
 Air percussion  Industrial  
 Other, specify Direct Push  Other, specify \_\_\_\_\_

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
10.16	PVC		0	2.44	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
	PVC	10	2.44	5.49

**Water Details**

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Hole Diameter		Diameter (cm/in)
		Depth (m/ft) From	Depth (m/ft) To	
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	0	5.49	30.48
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____			
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____			

**Well Contractor and Well Technician Information**

Business Name of Well Contractor Strata Soil Sampling Inc. Well Contractor's Licence No. 7241

Business Address (Street Number/Name) 147-2 West Beaver Creek Road Municipality Richmond Hill

Province Ontario Postal Code L4B 1C6 Business E-mail Address wrecords@stratasoil.com

Bus. Telephone No. (inc. area code) 905-764-9304 Name of Well Technician (Last Name, First Name) McCoy, JAMES

Well Technician's Licence No. 3656 Signature of Technician and/or Contractor \_\_\_\_\_ Date Submitted 2013 03 15

**Map of Well Location**

Please provide a map below following instructions on the back.

MW-3  
see Map

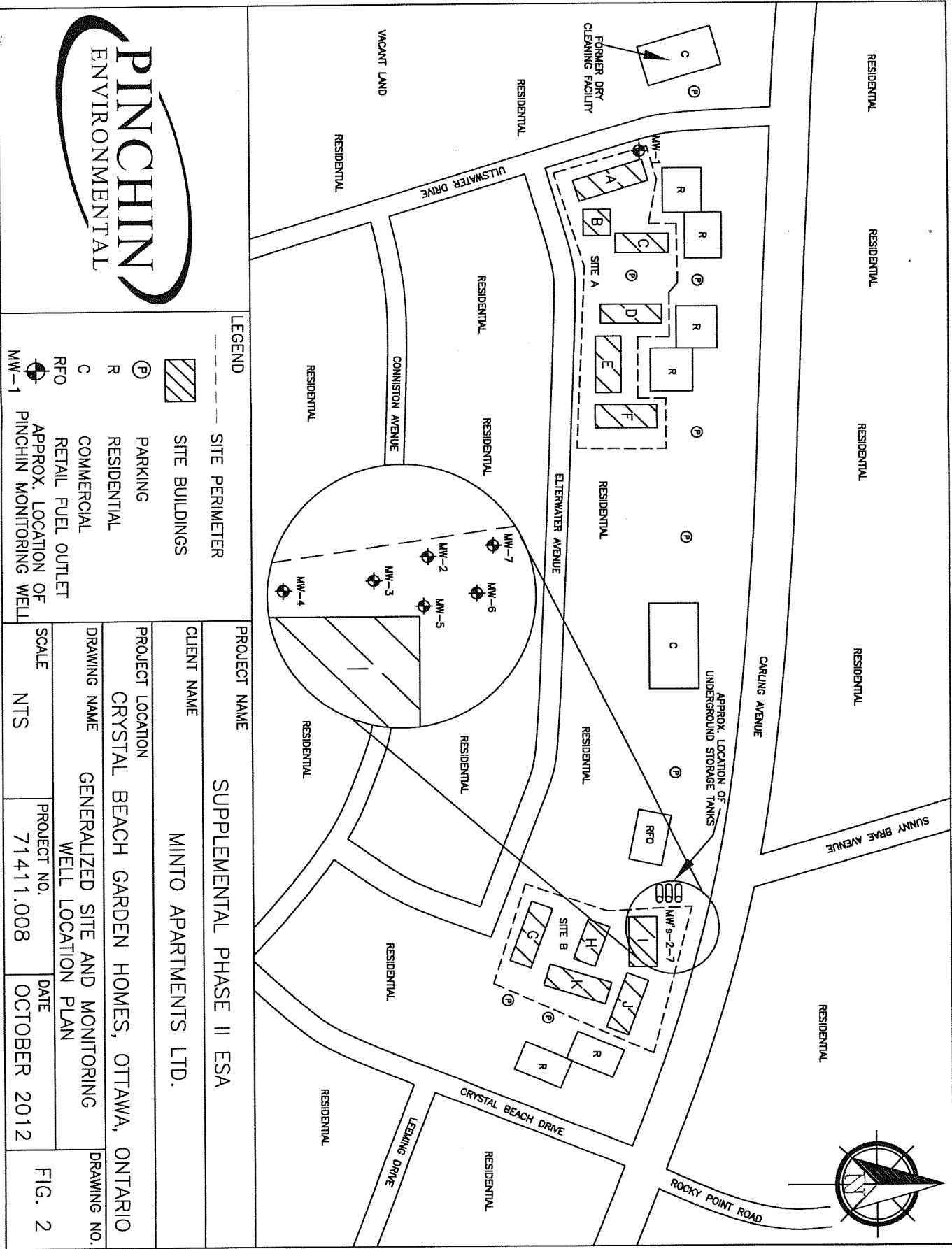
Comments: \_\_\_\_\_

Well owner's information package delivered <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date Package Delivered Y Y Y Y M M D D D <u>2013 02 26</u>	<b>Ministry Use Only</b> Audit No. <b>Z 164316</b> MAD 9 11 9912 Received
--	--	---

S-13405

MAR 20 2013

C-7241 2164316





S-13 + 03

Measurements recorded in:  Metric  Imperial

A141801

Tag#: A141801

Address of Well Location (Street Number/Name) 9 Crystal Beach Dr. Township \_\_\_\_\_ Lot \_\_\_\_\_ Concession \_\_\_\_\_

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

UTM Coordinates Zone Easting Northing Municipal Plan and Sublot Number Other

NAD 83 18 434589 5022407

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)				
General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From To
BRN	top soil		soft	0 .31
BRN	clay	sand	soft	.31 2.13
GRY	clay	silt	soft	2.13 5.49

Annular Space		
Depth Set at (m/ft) From To	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
0 .31	flush mount concrete	
.31 2.13	ben tonite	
2.13 5.49	other sand	

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

Method of Construction	Well Use
<input type="checkbox"/> Cable Tool <input type="checkbox"/> Rotary (Conventional) <input type="checkbox"/> Rotary (Reverse) <input checked="" type="checkbox"/> Boring <input type="checkbox"/> Air percussion <input type="checkbox"/> Other, specify _____	<input type="checkbox"/> Public <input type="checkbox"/> Domestic <input type="checkbox"/> Livestock <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Other, specify _____
<input type="checkbox"/> Diamond <input type="checkbox"/> Jetting <input type="checkbox"/> Driving <input type="checkbox"/> Digging <input type="checkbox"/> Direct Push	<input type="checkbox"/> Commercial <input type="checkbox"/> Municipal <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Cooling & Air Conditioning <input checked="" type="checkbox"/> Monitoring

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____
			From	To	
10.16	PVC	1	0	2.49	

Construction Record - Screen				
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
10.65	PVC	10	2.49	5.49

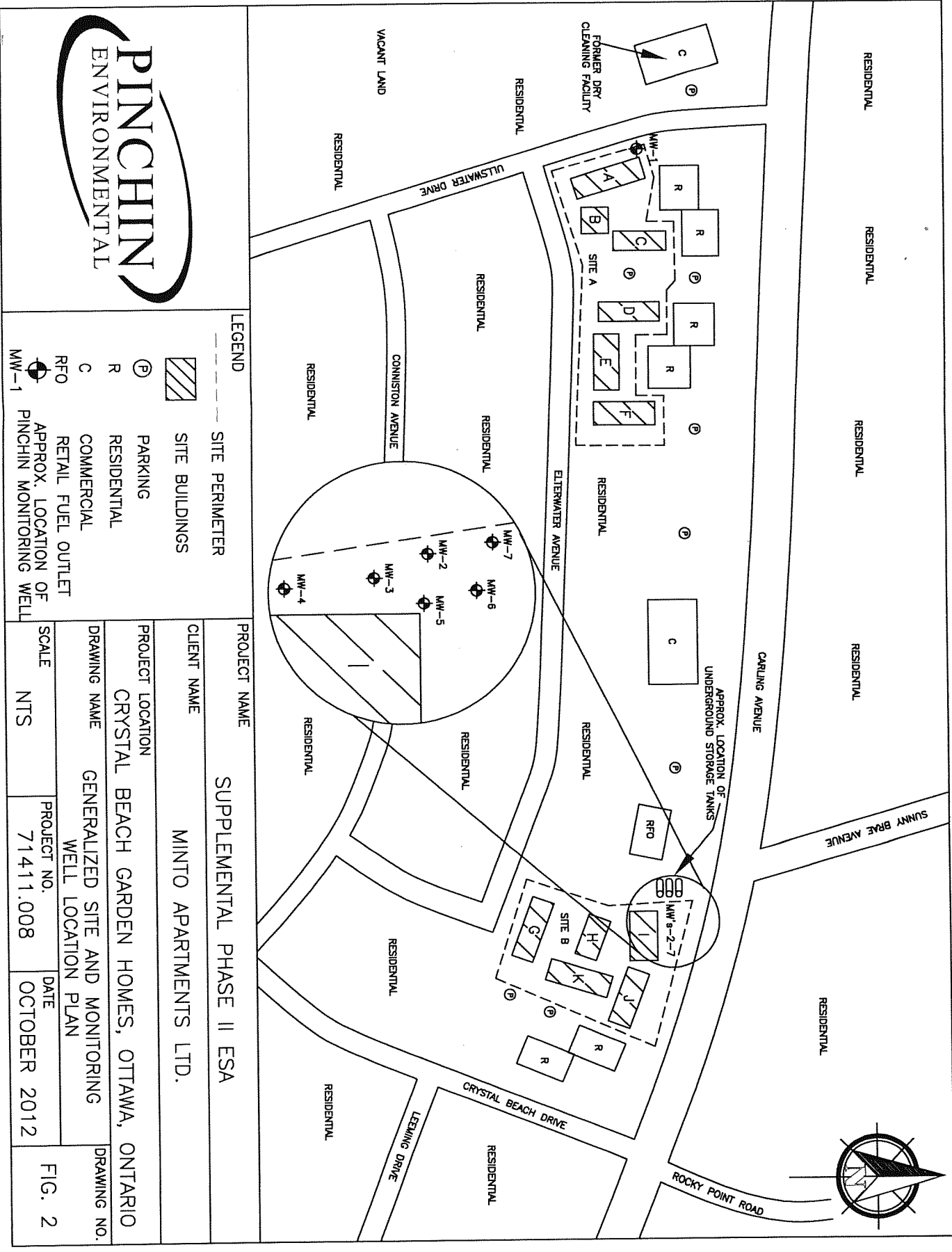
Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Depth (m/ft) From To	Diameter (cm/in)
		0 5.49	30.48

Well Contractor and Well Technician Information			
Business Name of Well Contractor <u>Strata Soil Sampling Inc.</u>		Well Contractor's Licence No. <u>7 2 4 1</u>	
Business Address (Street Number/Name) <u>147-2 West Beaver Creek Road</u>		Municipality <u>Richmond Hill</u>	
Province <u>Ontario</u>	Postal Code <u>L4B 1C6</u>	Business E-mail Address <u>wrecords@stratasoil.com</u>	
Bus. Telephone No. (inc. area code) <u>905-764-9304</u>	Name of Well Technician (Last Name, First Name) <u>MICHAEL JAMES</u>		
Well Technician's Licence No. <u>316556</u>	Signature of Technician and/or Contractor <u>[Signature]</u>	Date Submitted <u>20130226</u>	

Map of Well Location	
Please provide a map below following instructions on the back.	
<u>MW-5</u> <u>see Map</u>	
Comments:	

Well owner's information package delivered <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date Package Delivered Y Y Y Y M M D D <u>20130226</u>	Ministry Use Only	
		Date Work Completed	Audit No. <b>Z 164460</b>

S-15403



<p><b>PINCHIN ENVIRONMENTAL</b></p>	
<p><b>LEGEND</b></p> <ul style="list-style-type: none"> <li> SITE PERIMETER</li> <li> SITE BUILDINGS</li> <li> PARKING</li> <li> RESIDENTIAL</li> <li> COMMERCIAL</li> <li> RETAIL FUEL OUTLET</li> <li> APPROX. LOCATION OF PINCHIN MONITORING WELL</li> </ul>	
<p><b>PROJECT NAME</b> SUPPLEMENTAL PHASE II ESA</p>	
<p><b>CLIENT NAME</b> MINTO APARTMENTS LTD.</p>	
<p><b>PROJECT LOCATION</b> CRYSTAL BEACH GARDEN HOMES, OTTAWA, ONTARIO</p>	
<p><b>DRAWING NAME</b> GENERALIZED SITE AND MONITORING WELL LOCATION PLAN</p>	
<p><b>DRAWING NO.</b> FIG. 2</p>	
<p><b>SCALE</b> NTS</p>	<p><b>PROJECT NO.</b> 71411.008</p>
<p><b>DATE</b> OCTOBER 2012</p>	

C-7241 2164468

MAR 20 2013



Measurements recorded in:  Metric  Imperial

Tag#: A141806 A141806

Page \_\_\_\_\_ of \_\_\_\_\_

Address of Well Location (Street Number/Name) 4 Crystal Beach Rd.		Township	Lot	Concession
County/District/Municipality		City/Town/Village Ottawa	Province Ontario	Postal Code
UTM Coordinates NAD 83	Zone 18	Easting 434585	Northing 5022410	Municipal Plan and Sublot Number
Other				

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)					
General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
Brown	topsoil	clay	soft	0	2.13
Grey	Clay	silt	soft	2.13	6.1

Annular Space			
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)	
From	To		
0	31	Flushmont/concrete	
31	274	Benseal	
274	6.1	Sand	

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

Method of Construction		Well Use	
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input checked="" type="checkbox"/> Test Hole
<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input checked="" type="checkbox"/> Monitoring
<input type="checkbox"/> Air percussion	<input type="checkbox"/> Digging	<input type="checkbox"/> Industrial	<input type="checkbox"/> Cooling & Air Conditioning
<input checked="" type="checkbox"/> Other, specify Direct Push		<input type="checkbox"/> Other, specify _____	

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____
			From	To	
4.03	plastic	368	0	3.1	

Construction Record - Screen					
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		<input type="checkbox"/> Other, specify _____
			From	To	
4.81	plastic	10	3.1	6.1	

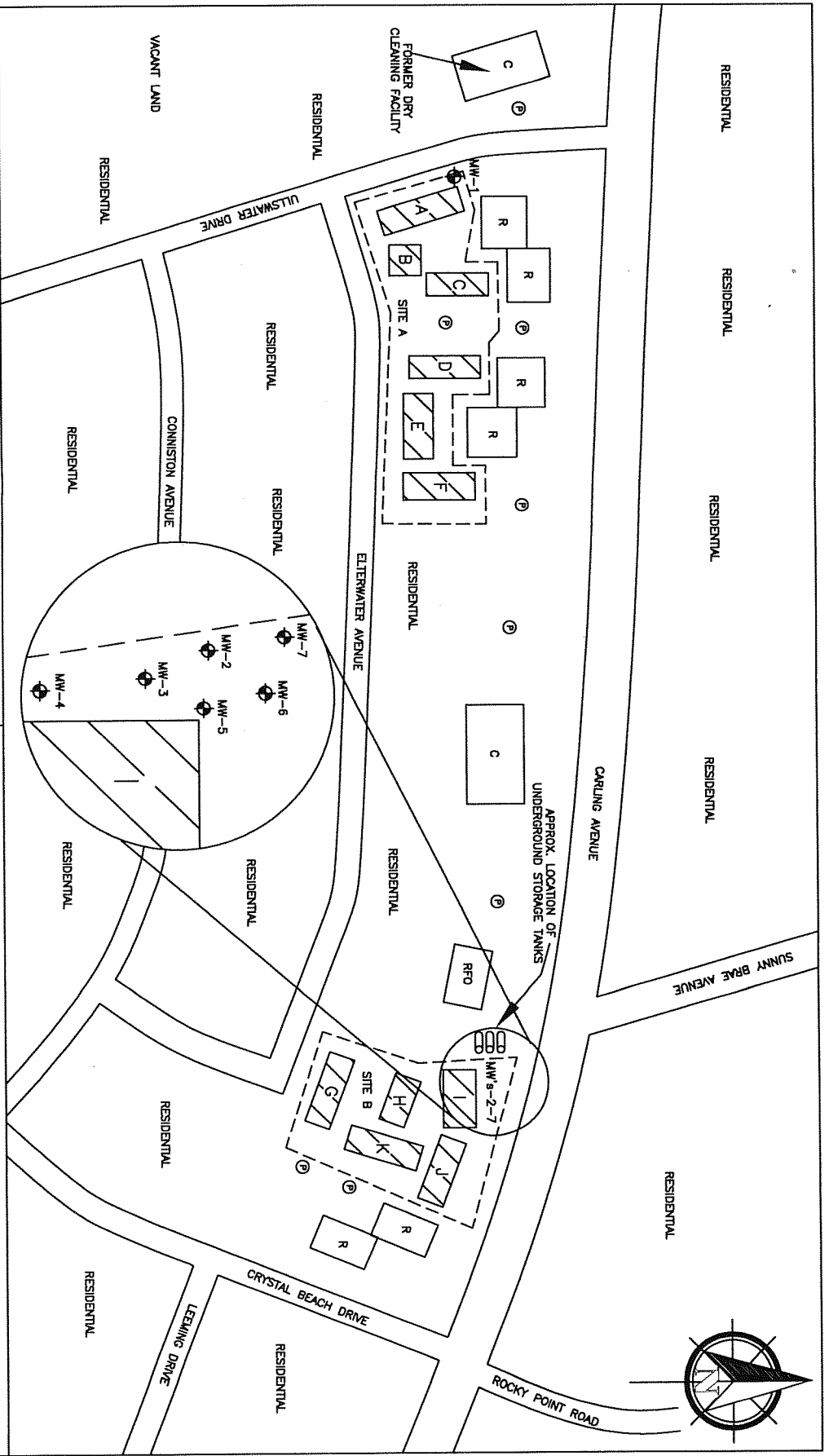
Water Details		Hole Diameter		
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Depth (m/ft)	Diameter (cm/in)	
0		From	To	
0		0	6.1	8.25

Well Contractor and Well Technician Information			
Business Name of Well Contractor Strata Soil Sampling Inc.		Well Contractor's Licence No. 7 2 4 1	
Business Address (Street Number/Name) 147-2 West Beaver Creek Road		Municipality Richmond Hill	
Province Ontario	Postal Code L4B 1G6	Business E-mail Address wrecords@stratasoil.com	

Well Contractor and Well Technician Information			
Bus. Telephone No. (inc. area code) 905-764-9304	Name of Well Technician (Last Name, First Name) Parsons Robert		
Well Technician's Licence No. 3 2 2 2	Signature of Technician and/or Contractor <i>[Signature]</i>	Date Submitted 20130315	

Map of Well Location		
Please provide a map below following instructions on the back.		
Labelled MW-6 on Map		
Well owner's information package delivered <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date Package Delivered Y Y Y Y / M / M / D / D 20130327	Date Work Completed 20130327
Ministry Use Only		Received
Audit No. Z164463		2 MAR 20 2013

S-13703



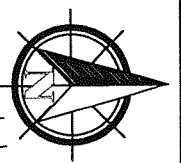
LEGEND

	SITE PERIMETER
	SITE BUILDINGS
	PARKING
	RESIDENTIAL
	COMMERCIAL
	RETAIL FUEL OUTLET
	APPROX. LOCATION OF PINCHIN MONITORING WELL

PROJECT NAME		SUPPLEMENTAL PHASE II ESA	
CLIENT NAME		MINTO APARTMENTS LTD.	
PROJECT LOCATION		CRYSTAL BEACH GARDEN HOMES, OTTAWA, ONTARIO	
DRAWING NAME		GENERALIZED SITE AND MONITORING WELL LOCATION PLAN	
SCALE	PROJECT NO.	DATE	DRAWING NO.
NTS	71411.008	OCTOBER 2012	FIG. 2

C-2241 2164463

MAR 20 2013





Measurements recorded in:  Metric  Imperial

Address of Well Location (Street Number/Name): 4 Crystal Beach Rd.  
 Township: \_\_\_\_\_ Lot: \_\_\_\_\_ Concession: \_\_\_\_\_  
 County/District/Municipality: \_\_\_\_\_ City/Town/Village: \_\_\_\_\_ Province: Ontario Postal Code: \_\_\_\_\_  
 UTM Coordinates: Zone Easting Northing: NAD 83 18 43458 35022409  
 Municipal Plan and Sublot Number: \_\_\_\_\_ Other: \_\_\_\_\_

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Brown	Topsoil	clay	soft	0	2.13

**Annular Space**

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	0.31	Flushed / sand	
0.31	2.13	Base	
2.13	5.49	S.A.	

**Results of Well Yield Testing**

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

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used  
 Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering  
 Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring  
 Boring  Digging  Irrigation  Cooling & Air Conditioning  
 Air percussion  Industrial  
 Other, specify Direct Push  Other, specify \_\_\_\_\_

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
4.03	plastic	368	0	2.44	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify <input type="checkbox"/> Other, specify _____

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		Status of Well
			From	To	
4.82	plastic	10	2.44	5.49	<input type="checkbox"/> Other, specify _____

**Water Details**

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Hole Diameter	
		Depth (m/ft) From	Depth (m/ft) To
		0	5.49
			8.25

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: Strata Soil Sampling Inc. Well Contractor's Licence No.: 7241  
 Business Address (Street Number/Name): 147-2 West Beaver Creek Road Municipality: Richmond Hill  
 Province: Ontario Postal Code: L4B 1C6 Business E-mail Address: wrecords@stratasoil.com

Bus. Telephone No. (inc. area code): 905-764-9304 Name of Well Technician (Last Name, First Name): PARSAN ROBERT  
 Well Technician's Licence No.: 3722 Signature of Technician and/or Contractor: [Signature] Date Submitted: 2013/03/15

**Map of Well Location**

Please provide a map below following instructions on the back.

well located on map

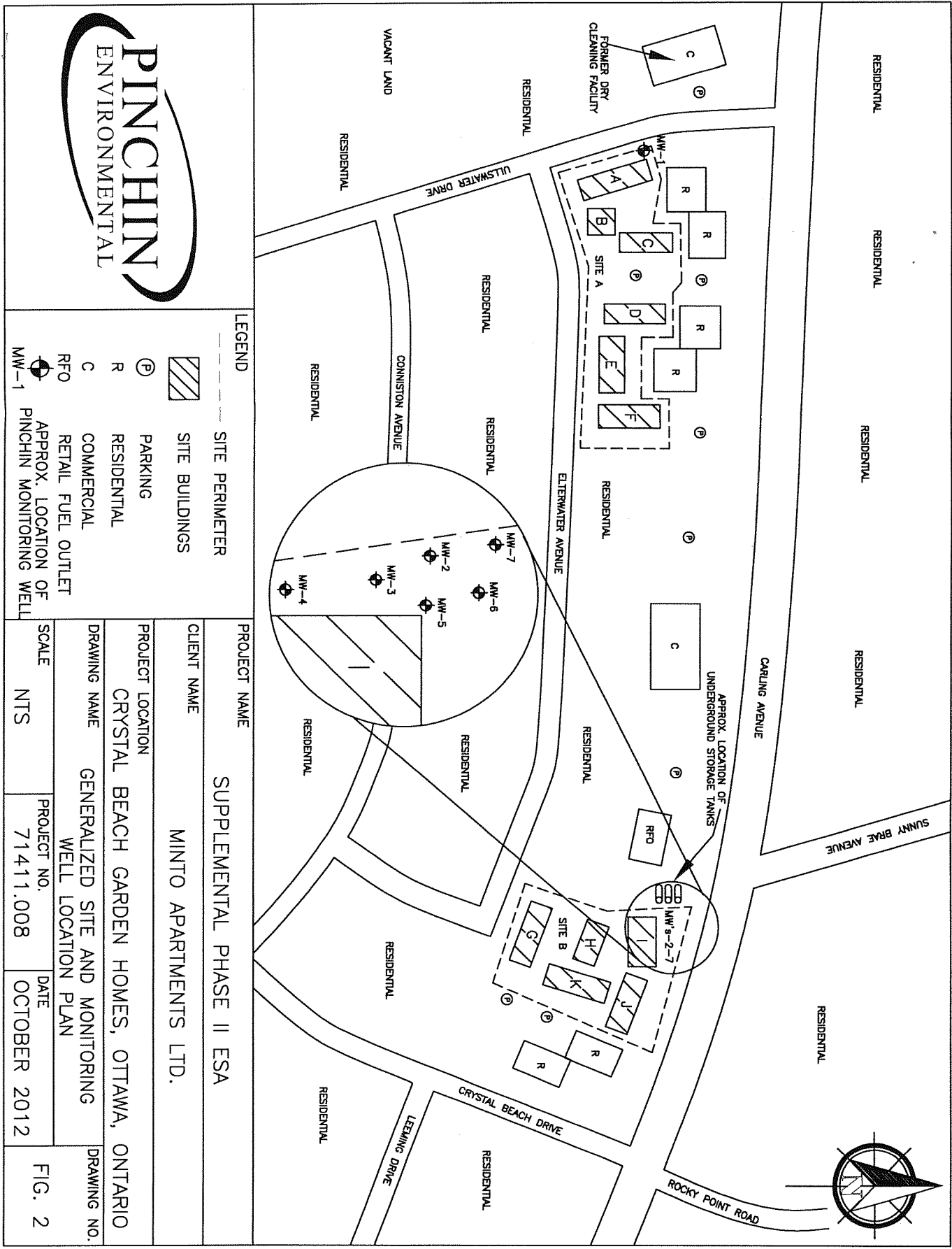
Comments:

Well owner's information package delivered:  Yes  No  
 Date Package Delivered: 2013/02/27  
 Date Work Completed: 2013/02/27

**Ministry Use Only**

Audit No.: Z164424  
 Received: MAR 20 2013

S-13703



MAR 20 2013

C-2241 2164424

Measurements recorded in:  Metric  Imperial

A141803

Tag#: A141803

Page \_\_\_\_\_ of \_\_\_\_\_

Address of Well Location (Street Number/Name) 4 Crystal Beach Dr.		Township	Lot	Concession
County/District/Municipality		City/Town/Village Ottawa	Province Ontario	Postal Code
UTM Coordinates	Zone Easting 18 4 34	Northing 583 502 2406	Municipal Plan and Sublot Number	
NAD 83			Other	

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)				
General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From To
BRN	top soil		soft	0 .31
BRN	clay	sand	soft	.31 2.13
GRY	clay	silt	soft	2.13 5.49

Annular Space		
Depth Set at (m/ft) From To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0 31	concrete/flush mouth	
.31 2.13	bentonite	
2.13 5.49	filter sand	

Method of Construction		Well Use	
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input type="checkbox"/> Test Hole
<input checked="" type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning
<input type="checkbox"/> Air percussion	<input type="checkbox"/> Direct Push	<input type="checkbox"/> Industrial	<input type="checkbox"/> Monitoring
<input type="checkbox"/> Other, specify _____		<input type="checkbox"/> Other, specify _____	

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

Construction Record - Casing			Status of Well		
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From To		
10.16	PVC		0 2.49	<input type="checkbox"/> Water Supply	
				<input type="checkbox"/> Replacement Well	
				<input checked="" type="checkbox"/> Test Hole	
				<input type="checkbox"/> Recharge Well	
				<input type="checkbox"/> Dewatering Well	
				<input type="checkbox"/> Observation and/or Monitoring Hole	
				<input type="checkbox"/> Alteration (Construction)	
				<input type="checkbox"/> Abandoned, Insufficient Supply	
				<input type="checkbox"/> Abandoned, Poor Water Quality	
				<input type="checkbox"/> Abandoned, other, specify _____	
				<input type="checkbox"/> Other, specify _____	

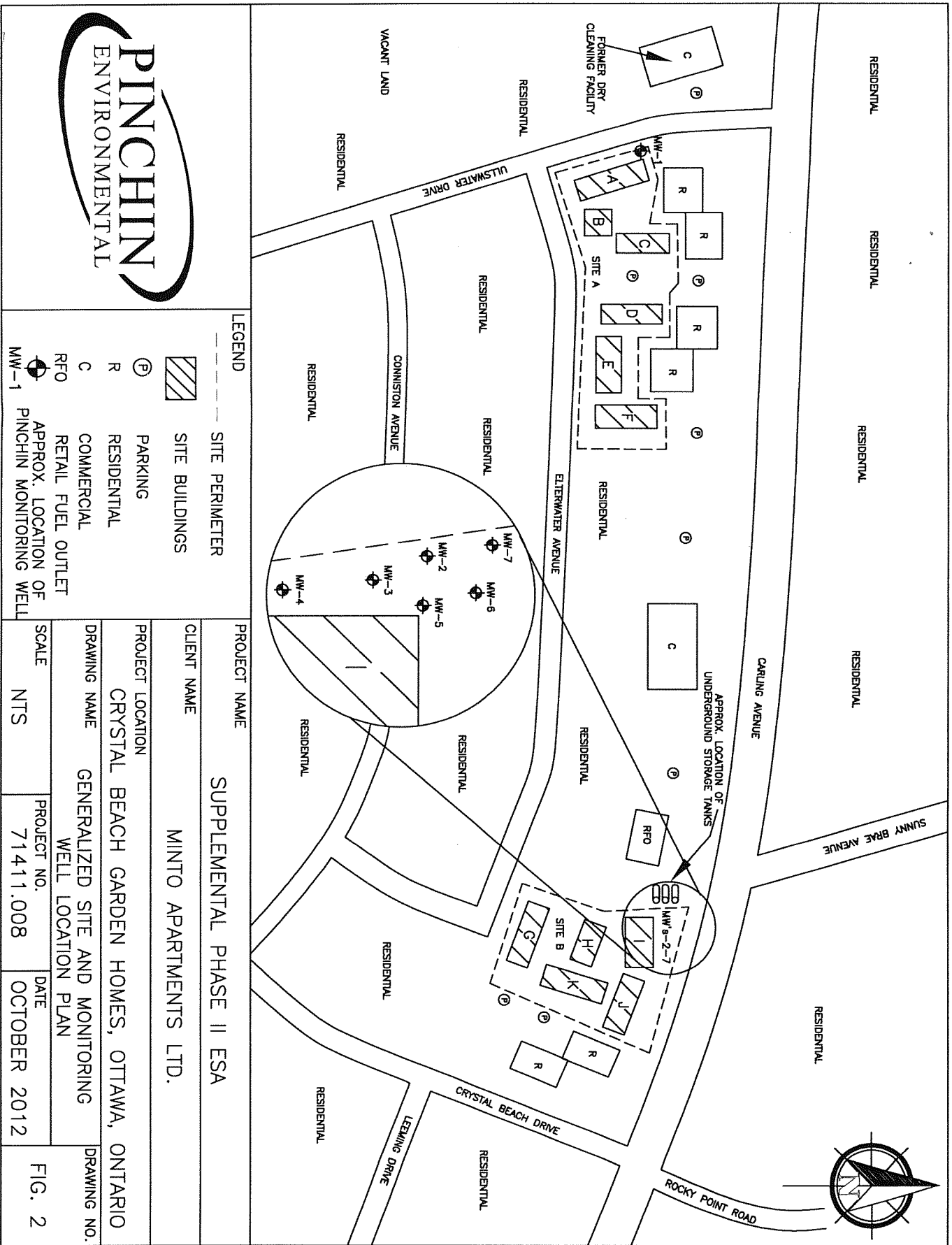
Construction Record - Screen			
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From To
	PVC	10	2.49 5.49

Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Depth (m/ft) From To	Diameter (cm/in)
		0 5.49	30.48

Well Contractor and Well Technician Information			
Business Name of Well Contractor Strata Soil Sampling Inc.		Well Contractor's Licence No. 7 2 4 1	
Business Address (Street Number/Name) 147-2 West Beaver Creek Road		Municipality Richmond Hill	
Province Ontario	Postal Code L4B 1C6	Business E-mail Address wrecords@stratasoil.com	
Bus. Telephone No. (inc. area code) 905-764-9304	Name of Well Technician (Last Name, First Name) McCoy, JAMES		
Well Technician's Licence No. 3656	Signature of Technician and/or Contractor		Date Submitted 2013 03 16

Map of Well Location	
Please provide a map below following instructions on the back.	
<p>MWT See Map</p>	
Comments:	
Well owner's information package delivered <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date Package Delivered Y Y Y Y M M D D D Date Work Completed 2013 02 29
<b>Ministry Use Only</b> Audit No. Z 164457 MAR 20 2013	

S-13703



**LEGEND**

	SITE PERIMETER
	SITE BUILDINGS
	PARKING
	RESIDENTIAL
	COMMERCIAL
	RETAIL FUEL OUTLET
	APPROX. LOCATION OF PINCHIN MONITORING WELL

<b>PROJECT NAME</b>		SUPPLEMENTAL PHASE II ESA	
<b>CLIENT NAME</b>		MINTO APARTMENTS LTD.	
<b>PROJECT LOCATION</b>		CRYSTAL BEACH GARDEN HOMES, OTTAWA, ONTARIO	
<b>DRAWING NAME</b>		GENERALIZED SITE AND MONITORING WELL LOCATION PLAN	
<b>SCALE</b>	NTS	<b>PROJECT NO.</b>	71411.008
		<b>DATE</b>	OCTOBER 2012
			<b>DRAWING NO.</b>
			FIG. 2

C-7241 2164457

MAP 20 2013

Measurements recorded in:  Metric  Imperial

51130 Page \_\_\_\_\_ of \_\_\_\_\_

Address of Well Location (Street Number/Name): 3420 Carling Av  
 Township: \_\_\_\_\_ Lot: \_\_\_\_\_ Concession: \_\_\_\_\_  
 County/District/Municipality: \_\_\_\_\_ City/Town/Village: Ottawa  
 Province: Ontario Postal Code: \_\_\_\_\_  
 UTM Coordinates: Zone Easting Northing: NAD 83 18 43 45 30 50 22 40 3  
 Municipal Plan and Sublot Number: \_\_\_\_\_ Other: \_\_\_\_\_

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
Blk	Gravel	Asphalt	hard, compact	0	0.31
BRN	Sand		loose, moist	0.31	1.5
GRY	Silt	Clay	Soft, wet	1.5	4.57

**Annular Space**

Depth Set at (m/ft)	Type of Sealant Used	Volume Placed
From To	(Material and Type)	(m³/ft³)
0 0.31	Concrete / flushment	
0.31 1.22	bentonite	
1.22 4.57	Sand	

**Results of Well Yield Testing**

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

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used  
 Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering  
 Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring  
 Boring  Digging  Irrigation  Cooling & Air Conditioning  
 Air percussion  Industrial  
 Other, specify direct push  Other, specify \_\_\_\_\_

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
4.03	Plastic	0.368	0	1.5	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		Status of Well
			From	To	
4.82	Plastic	10	1.5	4.57	<input type="checkbox"/> Other, specify _____

**Water Details**

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Hole Diameter	
		Depth (m/ft)	Diameter (cm/in)
		From To	
		0 4.57	7.25

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: Strata Drilling Group  
 Well Contractor's Licence No.: 22411  
 Business Address (Street Number/Name): 147-2 West Beaver Creek Rd  
 Municipality: Richmond Hill  
 Province: ON Postal Code: L4B 1C6 Business E-mail Address: wrecords@strata-soil.ca  
 Bus. Telephone No. (inc. area code): 905 764 9304 Name of Well Technician (Last Name, First Name): Beatty Brian  
 Well Technician's Licence No.: 3616 Signature of Technician and/or Contractor: [Signature] Date Submitted: 20130531

**Map of Well Location**

Please provide a map below following instructions on the back.

See Map  
MWS

Comments:

Well owner's information package delivered:  Yes  No  
 Date Package Delivered: YYY Y MM DD  
 Date Work Completed: 20130527  
**Ministry Use Only**  
 Audit No.: Z 168615  
 Received: 05 2013

5-14138



**LEGEND**

- 3410 Carling Ave. Property Boundary
- Current UST Location
- Interpreted Extent of Former Excavation
- Historical Monitoring Well
- Historical Borehole
- Proposed Monitoring Well

**Figure 1 - Site Layout**

Scale 1:608

0 2.5 5 10 15 20 Meters

Projection: NAD 83 MTM Zone 9  
 Source: NCC, Geobase Canada, Google Earth, LIO

PROJECT No. 12-226-1

PROJECT  
 Proposal for Phase II ESA  
 3410 Carling Avenue, Ottawa

DESIGN: ADG  
 CAD/GIS: ADG  
 CHECK: KGR  
 REV: 0

DATE: 06/05/2013

**Geofirma**  
 Engineering Ltd

*Handwritten:* 5/1989/12  
 JUL 05 2013





Measurements recorded in:  Metric  Imperial

146648

5-1130

Page of

Address of Well Location (Street Number/Name) **3420 Carling Av** Township \_\_\_\_\_ Lot \_\_\_\_\_ Concession \_\_\_\_\_

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

UTM Coordinates Zone Easting Northing Municipal Plan and Sublot Number Other

NAD 83 **184345775022394**

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
BK	Top soil	Sand	Soft loose	0	.31
GA	silt	clay	Soft moist	.31	1.5
GR	silt	clay	Soft moist	1.5	4.57

**Annular Space**

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
From To		
0 .31	Concrete flush mount	
.31 1.22	bentonite	
1.22 4.57	sand	

**Results of Well Yield Testing**

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

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used

Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering

Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring

Boring  Digging  Irrigation  Cooling & Air Conditioning

Air percussion  Industrial

Other, specify **direct push**  Other, specify \_\_\_\_\_

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
4.2	Plastic	.368	0	1.5	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
4.82	Plastic	10	1.5	4.57

**Water Details**

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Depth (m/ft)	Diameter (cm/in)
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	From To	
		0 4.57	9.25

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: **Strata Drilling Group** Well Contractor's Licence No.: **72 41 1**

Business Address (Street Number/Name): **1477-2 West Beaver Creek Rd** Municipality: **Richmond Hill**

Province: **ON** Postal Code: **L4B 1G6** Business E-mail Address: **wrecords@stratasolinc.com**

Bus. Telephone No. (inc. area code): **905 764 9304** Name of Well Technician (Last Name, First Name): **Beath, Brian**

Well Technician's Licence No.: **3614** Signature of Technician and/or Contractor: *[Signature]* Date Submitted: **20130531**

**Map of Well Location**

Please provide a map below following instructions on the back.

*See Map MW 2*

Well owner's information package delivered:  Yes  No

Date Package Delivered: **2013 05 28**

Date Work Completed: **2013 05 28**

**Ministry Use Only**

Audit No.: **Z 168614**

Received: **JUL 05 2013**

5-14138

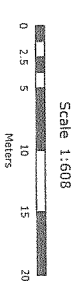


**LEGEND**

- 3410 Carling Ave.
- Property Boundary
- Current UST Location
- Interpreted Extent of Former Excavation
- Historical Monitoring Well
- Historical Borehole
- Proposed Monitoring Well

*Handwritten:*  
 11/27/12  
 2/6/86/14  
 JUL 05 2013

**Figure 1 - Site Layout**



Projection: NAD 83 MTM Zone 9  
 Source: NCC, Geobase Canada, Google Earth, LIO

PROJECT No. 12-226-1

PROJECT  
 Proposal for Phase II ESA  
 3410 Carling Avenue, Ottawa

DESIGN: ADG  
 CAD/GIS: ADG  
 CHECK: KGR  
 REV: 0  
 DATE: 06/05/2013



Address of Well Location (Street Number/Name): 3420 Carling Ave Township: \_\_\_\_\_ Lot: \_\_\_\_\_ Concession: \_\_\_\_\_  
 County/District/Municipality: \_\_\_\_\_ City/Town/Village: Ottawa Province: Ontario Postal Code: \_\_\_\_\_  
 UTM Coordinates: Zone 18 Easting 434592 Northing 5022386 Municipal Plan and Sublot Number: \_\_\_\_\_ Other: \_\_\_\_\_

Overburden and Bedrock Materials/Abandonment Sealing Record <small>(see instructions on the back of this form)</small>				
General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From To
BLK	Gravel	Asphalt	hard, compact	0 .31
GRY	Silt	Clay	SOFT, moist	.31 1.5
GRY	Silt	Clay	soft, wet	1.5 4.57

Annular Space		
Depth Set at (m/ft) From To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0 .31	Concrete / Flushment	
.31 1.22	benlate	
1.22 4.57	Sand	

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

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		
			From	To	
4.83	plastic	.368	0	1.5	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input checked="" type="checkbox"/> Recharge Well <input checked="" type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

Construction Record - Screen				
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
4.82	plastic	10	1.5	4.57

Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Depth (m/ft) From To	Diameter (cm/in)
		<del>0 3.1</del>	
		0 4.57	3.25

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: Strata Drilling Group Well Contractor's Licence No.: 2241  
 Business Address (Street Number/Name): 147-2 West Beaver Creek Rd Municipality: Richmond Hill  
 Province: ON Postal Code: L4B 1C6 Business E-mail Address: wrecords@stratadrilling.com  
 Bus. Telephone No. (inc. area code): 9057649304 Name of Well Technician (Last Name, First Name): Beatty Brian  
 Well Technician's Licence No.: 3616 Signature of Technician and/or Contractor: \_\_\_\_\_ Date Submitted: 20130531

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

**Map of Well Location**

Please provide a map below following instructions on the back.







MW 1 on Map

Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered Y Y Y Y   M M   D D <u>2013 05 28</u>	<b>Ministry Use Only</b> Audit No. <b>Z 168613</b> Received <u>JUL 05 2013</u>
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5-14138

**LEGEND**

-  3410 Carling Ave. Property Boundary
-  Current UST Location
-  Interpreted Extent of Former Excavation
-  Historical Monitoring Well
-  Historical Borehole
-  Proposed Monitoring Well

C-7241  
2168613

JUL 05 2013

**Figure 1 - Site Layout**



Projection: NAD 83 MTM Zone 9  
Source: NCC, Geobase Canada, Google Earth, LIO

PROJECT No. 12-226-1

PROJECT  
Proposal for Phase II ESA  
3410 Carling Avenue, Ottawa

DESIGN: ADG  
CAD/GIS: ADG  
CHECK: KGR  
REV: 0  
DATE: 06/05/2013



Measurements recorded in:  Metric  Imperial

A146649

5-14-139 Page \_\_\_\_\_ of \_\_\_\_\_

Address of Well Location (Street Number/Name): 3420 Carling Av Township: \_\_\_\_\_ Lot: \_\_\_\_\_ Concession: \_\_\_\_\_  
 County/District/Municipality: \_\_\_\_\_ City/Town/Village: Ottawa Province: Ontario Postal Code: \_\_\_\_\_  
 UTM Coordinates: Zone: \_\_\_\_\_ Easting: 83134345485022415 Northing: \_\_\_\_\_ Municipal Plan and Sublot Number: \_\_\_\_\_ Other: \_\_\_\_\_

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
BLK	<del>Sand</del> gravel	Asphalt	hard compact	0	.31
BRN	SAND		soft, loose	.31	3.1
GRY	silt	clay	soft, wet	3.1	4.57

**Annular Space**

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	.31	concrete/flush mount	
.31	1.22	bentonite	
1.22	4.57	sand	

**Results of Well Yield Testing**

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

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used  
 Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering  
 Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring  
 Boring  Digging  Irrigation  Cooling & Air Conditioning  
 Air percussion  Industrial  
 Other, specify direct push  Other, specify \_\_\_\_\_

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
4.03	Plastic	.368	0	1.22	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
4.82	Plastic	10	1.22	4.57

**Water Details**

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Hole Diameter
		Depth (m/ft) From: 0 To: 4.57 Diameter (cm/in): 2.25

**Well Contractor and Well Technician Information**

Business Name of Well Contractor: Strata Drilling Group Well Contractor's Licence No.: 7241  
 Business Address (Street Number/Name): 147-2 West Beaver Creek Rd Municipality: Richmond Hill  
 Province: ON Postal Code: L4B 1C6 Business E-mail Address: wrecords@strata-soul.com  
 Bus. Telephone No. (inc. area code): 905 764 1304 Name of Well Technician (Last Name, First Name): Beatty Brian  
 Well Technician's Licence No.: 3616 Signature of Technician and/or Contractor: \_\_\_\_\_ Date Submitted: 20130531

**Map of Well Location**

Please provide a map below following instructions on the back.

*MW3 on Map*

Comments: \_\_\_\_\_

Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered: <u>20130528</u>	<b>Ministry Use Only</b> Audit No.: <u>Z168617</u> Received: <u>JUL 05 2013</u>
Date Work Completed: <u>20130528</u>		



5-14138

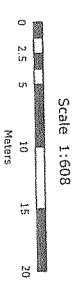
**LEGEND**

- 3410 Carling Ave. Property Boundary
- Current UST Location
- Interpreted Extent of Former Excavation
- Historical Monitoring Well
- Historical Borehole
- Proposed Monitoring Well

*C-724 / 1475 / 216867*

JUL 05 2013

**Figure 1 - Site Layout**



Projection: NAD 83 MTM Zone 9  
 Source: NCC, Geobase Canada, Google Earth, LIO

PROJECT No. 12-226-1

PROJECT  
 Proposal for Phase II ESA  
 3410 Carling Avenue, Ottawa

DESIGN: ADG  
 CAD/GIS: ADG  
 CHECK: KGR  
 REV. 0

DATE: 06/05/2013





Measurements recorded in:  Metric  Imperial

A146650

S-14138 Page \_\_\_\_ of \_\_\_\_

Address of Well Location (Street Number/Name) **3420 Carling Av** Township \_\_\_\_\_ Lot \_\_\_\_\_ Concession \_\_\_\_\_

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

UTM Coordinates Zone Easting Northing Municipal Plan and Sublot Number Other

NAD 83 **18 434568 5022412**

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
BLK	Gravel	Asphalt	hard compact	0	.31
BRN	Sand		loose moist	.31	1.5
GRY	Silt	clay	soft wet	1.5	4.57

**Annular Space**

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
From To		
0 .31	concrete flushmount	
.31 1.22	bentolite	
1.22 4.57	sand	

**Results of Well Yield Testing**

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

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used

Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering

Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring

Boring  Digging  Irrigation  Cooling & Air Conditioning

Air percussion  Industrial

Other, specify **direct push**  Other, specify \_\_\_\_\_

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
4.03	Plastic	.368	0	1.5	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
4.82	Plastic	10	1.5	4.57

**Water Details**

Water found at Depth (m/ft)	Kind of Water:	Hole Diameter	
	<input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Depth (m/ft)	Diameter (cm/in)
		From To	
		0 4.57	3.25

**Well Contractor and Well Technician Information**

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

Business Address (Street Number/Name) **147-2 West Beaver Creek Rd** Municipality **Richmond Hill**

Province **ON** Postal Code **L4B1C6** Business E-mail Address **wrecords@stratasoil.com**

Bus. Telephone No. (inc. area code) **9057649304** Name of Well Technician (Last Name, First Name) **Beath Brian**

Well Technician's Licence No. **3616** Signature of Technician and/or Contractor Date Submitted **20130531**

**Map of Well Location**

Please provide a map below following instructions on the back.

*MW 4 on Map*

Comments:

Well owner's information package delivered  Yes  No

Date Package Delivered **20130528**

Date Work Completed **20130528**

**Ministry Use Only**

Audit No. **Z168616**

**JUL 09 2013**

Received

5-14138



**LEGEND**

- 3410 Carling Ave. Property Boundary
- Current UST Location
- Interpreted Extent of Former Excavation
- Historical Monitoring Well
- Historical Borehole
- Proposed Monitoring Well

**Figure 1 - Site Layout**

Scale 1:608

0 2.5 5 10 15 20 Meters

Projection: NAD 83 MTM Zone 9  
 Source: NCC, Geobase Canada, Google Earth, LTO

PROJECT No. 12-226-1

PROJECT  
 Proposal for Phase II ESA  
 3410 Carling Avenue, Ottawa

DESIGN: ADG  
 CAD/GIS: ADG  
 CHECK: KGR  
 REV: 0

DATE: 06/05/2013

*Handwritten notes:*  
 MMW13-1  
 BH-2  
 MMW13-2  
 BH-3  
 MMW13-3  
 BH 3/RS-1  
 MMW-2  
 BH-2  
 MMW-3  
 MMW13-4  
 MMW-3  
 BH-1  
 MMW13-5  
 USTs  
 MMW1  
 BH-1  
 JUL 05 2013





Measurements recorded in:  Metric  Imperial

Page \_\_\_\_\_ of \_\_\_\_\_

Well Owner's Information

First Name, Last Name / Organization (Terra Nova Building Corp.), E-mail Address, Mailing Address (P.O. Box 4185 Stn. "E"), Municipality (Ottawa), Province (Ontario), Postal Code (K1S 5B2), Telephone No. (613 769 2697)

Well Location

Address of Well Location (40 Loch Isle Rd.), Township (Nepean), Lot, Concession, County/District/Municipality (Ottawa Carleton), City/Town/Village (Nepean), Province (Ontario), Postal Code, UTM Coordinates (NAD 83 18 405606, Northing 5008402), Municipal Plan and Sublot Number, Other

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

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To

Annular Space

Table with columns: Depth Set at (m/ft) From, To; Type of Sealant Used (Material and Type); Volume Placed (m³/ft³)

Results of Well Yield Testing

Table with columns: After test of well yield, water was; Draw Down (Time, Water Level); Recovery (Time, Water Level); Pumping rate; Duration of pumping; Final water level end of pumping; If flowing give rate; Recommended pump depth; Recommended pump rate; Well production; Disinfected?

Method of Construction

- Rotary (Conventional), Rotary (Reverse), Boring, Air percussion, Other, specify

Well Use

- Public, Commercial, Domestic, Municipal, Livestock, Test Hole, Irrigation, Cooling & Air Conditioning, Industrial, Other, specify

Construction Record - Casing

Table with columns: Inside Diameter (cm/in), Open Hole OR Material, Wall Thickness (cm/in), Depth (m/ft) From, To

Status of Well

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

Construction Record - Screen

Table with columns: Outside Diameter (cm/in), Material, Slot No., Depth (m/ft) From, To

Water Details

Table with columns: Water found at Depth (m/ft), Kind of Water (Fresh, Untested, Gas, Other, specify)

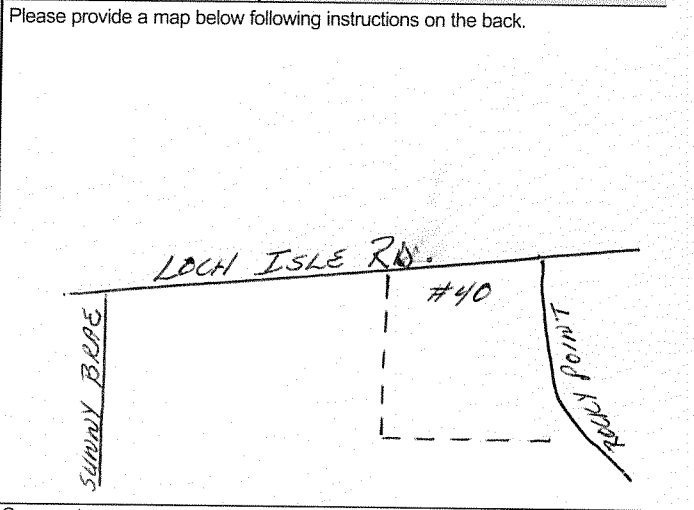
Hole Diameter

Table with columns: Depth (m/ft) From, To; Diameter (cm/in)

Well Contractor and Well Technician Information

Business Name of Well Contractor (Capital Water Supply Ltd.), Well Contractor's Licence No. (1558), Business Address (Box 490), Municipality (Stittsville), Province (Ontario), Postal Code (K2S 1A6), Business E-mail Address (office@capitalwater.ca), Name of Well Technician (Miller, Stephen), Well Technician's Licence No. (0097), Date Submitted (20130522)

Map of Well Location



Comments:

Well owner's information package delivered (Yes/No), Date Package Delivered (20130522), Date Work Completed (20130522), Ministry Use Only (Audit No. Z139898)

## Map: Well records

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

Full dataset is available in the [Open Data catalogue](#).

[Go Back to Map](#)

### Well ID

Well ID Number: 7190962  
 Well Audit Number: Z156927  
 Well Tag Number: A135017

*This table contains information from the original well record and any subsequent updates.*

### Well Location

Address of Well Location	4 CRYSTAL BEACH DR
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 434577.00 Northing: 5022420.00
Municipal Plan and Sublot Number	
Other	

### Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BLCK	LOAM		SOFT	0 m	.61 m
BRWN	SILT	CLAY	SOFT	.61 m	3.1 m
GREY	SILT	CLAY	FSND	3.1 m	6.1 m

### Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	FLUSHMOUNT/ CONCRETE	
.31 m	2.74 m	BENSEAL	
2.74 m	6.1 m	SAND	

### Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	Monitoring and Test Hole

### Status of Well

Test Hole

### Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC	0 m	3.1 m

## Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 cm	PLASTIC	3.1 m	6.1 m

## Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

## Results of Well Yield Testing

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

## Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

## Water Details

Water Found at Depth	Kind
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## Hole Diameter

Depth From	Depth To	Diameter
0 m	6.1 m	8.25 cm

Audit Number: Z156927

Date Well Completed: October 02, 2012

Date Well Record Received by MOE: November 09, 2012

Updated: March 7, 2019

## Recommended for you

## Map: Well records

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

Full dataset is available in the [Open Data catalogue](#).

[Go Back to Map](#)

### Well ID

Well ID Number: 7216118  
 Well Audit Number: Z179992  
 Well Tag Number: A135015

*This table contains information from the original well record and any subsequent updates.*

### Well Location

Address of Well Location	4 CRYSTAL BEACH RD
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 434571.00 Northing: 5022379.00
Municipal Plan and Sublot Number	
Other	

### Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
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### Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	TOPSOIL	
.31 m	1.83 m	HOLEPLUG	
1.83 m	4.88 m	GROUT	

### Method of Construction & Well Use

Method of Construction	Well Use
	Monitoring and Test Hole

### Status of Well

Abandoned-Other

### Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC	0 m	

## Construction Record - Screen

Outside Diameter	Material	Depth	Depth
		From	To
4.82 cm	PLASTIC		

## Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

## Results of Well Yield Testing

After test of well yield, water was \_\_\_\_\_

If pumping discontinued, give reason \_\_\_\_\_

Pump intake set at \_\_\_\_\_

Pumping Rate \_\_\_\_\_

Duration of Pumping \_\_\_\_\_

Final water level \_\_\_\_\_

If flowing give rate \_\_\_\_\_

Recommended pump depth \_\_\_\_\_

Recommended pump rate \_\_\_\_\_

Well Production \_\_\_\_\_

Disinfected? \_\_\_\_\_

## Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

## Water Details

Water Found at Depth	Kind
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## Hole Diameter

Depth	Depth	Diameter
From	To	
0 m	1.83 m	20.32 cm

Audit Number: Z179992

Date Well Completed: December 12, 2013

Date Well Record Received by MOE: February 10, 2014

Updated: March 7, 2019

## Recommended for you

## Map: Well records

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

Full dataset is available in the [Open Data catalogue](#).

[Go Back to Map](#)

### Well ID

Well ID Number: 7263434  
 Well Audit Number: Z227922  
 Well Tag Number: A173538

*This table contains information from the original well record and any subsequent updates.*

### Well Location

Address of Well Location	IN FRONT OF 3-5 CRYSTAL BEACH DRIVE
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 434684.00 Northing: 5022334.00
Municipal Plan and Sublot Number	
Other	

### Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	FILL	SAND	GRVL	0 m	.15 m
	CLAY			.15 m	.9 m
GREY	CLAY	SAND		.9 m	1.8 m
GREY	CLAY			1.8 m	5.15 m
GREY	CLAY			5.15 m	6.4 m
GREY	CLAY	SAND		6.4 m	7.6 m

### Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
1 m	5.6 m	BENTONITE	

### Method of Construction & Well Use

Method of Construction	Well Use
Other Method	
HSA	Monitoring

### Status of Well

Observation Wells

### Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
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5.08 cm PLASTIC .3 m 6.1 m

## Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
5.88 cm	PLASTIC	6.1 m	7.62 m

## Well Contractor and Well Technician Information

Well Contractor's Licence Number: 1844

## Results of Well Yield Testing

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

## Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

## Water Details

Water Found at Depth	Kind
4.25 m	Untested

## Hole Diameter

Depth From	Depth To	Diameter
0 m	7.62 m	20.3 cm

Audit Number: Z227922

Date Well Completed: September 18, 2015

Date Well Record Received by MOE: May 24, 2016

Updated: March 7, 2019

## Map: Well records

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

Full dataset is available in the [Open Data catalogue](#).

[Go Back to Map](#)

### Well ID

Well ID Number: 7263437  
 Well Audit Number: Z227923  
 Well Tag Number: A187187

*This table contains information from the original well record and any subsequent updates.*

### Well Location

Address of Well Location	IN FRONT OF ULLSWATER DRIVE 47/48
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 434524.00 Northing: 5022175.00
Municipal Plan and Sublot Number	
Other	

### Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
	FILL	SILT	GRVL	0 m	.13 m
GREY	CLAY	SAND		.13 m	.6 m
GREY	CLAY	SAND	GRVL	.6 m	2.15 m
				2.15 m	4.82 m

### Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
1 m	2.8 m	BENTONITE	

### Method of Construction & Well Use

Method of Construction	Well Use
Other Method	
HSA	Monitoring

### Status of Well

Observation Wells

### Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
5.08 cm	PLASTIC	.3 m	3.35 m



## Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
5.88 cm	PLASTIC	3.35 m	4.82 m

## Well Contractor and Well Technician Information

Well Contractor's Licence Number: 1844

## Results of Well Yield Testing

After test of well yield, water was

If pumping discontinued, give reason

Pump intake set at

Pumping Rate

Duration of Pumping

Final water level

If flowing give rate

Recommended pump depth

Recommended pump rate

Well Production

Disinfected?

## Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

## Water Details

Water Found at Depth	Kind
2.3 m	Untested

## Hole Diameter

Depth From	Depth To	Diameter
0 m	4.82 m	20.3 cm

Audit Number: Z227923

Date Well Completed: September 16, 2015

Date Well Record Received by MOE: May 24, 2016

Updated: March 7, 2019

## Recommended for you

## Map: Well records

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

Full dataset is available in the [Open Data catalogue](#).

[Go Back to Map](#)

### Well ID

Well ID Number: 7190963  
 Well Audit Number: Z156928  
 Well Tag Number: A135015

*This table contains information from the original well record and any subsequent updates.*

### Well Location

<b>Address of Well Location</b>	4 CRYSTAL BEACH DR
<b>Township</b>	NEPEAN TOWNSHIP
<b>Lot</b>	
<b>Concession</b>	
<b>County/District/Municipality</b>	OTTAWA-CARLETON
<b>City/Town/Village</b>	Ottawa
<b>Province</b>	ON
<b>Postal Code</b>	n/a
<b>UTM Coordinates</b>	NAD83 — Zone 18 Easting: 434587.00 Northing: 5022421.00
<b>Municipal Plan and Sublot Number</b>	
<b>Other</b>	

### Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	LOAM		SOFT	0 m	.61 m
GREY	CLAY	SOFT		.61 m	4.57 m
GREY	CLAY	SILT	SOFT	4.57 m	6.1 m

### Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	CONCRETE/ FLUSHMOUNT	
.31 m	2.74 m	BENSEAL	
2.74 m	6.1 m	SAND	

### Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	Monitoring and Test Hole

### Status of Well

Test Hole

### Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC	0 m	3.1 m

## Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 cm	PLASTIC	3.1 m	6.1 m

## Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

## Results of Well Yield Testing

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

## Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

## Water Details

Water Found at Depth	Kind
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## Hole Diameter

Depth From	Depth To	Diameter
0 m	6.1 m	8.25 cm

Audit Number: Z156928

Date Well Completed: October 02, 2012

Date Well Record Received by MOE: November 09, 2012

Updated: March 7, 2019

## Recommended for you

## Map: Well records

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

Full dataset is available in the [Open Data catalogue](#).

[Go Back to Map](#)

### Well ID

Well ID Number: 7190964  
 Well Audit Number: Z156930  
 Well Tag Number: A135016

*This table contains information from the original well record and any subsequent updates.*

### Well Location

Address of Well Location	4 CRYSTAL BEACH DR
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 434578.00 Northing: 5022403.00
Municipal Plan and Sublot Number	
Other	

### Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	LOAM		SOFT	0 m	.61 m
BRWN	CLAY	SOFT		.61 m	4.57 m
GREY	CLAY	SILT	SOFT	4.57 m	6.1 m

### Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	FLUSHMOUNT/ CONCRETE	
.31 m	2.74 m	BENSEAL	
2.74 m	6.1 m	SAND	

### Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	Monitoring and Test Hole

### Status of Well

Test Hole

### Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC	0 m	3.1 m

## Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 cm	PLASTIC	3.1 m	6.1 m

## Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

## Results of Well Yield Testing

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

## Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

## Water Details

Water Found at Depth	Kind
----------------------	------

## Hole Diameter

Depth From	Depth To	Diameter
0 m	6.1 m	8.25 cm

Audit Number: Z156930

Date Well Completed: October 02, 2012

Date Well Record Received by MOE: November 09, 2012

Updated: March 7, 2019

## Recommended for you

## Map: Well records

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

Full dataset is available in the [Open Data catalogue](#).

[Go Back to Map](#)

### Well ID

Well ID Number: 7190965  
 Well Audit Number: Z156931  
 Well Tag Number: A135014

*This table contains information from the original well record and any subsequent updates.*

### Well Location

Address of Well Location	4 CRYSTAL BEACH DR
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 434570.00 Northing: 5022387.00
Municipal Plan and Sublot Number	
Other	

### Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	LOAM		SOFT	0 m	.61 m
GREY	CLAY	SILT	SOFT	.61 m	5.18 m
GREY	SILT	CLAY	WBRG	5.18 m	6.1 m

### Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	FLUSHMOUNT/ CONCRETE	
.31 m	2.74 m	BENSEAL	
2.74 m	6.1 m	SAND	

### Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	Monitoring and Test Hole

### Status of Well

Test Hole

### Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC	0 m	3.1 m

## Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 cm	PLASTIC	3.1 m	6.1 m

## Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

## Results of Well Yield Testing

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

## Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

## Water Details

Water Found at Depth	Kind
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## Hole Diameter

Depth From	Depth To	Diameter
0 m	6.1 m	8.25 cm

Audit Number: Z156931

Date Well Completed: October 22, 2012

Date Well Record Received by MOE: November 09, 2012

Updated: March 7, 2019

## Recommended for you

## Map: Well records

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

Full dataset is available in the [Open Data catalogue](#).

[Go Back to Map](#)

### Well ID

Well ID Number: 7216113  
 Well Audit Number: Z179994  
 Well Tag Number: A141802

*This table contains information from the original well record and any subsequent updates.*

### Well Location

Address of Well Location	4 CRYSTAL BEACH RD
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 434572.00 Northing: 5022395.00
Municipal Plan and Sublot Number	
Other	

### Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
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### Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	TOPSOIL	
.31 m	1.83 m	HOLEPLUG	
1.83 m		GROUT	

### Method of Construction & Well Use

Method of Construction	Well Use
	Monitoring and Test Hole

### Status of Well

Abandoned-Other

### Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
10 cm	PLASTIC		



## Construction Record - Screen

Outside Diameter 10.92 cm  
Material  
Depth From To

## Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

## Results of Well Yield Testing

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

## Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

## Water Details

Water Found at Depth Kind

## Hole Diameter

Depth From	Depth To	Diameter
0 m	1.83 m	20.32 cm

Audit Number: Z179994

Date Well Completed: December 12, 2013

Date Well Record Received by MOE: February 10, 2014

Updated: March 7, 2019

## Recommended for you

## Map: Well records

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

Full dataset is available in the [Open Data catalogue](#).

[Go Back to Map](#)

### Well ID

Well ID Number: 7216114  
 Well Audit Number: Z179999  
 Well Tag Number: A141801

*This table contains information from the original well record and any subsequent updates.*

### Well Location

Address of Well Location	4 CRYSTAL BEACH ROAD
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 434583.00 Northing: 5022406.00
Municipal Plan and Sublot Number	
Other	

### Overburden and Bedrock Materials Interval

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

### Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	TOPSOIL	
.31 m	1.83 m	HOLEPLUG	
1.83 m		GROUT	

### Method of Construction & Well Use

Method of Construction	Well Use
	Monitoring and Test Hole

### Status of Well

Abandoned-Other

### Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
10 cm	PLASTIC		

## Construction Record - Screen

Outside Diameter	Material	Depth	Depth
		From	To
10.92 cm	PLASTIC		

## Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

## Results of Well Yield Testing

After test of well yield, water was

If pumping discontinued, give reason

Pump intake set at

Pumping Rate

Duration of Pumping

Final water level

If flowing give rate

Recommended pump depth

Recommended pump rate

Well Production

Disinfected?

## Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

## Water Details

Water Found at Depth	Kind
----------------------	------

## Hole Diameter

Depth	Depth	Diameter
From	To	
0 m	1.83 m	20.32 cm

Audit Number: Z179999

Date Well Completed: December 12, 2013

Date Well Record Received by MOE: February 10, 2014

Updated: March 7, 2019

## Recommended for you

## Map: Well records

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

Full dataset is available in the [Open Data catalogue](#).

[Go Back to Map](#)

### Well ID

Well ID Number: 7216115  
 Well Audit Number: Z179997  
 Well Tag Number: A135014

*This table contains information from the original well record and any subsequent updates.*

### Well Location

Address of Well Location	4 CRYSTAL BEACH RD
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 434585.00 Northing: 5022392.00
Municipal Plan and Sublot Number	
Other	

### Overburden and Bedrock Materials Interval

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

### Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	TOPSOIL	
.31 m	1.83 m	HOLEPLUG	
1.83 m		GROUT	

### Method of Construction & Well Use

Method of Construction	Well Use
	Monitoring and Test Hole

### Status of Well

Abandoned-Other

### Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC		

## Construction Record - Screen

Outside Diameter	Material	Depth	Depth
		From	To
4.21 cm	PLASTIC		

## Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

## Results of Well Yield Testing

After test of well yield, water was \_\_\_\_\_

If pumping discontinued, give reason \_\_\_\_\_

Pump intake set at \_\_\_\_\_

Pumping Rate \_\_\_\_\_

Duration of Pumping \_\_\_\_\_

Final water level \_\_\_\_\_

If flowing give rate \_\_\_\_\_

Recommended pump depth \_\_\_\_\_

Recommended pump rate \_\_\_\_\_

Well Production \_\_\_\_\_

Disinfected? \_\_\_\_\_

## Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

## Water Details

Water Found at Depth	Kind
----------------------	------

## Hole Diameter

Depth	Depth	Diameter
From	To	
0 m	1.83 m	20.32 cm

Audit Number: Z179997

Date Well Completed: December 12, 2013

Date Well Record Received by MOE: February 10, 2014

Updated: March 7, 2019

## Recommended for you

## Map: Well records

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

Full dataset is available in the [Open Data catalogue](#).

[Go Back to Map](#)

### Well ID

Well ID Number: 7216116  
 Well Audit Number: Z179996  
 Well Tag Number: A141806

*This table contains information from the original well record and any subsequent updates.*

### Well Location

Address of Well Location	4 CRYSTAL BEACH RD
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 434579.00 Northing: 5022408.00
Municipal Plan and Sublot Number	
Other	

### Overburden and Bedrock Materials Interval

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

### Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	TOPSOIL	
.31 m	1.83 m	HOLEPLUG	
1.83 m	4.88 m	GROUT	

### Method of Construction & Well Use

Method of Construction	Well Use
	Monitoring and Test Hole

### Status of Well

Abandoned-Other

### Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC		

## Construction Record - Screen

Outside Diameter 4.82 cm  
Material  
Depth From To

## Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

## Results of Well Yield Testing

After test of well yield, water was

If pumping discontinued, give reason

Pump intake set at

Pumping Rate

Duration of Pumping

Final water level

If flowing give rate

Recommended pump depth

Recommended pump rate

Well Production

Disinfected?

## Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

## Water Details

Water Found at Depth Kind

## Hole Diameter

Depth From	Depth To	Diameter
0 m	1.83 m	20.32 cm

Audit Number: Z179996

Date Well Completed: December 12, 2013

Date Well Record Received by MOE: February 10, 2014

Updated: March 7, 2019

## Recommended for you

## Map: Well records

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

Full dataset is available in the [Open Data catalogue](#).

[Go Back to Map](#)

### Well ID

Well ID Number: 7216117  
 Well Audit Number: Z179995  
 Well Tag Number: A141805

*This table contains information from the original well record and any subsequent updates.*

### Well Location

Address of Well Location	4 CRYSTAL BEACH RD
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 434573.00 Northing: 5022400.00
Municipal Plan and Sublot Number	
Other	

### Overburden and Bedrock Materials Interval

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

### Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	TOPSOIL	
.31 m	1.83 m	HOLEPLUG	

### Method of Construction & Well Use

Method of Construction	Well Use
------------------------	----------

Monitoring and Test Hole

### Status of Well

Abandoned-Other

### Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC		

### Construction Record - Screen



Outside Diameter 4.82 cm  
Material PLASTIC  
Depth From To

## Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

## Results of Well Yield Testing

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

## Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

## Water Details

Water Found at Depth Kind

## Hole Diameter

Depth From	Depth To	Diameter
0 m	1.83 m	20.32 cm

Audit Number: Z179995

Date Well Completed: December 12, 2013

Date Well Record Received by MOE: February 10, 2014

Updated: March 7, 2019

## Recommended for you



# DATABASE REPORT

**Project Property:** *PE4556 -3430 Carling Ave  
PE4556 -3430 Carling Ave  
Ottawa ON K2H 5J1*

**Project No:** *31687*

**Report Type:** *Standard Report*

**Order No:** *21012100004*

**Requested by:** *Paterson Group Inc.*

**Date Completed:** *January 26, 2021*

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# Executive Summary

## Property Information:

**Project Property:** PE4556 -3430 Carling Ave  
PE4556 -3430 Carling Ave Ottawa ON K2H 5J1

**Project No:** 31687

## **Coordinates:**

**Latitude:** 45.3520783  
**Longitude:** -75.8368631  
**UTM Northing:** 5,022,403.65  
**UTM Easting:** 434,447.61  
**UTM Zone:** 18T

**Elevation:** 210 FT  
63.88 M

## Order Information:

**Order No:** 21012100004  
**Date Requested:** January 21, 2021  
**Requested by:** Paterson Group Inc.  
**Report Type:** Standard Report

## Historical/Products:

## Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking &amp; Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	2	2
CA	<i>Certificates of Approval</i>	Y	0	2	2
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Manufacturers and Distributors</i>	Y	0	0	0
CHM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
DTNK	<i>Delisted Fuel Tanks</i>	Y	0	6	6
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	0	0
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	6	6
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	4	4
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries &amp; Oceans Fuel Tanks</i>	Y	0	0	0
FRST	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	9	9
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	2	2
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	6	6
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0

<b>Database</b>	<b>Name</b>	<b>Searched</b>	<b>Project Property</b>	<b>Within 0.25 km</b>	<b>Total</b>
IAFT	<i>Indian &amp; Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	3	3
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense &amp; Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense &amp; Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence &amp; Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBP	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGWE	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PINC	<i>Pipeline Incidents</i>	Y	0	3	3
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	2	2
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	2	2
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	0	6	6
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	1	35	36
<b>Total:</b>			<b>1</b>	<b>88</b>	<b>89</b>

## Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
<a href="#">5</a>	WWIS		lot 12 con 1 ON  <i>Well ID:</i> 1503829	W/72.5	0.00	<a href="#">28</a>

## Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
<a href="#">1</a>	WWIS		lot 12 con 1 ON <b>Well ID:</b> 1503798	NNE/46.9	0.03	<a href="#">31</a>
<a href="#">2</a>	BORE		ON	NNE/47.1	0.03	<a href="#">34</a>
<a href="#">3</a>	WWIS		lot 12 con 1 ON <b>Well ID:</b> 1503799	NE/49.1	0.03	<a href="#">35</a>
<a href="#">4</a>	WWIS		3420 CARLING AVE Ottawa ON <b>Well ID:</b> 7204222	E/70.1	0.00	<a href="#">38</a>
<a href="#">6</a>	WWIS		lot 12 con 1 ON <b>Well ID:</b> 1503800	WSW/83.3	-0.03	<a href="#">41</a>
<a href="#">7</a>	RST	MACEWEN PETROLEUM INC	3420 CARLING AVE NEPEAN ON K2H 5B1	E/84.7	0.00	<a href="#">43</a>
<a href="#">7</a>	FSTH	RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN ON K2H 5B1	E/84.7	0.00	<a href="#">44</a>
<a href="#">7</a>	FSTH	RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN ON K2H 5B1	E/84.7	0.00	<a href="#">44</a>
<a href="#">7</a>	FST	RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN K2H 5B1 ON CA 3420 CARLING AV NEPEAN K2H 5B1 ON CA ON	E/84.7	0.00	<a href="#">45</a>
<a href="#">7</a>	FST	RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN K2H 5B1 ON CA 3420 CARLING AV NEPEAN K2H 5B1 ON CA ON	E/84.7	0.00	<a href="#">45</a>
<a href="#">7</a>	FST	RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN K2H 5B1 ON CA 3420 CARLING AV NEPEAN K2H 5B1 ON CA ON	E/84.7	0.00	<a href="#">46</a>



<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">7</a>	FST	RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN K2H 5B1 ON CA 3420 CARLING AV NEPEAN K2H 5B1 ON CA ON	E/84.7	0.00	<a href="#">46</a>
<a href="#">7</a>	RST	MACEWEN PETROLEUM INC	3420 CARLING AVE NEPEAN ON K2H5B1	E/84.7	0.00	<a href="#">47</a>
<a href="#">7</a>	GEN	Ralph & Son`s Diner Ltd.	3420 Carling Ave Ottawa ON	E/84.7	0.00	<a href="#">47</a>
<a href="#">7</a>	GEN	Ralph & Son`s Diner Ltd.	3420 Carling Ave Ottawa ON K2H5B1	E/84.7	0.00	<a href="#">47</a>
<a href="#">7</a>	SPL		3420 Carling Ave, Nepean Ottawa ON	E/84.7	0.00	<a href="#">48</a>
<a href="#">7</a>	INC	RALPH & SONS DINER LTD	3420 CARLING AV,,NEPEAN,ON,K2H 5B1,CA ON	E/84.7	0.00	<a href="#">48</a>
<a href="#">7</a>	INC	RALPH & SONS DINER LTD	3420 CARLING AV,,NEPEAN,ON,K2H 5B1,CA ON	E/84.7	0.00	<a href="#">49</a>
<a href="#">7</a>	FST		3420 CARLING AV NEPEAN ON K2H 5B1	E/84.7	0.00	<a href="#">49</a>
<a href="#">8</a>	WWIS		3420 CARLING AVE Ottawa ON <b>Well ID:</b> 7204224	E/101.0	0.00	<a href="#">50</a>
<a href="#">9</a>	WWIS		3420 CARLING AVE Ottawa ON <b>Well ID:</b> 7204293	E/120.7	1.08	<a href="#">53</a>
<a href="#">10</a>	PRT	TOP VALU GAS BAR	3410 CARLING AV NEPEAN ON K2H5B1	E/122.5	-0.09	<a href="#">56</a>
<a href="#">10</a>	PRT	C CORP (ONTARIO) INC ATTN ACCOUNTS PAYABLE	3410 CARLING AV STATION 7013 OTTAWA ON	E/122.5	-0.09	<a href="#">56</a>
<a href="#">10</a>	DTNK	MAC'S CONVENIENCE STORES INC**	3410 CARLING AVE STATION 7013 NEPEAN ON K2H 5B1	E/122.5	-0.09	<a href="#">56</a>

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
<a href="#">10</a>	DTNK	TOP VALU GAS BAR BOB MITCHELL	3410 CARLING AV NEPEAN ON	E/122.5	-0.09	<a href="#">56</a>
<a href="#">10</a>	DTNK	MAC'S CONVENIENCE STORES INC**	3410 CARLING AVE STATION 7013 NEPEAN ON	E/122.5	-0.09	<a href="#">57</a>
<a href="#">10</a>	DTNK	MAC'S CONVENIENCE STORES INC**	3410 CARLING AVE STATION 7013 NEPEAN ON	E/122.5	-0.09	<a href="#">57</a>
<a href="#">10</a>	DTNK	MAC'S CONVENIENCE STORES INC**	3410 CARLING AVE STATION 7013 NEPEAN ON	E/122.5	-0.09	<a href="#">57</a>
<a href="#">10</a>	DTNK	MAC'S CONVENIENCE STORES INC**	3410 CARLING AVE STATION 7013 NEPEAN ON	E/122.5	-0.09	<a href="#">58</a>
<a href="#">10</a>	EXP	MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E/122.5	-0.09	<a href="#">58</a>
<a href="#">10</a>	EXP	MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E/122.5	-0.09	<a href="#">58</a>
<a href="#">10</a>	EXP	MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E/122.5	-0.09	<a href="#">59</a>
<a href="#">10</a>	EXP	MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E/122.5	-0.09	<a href="#">59</a>
<a href="#">10</a>	FST	MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E/122.5	-0.09	<a href="#">60</a>
<a href="#">10</a>	FST	MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E/122.5	-0.09	<a href="#">60</a>
<a href="#">10</a>	FST	MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E/122.5	-0.09	<a href="#">61</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">10</a>	FST	MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E/122.5	-0.09	<a href="#">61</a>
<a href="#">11</a>	WWIS		4 CRYSTAL BEACH DR Ottawa ON <b>Well ID:</b> 7190965	E/123.5	1.00	<a href="#">61</a>
<a href="#">12</a>	WWIS		4 CRYSTAL BEACH RD OTTAWA ON <b>Well ID:</b> 7216113	E/124.7	1.08	<a href="#">64</a>
<a href="#">13</a>	WWIS		4 CRYSTAL BEACH RD OTTAWA ON <b>Well ID:</b> 7216117	E/125.4	1.08	<a href="#">66</a>
<a href="#">14</a>	WWIS		4 CRYSTAL BEACH RD OTTAWA ON <b>Well ID:</b> 7216118	E/125.8	1.00	<a href="#">68</a>
<a href="#">15</a>	WWIS		4 CRYSTAL BEACH ROAD OTTAWA ON <b>Well ID:</b> 7216112	E/126.4	1.08	<a href="#">70</a>
<a href="#">16</a>	WWIS		4 CRYSTAL BEACH DR Ottawa ON <b>Well ID:</b> 7190964	E/130.4	1.08	<a href="#">72</a>
<a href="#">17</a>	WWIS		4 CRYSTAL BEACH DR Ottawa ON <b>Well ID:</b> 7190962	E/130.4	-0.09	<a href="#">75</a>
<a href="#">18</a>	WWIS		4 CRYSTAL BEACH RD OTTAWA ON <b>Well ID:</b> 7216116	E/131.5	1.08	<a href="#">78</a>
<a href="#">19</a>	WWIS		3420 CARLING AVE Ottawa ON <b>Well ID:</b> 7204221	E/132.4	1.08	<a href="#">80</a>
<a href="#">20</a>	WWIS		4 CRYSTAL BEACH RD. ON <b>Well ID:</b> 7198893	E/135.4	1.08	<a href="#">83</a>
<a href="#">21</a>	WWIS		4 CRYSTAL BEACH DR. OTTAWA ON <b>Well ID:</b> 7198894	E/135.4	1.08	<a href="#">86</a>
<a href="#">21</a>	WWIS		4 CRYSTAL BEACH ROAD OTTAWA ON <b>Well ID:</b> 7216114	E/135.4	1.08	<a href="#">88</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">22</a>	EHS		1, 27, 29, 31, 35 & 37 Elterwater Avenue, 4 Crystal Beach Drive and 5 Ullswater Ottawa ON	ESE/135.8	1.00	<a href="#">91</a>
<a href="#">23</a>	WWIS		4 CRYSTAL BEACH RD. lot 13 con 1 OTTAWA ON <b>Well ID:</b> 7198892	E/137.5	1.08	<a href="#">91</a>
<a href="#">24</a>	WWIS		233 ELTERWATER AVE. OTTAWA ON <b>Well ID:</b> 7176933	E/137.7	1.08	<a href="#">93</a>
<a href="#">25</a>	WWIS		4 CRYSTAL BEACH RD OTTAWA ON <b>Well ID:</b> 7216115	E/137.9	1.08	<a href="#">96</a>
<a href="#">26</a>	WWIS		233 ELTER WATER AVE. lot 13 con 1 OTTAWA ON <b>Well ID:</b> 7176932	E/138.4	1.08	<a href="#">98</a>
<a href="#">27</a>	WWIS		4 CRYSTAL BEACH DR. OTTAWA ON <b>Well ID:</b> 7198880	E/139.4	1.08	<a href="#">101</a>
<a href="#">28</a>	WWIS		4 CRYSTAL BEACH DR Ottawa ON <b>Well ID:</b> 7190963	E/140.5	-0.09	<a href="#">104</a>
<a href="#">29</a>	WWIS		4 CRYSTAL BEACH DR. OTTAWA ON <b>Well ID:</b> 7198881	E/141.4	1.08	<a href="#">107</a>
<a href="#">30</a>	WWIS		3420 CARLING AVE Ottawa ON <b>Well ID:</b> 7204223	E/145.5	1.00	<a href="#">110</a>
<a href="#">31</a>	WWIS		lot 12 con 1 ON <b>Well ID:</b> 1503804	WNW/164.3	-1.69	<a href="#">113</a>
<a href="#">32</a>	SPL	Enbridge Gas Distribution Inc.	62 Loch Isle Road Ottawa ON	NNE/173.0	-2.03	<a href="#">115</a>
<a href="#">32</a>	PINC	ENBRIDGE GAS INC	62 LOCH ISLE RD,,NEPEAN,ON,K2H 8G8, CA ON	NNE/173.0	-2.03	<a href="#">116</a>
<a href="#">33</a>	WWIS		lot 12 con 1 ON <b>Well ID:</b> 1503794	WNW/181.0	-2.91	<a href="#">116</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">34</a>	BORE		ON	WNW/181.1	-2.91	<a href="#">119</a>
<a href="#">35</a>	WWIS		lot 13 con 1 ON <b>Well ID:</b> 1503824	ENE/185.6	-0.97	<a href="#">120</a>
<a href="#">36</a>	EHS		1 & 3 Ullswater Drive, 25 & 33 Elterwater Avenue and 2A & 2B Crystal Beach Drive Ottawa ON	W/186.0	0.33	<a href="#">123</a>
<a href="#">37</a>	EHS		1 Ullswater Drive Ottawa ON K2H 5H2	W/186.0	0.33	<a href="#">123</a>
<a href="#">37</a>	EHS		1 Ullswater Drive Ottawa ON K2H 5H2	W/186.0	0.33	<a href="#">123</a>
<a href="#">37</a>	EHS		1 Ullswater Drive Ottawa ON K2H 5H2	W/186.0	0.33	<a href="#">123</a>
<a href="#">37</a>	EHS		1 Ullswater Drive Ottawa ON K2H 5H2	W/186.0	0.33	<a href="#">124</a>
<a href="#">38</a>	CA	NEPEAN CITY	LOCH ISLE RD./SUNNY BRAE AVE. NEPEAN CITY ON	NNE/208.4	-2.00	<a href="#">124</a>
<a href="#">39</a>	WWIS		lot 13 con 1 ON <b>Well ID:</b> 1503809	NNE/215.0	-3.11	<a href="#">124</a>
<a href="#">40</a>	WWIS		lot 13 con 1 ON <b>Well ID:</b> 1503819	E/215.3	-0.03	<a href="#">127</a>
<a href="#">41</a>	INC		6 Rocky Point Road, Ottawa ON	NE/220.7	-1.69	<a href="#">129</a>
<a href="#">42</a>	GEN	Minto Apartments Ltd.	4 Crystal BEach Drive ottawa ON	E/223.7	0.69	<a href="#">130</a>
<a href="#">42</a>	GEN	Minto Apartments Ltd.	4 Crystal BEach Drive ottawa ON	E/223.7	0.69	<a href="#">130</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist (m)</b>	<b>Elev Diff (m)</b>	<b>Page Number</b>
<a href="#">42</a>	SPL	Enbridge Gas Distribution Inc.	4E Crystal Beach Drive Ottawa ON	E/223.7	0.69	<a href="#">130</a>
<a href="#">42</a>	GEN	Minto Apartments Ltd.	4 Crystal BEach Drive ottawa ON K2H 5M4	E/223.7	0.69	<a href="#">131</a>
<a href="#">42</a>	PINC	ZONE 5 LANDSCAPING INC	4 CRYSTAL BEACH DR.,,NEPEAN,ON, K2H 5M4,CA ON	E/223.7	0.69	<a href="#">131</a>
<a href="#">43</a>	WWIS		lot 13 con 1 ON <b>Well ID:</b> 1504678	NNE/227.3	-2.54	<a href="#">131</a>
<a href="#">44</a>	GEN	SKARLAN ENTERPRISES	3409 CARLING AVENUE OTTAWA ON	WNW/228.3	-3.03	<a href="#">134</a>
<a href="#">45</a>	WWIS		lot 12 con 1 ON <b>Well ID:</b> 1503801	N/228.5	-2.64	<a href="#">134</a>
<a href="#">46</a>	PINC	TAGGART CONSTRUCTION LTD	8 CRYSTAL BEACH DR.,,OTTAWA,ON, K2H 5M4,CA ON	ESE/230.7	1.00	<a href="#">137</a>
<a href="#">46</a>	SPL	Enbridge Gas Distribution Inc.	8 Crystal Beach Drive Ottawa ON	ESE/230.7	1.00	<a href="#">137</a>
<a href="#">46</a>	SPL	Enbridge Gas Distribution Inc.	8 Crystal Beach, Nepean Ottawa ON	ESE/230.7	1.00	<a href="#">138</a>
<a href="#">47</a>	WWIS		IN FRONT OF ULLSWATER DRIVE 47/48 Ottawa ON <b>Well ID:</b> 7263437	SSE/241.1	1.00	<a href="#">138</a>
<a href="#">48</a>	WWIS		IN FRONT OF 3-5 CRYSTAL BEACH DRIVE Ottawa ON <b>Well ID:</b> 7263434	ESE/246.4	-0.13	<a href="#">141</a>
<a href="#">49</a>	CA	R.M. OF OTTAWA-CARLETON	ELTERWATER AVE./ULLSWATER DR. NEPEAN CITY ON	WSW/249.5	1.00	<a href="#">145</a>
<a href="#">50</a>	SPL	UNKNOWN	CARLING AVE. & CRYSTAL BEACH DR. NEPEAN CITY ON	E/249.6	-0.31	<a href="#">145</a>

# Executive Summary: Summary By Data Source

## **BORE - Borehole**

A search of the BORE database, dated 1875-Jul 2018 has found that there are 2 BORE site(s) within approximately 0.25 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	ON	NNE	47.13	<a href="#">2</a>

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	ON	WNW	181.10	<a href="#">34</a>

## **CA - Certificates of Approval**

A search of the CA database, dated 1985-Oct 30, 2011\* has found that there are 2 CA site(s) within approximately 0.25 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
R.M. OF OTTAWA-CARLETON	ELTERWATER AVE./ULLSWATER DR. NEPEAN CITY ON	WSW	249.55	<a href="#">49</a>

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
NEPEAN CITY	LOCH ISLE RD./SUNNY BRAE AVE. NEPEAN CITY ON	NNE	208.44	<a href="#">38</a>

## **DTNK - Delisted Fuel Tanks**

A search of the DTNK database, dated Jul 31, 2020 has found that there are 6 DTNK site(s) within approximately 0.25 kilometers of the project property.

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
TOP VALU GAS BAR BOB MITCHELL	3410 CARLING AV NEPEAN ON	E	122.47	<a href="#">10</a>

MAC'S CONVENIENCE STORES INC**	3410 CARLING AVE STATION 7013 NEPEAN ON	E	122.47	<a href="#">10</a>
MAC'S CONVENIENCE STORES INC**	3410 CARLING AVE STATION 7013 NEPEAN ON	E	122.47	<a href="#">10</a>
MAC'S CONVENIENCE STORES INC**	3410 CARLING AVE STATION 7013 NEPEAN ON	E	122.47	<a href="#">10</a>
MAC'S CONVENIENCE STORES INC**	3410 CARLING AVE STATION 7013 NEPEAN ON	E	122.47	<a href="#">10</a>
MAC'S CONVENIENCE STORES INC**	3410 CARLING AVE STATION 7013 NEPEAN ON K2H 5B1	E	122.47	<a href="#">10</a>

### **EHS - ERIS Historical Searches**

A search of the EHS database, dated 1999-Oct 31, 2020 has found that there are 6 EHS site(s) within approximately 0.25 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
	1, 27, 29, 31, 35 & 37 Elterwater Avenue, 4 Crystal Beach Drive and 5 Ullswater Ottawa ON	ESE	135.75	<a href="#">22</a>
	1 & 3 Ullswater Drive, 25 & 33 Elterwater Avenue and 2A & 2B Crystal Beach Drive Ottawa ON	W	185.95	<a href="#">36</a>
	1 Ullswater Drive Ottawa ON K2H 5H2	W	185.96	<a href="#">37</a>
	1 Ullswater Drive Ottawa ON K2H 5H2	W	185.96	<a href="#">37</a>
	1 Ullswater Drive Ottawa ON K2H 5H2	W	185.96	<a href="#">37</a>



<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1 Ullswater Drive Ottawa ON K2H 5H2	W	185.96	<a href="#">37</a>

### **EXP - List of Expired Fuels Safety Facilities**

A search of the EXP database, dated Jul 31, 2020 has found that there are 4 EXP site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E	122.47	<a href="#">10</a>
MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E	122.47	<a href="#">10</a>
MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E	122.47	<a href="#">10</a>
MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E	122.47	<a href="#">10</a>

### **FST - Fuel Storage Tank**

A search of the FST database, dated Jul 31, 2020 has found that there are 9 FST site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN K2H 5B1 ON CA 3420 CARLING AV NEPEAN K2H 5B1 ON CA ON	E	84.74	<a href="#">7</a>
RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN K2H 5B1 ON CA 3420 CARLING AV NEPEAN K2H 5B1 ON CA ON	E	84.74	<a href="#">7</a>
RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN K2H 5B1 ON CA 3420 CARLING AV NEPEAN K2H 5B1 ON CA ON	E	84.74	<a href="#">7</a>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	3420 CARLING AV NEPEAN ON K2H 5B1	E	84.74	<a href="#">7</a>
RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN K2H 5B1 ON CA 3420 CARLING AV NEPEAN K2H 5B1 ON CA ON	E	84.74	<a href="#">7</a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E	122.47	<a href="#">10</a>
MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E	122.47	<a href="#">10</a>
MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E	122.47	<a href="#">10</a>
MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E	122.47	<a href="#">10</a>

### **FSTH - Fuel Storage Tank - Historic**

A search of the FSTH database, dated Pre-Jan 2010\* has found that there are 2 FSTH site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN ON K2H 5B1	E	84.74	<a href="#">7</a>
RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN ON K2H 5B1	E	84.74	<a href="#">7</a>

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

A search of the GEN database, dated 1986-Jul 31, 2020 has found that there are 6 GEN site(s) within approximately 0.25 kilometers of

the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Ralph & Son`s Diner Ltd.	3420 Carling Ave Ottawa ON K2H5B1	E	84.74	<a href="#">7</a>
Ralph & Son`s Diner Ltd.	3420 Carling Ave Ottawa ON	E	84.74	<a href="#">7</a>
Minto Apartments Ltd.	4 Crystal BEach Drive ottawa ON K2H 5M4	E	223.67	<a href="#">42</a>
Minto Apartments Ltd.	4 Crystal BEach Drive ottawa ON	E	223.67	<a href="#">42</a>
Minto Apartments Ltd.	4 Crystal BEach Drive ottawa ON	E	223.67	<a href="#">42</a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
SKARLAN ENTERPRISES	3409 CARLING AVENUE OTTAWA ON	WNW	228.29	<a href="#">44</a>

### **INC - Fuel Oil Spills and Leaks**

A search of the INC database, dated Jul 31, 2020 has found that there are 3 INC site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
RALPH & SONS DINER LTD	3420 CARLING AV.,,NEPEAN,ON,K2H 5B1,CA ON	E	84.74	<a href="#">7</a>
RALPH & SONS DINER LTD	3420 CARLING AV.,,NEPEAN,ON,K2H 5B1,CA ON	E	84.74	<a href="#">7</a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
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6 Rocky Point Road, Ottawa ON	NE	220.69	<a href="#">41</a>
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### **PINC - Pipeline Incidents**

A search of the PINC database, dated Oct 31, 2020 has found that there are 3 PINC site(s) within approximately 0.25 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
ZONE 5 LANDSCAPING INC	4 CRYSTAL BEACH DR,,NEPEAN, ON,K2H 5M4,CA ON	E	223.67	<a href="#">42</a>
TAGGART CONSTRUCTION LTD	8 CRYSTAL BEACH DR,,OTTAWA, ON,K2H 5M4,CA ON	ESE	230.71	<a href="#">46</a>

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
ENBRIDGE GAS INC	62 LOCH ISLE RD,,NEPEAN,ON,K2H 8G8,CA ON	NNE	172.96	<a href="#">32</a>

### **PRT - Private and Retail Fuel Storage Tanks**

A search of the PRT database, dated 1989-1996\* has found that there are 2 PRT site(s) within approximately 0.25 kilometers of the project property.

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
TOP VALU GAS BAR	3410 CARLING AV NEPEAN ON K2H5B1	E	122.47	<a href="#">10</a>
C CORP (ONTARIO) INC ATTN ACCOUNTS PAYABLE	3410 CARLING AV STATION 7013 OTTAWA ON	E	122.47	<a href="#">10</a>

### **RST - Retail Fuel Storage Tanks**

A search of the RST database, dated 1999-Jun 30, 2020 has found that there are 2 RST site(s) within approximately 0.25 kilometers of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (m)</u></b>	<b><u>Map Key</u></b>
MACEWEN PETROLEUM INC	3420 CARLING AVE NEPEAN ON K2H 5B1	E	84.74	<a href="#">7</a>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
MACEWEN PETROLEUM INC	3420 CARLING AVE NEPEAN ON K2H5B1	E	84.74	<a href="#">7</a>

### **SPL - Ontario Spills**

A search of the SPL database, dated 1988-Mar 2020; Jul 2020 - Aug 2020 has found that there are 6 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	3420 Carling Ave, Nepean Ottawa ON	E	84.74	<a href="#">7</a>
Enbridge Gas Distribution Inc.	4E Crystal Beach Drive Ottawa ON	E	223.67	<a href="#">42</a>
Enbridge Gas Distribution Inc.	8 Crystal Beach Drive Ottawa ON	ESE	230.71	<a href="#">46</a>
Enbridge Gas Distribution Inc.	8 Crystal Beach, Nepean Ottawa ON	ESE	230.71	<a href="#">46</a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Enbridge Gas Distribution Inc.	62 Loch Isle Road Ottawa ON	NNE	172.96	<a href="#">32</a>
UNKNOWN	CARLING AVE. & CRYSTAL BEACH DR. NEPEAN CITY ON	E	249.64	<a href="#">50</a>

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

A search of the WWIS database, dated Apr 30, 2020 has found that there are 36 WWIS site(s) within approximately 0.25 kilometers of the project property.

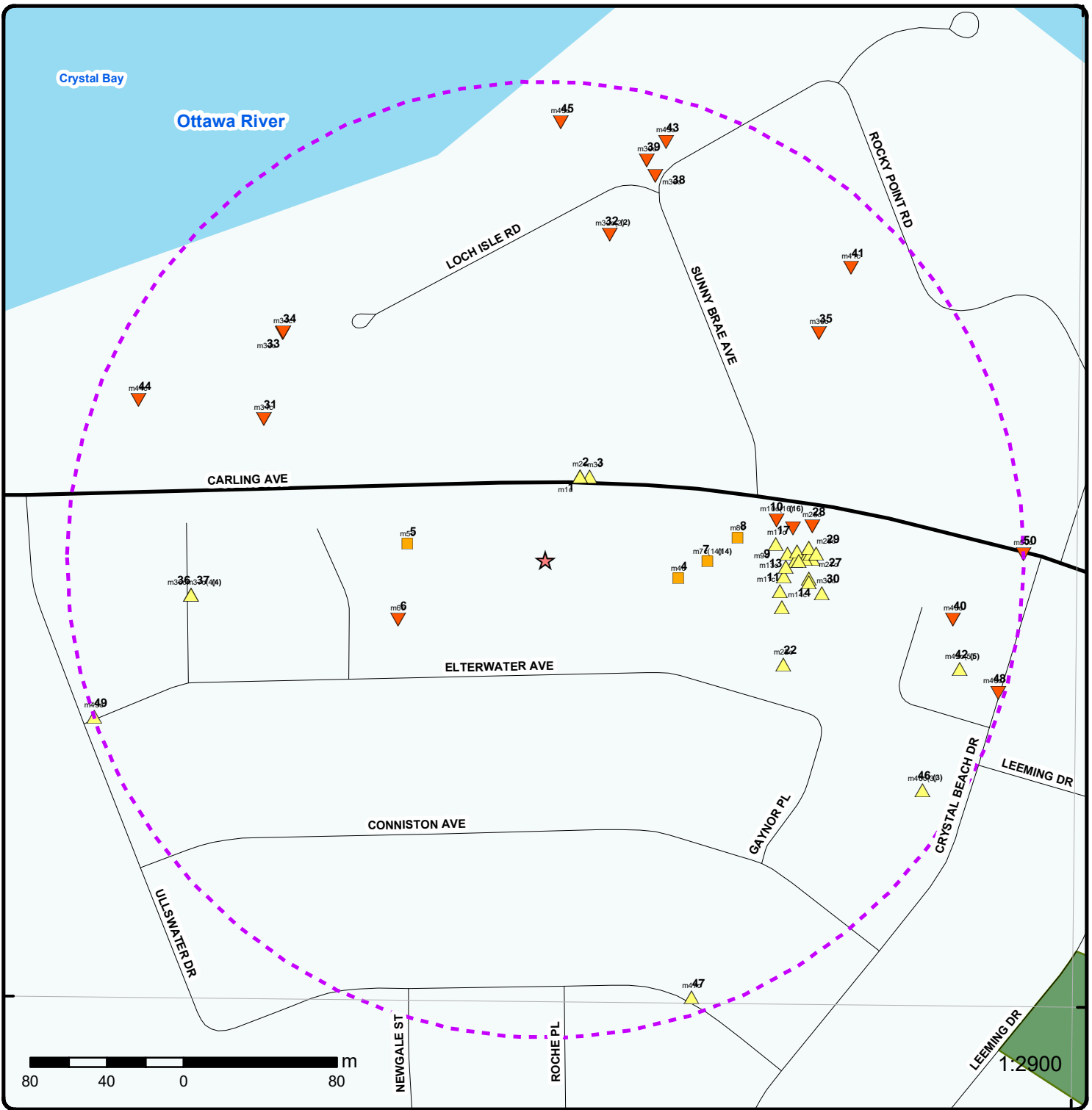
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 12 con 1 ON  <i>Well ID:</i> 1503798	NNE	46.94	<a href="#"><u>1</u></a>
	lot 12 con 1 ON  <i>Well ID:</i> 1503799	NE	49.07	<a href="#"><u>3</u></a>
	3420 CARLING AVE Ottawa ON  <i>Well ID:</i> 7204222	E	70.06	<a href="#"><u>4</u></a>
	lot 12 con 1 ON  <i>Well ID:</i> 1503829	W	72.49	<a href="#"><u>5</u></a>
	3420 CARLING AVE Ottawa ON  <i>Well ID:</i> 7204224	E	101.03	<a href="#"><u>8</u></a>
	3420 CARLING AVE Ottawa ON  <i>Well ID:</i> 7204293	E	120.68	<a href="#"><u>9</u></a>
	4 CRYSTAL BEACH DR Ottawa ON  <i>Well ID:</i> 7190965	E	123.52	<a href="#"><u>11</u></a>
	4 CRYSTAL BEACH RD OTTAWA ON  <i>Well ID:</i> 7216113	E	124.69	<a href="#"><u>12</u></a>
	4 CRYSTAL BEACH RD OTTAWA ON  <i>Well ID:</i> 7216117	E	125.45	<a href="#"><u>13</u></a>
	4 CRYSTAL BEACH RD OTTAWA ON  <i>Well ID:</i> 7216118	E	125.83	<a href="#"><u>14</u></a>
	4 CRYSTAL BEACH ROAD OTTAWA ON  <i>Well ID:</i> 7216112	E	126.44	<a href="#"><u>15</u></a>
	4 CRYSTAL BEACH DR Ottawa ON	E	130.40	<a href="#"><u>16</u></a>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	<i>Well ID:</i> 7190964			
	4 CRYSTAL BEACH RD OTTAWA ON	E	131.47	<a href="#">18</a>
	<i>Well ID:</i> 7216116			
	3420 CARLING AVE Ottawa ON	E	132.40	<a href="#">19</a>
	<i>Well ID:</i> 7204221			
	4 CRYSTAL BEACH RD. ON	E	135.39	<a href="#">20</a>
	<i>Well ID:</i> 7198893			
	4 CRYSTAL BEACH DR. OTTAWA ON	E	135.41	<a href="#">21</a>
	<i>Well ID:</i> 7198894			
	4 CRYSTAL BEACH ROAD OTTAWA ON	E	135.41	<a href="#">21</a>
	<i>Well ID:</i> 7216114			
	4 CRYSTAL BEACH RD. lot 13 con 1 OTTAWA ON	E	137.54	<a href="#">23</a>
	<i>Well ID:</i> 7198892			
	233 ELTERWATER AVE. OTTAWA ON	E	137.73	<a href="#">24</a>
	<i>Well ID:</i> 7176933			
	4 CRYSTAL BEACH RD OTTAWA ON	E	137.89	<a href="#">25</a>
	<i>Well ID:</i> 7216115			
	233 ELTER WATER AVE. lot 13 con 1 OTTAWA ON	E	138.43	<a href="#">26</a>
	<i>Well ID:</i> 7176932			
	4 CRYSTAL BEACH DR. OTTAWA ON	E	139.39	<a href="#">27</a>
	<i>Well ID:</i> 7198880			
	4 CRYSTAL BEACH DR. OTTAWA ON	E	141.43	<a href="#">29</a>
	<i>Well ID:</i> 7198881			

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	3420 CARLING AVE Ottawa ON  <i>Well ID:</i> 7204223	E	145.47	<a href="#">30</a>
	IN FRONT OF ULLSWATER DRIVE 47/48 Ottawa ON <i>Well ID:</i> 7263437	SSE	241.07	<a href="#">47</a>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 12 con 1 ON  <i>Well ID:</i> 1503800	WSW	83.26	<a href="#">6</a>
	4 CRYSTAL BEACH DR Ottawa ON  <i>Well ID:</i> 7190962	E	130.42	<a href="#">17</a>
	4 CRYSTAL BEACH DR Ottawa ON  <i>Well ID:</i> 7190963	E	140.47	<a href="#">28</a>
	lot 12 con 1 ON  <i>Well ID:</i> 1503804	WNW	164.29	<a href="#">31</a>
	lot 12 con 1 ON  <i>Well ID:</i> 1503794	WNW	181.05	<a href="#">33</a>
	lot 13 con 1 ON  <i>Well ID:</i> 1503824	ENE	185.62	<a href="#">35</a>
	lot 13 con 1 ON  <i>Well ID:</i> 1503809	NNE	214.99	<a href="#">39</a>
	lot 13 con 1 ON  <i>Well ID:</i> 1503819	E	215.33	<a href="#">40</a>
	lot 13 con 1 ON  <i>Well ID:</i> 1504678	NNE	227.26	<a href="#">43</a>



lot 12 con 1 ON <b>Well ID:</b> 1503801	N	228.49	<u><a href="#">45</a></u>
IN FRONT OF 3-5 CRYSTAL BEACH DRIVE Ottawa ON <b>Well ID:</b> 7263434	ESE	246.44	<u><a href="#">48</a></u>



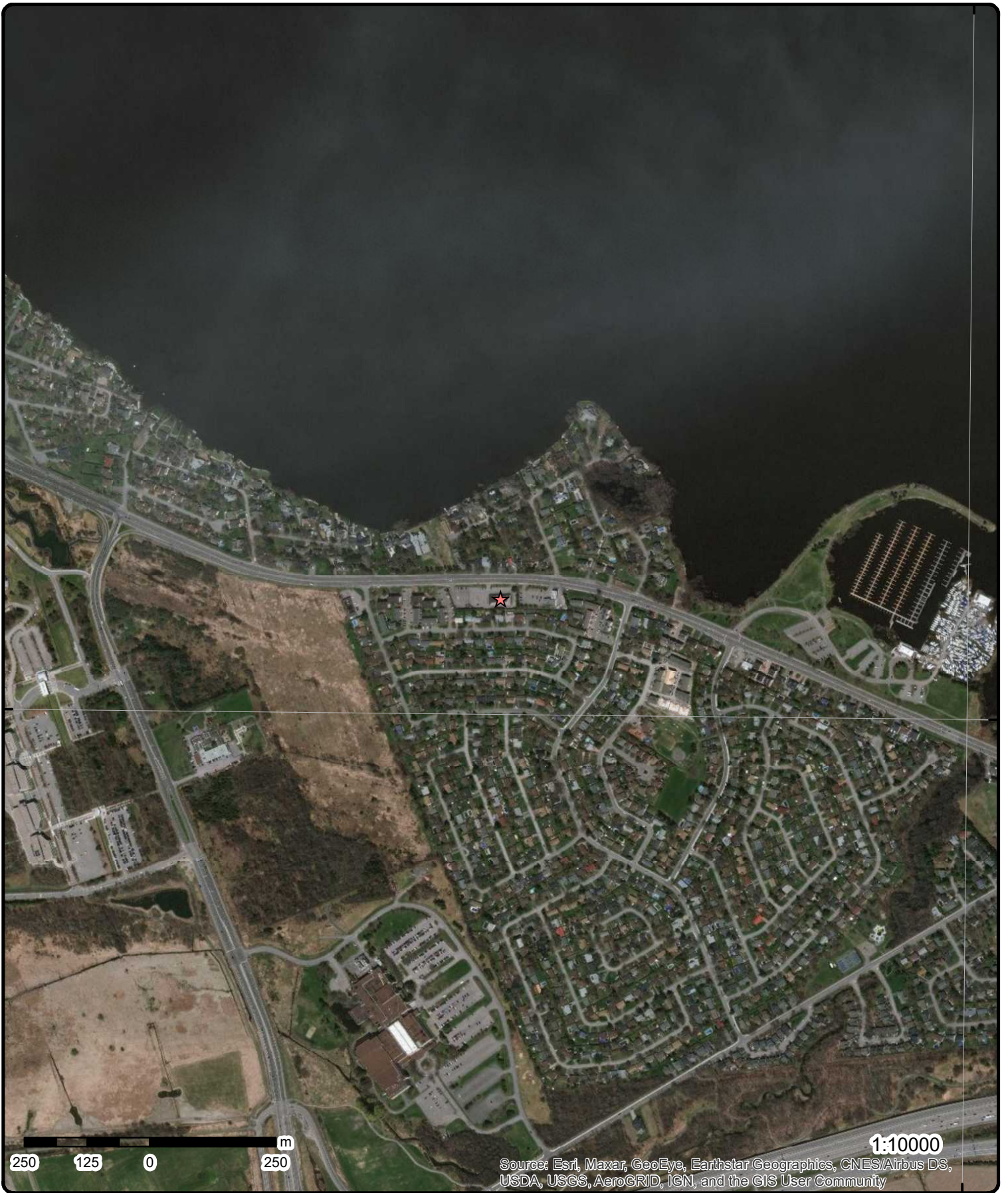
### Map : 0.25 Kilometer Radius

Order Number: 21012100004

Address: PE4556 -3430 Carling Ave, Ottawa, ON



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



250 125 0 250 m

1:10000

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

**Aerial** Year: 2015

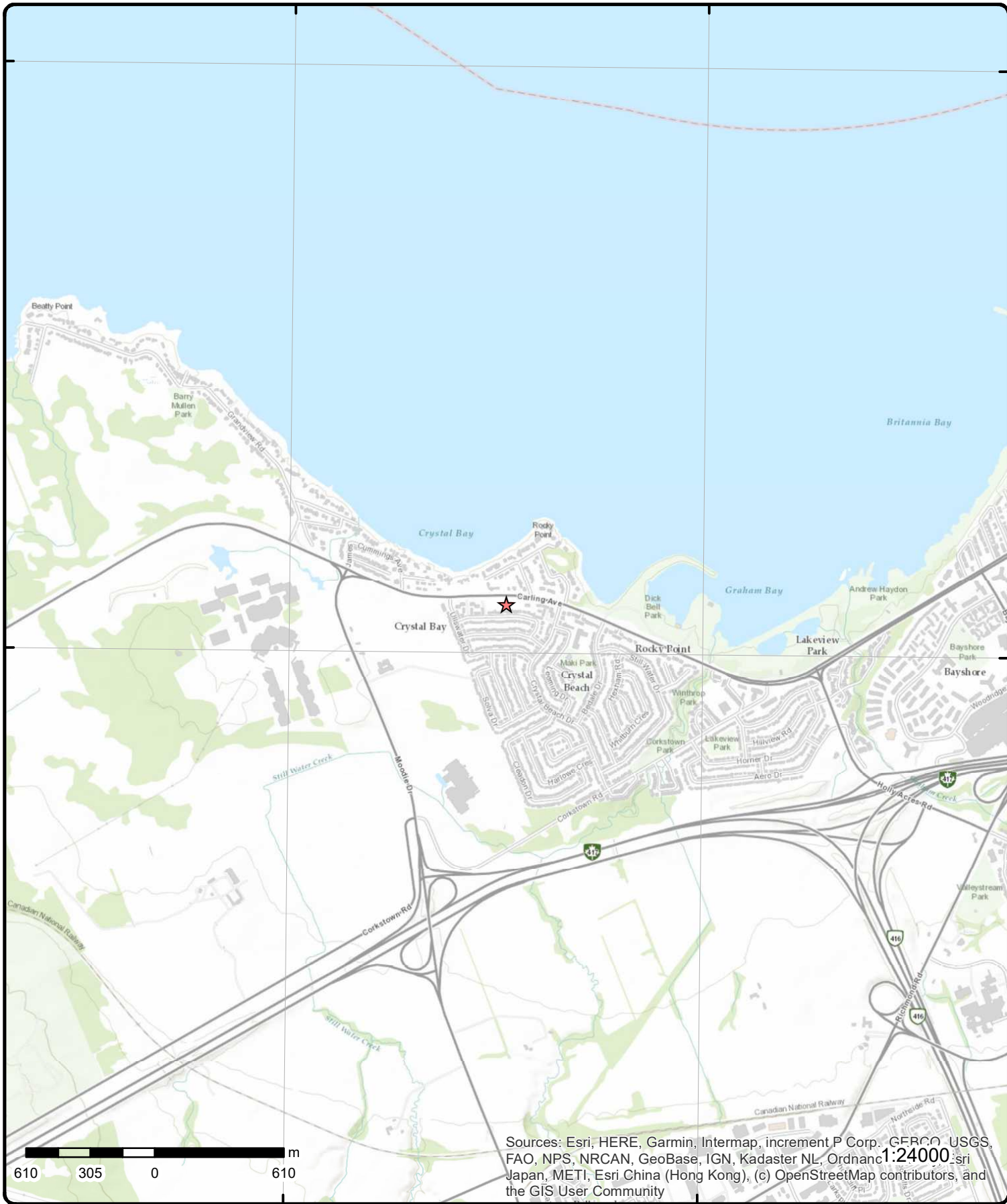
**Address: PE4556 -3430 Carling Ave, Ottawa, ON**

Source: ESRI World Imagery

Order Number: 21012100004



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# Topographic Map

Address: PE4556 -3430 Carling Ave, ON

Source: ESRI World Topographic Map

Order Number: 21012100004



© ERIS Information Limited Partnership

# Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">5</a>	1 of 1	W/72.5	63.9 / 0.00	lot 12 con 1 ON	WWIS

**Well ID:** 1503829  
**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:** 3/26/1951  
**Selected Flag:** Yes  
**Abandonment Rec:**  
**Contractor:** 3718  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** NEPEAN TOWNSHIP  
**Site Info:**  
**Lot:** 012  
**Concession:** 01  
**Concession Name:** OF  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1503829.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503829.pdf)

**Bore Hole Information**

**Bore Hole ID:** 10025872  
**DP2BR:** 59  
**Spatial Status:**  
**Code OB:** r  
**Code OB Desc:** Bedrock  
**Open Hole:**  
**Cluster Kind:**  
**Date Completed:** 3/5/1951  
**Remarks:**  
**Elevrc Desc:**  
**Location Source Date:**  
**Improvement Location Source:**  
**Improvement Location Method:**  
**Source Revision Comment:**  
**Supplier Comment:**

**Elevation:** 64.490478  
**Elevrc:**  
**Zone:** 18  
**East83:** 434375.6  
**North83:** 5022412  
**Org CS:**  
**UTMRC:** 9  
**UTMRC Desc:** unknown UTM  
**Location Method:** p9

**Overburden and Bedrock Materials Interval**

**Formation ID:** 930997667  
**Layer:** 1  
**Color:**  
**General Color:**  
**Mat1:** 05  
**Most Common Material:** CLAY

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		50			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		930997669			
<b>Layer:</b>		3			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		15			
<b>Most Common Material:</b>		LIMESTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		59			
<b>Formation End Depth:</b>		140			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		930997668			
<b>Layer:</b>		2			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		14			
<b>Most Common Material:</b>		HARDPAN			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		50			
<b>Formation End Depth:</b>		59			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>		961503829			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10574442			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930044498			
<b>Layer:</b>		1			
<b>Material:</b>		1			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		65			
<b>Casing Diameter:</b>		4			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930044499			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		140			
<b>Casing Diameter:</b>		4			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991503829			
<b>Pump Set At:</b>					
<b>Static Level:</b>		20			
<b>Final Level After Pumping:</b>		20			
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>		4			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		1			
<b>Pumping Duration MIN:</b>		0			
<b>Flowing:</b>		No			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933456824			
<b>Layer:</b>		3			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		130			
<b>Water Found Depth UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933456823			
<b>Layer:</b>		2			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		100			
<b>Water Found Depth UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933456822			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Found Depth:		80			
Water Found Depth UOM:		ft			

<u>1</u>	1 of 1	NNE/46.9	63.9 / 0.03	lot 12 con 1 ON	WWIS
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<b>Well ID:</b>	1503798	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic	<b>Date Received:</b>	1/7/1953
<b>Sec. Water Use:</b>	0	<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	3718
<b>Casing Material:</b>		<b>Form Version:</b>	1
<b>Audit No:</b>		<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	
<b>Construction Method:</b>		<b>County:</b>	OTTAWA
<b>Elevation (m):</b>		<b>Municipality:</b>	NEPEAN TOWNSHIP
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	012
<b>Well Depth:</b>		<b>Concession:</b>	01
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	OF
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1503798.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503798.pdf)

#### Bore Hole Information

<b>Bore Hole ID:</b>	10025841	<b>Elevation:</b>	64.581092
<b>DP2BR:</b>	45	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	434465.6
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5022447
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	5
<b>Date Completed:</b>	12/24/1952	<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Remarks:</b>		<b>Location Method:</b>	p5
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

#### Overburden and Bedrock

##### Materials Interval

<b>Formation ID:</b>	930997594
<b>Layer:</b>	1
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Mat1:</b>	05
<b>Most Common Material:</b>	CLAY
<b>Mat2:</b>	
<b>Mat2 Desc:</b>	
<b>Mat3:</b>	
<b>Mat3 Desc:</b>	
<b>Formation Top Depth:</b>	0
<b>Formation End Depth:</b>	10
<b>Formation End Depth UOM:</b>	ft



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
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**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 930997597  
**Layer:** 4  
**Color:**  
**General Color:**  
**Mat1:** 15  
**Most Common Material:** LIMESTONE  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 45  
**Formation End Depth:** 103  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 930997596  
**Layer:** 3  
**Color:**  
**General Color:**  
**Mat1:** 09  
**Most Common Material:** MEDIUM SAND  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 40  
**Formation End Depth:** 45  
**Formation End Depth UOM:** ft

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 930997595  
**Layer:** 2  
**Color:** 4  
**General Color:** GREEN  
**Mat1:** 05  
**Most Common Material:** CLAY  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:**  
**Mat3 Desc:**  
**Formation Top Depth:** 10  
**Formation End Depth:** 40  
**Formation End Depth UOM:** ft

**Method of Construction & Well  
Use**

**Method Construction ID:** 961503798  
**Method Construction Code:** 1  
**Method Construction:** Cable Tool  
**Other Method Construction:**

**Pipe Information**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Pipe ID:</b>		10574411			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930044436			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		27			
<b>Casing Diameter:</b>		5			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930044437			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		103			
<b>Casing Diameter:</b>		5			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991503798			
<b>Pump Set At:</b>					
<b>Static Level:</b>		6			
<b>Final Level After Pumping:</b>		16			
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>		5			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		0			
<b>Pumping Duration MIN:</b>		10			
<b>Flowing:</b>		No			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933456781			
<b>Layer:</b>		2			
<b>Kind Code:</b>		1			
<b>Kind:</b>		FRESH			
<b>Water Found Depth:</b>		50			
<b>Water Found Depth UOM:</b>		ft			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933456782			
<b>Layer:</b>		3			
<b>Kind Code:</b>		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Kind:		FRESH			
Water Found Depth:		80			
Water Found Depth UOM:		ft			
<b><u>Water Details</u></b>					
Water ID:		933456780			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		30			
Water Found Depth UOM:		ft			

<u>2</u>	1 of 1	NNE/47.1	63.9 / 0.03	ON	BORE
Borehole ID:	610860			Inclin FLG:	No
OGF ID:	215512370			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	DEC-1952			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.352472
Total Depth m:	31.4			Longitude DD:	-75.836639
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	434466
Drill Method:				Northing:	5022447
Orig Ground Elev m:	64			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	64.6				
Concession:					
Location D:					
Survey D:					
Comments:					

**Borehole Geology Stratum**

Geology Stratum ID:	218386750			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	3			Material Texture:	
Material Color:	Brown			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. BROWN.				
Geology Stratum ID:	218386751			Mat Consistency:	
Top Depth:	3			Material Moisture:	
Bottom Depth:	12.2			Material Texture:	
Material Color:	Green			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. GREEN.				
Geology Stratum ID:	218386752			Mat Consistency:	
Top Depth:	12.2			Material Moisture:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Bottom Depth:</b> <b>Material Color:</b> <b>Material 1:</b> <b>Material 2:</b> <b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b>	13.7 Sand	SAND.		<b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>	
<b>Geology Stratum ID:</b> <b>Top Depth:</b> <b>Bottom Depth:</b> <b>Material Color:</b> <b>Material 1:</b> <b>Material 2:</b> <b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b>	218386753 13.7 31.4 Limestone	LIMESTONE. 0005000155BEDROCK,DOLOMITE. 00000 030 00000025Y,SAND. VERY LOOSE. UN **Note: Many records provided by the department have a truncated [Stratum Description] field.		<b>Mat Consistency:</b> <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>	Loose
<b>Source</b>					
<b>Source Type:</b> <b>Source Orig:</b> <b>Source Date:</b> <b>Confidence:</b> <b>Observatio:</b> <b>Source Name:</b> <b>Source Details:</b> <b>Confiden 1:</b>	Data Survey Geological Survey of Canada 1956-1972			<b>Source Appl:</b> <b>Source Iden:</b> <b>Scale or Res:</b> <b>Horizontal:</b> <b>Verticalda:</b>	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level
Urban Geology Automated Information System (UGAIS) File: OTTAWA1.txt RecordID: 03368 NTS_Sheet:					
<b>Source List</b>					
<b>Source Identifier:</b> <b>Source Type:</b> <b>Source Date:</b> <b>Scale or Resolution:</b> <b>Source Name:</b> <b>Source Originators:</b>	1 Data Survey 1956-1972 Varies			<b>Horizontal Datum:</b> <b>Vertical Datum:</b> <b>Projection Name:</b>	NAD27 Mean Average Sea Level Universal Transverse Mercator
Urban Geology Automated Information System (UGAIS) Geological Survey of Canada					
<u>3</u>	1 of 1	NE/49.1	63.9 / 0.03	lot 12 con 1 ON	WWIS
<b>Well ID:</b> <b>Construction Date:</b> <b>Primary Water Use:</b> <b>Sec. Water Use:</b> <b>Final Well Status:</b> <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> <b>Tag:</b> <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b>	1503799 Domestic 0 Water Supply			<b>Data Entry Status:</b> <b>Data Src:</b> <b>Date Received:</b> <b>Selected Flag:</b> <b>Abandonment Rec:</b> <b>Contractor:</b> <b>Form Version:</b> <b>Owner:</b> <b>Street Name:</b> <b>County:</b> <b>Municipality:</b> <b>Site Info:</b> <b>Lot:</b> <b>Concession:</b> <b>Concession Name:</b> <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>	1 6/15/1953 Yes 3566 1 OTTAWA NEPEAN TOWNSHIP 012 01 OF

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<i>Clear/Cloudy:</i>					
<b>PDF URL (Map):</b>	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503799.pdf				
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	10025842			<b>Elevation:</b>	64.593032
<b>DP2BR:</b>				<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b>	18
<b>Code OB:</b>	x			<b>East83:</b>	434470.6
<b>Code OB Desc:</b>	Unknown type in the lower layers(s)			<b>North83:</b>	5022447
<b>Open Hole:</b>				<b>Org CS:</b>	
<b>Cluster Kind:</b>				<b>UTMRC:</b>	9
<b>Date Completed:</b>	5/11/1953			<b>UTMRC Desc:</b>	unknown UTM
<b>Remarks:</b>				<b>Location Method:</b>	p9
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	930997599				
<b>Layer:</b>	2				
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>	14				
<b>Most Common Material:</b>	HARDPAN				
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>	30				
<b>Formation End Depth:</b>	43				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	930997598				
<b>Layer:</b>	1				
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>	05				
<b>Most Common Material:</b>	CLAY				
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>	0				
<b>Formation End Depth:</b>	30				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	930997600				
<b>Layer:</b>	3				
<b>Color:</b>	0				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>General Color:</b>					
<b>Mat1:</b>		00			
<b>Most Common Material:</b>		UNKNOWN TYPE			
<b>Mat2:</b>		00			
<b>Mat2 Desc:</b>		UNKNOWN TYPE			
<b>Mat3:</b>		00			
<b>Mat3 Desc:</b>		UNKNOWN TYPE			
<b>Formation Top Depth:</b>		43			
<b>Formation End Depth:</b>		100			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961503799			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10574412			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930044438			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		43			
<b>Casing Diameter:</b>		5			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991503799			
<b>Pump Set At:</b>					
<b>Static Level:</b>		18			
<b>Final Level After Pumping:</b>		26			
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>		7			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		0			
<b>Pumping Duration MIN:</b>		30			
<b>Flowing:</b>		No			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		933456783			
<b>Layer:</b>		1			
<b>Kind Code:</b>		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Kind:		FRESH			
Water Found Depth:		60			
Water Found Depth UOM:		ft			
<b><u>Water Details</u></b>					
Water ID:		933456784			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		100			
Water Found Depth UOM:		ft			

<a href="#">4</a>	1 of 1	E/70.1	63.9 / 0.00	3420 CARLING AVE Ottawa ON	WWIS
Well ID:	7204222			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring and Test Hole			Date Received:	7/5/2013
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Test Hole			Abandonment Rec:	
Water Type:				Contractor:	7241
Casing Material:				Form Version:	7
Audit No:	Z168614			Owner:	
Tag:	A146648			Street Name:	3420 CARLING AVE
Construction Method:				County:	OTTAWA
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:					

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/720\7204222.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7204222.pdf)

**Bore Hole Information**

Bore Hole ID:	1004395860	Elevation:	64.401229
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434517
Code OB Desc:		North83:	5022394
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	5/28/2013	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:			

**Overburden and Bedrock**

**Materials Interval**

Formation ID:	1004809369
Layer:	2

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Color:</b>	2				
<b>General Color:</b>		GREY			
<b>Mat1:</b>		06			
<b>Most Common Material:</b>		SILT			
<b>Mat2:</b>		05			
<b>Mat2 Desc:</b>		CLAY			
<b>Mat3:</b>		85			
<b>Mat3 Desc:</b>		SOFT			
<b>Formation Top Depth:</b>		.31			
<b>Formation End Depth:</b>		1.5			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1004809370			
<b>Layer:</b>		3			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		06			
<b>Most Common Material:</b>		SILT			
<b>Mat2:</b>		05			
<b>Mat2 Desc:</b>		CLAY			
<b>Mat3:</b>		85			
<b>Mat3 Desc:</b>		SOFT			
<b>Formation Top Depth:</b>		1.5			
<b>Formation End Depth:</b>		4.57			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1004809368			
<b>Layer:</b>		1			
<b>Color:</b>		8			
<b>General Color:</b>		BLACK			
<b>Mat1:</b>		02			
<b>Most Common Material:</b>		TOPSOIL			
<b>Mat2:</b>		28			
<b>Mat2 Desc:</b>		SAND			
<b>Mat3:</b>		77			
<b>Mat3 Desc:</b>		LOOSE			
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		.31			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1004809379			
<b>Layer:</b>		2			
<b>Plug From:</b>		0.31			
<b>Plug To:</b>		1.22			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1004809378			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		0.31			



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1004809380			
<b>Layer:</b>		3			
<b>Plug From:</b>		1.22			
<b>Plug To:</b>		4.57			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1004809377			
<b>Method Construction Code:</b>		B			
<b>Method Construction:</b>		Other Method			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1004809367			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1004809373			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0			
<b>Depth To:</b>		1.5			
<b>Casing Diameter:</b>		4.03			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1004809374			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		1.5			
<b>Screen End Depth:</b>		4.57			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			
<b>Screen Diameter:</b>		4.82			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1004809372			
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>		m			
<b><u>Hole Diameter</u></b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Hole ID:		1004809371			
Diameter:		8.25			
Depth From:		0			
Depth To:		4.57			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

<a href="#">6</a>	1 of 1	WSW/83.3	63.8 / -0.03	lot 12 con 1 ON	WWIS
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<b>Well ID:</b>	1503800	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Commerical	<b>Date Received:</b>	6/15/1953
<b>Sec. Water Use:</b>	0	<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>	Water Supply	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	3566
<b>Casing Material:</b>		<b>Form Version:</b>	1
<b>Audit No:</b>		<b>Owner:</b>	
<b>Tag:</b>		<b>Street Name:</b>	
<b>Construction Method:</b>		<b>County:</b>	OTTAWA
<b>Elevation (m):</b>		<b>Municipality:</b>	NEPEAN TOWNSHIP
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	012
<b>Well Depth:</b>		<b>Concession:</b>	01
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	OF
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1503800.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503800.pdf)

#### Bore Hole Information

<b>Bore Hole ID:</b>	10025843	<b>Elevation:</b>	64.565086
<b>DP2BR:</b>	35	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	434370.6
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5022372
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	9
<b>Date Completed:</b>	5/27/1953	<b>UTMRC Desc:</b>	unknown UTM
<b>Remarks:</b>		<b>Location Method:</b>	p9
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

#### Overburden and Bedrock Materials Interval

<b>Formation ID:</b>	930997603
<b>Layer:</b>	3
<b>Color:</b>	
<b>General Color:</b>	
<b>Mat1:</b>	15
<b>Most Common Material:</b>	LIMESTONE
<b>Mat2:</b>	
<b>Mat2 Desc:</b>	

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		35			
<b>Formation End Depth:</b>		118			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		930997601			
<b>Layer:</b>		1			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		25			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		930997602			
<b>Layer:</b>		2			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		14			
<b>Most Common Material:</b>		HARDPAN			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		25			
<b>Formation End Depth:</b>		35			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961503800			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10574413			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930044439			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth To:		37			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<b><u>Construction Record - Casing</u></b>					
Casing ID:		930044440			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		118			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<b><u>Results of Well Yield Testing</u></b>					
Pump Test ID:		991503800			
Pump Set At:					
Static Level:		15			
Final Level After Pumping:		26			
Recommended Pump Depth:					
Pumping Rate:		8			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		0			
Pumping Duration MIN:		30			
Flowing:		No			
<b><u>Water Details</u></b>					
Water ID:		933456786			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		118			
Water Found Depth UOM:		ft			
<b><u>Water Details</u></b>					
Water ID:		933456785			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		60			
Water Found Depth UOM:		ft			
<a href="#">7</a>	1 of 14	E/84.7	63.9 / 0.00	MACEWEN PETROLEUM INC 3420 CARLING AVE NEPEAN ON K2H 5B1	RST
Headcode:		01186800			
Headcode Desc:		SERVICE STATIONS-GASOLINE, OIL & NATURAL GAS			
Phone:					
List Name:					

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

<a href="#">7</a>	2 of 14	E/84.7	63.9 / 0.00	RALPH & SONS DINER LTD 3420 CARLING AV NEPEAN ON K2H 5B1	FSTH
<b>License Issue Date:</b>		1/26/2004			
<b>Tank Status:</b>		Licensed			
<b>Tank Status As Of:</b>		August 2007			
<b>Operation Type:</b>		Retail Fuel Outlet			
<b>Facility Type:</b>		Gasoline Station - Self Serve			
<b>--Details--</b>					
<b>Status:</b>		Active			
<b>Year of Installation:</b>		1995			
<b>Corrosion Protection:</b>					
<b>Capacity:</b>		35000			
<b>Tank Fuel Type:</b>		Liquid Fuel Double Wall UST - Gasoline			
<b>Status:</b>		Active			
<b>Year of Installation:</b>		1995			
<b>Corrosion Protection:</b>					
<b>Capacity:</b>		35000			
<b>Tank Fuel Type:</b>		Liquid Fuel Double Wall UST - Gasoline			
<b>Status:</b>		Active			
<b>Year of Installation:</b>		1995			
<b>Corrosion Protection:</b>					
<b>Capacity:</b>		35000			
<b>Tank Fuel Type:</b>		Liquid Fuel Double Wall UST - Gasoline			
<b>Status:</b>		Active			
<b>Year of Installation:</b>		1995			
<b>Corrosion Protection:</b>					
<b>Capacity:</b>		15000			
<b>Tank Fuel Type:</b>		Liquid Fuel Double Wall UST - Gasoline			

<a href="#">7</a>	3 of 14	E/84.7	63.9 / 0.00	RALPH & SONS DINER LTD 3420 CARLING AV NEPEAN ON K2H 5B1	FSTH
<b>License Issue Date:</b>		1/26/2004 11:06:00 AM			
<b>Tank Status:</b>		Licensed			
<b>Tank Status As Of:</b>		December 2008			
<b>Operation Type:</b>		Retail Fuel Outlet			
<b>Facility Type:</b>		Gasoline Station - Self Serve			
<b>--Details--</b>					
<b>Status:</b>		Active			
<b>Year of Installation:</b>		1995			
<b>Corrosion Protection:</b>					
<b>Capacity:</b>		35000			
<b>Tank Fuel Type:</b>		Liquid Fuel Double Wall UST - Gasoline			
<b>Status:</b>		Active			
<b>Year of Installation:</b>		1995			
<b>Corrosion Protection:</b>					
<b>Capacity:</b>		35000			
<b>Tank Fuel Type:</b>		Liquid Fuel Double Wall UST - Gasoline			
<b>Status:</b>		Active			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Year of Installation:</b>		1995			
<b>Corrosion Protection:</b>					
<b>Capacity:</b>		35000			
<b>Tank Fuel Type:</b>		Liquid Fuel Double Wall UST - Gasoline			
<b>Status:</b>		Active			
<b>Year of Installation:</b>		1995			
<b>Corrosion Protection:</b>					
<b>Capacity:</b>		15000			
<b>Tank Fuel Type:</b>		Liquid Fuel Double Wall UST - Gasoline			

<a href="#">7</a>	4 of 14	E/84.7	63.9 / 0.00	RALPH & SONS DINER LTD 3420 CARLING AV NEPEAN K2H 5B1 ON CA 3420 CARLING AV NEPEAN K2H 5B1 ON CA ON	FST
<b>Instance No:</b>		11448412		<b>Manufacturer:</b> NULL	
<b>Status:</b>		Active		<b>Serial No:</b> NULL	
<b>Cont Name:</b>				<b>Ulc Standard:</b> NULL	
<b>Instance Type:</b>		FS Liquid Fuel Tank		<b>Quantity:</b> 1	
<b>Item:</b>		FS LIQUID FUEL TANK		<b>Unit of Measure:</b> EA	
<b>Item Description:</b>		FS Liquid Fuel Tank		<b>Fuel Type:</b> Gasoline	
<b>Tank Type:</b>		Double Wall UST		<b>Fuel Type2:</b> NULL	
<b>Install Date:</b>		6/2/2009		<b>Fuel Type3:</b> NULL	
<b>Install Year:</b>		1995		<b>Piping Steel:</b>	
<b>Years in Service:</b>		1.8		<b>Piping Galvanized:</b>	
<b>Model:</b>		NULL		<b>Tanks Single Wall St:</b>	
<b>Description:</b>				<b>Piping Underground:</b>	
<b>Capacity:</b>		25000		<b>Num Underground:</b>	
<b>Tank Material:</b>		Steel		<b>Panam Related:</b> NULL	
<b>Corrosion Protect:</b>		Sacrificial anode		<b>Panam Venue:</b> NULL	
<b>Overfill Protect:</b>					
<b>Facility Type:</b>		FS Liquid Fuel Tank			
<b>Parent Facility Type:</b>		FS Gasoline Station - Self Serve			
<b>Facility Location:</b>		3420 CARLING AV NEPEAN K2H 5B1 ON CA			
<b>Device Installed Location:</b>		3420 CARLING AV NEPEAN K2H 5B1 ON CA			
<b>Fuel Storage Tank Details</b>					
<b>Owner Account Name:</b>		RALPH & SONS DINER LTD			
<b>Liquid Fuel Tank Details</b>					
<b>Overfill Protection:</b>		NULL			
<b>Owner Account Name:</b>		RALPH & SONS DINER LTD			

<a href="#">7</a>	5 of 14	E/84.7	63.9 / 0.00	RALPH & SONS DINER LTD 3420 CARLING AV NEPEAN K2H 5B1 ON CA 3420 CARLING AV NEPEAN K2H 5B1 ON CA ON	FST
<b>Instance No:</b>		11448385		<b>Manufacturer:</b> NULL	
<b>Status:</b>		Active		<b>Serial No:</b> NULL	
<b>Cont Name:</b>				<b>Ulc Standard:</b> NULL	
<b>Instance Type:</b>		FS Liquid Fuel Tank		<b>Quantity:</b> 1	
<b>Item:</b>		FS LIQUID FUEL TANK		<b>Unit of Measure:</b> EA	
<b>Item Description:</b>		FS Liquid Fuel Tank		<b>Fuel Type:</b> Gasoline	
<b>Tank Type:</b>		Double Wall UST		<b>Fuel Type2:</b> NULL	
<b>Install Date:</b>		6/2/2009		<b>Fuel Type3:</b> NULL	
<b>Install Year:</b>		1995		<b>Piping Steel:</b>	
<b>Years in Service:</b>		1.8		<b>Piping Galvanized:</b>	
<b>Model:</b>		NULL		<b>Tanks Single Wall St:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Description:</b>				<b>Piping Underground:</b>	
<b>Capacity:</b>	25000			<b>Num Underground:</b>	
<b>Tank Material:</b>	Steel			<b>Panam Related:</b>	NULL
<b>Corrosion Protect:</b>	Sacrificial anode			<b>Panam Venue:</b>	NULL
<b>Overfill Protect:</b>					
<b>Facility Type:</b>	FS Liquid Fuel Tank				
<b>Parent Facility Type:</b>	FS Gasoline Station - Self Serve				
<b>Facility Location:</b>	3420 CARLING AV NEPEAN K2H 5B1 ON CA				
<b>Device Installed Location:</b>	3420 CARLING AV NEPEAN K2H 5B1 ON CA				
<b><u>Fuel Storage Tank Details</u></b>					
<b>Owner Account Name:</b>	RALPH & SONS DINER LTD				
<b><u>Liquid Fuel Tank Details</u></b>					
<b>Overfill Protection:</b>	NULL				
<b>Owner Account Name:</b>	RALPH & SONS DINER LTD				

<a href="#">7</a>	6 of 14	E/84.7	63.9 / 0.00	RALPH & SONS DINER LTD 3420 CARLING AV NEPEAN K2H 5B1 ON CA 3420 CARLING AV NEPEAN K2H 5B1 ON CA ON	FST
<b>Instance No:</b>	11448447			<b>Manufacturer:</b>	NULL
<b>Status:</b>	Active			<b>Serial No:</b>	NULL
<b>Cont Name:</b>				<b>Ulc Standard:</b>	NULL
<b>Instance Type:</b>	FS Liquid Fuel Tank			<b>Quantity:</b>	1
<b>Item:</b>	FS LIQUID FUEL TANK			<b>Unit of Measure:</b>	EA
<b>Item Description:</b>	FS Liquid Fuel Tank			<b>Fuel Type:</b>	Gasoline
<b>Tank Type:</b>	Double Wall UST			<b>Fuel Type2:</b>	NULL
<b>Install Date:</b>	6/2/2009			<b>Fuel Type3:</b>	NULL
<b>Install Year:</b>	1995			<b>Piping Steel:</b>	
<b>Years in Service:</b>	1.8			<b>Piping Galvanized:</b>	
<b>Model:</b>	NULL			<b>Tanks Single Wall St:</b>	
<b>Description:</b>				<b>Piping Underground:</b>	
<b>Capacity:</b>	15000			<b>Num Underground:</b>	
<b>Tank Material:</b>	Steel			<b>Panam Related:</b>	NULL
<b>Corrosion Protect:</b>	Sacrificial anode			<b>Panam Venue:</b>	NULL
<b>Overfill Protect:</b>					
<b>Facility Type:</b>	FS Liquid Fuel Tank				
<b>Parent Facility Type:</b>	FS Gasoline Station - Self Serve				
<b>Facility Location:</b>	3420 CARLING AV NEPEAN K2H 5B1 ON CA				
<b>Device Installed Location:</b>	3420 CARLING AV NEPEAN K2H 5B1 ON CA				
<b><u>Fuel Storage Tank Details</u></b>					
<b>Owner Account Name:</b>	RALPH & SONS DINER LTD				
<b><u>Liquid Fuel Tank Details</u></b>					
<b>Overfill Protection:</b>	NULL				
<b>Owner Account Name:</b>	RALPH & SONS DINER LTD				

<a href="#">7</a>	7 of 14	E/84.7	63.9 / 0.00	RALPH & SONS DINER LTD 3420 CARLING AV NEPEAN K2H 5B1 ON CA 3420 CARLING AV NEPEAN K2H 5B1 ON CA ON	FST
<b>Instance No:</b>	11448430			<b>Manufacturer:</b>	NULL
<b>Status:</b>	Active			<b>Serial No:</b>	NULL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Cont Name:</b> <b>Instance Type:</b> FS Liquid Fuel Tank <b>Item:</b> FS LIQUID FUEL TANK <b>Item Description:</b> FS Liquid Fuel Tank <b>Tank Type:</b> Double Wall UST <b>Install Date:</b> 6/2/2009 <b>Install Year:</b> 1995 <b>Years in Service:</b> 1.8 <b>Model:</b> NULL <b>Description:</b> <b>Capacity:</b> 25000 <b>Tank Material:</b> Steel <b>Corrosion Protect:</b> Sacrificial anode <b>Overfill Protect:</b> <b>Facility Type:</b> FS Liquid Fuel Tank <b>Parent Facility Type:</b> FS Gasoline Station - Self Serve <b>Facility Location:</b> 3420 CARLING AV NEPEAN K2H 5B1 ON CA <b>Device Installed Location:</b> 3420 CARLING AV NEPEAN K2H 5B1 ON CA					
<b>Ulc Standard:</b> NULL <b>Quantity:</b> 1 <b>Unit of Measure:</b> EA <b>Fuel Type:</b> Gasoline <b>Fuel Type2:</b> NULL <b>Fuel Type3:</b> NULL <b>Piping Steel:</b> <b>Piping Galvanized:</b> <b>Tanks Single Wall St:</b> <b>Piping Underground:</b> <b>Num Underground:</b> <b>Panam Related:</b> NULL <b>Panam Venue:</b> NULL					
<b><u>Fuel Storage Tank Details</u></b>					
<b>Owner Account Name:</b> RALPH & SONS DINER LTD					
<b><u>Liquid Fuel Tank Details</u></b>					
<b>Overfill Protection:</b> NULL					
<b>Owner Account Name:</b> RALPH & SONS DINER LTD					
<a href="#">7</a>	8 of 14	E/84.7	63.9 / 0.00	MACEWEN PETROLEUM INC 3420 CARLING AVE NEPEAN ON K2H5B1	RST
<b>Headcode:</b> 01186800 <b>Headcode Desc:</b> SERVICE STATIONS GASOLINE OIL & NATURAL GAS <b>Phone:</b> 6138280728 <b>List Name:</b> INFO-DIRECT(TM) BUSINESS FILE <b>Description:</b>					
<a href="#">7</a>	9 of 14	E/84.7	63.9 / 0.00	Ralph & Son`s Diner Ltd. 3420 Carling Ave Ottawa ON	GEN
<b>Generator No:</b> ON5792288 <b>Status:</b> <b>Approval Years:</b> 2013 <b>Contam. Facility:</b> <b>MHSW Facility:</b> <b>SIC Code:</b> 447110 <b>SIC Description:</b>					
<b><u>Detail(s)</u></b>					
<b>Waste Class:</b> 221					
<b>Waste Class Desc:</b> LIGHT FUELS					
<a href="#">7</a>	10 of 14	E/84.7	63.9 / 0.00	Ralph & Son`s Diner Ltd. 3420 Carling Ave Ottawa ON K2H5B1	GEN
<b>Generator No:</b> ON5792288					
<b>PO Box No:</b>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Status:</b>				<b>Country:</b> Canada	
<b>Approval Years:</b>	2014			<b>Choice of Contact:</b> CO_OFFICIAL	
<b>Contam. Facility:</b>	No			<b>Co Admin:</b>	
<b>MHSW Facility:</b>	No			<b>Phone No Admin:</b>	
<b>SIC Code:</b>	447110				
<b>SIC Description:</b>		447110			
<b>Detail(s)</b>					
<b>Waste Class:</b>		221			
<b>Waste Class Desc:</b>		LIGHT FUELS			

<u>7</u>	11 of 14	E/84.7	63.9 / 0.00	3420 Carling Ave, Nepean Ottawa ON	SPL
<b>Ref No:</b>	6334-ANJQBY			<b>Discharger Report:</b>	
<b>Site No:</b>				<b>Material Group:</b>	
<b>Incident Dt:</b>	6/21/2017			<b>Health/Env Conseq:</b>	2 - Minor Environment
<b>Year:</b>				<b>Client Type:</b>	
<b>Incident Cause:</b>				<b>Sector Type:</b>	Miscellaneous Communal
<b>Incident Event:</b>	Leak/Break			<b>Agency Involved:</b>	
<b>Contaminant Code:</b>	12			<b>Nearest Watercourse:</b>	
<b>Contaminant Name:</b>	GASOLINE			<b>Site Address:</b>	3420 Carling Ave, Nepean
<b>Contaminant Limit 1:</b>	25			<b>Site District Office:</b>	Ottawa
<b>Contam Limit Freq 1:</b>	any			<b>Site Postal Code:</b>	
<b>Contaminant UN No 1:</b>	1203			<b>Site Region:</b>	Eastern
<b>Environment Impact:</b>				<b>Site Municipality:</b>	Ottawa
<b>Nature of Impact:</b>				<b>Site Lot:</b>	
<b>Receiving Medium:</b>				<b>Site Conc:</b>	
<b>Receiving Env:</b>	Land			<b>Northing:</b>	5022431.78
<b>MOE Response:</b>				<b>Easting:</b>	434546.88
<b>Dt MOE Arvl on Scrn:</b>				<b>Site Geo Ref Accu:</b>	
<b>MOE Reported Dt:</b>	6/21/2017			<b>Site Map Datum:</b>	
<b>Dt Document Closed:</b>				<b>SAC Action Class:</b>	
<b>Incident Reason:</b>	Equipment Failure			<b>Source Type:</b>	Service Station
<b>Site Name:</b>	Service station<UNOFFICIAL>				
<b>Site County/District:</b>					
<b>Site Geo Ref Meth:</b>					
<b>Incident Summary:</b>	TSSA FSB hose malfunction on gas pump, minor gas spill, cleaned				
<b>Contaminant Qty:</b>	13 L				

<u>7</u>	12 of 14	E/84.7	63.9 / 0.00	RALPH & SONS DINER LTD 3420 CARLING AV,,NEPEAN,ON,K2H 5B1,CA ON	INC
<b>Incident No:</b>	1012906			<b>Any Health Impact:</b>	
<b>Incident ID:</b>				<b>Any Enviro Impact:</b>	
<b>Instance No:</b>	10143414			<b>Service Interrupted:</b>	
<b>Status Code:</b>				<b>Was Prop Damaged:</b>	
<b>Attribute Category:</b>	FS-Incident			<b>Reside App. Type:</b>	
<b>Context:</b>	FS Facility			<b>Commer App. Type:</b>	
<b>Date of Occurrence:</b>	1/15/2013			<b>Indus App. Type:</b>	
<b>Time of Occurrence:</b>				<b>Institut App. Type:</b>	
<b>Incident Created On:</b>	1/15/2013			<b>Venting Type:</b>	
<b>Instance Creation Dt:</b>	7/19/2000 8:15:15 PM			<b>Vent Conn Mater:</b>	
<b>Instance Install Dt:</b>	7/19/2000 8:15:15 PM			<b>Vent Chimney Mater:</b>	
<b>Occur Insp Start Date:</b>				<b>Pipeline Type:</b>	
<b>Approx Quant Rel:</b>				<b>Pipeline Involved:</b>	
<b>Tank Capacity:</b>				<b>Pipe Material:</b>	
<b>Fuels Occur Type:</b>				<b>Depth Ground Cover:</b>	
<b>Fuel Type Involved:</b>				<b>Regulator Location:</b>	
<b>Enforcement Policy:</b>				<b>Regulator Type:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Prc Escalation Req:</b> <b>Tank Material Type:</b> <b>Tank Storage Type:</b> <b>Tank Location Type:</b> <b>Pump Flow Rate Cap:</b> <b>Task No:</b> <b>Notes:</b> <b>Drainage System:</b> <b>Sub Surface Contam.:</b> <b>Aff Prop Use Water:</b> <b>Contam. Migrated:</b> <b>Contact Natural Env:</b> <b>Incident Location:</b> <b>Occurrence Narrative:</b> <b>Operation Type Involved:</b> <b>Item:</b> <b>Item Description:</b> <b>Device Installed Location:</b>		3420 CARLING AV,,NEPEAN,ON,K2H 5B1,CA  FS GASOLINE STATION - SELF SERVE FS Gasoline Station - Self Serve 3420 CARLING AV NEPEAN K2H 5B1 ON CA		<b>Operation Pressure:</b> <b>Liquid Prop Make:</b> <b>Liquid Prop Model:</b> <b>Liquid Prop Serial No:</b> <b>Liquid Prop Notes:</b> <b>Equipment Type:</b> <b>Equipment Model:</b> <b>Serial No:</b> <b>Cylinder Capacity:</b> <b>Cylinder Cap Units:</b> <b>Cylinder Mat Type:</b> <b>Near Body of Water:</b>	
<a href="#">7</a>	13 of 14	E/84.7	63.9 / 0.00	<b>RALPH &amp; SONS DINER LTD</b> <b>3420 CARLING AV,,NEPEAN,ON,K2H 5B1,CA</b> <b>ON</b>	INC
<b>Incident No:</b> <b>Incident ID:</b> <b>Instance No:</b> <b>Status Code:</b> <b>Attribute Category:</b> <b>Context:</b> <b>Date of Occurrence:</b> <b>Time of Occurrence:</b> <b>Incident Created On:</b> <b>Instance Creation Dt:</b> <b>Instance Install Dt:</b> <b>Occur Insp Start Date:</b> <b>Approx Quant Rel:</b> <b>Tank Capacity:</b> <b>Fuels Occur Type:</b> <b>Fuel Type Involved:</b> <b>Enforcement Policy:</b> <b>Prc Escalation Req:</b> <b>Tank Material Type:</b> <b>Tank Storage Type:</b> <b>Tank Location Type:</b> <b>Pump Flow Rate Cap:</b> <b>Task No:</b> <b>Notes:</b> <b>Drainage System:</b> <b>Sub Surface Contam.:</b> <b>Aff Prop Use Water:</b> <b>Contam. Migrated:</b> <b>Contact Natural Env:</b> <b>Incident Location:</b> <b>Occurrence Narrative:</b> <b>Operation Type Involved:</b> <b>Item:</b> <b>Item Description:</b> <b>Device Installed Location:</b>		2102062 10143414 FS-Incident FS Facility 6/22/2017 6/22/2017 7/19/2000 8:15:15 PM 7/19/2000 8:15:15 PM		<b>Any Health Impact:</b> <b>Any Enviro Impact:</b> <b>Service Interrupted:</b> <b>Was Prop Damaged:</b> <b>Reside App. Type:</b> <b>Commer App. Type:</b> <b>Indus App. Type:</b> <b>Institut App. Type:</b> <b>Venting Type:</b> <b>Vent Conn Mater:</b> <b>Vent Chimney Mater:</b> <b>Pipeline Type:</b> <b>Pipeline Involved:</b> <b>Pipe Material:</b> <b>Depth Ground Cover:</b> <b>Regulator Location:</b> <b>Regulator Type:</b> <b>Operation Pressure:</b> <b>Liquid Prop Make:</b> <b>Liquid Prop Model:</b> <b>Liquid Prop Serial No:</b> <b>Liquid Prop Notes:</b> <b>Equipment Type:</b> <b>Equipment Model:</b> <b>Serial No:</b> <b>Cylinder Capacity:</b> <b>Cylinder Cap Units:</b> <b>Cylinder Mat Type:</b> <b>Near Body of Water:</b>	
<a href="#">7</a>	14 of 14	E/84.7	63.9 / 0.00	<b>3420 CARLING AV</b> <b>NEPEAN ON K2H 5B1</b>	FST

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Instance No:	10143414			Manufacturer:	
Status:	Active			Serial No:	
Cont Name:				Ulc Standard:	
Instance Type:				Quantity:	
Item:	FS GASOLINE STATION - SELF SERVE			Unit of Measure:	
Item Description:				Fuel Type:	
Tank Type:				Fuel Type2:	
Install Date:				Fuel Type3:	
Install Year:				Piping Steel:	0
Years in Service:				Piping Galvanized:	0
Model:				Tanks Single Wall St:	0
Description:				Piping Underground:	4
Capacity:				Num Underground:	4
Tank Material:				Panam Related:	
Corrosion Protect:				Panam Venue:	
Overfill Protect:					
Facility Type:					
Parent Facility Type:					
Facility Location:					
Device Installed Location:					

<u>8</u>	1 of 1	E/101.0	63.9 / 0.00	3420 CARLING AVE Ottawa ON	WWIS
Well ID:	7204224			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring and Test Hole			Date Received:	7/5/2013
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Test Hole			Abandonment Rec:	
Water Type:				Contractor:	7241
Casing Material:				Form Version:	7
Audit No:	Z168617			Owner:	
Tag:	A146649			Street Name:	3420 CARLING AVE
Construction Method:				County:	OTTAWA
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:					
PDF URL (Map):	<a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7204224.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7204224.pdf</a>				

#### Bore Hole Information

Bore Hole ID:	1004396074	Elevation:	64.757682
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434548
Code OB Desc:		North83:	5022415
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	5/28/2013	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:			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
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**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 1004809397  
**Layer:** 2  
**Color:** 6  
**General Color:** BROWN  
**Mat1:** 28  
**Most Common Material:** SAND  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:** 85  
**Mat3 Desc:** SOFT  
**Formation Top Depth:** .31  
**Formation End Depth:** 3.1  
**Formation End Depth UOM:** m

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 1004809398  
**Layer:** 3  
**Color:** 2  
**General Color:** GREY  
**Mat1:** 06  
**Most Common Material:** SILT  
**Mat2:** 05  
**Mat2 Desc:** CLAY  
**Mat3:** 91  
**Mat3 Desc:** WATER-BEARING  
**Formation Top Depth:** 3.1  
**Formation End Depth:** 4.57  
**Formation End Depth UOM:** m

**Overburden and Bedrock  
Materials Interval**

**Formation ID:** 1004809396  
**Layer:** 1  
**Color:** 8  
**General Color:** BLACK  
**Mat1:** 11  
**Most Common Material:** GRAVEL  
**Mat2:**  
**Mat2 Desc:**  
**Mat3:** 73  
**Mat3 Desc:** HARD  
**Formation Top Depth:** 0  
**Formation End Depth:** .31  
**Formation End Depth UOM:** m

**Annular Space/Abandonment  
Sealing Record**

**Plug ID:** 1004809408  
**Layer:** 3  
**Plug From:** 1.22  
**Plug To:** 4.57  
**Plug Depth UOM:** m

**Annular Space/Abandonment**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1004809407			
<b>Layer:</b>		2			
<b>Plug From:</b>		0.31			
<b>Plug To:</b>		1.22			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1004809406			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		0.31			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1004809405			
<b>Method Construction Code:</b>		B			
<b>Method Construction:</b>		Other Method			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1004809395			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1004809401			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0			
<b>Depth To:</b>		1.22			
<b>Casing Diameter:</b>		4.03			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1004809402			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		1.22			
<b>Screen End Depth:</b>		4.57			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			
<b>Screen Diameter:</b>		4.82			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1004809400			
<b>Layer:</b>					
<b>Kind Code:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b> m					
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b> 1004809399					
<b>Diameter:</b> 8.25					
<b>Depth From:</b> 0					
<b>Depth To:</b> 4.52					
<b>Hole Depth UOM:</b> m					
<b>Hole Diameter UOM:</b> cm					

<a href="#">9</a>	1 of 1	E/120.7	65.0 / 1.08	3420 CARLING AVE Ottawa ON	WWIS
<b>Well ID:</b> 7204293					
<b>Construction Date:</b>					
<b>Primary Water Use:</b> Monitoring and Test Hole					
<b>Sec. Water Use:</b>					
<b>Final Well Status:</b> Test Hole					
<b>Water Type:</b>					
<b>Casing Material:</b>					
<b>Audit No:</b> Z168616					
<b>Tag:</b> A146650					
<b>Construction Method:</b>					
<b>Elevation (m):</b>					
<b>Elevation Reliability:</b>					
<b>Depth to Bedrock:</b>					
<b>Well Depth:</b>					
<b>Overburden/Bedrock:</b>					
<b>Pump Rate:</b>					
<b>Static Water Level:</b>					
<b>Flowing (Y/N):</b>					
<b>Flow Rate:</b>					
<b>Clear/Cloudy:</b>					
<b>Data Entry Status:</b>					
<b>Data Src:</b>					
<b>Date Received:</b> 7/5/2013					
<b>Selected Flag:</b> Yes					
<b>Abandonment Rec:</b>					
<b>Contractor:</b> 7241					
<b>Form Version:</b> 7					
<b>Owner:</b>					
<b>Street Name:</b> 3420 CARLING AVE					
<b>County:</b> OTTAWA					
<b>Municipality:</b> NEPEAN TOWNSHIP					
<b>Site Info:</b>					
<b>Lot:</b>					
<b>Concession:</b>					
<b>Concession Name:</b>					
<b>Easting NAD83:</b>					
<b>Northing NAD83:</b>					
<b>Zone:</b>					
<b>UTM Reliability:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/720\7204293.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7204293.pdf)

**Bore Hole Information**

<b>Bore Hole ID:</b> 1004398040					
<b>DP2BR:</b>					
<b>Spatial Status:</b>					
<b>Code OB:</b>					
<b>Code OB Desc:</b>					
<b>Open Hole:</b>					
<b>Cluster Kind:</b>					
<b>Date Completed:</b> 5/28/2013					
<b>Remarks:</b>					
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b>Elevation:</b> 64.785156					
<b>Elevrc:</b>					
<b>Zone:</b> 18					
<b>East83:</b> 434568					
<b>North83:</b> 5022412					
<b>Org CS:</b> UTM83					
<b>UTMRC:</b> 4					
<b>UTMRC Desc:</b> margin of error : 30 m - 100 m					
<b>Location Method:</b> wwr					

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b> 1004812377					
<b>Layer:</b> 1					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Color:</b>		8			
<b>General Color:</b>		BLACK			
<b>Mat1:</b>		11			
<b>Most Common Material:</b>		GRAVEL			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>		73			
<b>Mat3 Desc:</b>		HARD			
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		.31			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1004812379			
<b>Layer:</b>		3			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		06			
<b>Most Common Material:</b>		SILT			
<b>Mat2:</b>		05			
<b>Mat2 Desc:</b>		CLAY			
<b>Mat3:</b>		85			
<b>Mat3 Desc:</b>		SOFT			
<b>Formation Top Depth:</b>		1.5			
<b>Formation End Depth:</b>		4.57			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1004812378			
<b>Layer:</b>		2			
<b>Color:</b>		4			
<b>General Color:</b>		GREEN			
<b>Mat1:</b>		28			
<b>Most Common Material:</b>		SAND			
<b>Mat2:</b>		77			
<b>Mat2 Desc:</b>		LOOSE			
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		.31			
<b>Formation End Depth:</b>		1.5			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1004812387			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		0.31			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1004812388			
<b>Layer:</b>		2			
<b>Plug From:</b>		0.31			
<b>Plug To:</b>		1.22			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1004812389			
<b>Layer:</b>		3			
<b>Plug From:</b>		1.22			
<b>Plug To:</b>		4.37			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1004812386			
<b>Method Construction Code:</b>		B			
<b>Method Construction:</b>		Other Method			
<b>Other Method Construction:</b>		DIRECT PUSH			
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1004812376			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1004812382			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0			
<b>Depth To:</b>		1.5			
<b>Casing Diameter:</b>		4.03			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1004812383			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		1.5			
<b>Screen End Depth:</b>		4.57			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			
<b>Screen Diameter:</b>		4.82			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1004812381			
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>		m			
<b><u>Hole Diameter</u></b>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Hole ID:		1004812380			
Diameter:		8.25			
Depth From:		0			
Depth To:		4.57			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<a href="#">10</a>	1 of 16	E/122.5	63.8 / -0.09	TOP VALU GAS BAR 3410 CARLING AV NEPEAN ON K2H5B1	PRT
Location ID:		28779			
Type:		retail			
Expiry Date:		1995-08-31			
Capacity (L):		0			
Licence #:		0076427897			
<a href="#">10</a>	2 of 16	E/122.5	63.8 / -0.09	C CORP (ONTARIO) INC ATTN ACCOUNTS PAYABLE 3410 CARLING AV STATION 7013 OTTAWA ON	PRT
Location ID:		10907			
Type:		retail			
Expiry Date:		1995-12-31			
Capacity (L):		58800			
Licence #:		0053985001			
<a href="#">10</a>	3 of 16	E/122.5	63.8 / -0.09	MAC'S CONVENIENCE STORES INC** 3410 CARLING AVE STATION 7013 NEPEAN ON K2H 5B1	DTNK
<u>Delisted Expired Fuel Safety Facilities</u>					
Instance No:		9777204			
Status:		EXPIRED			
Instance ID:					
Instance Type:		FS Facility			
Description:					
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:		11/2/1994			
Original Source:		EXP			
Record Date:		Up to May 2013			
<a href="#">10</a>	4 of 16	E/122.5	63.8 / -0.09	TOP VALU GAS BAR BOB MITCHELL 3410 CARLING AV NEPEAN ON	DTNK
<u>Delisted Expired Fuel Safety Facilities</u>					
Instance No:		10102271			
Status:		EXPIRED			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Instance ID:</b> <b>Instance Type:</b> <b>Description:</b> <b>TSSA Program Area:</b> <b>Maximum Hazard Rank:</b> <b>Facility Type:</b> <b>Expired Date:</b> <b>Original Source:</b> <b>Record Date:</b>		12019 FS Facility FS Propane Cylr Handling Facility			

<a href="#">10</a>	5 of 16	E/122.5	63.8 / -0.09	MAC'S CONVENIENCE STORES INC** 3410 CARLING AVE STATION 7013 NEPEAN ON	DTNK
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**Delisted Expired Fuel Safety Facilities**

**Instance No:** 10902065  
**Status:** EXPIRED  
**Instance ID:** 50567  
**Instance Type:** FS Piping  
**Description:** FS Piping  
**TSSA Program Area:**  
**Maximum Hazard Rank:**  
**Facility Type:**  
**Expired Date:**  
**Original Source:** EXP  
**Record Date:** Up to Mar 2012

<a href="#">10</a>	6 of 16	E/122.5	63.8 / -0.09	MAC'S CONVENIENCE STORES INC** 3410 CARLING AVE STATION 7013 NEPEAN ON	DTNK
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**Delisted Expired Fuel Safety Facilities**

**Instance No:** 10902050  
**Status:** EXPIRED  
**Instance ID:** 50778  
**Instance Type:** FS Piping  
**Description:** FS Piping  
**TSSA Program Area:**  
**Maximum Hazard Rank:**  
**Facility Type:**  
**Expired Date:**  
**Original Source:** EXP  
**Record Date:** Up to Mar 2012

<a href="#">10</a>	7 of 16	E/122.5	63.8 / -0.09	MAC'S CONVENIENCE STORES INC** 3410 CARLING AVE STATION 7013 NEPEAN ON	DTNK
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**Delisted Expired Fuel Safety Facilities**

**Instance No:** 10902084  
**Status:** EXPIRED  
**Instance ID:** 51005

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Instance Type:</b>		FS Piping			
<b>Description:</b>		FS Piping			
<b>TSSA Program Area:</b>					
<b>Maximum Hazard Rank:</b>					
<b>Facility Type:</b>					
<b>Expired Date:</b>					
<b>Original Source:</b>		EXP			
<b>Record Date:</b>		Up to Mar 2012			

<a href="#">10</a>	8 of 16	E/122.5	63.8 / -0.09	MAC'S CONVENIENCE STORES INC** 3410 CARLING AVE STATION 7013 NEPEAN ON	DTNK
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Delisted Expired Fuel Safety Facilities

**Instance No:** 10902102  
**Status:** EXPIRED  
**Instance ID:** 51190  
**Instance Type:** FS Piping  
**Description:** FS Piping  
**TSSA Program Area:**  
**Maximum Hazard Rank:**  
**Facility Type:**  
**Expired Date:**  
**Original Source:** EXP  
**Record Date:** Up to Mar 2012

<a href="#">10</a>	9 of 16	E/122.5	63.8 / -0.09	MAC'S CONVENIENCE STORES INC 3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	EXP
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<b>Instance No:</b>	10902073	<b>Model:</b>	NULL
<b>Status:</b>	EXPIRED	<b>Quantity:</b>	1
<b>Instance ID:</b>		<b>Unit of Measure:</b>	EA
<b>Instance Type:</b>		<b>Fuel Type2:</b>	NULL
<b>Instance Creation Dt:</b>	6/29/1992	<b>Fuel Type3:</b>	NULL
<b>Instance Install Dt:</b>	6/29/1992	<b>Piping Steel:</b>	
<b>Item:</b>		<b>Piping Galvanized:</b>	
<b>Item Description:</b>	FS Liquid Fuel Tank	<b>Tank Single Wall St:</b>	
<b>Facility Type:</b>	FS LIQUID FUEL TANK	<b>Piping Underground:</b>	
<b>Overfill Prot Type:</b>	NULL	<b>Tank Underground:</b>	
<b>Creation Date:</b>	7/5/2009 1:22:01 AM	<b>Panam Related:</b>	NULL
<b>Expired Date:</b>		<b>Panam Venue Nm:</b>	NULL
<b>Manufacturer:</b>	NULL		
<b>Source:</b>	FS Liquid Fuel Tank		
<b>Description:</b>	UNDERGROUND TANK		
<b>Serial No:</b>	NULL		
<b>Ulc Standard:</b>	NULL		
<b>Facility Location:</b>	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA		

<a href="#">10</a>	10 of 16	E/122.5	63.8 / -0.09	MAC'S CONVENIENCE STORES INC 3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	EXP
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<b>Instance No:</b>	10902093	<b>Model:</b>	NULL
<b>Status:</b>	EXPIRED	<b>Quantity:</b>	1
<b>Instance ID:</b>		<b>Unit of Measure:</b>	EA
<b>Instance Type:</b>		<b>Fuel Type2:</b>	NULL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Instance Creation Dt:</b>	6/29/1992			<b>Fuel Type3:</b>	NULL
<b>Instance Install Dt:</b>	6/29/1992			<b>Piping Steel:</b>	
<b>Item:</b>				<b>Piping Galvanized:</b>	
<b>Item Description:</b>	FS Liquid Fuel Tank			<b>Tank Single Wall St:</b>	
<b>Facility Type:</b>	FS LIQUID FUEL TANK			<b>Piping Underground:</b>	
<b>Overfill Prot Type:</b>	NULL			<b>Tank Underground:</b>	
<b>Creation Date:</b>	7/5/2009 1:22:05 AM			<b>Panam Related:</b>	NULL
<b>Expired Date:</b>				<b>Panam Venue Nm:</b>	NULL
<b>Manufacturer:</b>	NULL				
<b>Source:</b>	FS Liquid Fuel Tank				
<b>Description:</b>	UNDERGROUND TANK				
<b>Serial No:</b>	NULL				
<b>Ulc Standard:</b>	NULL				
<b>Facility Location:</b>	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA				

<a href="#">10</a>	11 of 16	E/122.5	63.8 / -0.09	<b>MAC'S CONVENIENCE STORES INC</b> 3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	EXP
<b>Instance No:</b>	10902041			<b>Model:</b>	NULL
<b>Status:</b>	EXPIRED			<b>Quantity:</b>	1
<b>Instance ID:</b>				<b>Unit of Measure:</b>	EA
<b>Instance Type:</b>				<b>Fuel Type2:</b>	NULL
<b>Instance Creation Dt:</b>	6/29/1992			<b>Fuel Type3:</b>	NULL
<b>Instance Install Dt:</b>	6/29/1992			<b>Piping Steel:</b>	
<b>Item:</b>				<b>Piping Galvanized:</b>	
<b>Item Description:</b>	FS Liquid Fuel Tank			<b>Tank Single Wall St:</b>	
<b>Facility Type:</b>	FS LIQUID FUEL TANK			<b>Piping Underground:</b>	
<b>Overfill Prot Type:</b>	NULL			<b>Tank Underground:</b>	
<b>Creation Date:</b>	7/5/2009 1:22:05 AM			<b>Panam Related:</b>	NULL
<b>Expired Date:</b>				<b>Panam Venue Nm:</b>	NULL
<b>Manufacturer:</b>	NULL				
<b>Source:</b>	FS Liquid Fuel Tank				
<b>Description:</b>	UNDERGROUND TANK				
<b>Serial No:</b>	NULL				
<b>Ulc Standard:</b>	NULL				
<b>Facility Location:</b>	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA				

<a href="#">10</a>	12 of 16	E/122.5	63.8 / -0.09	<b>MAC'S CONVENIENCE STORES INC</b> 3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	EXP
<b>Instance No:</b>	10902056			<b>Model:</b>	NULL
<b>Status:</b>	EXPIRED			<b>Quantity:</b>	1
<b>Instance ID:</b>				<b>Unit of Measure:</b>	EA
<b>Instance Type:</b>				<b>Fuel Type2:</b>	NULL
<b>Instance Creation Dt:</b>	6/29/1992			<b>Fuel Type3:</b>	NULL
<b>Instance Install Dt:</b>	6/29/1992			<b>Piping Steel:</b>	
<b>Item:</b>				<b>Piping Galvanized:</b>	
<b>Item Description:</b>	FS Liquid Fuel Tank			<b>Tank Single Wall St:</b>	
<b>Facility Type:</b>	FS LIQUID FUEL TANK			<b>Piping Underground:</b>	
<b>Overfill Prot Type:</b>	NULL			<b>Tank Underground:</b>	
<b>Creation Date:</b>	7/5/2009 1:22:12 AM			<b>Panam Related:</b>	NULL
<b>Expired Date:</b>				<b>Panam Venue Nm:</b>	NULL
<b>Manufacturer:</b>	NULL				
<b>Source:</b>	FS Liquid Fuel Tank				
<b>Description:</b>	UNDERGROUND TANK				
<b>Serial No:</b>	NULL				
<b>Ulc Standard:</b>	NULL				
<b>Facility Location:</b>	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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<a href="#">10</a>	13 of 16	E/122.5	63.8 / -0.09	MAC'S CONVENIENCE STORES INC 3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	FST
<b>Instance No:</b>		10902056		<b>Manufacturer:</b>	
<b>Status:</b>				<b>Serial No:</b>	
<b>Cont Name:</b>				<b>Ulc Standard:</b>	
<b>Instance Type:</b>				<b>Quantity:</b>	
<b>Item:</b>		FS LIQUID FUEL TANK		<b>Unit of Measure:</b>	
<b>Item Description:</b>		FS Liquid Fuel Tank		<b>Fuel Type:</b> Gasoline	
<b>Tank Type:</b>		Liquid Fuel Single Wall UST		<b>Fuel Type2:</b> NULL	
<b>Install Date:</b>		6/29/1992		<b>Fuel Type3:</b> NULL	
<b>Install Year:</b>		1975		<b>Piping Steel:</b>	
<b>Years in Service:</b>				<b>Piping Galvanized:</b>	
<b>Model:</b>		NULL		<b>Tanks Single Wall St:</b>	
<b>Description:</b>				<b>Piping Underground:</b>	
<b>Capacity:</b>		9000		<b>Num Underground:</b>	
<b>Tank Material:</b>		Steel		<b>Panam Related:</b>	
<b>Corrosion Protect:</b>				<b>Panam Venue:</b>	
<b>Overfill Protect:</b>					
<b>Facility Type:</b>		FS Liquid Fuel Tank			
<b>Parent Facility Type:</b>					
<b>Facility Location:</b>					
<b>Device Installed Location:</b>		3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA			

**Fuel Storage Tank Details**

**Owner Account Name:** MAC'S CONVENIENCE STORES INC

<a href="#">10</a>	14 of 16	E/122.5	63.8 / -0.09	MAC'S CONVENIENCE STORES INC 3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	FST
<b>Instance No:</b>		10902073		<b>Manufacturer:</b>	
<b>Status:</b>				<b>Serial No:</b>	
<b>Cont Name:</b>				<b>Ulc Standard:</b>	
<b>Instance Type:</b>				<b>Quantity:</b>	
<b>Item:</b>		FS LIQUID FUEL TANK		<b>Unit of Measure:</b>	
<b>Item Description:</b>		FS Liquid Fuel Tank		<b>Fuel Type:</b> Gasoline	
<b>Tank Type:</b>		Liquid Fuel Single Wall UST		<b>Fuel Type2:</b> NULL	
<b>Install Date:</b>		6/29/1992		<b>Fuel Type3:</b> NULL	
<b>Install Year:</b>		1975		<b>Piping Steel:</b>	
<b>Years in Service:</b>				<b>Piping Galvanized:</b>	
<b>Model:</b>		NULL		<b>Tanks Single Wall St:</b>	
<b>Description:</b>				<b>Piping Underground:</b>	
<b>Capacity:</b>		18100		<b>Num Underground:</b>	
<b>Tank Material:</b>		Steel		<b>Panam Related:</b>	
<b>Corrosion Protect:</b>				<b>Panam Venue:</b>	
<b>Overfill Protect:</b>					
<b>Facility Type:</b>		FS Liquid Fuel Tank			
<b>Parent Facility Type:</b>					
<b>Facility Location:</b>					
<b>Device Installed Location:</b>		3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA			

**Fuel Storage Tank Details**

**Owner Account Name:** MAC'S CONVENIENCE STORES INC

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">10</a>	15 of 16	E/122.5	63.8 / -0.09	MAC'S CONVENIENCE STORES INC 3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	FST
<p><b>Instance No:</b> 10902093      <b>Manufacturer:</b></p> <p><b>Status:</b>      <b>Serial No:</b></p> <p><b>Cont Name:</b>      <b>Ulc Standard:</b></p> <p><b>Instance Type:</b>      <b>Quantity:</b></p> <p><b>Item:</b> FS LIQUID FUEL TANK      <b>Unit of Measure:</b></p> <p><b>Item Description:</b> FS Liquid Fuel Tank      <b>Fuel Type:</b> Gasoline</p> <p><b>Tank Type:</b> Liquid Fuel Single Wall UST      <b>Fuel Type2:</b> NULL</p> <p><b>Install Date:</b> 6/29/1992      <b>Fuel Type3:</b> NULL</p> <p><b>Install Year:</b> 1975      <b>Piping Steel:</b></p> <p><b>Years in Service:</b>      <b>Piping Galvanized:</b></p> <p><b>Model:</b> NULL      <b>Tanks Single Wall St:</b></p> <p><b>Description:</b>      <b>Piping Underground:</b></p> <p><b>Capacity:</b> 9000      <b>Num Underground:</b></p> <p><b>Tank Material:</b> Steel      <b>Panam Related:</b></p> <p><b>Corrosion Protect:</b>      <b>Panam Venue:</b></p> <p><b>Overfill Protect:</b></p> <p><b>Facility Type:</b> FS Liquid Fuel Tank</p> <p><b>Parent Facility Type:</b></p> <p><b>Facility Location:</b></p> <p><b>Device Installed Location:</b> 3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA</p> <p><b>Fuel Storage Tank Details</b></p> <p><b>Owner Account Name:</b> MAC'S CONVENIENCE STORES INC</p>					
<a href="#">10</a>	16 of 16	E/122.5	63.8 / -0.09	MAC'S CONVENIENCE STORES INC 3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	FST
<p><b>Instance No:</b> 10902041      <b>Manufacturer:</b></p> <p><b>Status:</b>      <b>Serial No:</b></p> <p><b>Cont Name:</b>      <b>Ulc Standard:</b></p> <p><b>Instance Type:</b>      <b>Quantity:</b></p> <p><b>Item:</b> FS LIQUID FUEL TANK      <b>Unit of Measure:</b></p> <p><b>Item Description:</b> FS Liquid Fuel Tank      <b>Fuel Type:</b> Gasoline</p> <p><b>Tank Type:</b> Liquid Fuel Single Wall UST      <b>Fuel Type2:</b> NULL</p> <p><b>Install Date:</b> 6/29/1992      <b>Fuel Type3:</b> NULL</p> <p><b>Install Year:</b> 1975      <b>Piping Steel:</b></p> <p><b>Years in Service:</b>      <b>Piping Galvanized:</b></p> <p><b>Model:</b> NULL      <b>Tanks Single Wall St:</b></p> <p><b>Description:</b>      <b>Piping Underground:</b></p> <p><b>Capacity:</b> 23700      <b>Num Underground:</b></p> <p><b>Tank Material:</b> Steel      <b>Panam Related:</b></p> <p><b>Corrosion Protect:</b>      <b>Panam Venue:</b></p> <p><b>Overfill Protect:</b></p> <p><b>Facility Type:</b> FS Liquid Fuel Tank</p> <p><b>Parent Facility Type:</b></p> <p><b>Facility Location:</b></p> <p><b>Device Installed Location:</b> 3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA</p> <p><b>Fuel Storage Tank Details</b></p> <p><b>Owner Account Name:</b> MAC'S CONVENIENCE STORES INC</p>					
<a href="#">11</a>	1 of 1	E/123.5	64.9 / 1.00	4 CRYSTAL BEACH DR Ottawa ON	WWIS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Well ID:</b>	7190965			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	
<b>Primary Water Use:</b>	Monitoring and Test Hole			<b>Date Received:</b>	11/9/2012
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>	Test Hole			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	7241
<b>Casing Material:</b>				<b>Form Version:</b>	7
<b>Audit No:</b>	Z156931			<b>Owner:</b>	
<b>Tag:</b>	A135014			<b>Street Name:</b>	4 CRYSTAL BEACH DR
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	NEPEAN TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	
<b>Well Depth:</b>				<b>Concession:</b>	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

PDF URL (Map):

#### Bore Hole Information

<b>Bore Hole ID:</b>	1004199539	<b>Elevation:</b>	64.726776
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	434570
<b>Code OB Desc:</b>		<b>North83:</b>	5022387
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	10/22/2012	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

#### Overburden and Bedrock

##### Materials Interval

<b>Formation ID:</b>	1004486662
<b>Layer:</b>	1
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Mat1:</b>	02
<b>Most Common Material:</b>	TOPSOIL
<b>Mat2:</b>	
<b>Mat2 Desc:</b>	
<b>Mat3:</b>	85
<b>Mat3 Desc:</b>	SOFT
<b>Formation Top Depth:</b>	0
<b>Formation End Depth:</b>	.61
<b>Formation End Depth UOM:</b>	m

#### Overburden and Bedrock

##### Materials Interval

<b>Formation ID:</b>	1004486664
<b>Layer:</b>	3

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		06			
<b>Most Common Material:</b>		SILT			
<b>Mat2:</b>		05			
<b>Mat2 Desc:</b>		CLAY			
<b>Mat3:</b>		91			
<b>Mat3 Desc:</b>		WATER-BEARING			
<b>Formation Top Depth:</b>		5.18			
<b>Formation End Depth:</b>		6.1			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1004486663			
<b>Layer:</b>		2			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		06			
<b>Mat2 Desc:</b>		SILT			
<b>Mat3:</b>		85			
<b>Mat3 Desc:</b>		SOFT			
<b>Formation Top Depth:</b>		.61			
<b>Formation End Depth:</b>		5.18			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1004486672			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		0.31			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1004486674			
<b>Layer:</b>		3			
<b>Plug From:</b>		2.74			
<b>Plug To:</b>		6.1			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1004486673			
<b>Layer:</b>		2			
<b>Plug From:</b>		0.31			
<b>Plug To:</b>		2.74			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>		1004486671			
<b>Method Construction Code:</b>		D			
<b>Method Construction:</b>		Direct Push			



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Other Method Construction:

**Pipe Information**

Pipe ID: 1004486661  
 Casing No: 0  
 Comment:  
 Alt Name:

**Construction Record - Casing**

Casing ID: 1004486667  
 Layer: 1  
 Material: 5  
 Open Hole or Material: PLASTIC  
 Depth From: 0  
 Depth To: 3.1  
 Casing Diameter: 4.03  
 Casing Diameter UOM: cm  
 Casing Depth UOM: m

**Construction Record - Screen**

Screen ID: 1004486668  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 3.1  
 Screen End Depth: 6.1  
 Screen Material: 5  
 Screen Depth UOM: m  
 Screen Diameter UOM: cm  
 Screen Diameter: 4.82

**Water Details**

Water ID: 1004486666  
 Layer:  
 Kind Code:  
 Kind:  
 Water Found Depth:  
 Water Found Depth UOM: m

**Hole Diameter**

Hole ID: 1004486665  
 Diameter: 8.25  
 Depth From: 0  
 Depth To: 6.1  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

<a href="#">12</a>	1 of 1	E/124.7	65.0 / 1.08	4 CRYSTAL BEACH RD OTTAWA ON	WWIS
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Well ID: 7216113  
 Construction Date:  
 Primary Water Use: Monitoring and Test Hole  
 Sec. Water Use: 0  
 Final Well Status: Abandoned-Other  
 Water Type:  
 Casing Material:

Data Entry Status:  
 Data Src:  
 Date Received: 2/10/2014  
 Selected Flag: Yes  
 Abandonment Rec: Yes  
 Contractor: 7241  
 Form Version: 7

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Audit No:</b>	Z179994			<b>Owner:</b>	
<b>Tag:</b>	A141802			<b>Street Name:</b>	4 CRYSTAL BEACH RD
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	NEPEAN TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	
<b>Well Depth:</b>				<b>Concession:</b>	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b>PDF URL (Map):</b>					

**Bore Hole Information**

<b>Bore Hole ID:</b>	1004706997	<b>Elevation:</b>	64.752754
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	434572
<b>Code OB Desc:</b>		<b>North83:</b>	5022395
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	12/12/2013	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Annular Space/Abandonment Sealing Record**

<b>Plug ID:</b>	1005074981
<b>Layer:</b>	2
<b>Plug From:</b>	0.31
<b>Plug To:</b>	1.83
<b>Plug Depth UOM:</b>	m

**Annular Space/Abandonment Sealing Record**

<b>Plug ID:</b>	1005074980
<b>Layer:</b>	1
<b>Plug From:</b>	0
<b>Plug To:</b>	0.31
<b>Plug Depth UOM:</b>	m

**Annular Space/Abandonment Sealing Record**

<b>Plug ID:</b>	1005074982
<b>Layer:</b>	3
<b>Plug From:</b>	1.83
<b>Plug To:</b>	
<b>Plug Depth UOM:</b>	m

**Method of Construction & Well**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Use</u></b>					
	Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	1005074979			
<b><u>Pipe Information</u></b>					
	Pipe ID: Casing No: Comment: Alt Name:	1005074971 0			
<b><u>Construction Record - Casing</u></b>					
	Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	1005074975 1 5 PLASTIC			
<b><u>Construction Record - Screen</u></b>					
	Screen ID: Layer: Slot: Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM: Screen Diameter UOM: Screen Diameter:	1005074976 1			
<b><u>Water Details</u></b>					
	Water ID: Layer: Kind Code: Kind: Water Found Depth: Water Found Depth UOM:	1005074974			
<b><u>Hole Diameter</u></b>					
	Hole ID: Diameter: Depth From: Depth To: Hole Depth UOM: Hole Diameter UOM:	1005074973 20.32 0 1.83			

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1 of 1

E/125.4

65.0 / 1.08

4 CRYSTAL BEACH RD  
OTTAWA ON

WWIS

Well ID: 7216117  
Construction Date:Data Entry Status:  
Data Src:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Primary Water Use:</b>	Monitoring and Test Hole			<b>Date Received:</b>	2/10/2014
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>	Abandoned-Other			<b>Abandonment Rec:</b>	Yes
<b>Water Type:</b>				<b>Contractor:</b>	7241
<b>Casing Material:</b>				<b>Form Version:</b>	7
<b>Audit No:</b>	Z179995			<b>Owner:</b>	
<b>Tag:</b>	A141805			<b>Street Name:</b>	4 CRYSTAL BEACH RD
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	NEPEAN TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	
<b>Well Depth:</b>				<b>Concession:</b>	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b>PDF URL (Map):</b>					

**Bore Hole Information**

<b>Bore Hole ID:</b>	1004707009	<b>Elevation:</b>	64.764732
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	434573
<b>Code OB Desc:</b>		<b>North83:</b>	5022400
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	12/12/2013	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Annular Space/Abandonment Sealing Record**

<b>Plug ID:</b>	1005075028
<b>Layer:</b>	1
<b>Plug From:</b>	0
<b>Plug To:</b>	0.31
<b>Plug Depth UOM:</b>	m

**Annular Space/Abandonment Sealing Record**

<b>Plug ID:</b>	1005075029
<b>Layer:</b>	2
<b>Plug From:</b>	0.31
<b>Plug To:</b>	1.83
<b>Plug Depth UOM:</b>	m

**Method of Construction & Well Use**

<b>Method Construction ID:</b>	1005075027
<b>Method Construction Code:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Method Construction:  
Other Method Construction:

Pipe Information

Pipe ID: 1005075019  
Casing No: 0  
Comment:  
Alt Name:

Construction Record - Casing

Casing ID: 1005075023  
Layer: 1  
Material: 5  
Open Hole or Material: PLASTIC  
Depth From:  
Depth To:  
Casing Diameter: 4.03  
Casing Diameter UOM: cm  
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1005075024  
Layer: 1  
Slot:  
Screen Top Depth:  
Screen End Depth:  
Screen Material: 5  
Screen Depth UOM: m  
Screen Diameter UOM: cm  
Screen Diameter: 4.82

Water Details

Water ID: 1005075022  
Layer:  
Kind Code:  
Kind:  
Water Found Depth:  
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1005075021  
Diameter: 20.32  
Depth From: 0  
Depth To: 1.83  
Hole Depth UOM: m  
Hole Diameter UOM: cm

<a href="#">14</a>	1 of 1	E/125.8	64.9 / 1.00	4 CRYSTAL BEACH RD OTTAWA ON	WWIS
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Well ID: 7216118	Data Entry Status:
Construction Date:	Data Src:
Primary Water Use: Monitoring and Test Hole	Date Received: 2/10/2014
Sec. Water Use: 0	Selected Flag: Yes
Final Well Status: Abandoned-Other	Abandonment Rec: Yes
Water Type:	Contractor: 7241

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Casing Material:</b>				<b>Form Version:</b>	7
<b>Audit No:</b>	Z179992			<b>Owner:</b>	
<b>Tag:</b>	A135015			<b>Street Name:</b>	4 CRYSTAL BEACH RD
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	NEPEAN TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	
<b>Well Depth:</b>				<b>Concession:</b>	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b>PDF URL (Map):</b>					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	1004707012			<b>Elevation:</b>	64.672294
<b>DP2BR:</b>				<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b>	18
<b>Code OB:</b>				<b>East83:</b>	434571
<b>Code OB Desc:</b>				<b>North83:</b>	5022379
<b>Open Hole:</b>				<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>				<b>UTMRC:</b>	4
<b>Date Completed:</b>	12/12/2013			<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>				<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>	1005075040				
<b>Layer:</b>	2				
<b>Plug From:</b>	0.31				
<b>Plug To:</b>	1.83				
<b>Plug Depth UOM:</b>	m				
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>	1005075039				
<b>Layer:</b>	1				
<b>Plug From:</b>	0				
<b>Plug To:</b>	0.31				
<b>Plug Depth UOM:</b>	m				
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>	1005075041				
<b>Layer:</b>	3				
<b>Plug From:</b>	1.83				
<b>Plug To:</b>	4.88				
<b>Plug Depth UOM:</b>	m				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1005075038			
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1005075030			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1005075034			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0			
<b>Depth To:</b>					
<b>Casing Diameter:</b>		4.03			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1005075035			
<b>Layer:</b>		1			
<b>Slot:</b>					
<b>Screen Top Depth:</b>					
<b>Screen End Depth:</b>					
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			
<b>Screen Diameter:</b>		4.82			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1005075033			
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>		m			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1005075032			
<b>Diameter:</b>		20.32			
<b>Depth From:</b>		0			
<b>Depth To:</b>		1.83			
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			

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E/126.4

65.0 / 1.08

4 CRYSTAL BEACH ROAD  
OTTAWA ON

WWIS

Well ID:

7216112

Data Entry Status:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Construction Date:</b>				<b>Data Src:</b>	
<b>Primary Water Use:</b>	Monitoring and Test Hole			<b>Date Received:</b>	2/10/2014
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>	Abandoned-Other			<b>Abandonment Rec:</b>	Yes
<b>Water Type:</b>				<b>Contractor:</b>	7241
<b>Casing Material:</b>				<b>Form Version:</b>	7
<b>Audit No:</b>	Z179998			<b>Owner:</b>	
<b>Tag:</b>	A141803			<b>Street Name:</b>	4 CRYSTAL BEACH ROAD
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	NEPEAN TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	
<b>Well Depth:</b>				<b>Concession:</b>	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b>PDF URL (Map):</b>					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	1004706994			<b>Elevation:</b>	64.776283
<b>DP2BR:</b>				<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b>	18
<b>Code OB:</b>				<b>East83:</b>	434574
<b>Code OB Desc:</b>				<b>North83:</b>	5022407
<b>Open Hole:</b>				<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>				<b>UTMRC:</b>	4
<b>Date Completed:</b>	12/12/2013			<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>				<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>	1005074969				
<b>Layer:</b>	1				
<b>Plug From:</b>	0				
<b>Plug To:</b>	0.31				
<b>Plug Depth UOM:</b>	m				
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>	1005074970				
<b>Layer:</b>	2				
<b>Plug From:</b>	0.31				
<b>Plug To:</b>	1.83				
<b>Plug Depth UOM:</b>	m				
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>	1005074968				



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>			1005074960		
<b>Casing No:</b>			0		
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>			1005074964		
<b>Layer:</b>			1		
<b>Material:</b>			5		
<b>Open Hole or Material:</b>			PLASTIC		
<b>Depth From:</b>					
<b>Depth To:</b>					
<b>Casing Diameter:</b>			10		
<b>Casing Diameter UOM:</b>			cm		
<b>Casing Depth UOM:</b>			m		
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>			1005074965		
<b>Layer:</b>			1		
<b>Slot:</b>					
<b>Screen Top Depth:</b>					
<b>Screen End Depth:</b>					
<b>Screen Material:</b>			5		
<b>Screen Depth UOM:</b>			m		
<b>Screen Diameter UOM:</b>			cm		
<b>Screen Diameter:</b>			10.01		
<b><u>Water Details</u></b>					
<b>Water ID:</b>			1005074963		
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>			m		
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>			1005074962		
<b>Diameter:</b>			20.32		
<b>Depth From:</b>			0		
<b>Depth To:</b>			1.03		
<b>Hole Depth UOM:</b>			m		
<b>Hole Diameter UOM:</b>			cm		

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E/130.4

65.0 / 1.08

4 CRYSTAL BEACH DR  
Ottawa ON

WWIS

**Well ID:** 7190964  
**Construction Date:**  
**Primary Water Use:** Monitoring and Test Hole  
**Sec. Water Use:** 0  
**Final Well Status:** Test Hole

**Data Entry Status:**  
**Data Src:**  
**Date Received:** 11/9/2012  
**Selected Flag:** Yes  
**Abandonment Rec:**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Water Type:</b>				<b>Contractor:</b>	7241
<b>Casing Material:</b>				<b>Form Version:</b>	7
<b>Audit No:</b>	Z156930			<b>Owner:</b>	
<b>Tag:</b>	A135016			<b>Street Name:</b>	4 CRYSTAL BEACH DR
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	NEPEAN TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	
<b>Well Depth:</b>				<b>Concession:</b>	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

PDF URL (Map):

**Bore Hole Information**

<b>Bore Hole ID:</b>	1004199536	<b>Elevation:</b>	64.764465
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	434578
<b>Code OB Desc:</b>		<b>North83:</b>	5022403
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	10/2/2012	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock Materials Interval**

<b>Formation ID:</b>	1004486650
<b>Layer:</b>	3
<b>Color:</b>	2
<b>General Color:</b>	GREY
<b>Mat1:</b>	05
<b>Most Common Material:</b>	CLAY
<b>Mat2:</b>	06
<b>Mat2 Desc:</b>	SILT
<b>Mat3:</b>	85
<b>Mat3 Desc:</b>	SOFT
<b>Formation Top Depth:</b>	4.57
<b>Formation End Depth:</b>	6.1
<b>Formation End Depth UOM:</b>	m

**Overburden and Bedrock Materials Interval**

<b>Formation ID:</b>	1004486649
<b>Layer:</b>	2
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Mat1:</b>	05
<b>Most Common Material:</b>	CLAY
<b>Mat2:</b>	85

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat2 Desc:</b>		SOFT			
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		.61			
<b>Formation End Depth:</b>		4.57			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1004486648			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		02			
<b>Most Common Material:</b>		TOPSOIL			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>		85			
<b>Mat3 Desc:</b>		SOFT			
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		.61			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1004486660			
<b>Layer:</b>		3			
<b>Plug From:</b>		2.74			
<b>Plug To:</b>		6.1			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1004486658			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		0.31			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1004486659			
<b>Layer:</b>		2			
<b>Plug From:</b>		0.31			
<b>Plug To:</b>		2.74			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1004486657			
<b>Method Construction Code:</b>		D			
<b>Method Construction:</b>		Direct Push			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Pipe ID:</b>		1004486647			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1004486653			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0			
<b>Depth To:</b>		3.1			
<b>Casing Diameter:</b>		4.03			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1004486654			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		3.1			
<b>Screen End Depth:</b>		6.1			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			
<b>Screen Diameter:</b>		4.82			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1004486652			
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>		m			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1004486651			
<b>Diameter:</b>		8.25			
<b>Depth From:</b>		0			
<b>Depth To:</b>		6.1			
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			

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<b>Well ID:</b>	7190962			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	
<b>Primary Water Use:</b>	Monitoring and Test Hole			<b>Date Received:</b>	11/9/2012
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>	Test Hole			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	7241
<b>Casing Material:</b>				<b>Form Version:</b>	7
<b>Audit No:</b>	Z156927			<b>Owner:</b>	
<b>Tag:</b>	A135017			<b>Street Name:</b>	4 CRYSTAL BEACH DR
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	NEPEAN TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>  <b>PDF URL (Map):</b>				<b>Lot:</b> <b>Concession:</b> <b>Concession Name:</b> <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>	
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b> <b>DP2BR:</b> <b>Spatial Status:</b> <b>Code OB:</b> <b>Code OB Desc:</b> <b>Open Hole:</b> <b>Cluster Kind:</b> <b>Date Completed:</b> <b>Remarks:</b> <b>Elevrc Desc:</b> <b>Location Source Date:</b> <b>Improvement Location Source:</b> <b>Improvement Location Method:</b> <b>Source Revision Comment:</b> <b>Supplier Comment:</b>	1004199530       10/2/2012			<b>Elevation:</b> <b>Elevrc:</b> <b>Zone:</b> <b>East83:</b> <b>North83:</b> <b>Org CS:</b> <b>UTMRC:</b> <b>UTMRC Desc:</b> <b>Location Method:</b>	64.768173  18 434577 5022420 UTM83 4 margin of error : 30 m - 100 m wwr
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b> <b>Layer:</b> <b>Color:</b> <b>General Color:</b> <b>Mat1:</b> <b>Most Common Material:</b> <b>Mat2:</b> <b>Mat2 Desc:</b> <b>Mat3:</b> <b>Mat3 Desc:</b> <b>Formation Top Depth:</b> <b>Formation End Depth:</b> <b>Formation End Depth UOM:</b>	1004486622 3 2 GREY 06 SILT 05 CLAY 08 FINE SAND 3.1 6.1 m				
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b> <b>Layer:</b> <b>Color:</b> <b>General Color:</b> <b>Mat1:</b> <b>Most Common Material:</b> <b>Mat2:</b> <b>Mat2 Desc:</b> <b>Mat3:</b> <b>Mat3 Desc:</b> <b>Formation Top Depth:</b> <b>Formation End Depth:</b> <b>Formation End Depth UOM:</b>	1004486620 1 8 BLACK 02 TOPSOIL   85 SOFT 0 .61 m				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<i>Formation ID:</i>		1004486621			
<i>Layer:</i>		2			
<i>Color:</i>		6			
<i>General Color:</i>		BROWN			
<i>Mat1:</i>		06			
<i>Most Common Material:</i>		SILT			
<i>Mat2:</i>		05			
<i>Mat2 Desc:</i>		CLAY			
<i>Mat3:</i>		85			
<i>Mat3 Desc:</i>		SOFT			
<i>Formation Top Depth:</i>		.61			
<i>Formation End Depth:</i>		3.1			
<i>Formation End Depth UOM:</i>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<i>Plug ID:</i>		1004486632			
<i>Layer:</i>		3			
<i>Plug From:</i>		2.74			
<i>Plug To:</i>		6.1			
<i>Plug Depth UOM:</i>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<i>Plug ID:</i>		1004486630			
<i>Layer:</i>		1			
<i>Plug From:</i>		0			
<i>Plug To:</i>		0.31			
<i>Plug Depth UOM:</i>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<i>Plug ID:</i>		1004486631			
<i>Layer:</i>		2			
<i>Plug From:</i>		0.31			
<i>Plug To:</i>		2.74			
<i>Plug Depth UOM:</i>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<i>Method Construction ID:</i>		1004486629			
<i>Method Construction Code:</i>		D			
<i>Method Construction:</i>		Direct Push			
<i>Other Method Construction:</i>					
<b><u>Pipe Information</u></b>					
<i>Pipe ID:</i>		1004486619			
<i>Casing No:</i>		0			
<i>Comment:</i>					
<i>Alt Name:</i>					
<b><u>Construction Record - Casing</u></b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Casing ID:</b>		1004486625			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0			
<b>Depth To:</b>		3.1			
<b>Casing Diameter:</b>		4.03			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			

**Construction Record - Screen**

<b>Screen ID:</b>	1004486626
<b>Layer:</b>	1
<b>Slot:</b>	10
<b>Screen Top Depth:</b>	3.1
<b>Screen End Depth:</b>	6.1
<b>Screen Material:</b>	5
<b>Screen Depth UOM:</b>	m
<b>Screen Diameter UOM:</b>	cm
<b>Screen Diameter:</b>	4.82

**Water Details**

<b>Water ID:</b>	1004486624
<b>Layer:</b>	
<b>Kind Code:</b>	
<b>Kind:</b>	
<b>Water Found Depth:</b>	
<b>Water Found Depth UOM:</b>	m

**Hole Diameter**

<b>Hole ID:</b>	1004486623
<b>Diameter:</b>	8.25
<b>Depth From:</b>	0
<b>Depth To:</b>	6.1
<b>Hole Depth UOM:</b>	m
<b>Hole Diameter UOM:</b>	cm

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<b>Well ID:</b>	7216116	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	
<b>Primary Water Use:</b>	Monitoring and Test Hole	<b>Date Received:</b>	2/10/2014
<b>Sec. Water Use:</b>	0	<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>	Abandoned-Other	<b>Abandonment Rec:</b>	Yes
<b>Water Type:</b>		<b>Contractor:</b>	7241
<b>Casing Material:</b>		<b>Form Version:</b>	7
<b>Audit No:</b>	Z179996	<b>Owner:</b>	
<b>Tag:</b>	A141806	<b>Street Name:</b>	4 CRYSTAL BEACH RD
<b>Construction Method:</b>		<b>County:</b>	OTTAWA
<b>Elevation (m):</b>		<b>Municipality:</b>	NEPEAN TOWNSHIP
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	
<b>Well Depth:</b>		<b>Concession:</b>	
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b>PDF URL (Map):</b>					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	1004707006			<b>Elevation:</b>	64.769622
<b>DP2BR:</b>				<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b>	18
<b>Code OB:</b>				<b>East83:</b>	434579
<b>Code OB Desc:</b>				<b>North83:</b>	5022408
<b>Open Hole:</b>				<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>				<b>UTMRC:</b>	4
<b>Date Completed:</b>	12/12/2013			<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>				<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>	1005075018				
<b>Layer:</b>	3				
<b>Plug From:</b>	1.83				
<b>Plug To:</b>	4.88				
<b>Plug Depth UOM:</b>	m				
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>	1005075016				
<b>Layer:</b>	1				
<b>Plug From:</b>	0				
<b>Plug To:</b>	0.31				
<b>Plug Depth UOM:</b>	m				
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>	1005075017				
<b>Layer:</b>	2				
<b>Plug From:</b>	0.31				
<b>Plug To:</b>	1.83				
<b>Plug Depth UOM:</b>	m				
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>	1005075015				
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>	1005075007				



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing No: Comment: Alt Name:	0				
<b><u>Construction Record - Casing</u></b>					
Casing ID:	1005075011				
Layer:	1				
Material:	5				
Open Hole or Material:	PLASTIC				
Depth From:					
Depth To:					
Casing Diameter:	4.03				
Casing Diameter UOM:	cm				
Casing Depth UOM:	m				
<b><u>Construction Record - Screen</u></b>					
Screen ID:	1005075012				
Layer:	1				
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:	m				
Screen Diameter UOM:	cm				
Screen Diameter:	4.82				
<b><u>Water Details</u></b>					
Water ID:	1005075010				
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:	m				
<b><u>Hole Diameter</u></b>					
Hole ID:	1005075009				
Diameter:	20.32				
Depth From:	0				
Depth To:	1.83				
Hole Depth UOM:	m				
Hole Diameter UOM:	cm				

<a href="#">19</a>	1 of 1	E/132.4	65.0 / 1.08	3420 CARLING AVE Ottawa ON	WWIS
Well ID:	7204221			<b>Data Entry Status:</b>	
Construction Date:				<b>Data Src:</b>	
Primary Water Use:	Monitoring and Test Hole			<b>Date Received:</b>	7/5/2013
Sec. Water Use:	Test Hole			<b>Selected Flag:</b>	Yes
Final Well Status:	Test Hole			<b>Abandonment Rec:</b>	
Water Type:				<b>Contractor:</b>	7241
Casing Material:				<b>Form Version:</b>	7
Audit No:	Z168615			<b>Owner:</b>	
Tag:	A146633			<b>Street Name:</b>	3420 CARLING AVE
Construction Method:				<b>County:</b>	OTTAWA
Elevation (m):				<b>Municipality:</b>	NEPEAN TOWNSHIP
Elevation Reliability:				<b>Site Info:</b>	
Depth to Bedrock:				<b>Lot:</b>	

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

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/720\7204221.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7204221.pdf)

**Bore Hole Information**

Bore Hole ID:	1004395857	Elevation:	64.760581
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434580
Code OB Desc:		North83:	5022403
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	5/27/2013	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:			

**Overburden and Bedrock**

**Materials Interval**

Formation ID:	1004809355
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	.31
Formation End Depth:	1.5
Formation End Depth UOM:	m

**Overburden and Bedrock**

**Materials Interval**

Formation ID:	1004809354
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	0
Formation End Depth:	.31
Formation End Depth UOM:	m

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<i>Formation ID:</i>		1004809356			
<i>Layer:</i>		3			
<i>Color:</i>		2			
<i>General Color:</i>		GREY			
<i>Mat1:</i>		06			
<i>Most Common Material:</i>		SILT			
<i>Mat2:</i>		05			
<i>Mat2 Desc:</i>		CLAY			
<i>Mat3:</i>		85			
<i>Mat3 Desc:</i>		SOFT			
<i>Formation Top Depth:</i>		1.5			
<i>Formation End Depth:</i>		4.57			
<i>Formation End Depth UOM:</i>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<i>Plug ID:</i>		1004809365			
<i>Layer:</i>		2			
<i>Plug From:</i>		0.31			
<i>Plug To:</i>		1.22			
<i>Plug Depth UOM:</i>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<i>Plug ID:</i>		1004809364			
<i>Layer:</i>		1			
<i>Plug From:</i>		0			
<i>Plug To:</i>		0.31			
<i>Plug Depth UOM:</i>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<i>Plug ID:</i>		1004809366			
<i>Layer:</i>		3			
<i>Plug From:</i>		1.22			
<i>Plug To:</i>		4.57			
<i>Plug Depth UOM:</i>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<i>Method Construction ID:</i>		1004809363			
<i>Method Construction Code:</i>					
<i>Method Construction:</i>					
<i>Other Method Construction:</i>					
<b><u>Pipe Information</u></b>					
<i>Pipe ID:</i>		1004809353			
<i>Casing No:</i>		0			
<i>Comment:</i>					
<i>Alt Name:</i>					
<b><u>Construction Record - Casing</u></b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Casing ID:</b> 1004809359					
<b>Layer:</b> 1					
<b>Material:</b> 5					
<b>Open Hole or Material:</b> PLASTIC					
<b>Depth From:</b> 0					
<b>Depth To:</b> 1.5					
<b>Casing Diameter:</b> 4.03					
<b>Casing Diameter UOM:</b> cm					
<b>Casing Depth UOM:</b> m					
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b> 1004809360					
<b>Layer:</b> 1					
<b>Slot:</b> 10					
<b>Screen Top Depth:</b> 1.5					
<b>Screen End Depth:</b> 4.57					
<b>Screen Material:</b> 5					
<b>Screen Depth UOM:</b> m					
<b>Screen Diameter UOM:</b> cm					
<b>Screen Diameter:</b> 4.8					
<b><u>Water Details</u></b>					
<b>Water ID:</b> 1004809358					
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b> m					
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b> 1004809357					
<b>Diameter:</b> 0.2					
<b>Depth From:</b> 0					
<b>Depth To:</b> 4.57					
<b>Hole Depth UOM:</b> m					
<b>Hole Diameter UOM:</b> cm					

<u>20</u>	1 of 1	E/135.4	65.0 / 1.08	4 CRYSTAL BEACH RD. ON	WWIS
<b>Well ID:</b> 7198893				<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	
<b>Primary Water Use:</b> Monitoring and Test Hole				<b>Date Received:</b> 3/20/2013	
<b>Sec. Water Use:</b>				<b>Selected Flag:</b> Yes	
<b>Final Well Status:</b> Monitoring and Test Hole				<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b> 7241	
<b>Casing Material:</b>				<b>Form Version:</b> 7	
<b>Audit No:</b> Z164424				<b>Owner:</b>	
<b>Tag:</b> A141805				<b>Street Name:</b> 4 CRYSTAL BEACH RD.	
<b>Construction Method:</b>				<b>County:</b> OTTAWA	
<b>Elevation (m):</b>				<b>Municipality:</b> NEPEAN TOWNSHIP	
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	
<b>Well Depth:</b>				<b>Concession:</b>	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	

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

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/719\7198893.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/719\7198893.pdf)

**Bore Hole Information**

<b>Bore Hole ID:</b>	1004265163	<b>Elevation:</b>	64.757324
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	434583
<b>Code OB Desc:</b>		<b>North83:</b>	5022404
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	2/27/2013	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	1004914784
<b>Layer:</b>	1
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Mat1:</b>	02
<b>Most Common Material:</b>	TOPSOIL
<b>Mat2:</b>	05
<b>Mat2 Desc:</b>	CLAY
<b>Mat3:</b>	85
<b>Mat3 Desc:</b>	SOFT
<b>Formation Top Depth:</b>	0
<b>Formation End Depth:</b>	2.13
<b>Formation End Depth UOM:</b>	m

**Annular Space/Abandonment**

**Sealing Record**

<b>Plug ID:</b>	1004914792
<b>Layer:</b>	1
<b>Plug From:</b>	0
<b>Plug To:</b>	0.31
<b>Plug Depth UOM:</b>	m

**Annular Space/Abandonment**

**Sealing Record**

<b>Plug ID:</b>	1004914793
<b>Layer:</b>	2
<b>Plug From:</b>	0.31
<b>Plug To:</b>	2.13
<b>Plug Depth UOM:</b>	m

**Annular Space/Abandonment**

**Sealing Record**

<b>Plug ID:</b>	1004914794
<b>Layer:</b>	3

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Plug From:</i>		2.13			
<i>Plug To:</i>		5.49			
<i>Plug Depth UOM:</i>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<i>Method Construction ID:</i>		1004914791			
<i>Method Construction Code:</i>		D			
<i>Method Construction:</i>		Direct Push			
<i>Other Method Construction:</i>					
<b><u>Pipe Information</u></b>					
<i>Pipe ID:</i>		1004914783			
<i>Casing No:</i>		0			
<i>Comment:</i>					
<i>Alt Name:</i>					
<b><u>Construction Record - Casing</u></b>					
<i>Casing ID:</i>		1004914787			
<i>Layer:</i>		1			
<i>Material:</i>		5			
<i>Open Hole or Material:</i>		PLASTIC			
<i>Depth From:</i>		0			
<i>Depth To:</i>		2.44			
<i>Casing Diameter:</i>		4.03			
<i>Casing Diameter UOM:</i>		cm			
<i>Casing Depth UOM:</i>		m			
<b><u>Construction Record - Screen</u></b>					
<i>Screen ID:</i>		1004914788			
<i>Layer:</i>		1			
<i>Slot:</i>		10			
<i>Screen Top Depth:</i>		2.44			
<i>Screen End Depth:</i>		5.49			
<i>Screen Material:</i>		5			
<i>Screen Depth UOM:</i>		m			
<i>Screen Diameter UOM:</i>		cm			
<i>Screen Diameter:</i>		4.82			
<b><u>Water Details</u></b>					
<i>Water ID:</i>		1004914786			
<i>Layer:</i>					
<i>Kind Code:</i>					
<i>Kind:</i>					
<i>Water Found Depth:</i>					
<i>Water Found Depth UOM:</i>		m			
<b><u>Hole Diameter</u></b>					
<i>Hole ID:</i>		1004914785			
<i>Diameter:</i>		8.25			
<i>Depth From:</i>		0			
<i>Depth To:</i>		5.49			
<i>Hole Depth UOM:</i>		m			
<i>Hole Diameter UOM:</i>		cm			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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<a href="#">21</a>	1 of 2	E/135.4	65.0 / 1.08	4 CRYSTAL BEACH DR. OTTAWA ON	WWIS
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<b>Well ID:</b>	7198894	<b>Data Entry Status:</b>	
<b>Construction Date:</b>		<b>Data Src:</b>	
<b>Primary Water Use:</b>	Monitoring and Test Hole	<b>Date Received:</b>	3/20/2013
<b>Sec. Water Use:</b>		<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>	Monitoring and Test Hole	<b>Abandonment Rec:</b>	
<b>Water Type:</b>		<b>Contractor:</b>	7241
<b>Casing Material:</b>		<b>Form Version:</b>	7
<b>Audit No:</b>	Z164457	<b>Owner:</b>	
<b>Tag:</b>	A141803	<b>Street Name:</b>	4 CRYSTAL BEACH DR.
<b>Construction Method:</b>		<b>County:</b>	OTTAWA
<b>Elevation (m):</b>		<b>Municipality:</b>	NEPEAN TOWNSHIP
<b>Elevation Reliability:</b>		<b>Site Info:</b>	
<b>Depth to Bedrock:</b>		<b>Lot:</b>	
<b>Well Depth:</b>		<b>Concession:</b>	
<b>Overburden/Bedrock:</b>		<b>Concession Name:</b>	
<b>Pump Rate:</b>		<b>Easting NAD83:</b>	
<b>Static Water Level:</b>		<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>		<b>Zone:</b>	
<b>Flow Rate:</b>		<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>			

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/719\7198894.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/719\7198894.pdf)

**Bore Hole Information**

<b>Bore Hole ID:</b>	1004265166	<b>Elevation:</b>	64.76139
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	434583
<b>Code OB Desc:</b>		<b>North83:</b>	5022406
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	2/26/2013	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

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

<b>Formation ID:</b>	1004914838
<b>Layer:</b>	1
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Mat1:</b>	02
<b>Most Common Material:</b>	TOPSOIL
<b>Mat2:</b>	
<b>Mat2 Desc:</b>	
<b>Mat3:</b>	85
<b>Mat3 Desc:</b>	SOFT
<b>Formation Top Depth:</b>	0
<b>Formation End Depth:</b>	.31
<b>Formation End Depth UOM:</b>	m

**Overburden and Bedrock**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1004914840			
<b>Layer:</b>		3			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		06			
<b>Mat2 Desc:</b>		SILT			
<b>Mat3:</b>		85			
<b>Mat3 Desc:</b>		SOFT			
<b>Formation Top Depth:</b>		2.13			
<b>Formation End Depth:</b>		5.49			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1004914839			
<b>Layer:</b>		2			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		28			
<b>Mat2 Desc:</b>		SAND			
<b>Mat3:</b>		85			
<b>Mat3 Desc:</b>		SOFT			
<b>Formation Top Depth:</b>		.31			
<b>Formation End Depth:</b>		2.13			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1004914850			
<b>Layer:</b>		3			
<b>Plug From:</b>		2.13			
<b>Plug To:</b>		5.49			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1004914848			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		0.31			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1004914849			
<b>Layer:</b>		2			
<b>Plug From:</b>		0.31			
<b>Plug To:</b>		2.13			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Method Construction ID:</b>		1004914847			
<b>Method Construction Code:</b>		6			
<b>Method Construction:</b>		Boring			
<b>Other Method Construction:</b>		DIRECT PUSH			
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1004914837			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1004914843			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0			
<b>Depth To:</b>		2.49			
<b>Casing Diameter:</b>		10.16			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1004914844			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		2.44			
<b>Screen End Depth:</b>		5.49			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			
<b>Screen Diameter:</b>					
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1004914842			
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>		m			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1004914841			
<b>Diameter:</b>		30.48			
<b>Depth From:</b>		0			
<b>Depth To:</b>		5.49			
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			
<a href="#">21</a>	2 of 2	E/135.4	65.0 / 1.08	4 CRYSTAL BEACH ROAD OTTAWA ON	WWIS
<b>Well ID:</b>		7216114		<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	
<b>Primary Water Use:</b>		Monitoring and Test Hole		<b>Date Received:</b> 2/10/2014	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>	Abandoned-Other			<b>Abandonment Rec:</b>	Yes
<b>Water Type:</b>				<b>Contractor:</b>	7241
<b>Casing Material:</b>				<b>Form Version:</b>	7
<b>Audit No:</b>	Z179999			<b>Owner:</b>	
<b>Tag:</b>	A141801			<b>Street Name:</b>	4 CRYSTAL BEACH ROAD
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	NEPEAN TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	
<b>Well Depth:</b>				<b>Concession:</b>	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b>PDF URL (Map):</b>					
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	1004707000			<b>Elevation:</b>	64.76139
<b>DP2BR:</b>				<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b>	18
<b>Code OB:</b>				<b>East83:</b>	434583
<b>Code OB Desc:</b>				<b>North83:</b>	5022406
<b>Open Hole:</b>				<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>				<b>UTMRC:</b>	4
<b>Date Completed:</b>	12/12/2013			<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>				<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>	1005074994				
<b>Layer:</b>	3				
<b>Plug From:</b>	1.83				
<b>Plug To:</b>					
<b>Plug Depth UOM:</b>	m				
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>	1005074992				
<b>Layer:</b>	1				
<b>Plug From:</b>	0				
<b>Plug To:</b>	0.31				
<b>Plug Depth UOM:</b>	m				
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>	1005074993				
<b>Layer:</b>	2				
<b>Plug From:</b>	0.31				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Plug To:</b>		1.83			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1005074991			
<b>Method Construction Code:</b>					
<b>Method Construction:</b>					
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1005074983			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1005074987			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>					
<b>Depth To:</b>					
<b>Casing Diameter:</b>		10			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1005074988			
<b>Layer:</b>		1			
<b>Slot:</b>					
<b>Screen Top Depth:</b>					
<b>Screen End Depth:</b>					
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			
<b>Screen Diameter:</b>		10.92			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1005074986			
<b>Layer:</b>					
<b>Kind Code:</b>					
<b>Kind:</b>					
<b>Water Found Depth:</b>					
<b>Water Found Depth UOM:</b>		m			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1005074985			
<b>Diameter:</b>		20.32			
<b>Depth From:</b>		0			
<b>Depth To:</b>		1.83			
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">22</a>	1 of 1	ESE/135.8	64.9 / 1.00	1, 27, 29, 31, 35 & 37 Elterwater Avenue, 4 Crystal Beach Drive and 5 Ullswater Ottawa ON	EHS
<b>Order No:</b>	20111108028			<b>Nearest Intersection:</b>	
<b>Status:</b>	C			<b>Municipality:</b>	
<b>Report Type:</b>	Custom Report			<b>Client Prov/State:</b>	ON
<b>Report Date:</b>	11/14/2011			<b>Search Radius (km):</b>	0.25
<b>Date Received:</b>	11/8/2011 11:41:57 AM			<b>X:</b>	-75.835269
<b>Previous Site Name:</b>				<b>Y:</b>	45.351599
<b>Lot/Building Size:</b>					
<b>Additional Info Ordered:</b>					

<a href="#">23</a>	1 of 1	E/137.5	65.0 / 1.08	4 CRYSTAL BEACH RD. lot 13 con 1 OTTAWA ON	WWIS
<b>Well ID:</b>	7198892			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	
<b>Primary Water Use:</b>	Monitoring and Test Hole			<b>Date Received:</b>	3/20/2013
<b>Sec. Water Use:</b>				<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>	Monitoring and Test Hole			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	7241
<b>Casing Material:</b>				<b>Form Version:</b>	7
<b>Audit No:</b>	Z164463			<b>Owner:</b>	
<b>Tag:</b>	A141806			<b>Street Name:</b>	4 CRYSTAL BEACH RD.
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	NEPEAN TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	013
<b>Well Depth:</b>				<b>Concession:</b>	01
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	OF
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/719\7198892.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/719\7198892.pdf)

**Bore Hole Information**

<b>Bore Hole ID:</b>	1004265160	<b>Elevation:</b>	64.757514
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	434585
<b>Code OB Desc:</b>		<b>North83:</b>	5022410
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	5
<b>Date Completed:</b>	2/27/2013	<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	1004914730
<b>Layer:</b>	1

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		02			
<b>Most Common Material:</b>		TOPSOIL			
<b>Mat2:</b>		05			
<b>Mat2 Desc:</b>		CLAY			
<b>Mat3:</b>		85			
<b>Mat3 Desc:</b>		SOFT			
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		2.13			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		1004914731			
<b>Layer:</b>		2			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		06			
<b>Mat2 Desc:</b>		SILT			
<b>Mat3:</b>		85			
<b>Mat3 Desc:</b>		SOFT			
<b>Formation Top Depth:</b>		2.13			
<b>Formation End Depth:</b>		6.1			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1004914739			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		0.31			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1004914741			
<b>Layer:</b>		3			
<b>Plug From:</b>		2.74			
<b>Plug To:</b>		6.1			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>		1004914740			
<b>Layer:</b>		2			
<b>Plug From:</b>		0.31			
<b>Plug To:</b>		2.74			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>		1004914738			
<b>Method Construction Code:</b>		D			
<b>Method Construction:</b>		Direct Push			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Other Method Construction:**

**Pipe Information**

**Pipe ID:** 1004914729  
**Casing No:** 0  
**Comment:**  
**Alt Name:**

**Construction Record - Casing**

**Casing ID:** 1004914734  
**Layer:** 1  
**Material:** 5  
**Open Hole or Material:** PLASTIC  
**Depth From:** 0  
**Depth To:** 3.1  
**Casing Diameter:** 4.03  
**Casing Diameter UOM:** cm  
**Casing Depth UOM:** m

**Construction Record - Screen**

**Screen ID:** 1004914735  
**Layer:** 1  
**Slot:** 10  
**Screen Top Depth:** 3.1  
**Screen End Depth:** 6.1  
**Screen Material:** 5  
**Screen Depth UOM:** m  
**Screen Diameter UOM:** cm  
**Screen Diameter:** 4.81

**Water Details**

**Water ID:** 1004914733  
**Layer:**  
**Kind Code:**  
**Kind:**  
**Water Found Depth:**  
**Water Found Depth UOM:** m

**Hole Diameter**

**Hole ID:** 1004914732  
**Diameter:** 8.25  
**Depth From:** 0  
**Depth To:** 6.1  
**Hole Depth UOM:** m  
**Hole Diameter UOM:** cm

<a href="#">24</a>	1 of 1	E/137.7	65.0 / 1.08	233 ELTERWATER AVE. OTTAWA ON	WWIS
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**Well ID:** 7176933  
**Construction Date:**  
**Primary Water Use:** Monitoring and Test Hole  
**Sec. Water Use:** 0  
**Final Well Status:** Monitoring and Test Hole  
**Water Type:**  
**Casing Material:**

**Data Entry Status:**  
**Data Src:**  
**Date Received:** 2/17/2012  
**Selected Flag:** Yes  
**Abandonment Rec:**  
**Contractor:** 7241  
**Form Version:** 7

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Audit No:</b>	Z138897			<b>Owner:</b>	
<b>Tag:</b>	A123749			<b>Street Name:</b>	233 ELTERWATER AVE.
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	NEPEAN TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	
<b>Well Depth:</b>				<b>Concession:</b>	
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					
<b>PDF URL (Map):</b>	<a href="https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/717\7176933.pdf">https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/717\7176933.pdf</a>				

### Bore Hole Information

<b>Bore Hole ID:</b>	1003693846	<b>Elevation:</b>	64.734962
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	434585
<b>Code OB Desc:</b>		<b>North83:</b>	5022394
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	12/20/2011	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

### Overburden and Bedrock

#### Materials Interval

<b>Formation ID:</b>	1004092981
<b>Layer:</b>	2
<b>Color:</b>	2
<b>General Color:</b>	GREY
<b>Mat1:</b>	05
<b>Most Common Material:</b>	CLAY
<b>Mat2:</b>	06
<b>Mat2 Desc:</b>	SILT
<b>Mat3:</b>	85
<b>Mat3 Desc:</b>	SOFT
<b>Formation Top Depth:</b>	1.5
<b>Formation End Depth:</b>	3.66
<b>Formation End Depth UOM:</b>	m

### Overburden and Bedrock

#### Materials Interval

<b>Formation ID:</b>	1004092982
<b>Layer:</b>	3
<b>Color:</b>	2
<b>General Color:</b>	GREY
<b>Mat1:</b>	05
<b>Most Common Material:</b>	CLAY
<b>Mat2:</b>	06
<b>Mat2 Desc:</b>	SILT
<b>Mat3:</b>	85

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat3 Desc:</b>			SOFT		
<b>Formation Top Depth:</b>			3.66		
<b>Formation End Depth:</b>			6.1		
<b>Formation End Depth UOM:</b>			m		
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>			1004092980		
<b>Layer:</b>			1		
<b>Color:</b>			6		
<b>General Color:</b>			BROWN		
<b>Mat1:</b>			28		
<b>Most Common Material:</b>			SAND		
<b>Mat2:</b>			06		
<b>Mat2 Desc:</b>			SILT		
<b>Mat3:</b>			85		
<b>Mat3 Desc:</b>			SOFT		
<b>Formation Top Depth:</b>			0		
<b>Formation End Depth:</b>			1.5		
<b>Formation End Depth UOM:</b>			m		
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>			1004092991		
<b>Layer:</b>			2		
<b>Plug From:</b>			0.31		
<b>Plug To:</b>			2.74		
<b>Plug Depth UOM:</b>			m		
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>			1004092992		
<b>Layer:</b>			3		
<b>Plug From:</b>			2.74		
<b>Plug To:</b>			6.1		
<b>Plug Depth UOM:</b>			m		
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>			1004092990		
<b>Layer:</b>			1		
<b>Plug From:</b>			0		
<b>Plug To:</b>			0.31		
<b>Plug Depth UOM:</b>			m		
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>			1004092989		
<b>Method Construction Code:</b>			B		
<b>Method Construction:</b>			Other Method		
<b>Other Method Construction:</b>			D.P.		
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>			1004092979		
<b>Casing No:</b>			0		



Comment:  
Alt Name:

**Construction Record - Casing**

Casing ID: 1004092985  
 Layer: 1  
 Material: 5  
 Open Hole or Material: PLASTIC  
 Depth From: 0  
 Depth To: 3.1  
 Casing Diameter: 4.03  
 Casing Diameter UOM: cm  
 Casing Depth UOM: m

**Construction Record - Screen**

Screen ID: 1004092986  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 3.1  
 Screen End Depth: 6.1  
 Screen Material: 5  
 Screen Depth UOM: m  
 Screen Diameter UOM: cm  
 Screen Diameter: 4.82

**Water Details**

Water ID: 1004092984  
 Layer:  
 Kind Code:  
 Kind:  
 Water Found Depth:  
 Water Found Depth UOM: m

**Hole Diameter**

Hole ID: 1004092983  
 Diameter: 8.25  
 Depth From: 0  
 Depth To: 6.1  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

<a href="#">25</a>	1 of 1	E/137.9	65.0 / 1.08	4 CRYSTAL BEACH RD OTTAWA ON	WWIS
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Well ID: 7216115  
 Construction Date:  
 Primary Water Use: Monitoring and Test Hole  
 Sec. Water Use: 0  
 Final Well Status: Abandoned-Other  
 Water Type:  
 Casing Material:  
 Audit No: Z179997  
 Tag: A135014  
 Construction Method:  
 Elevation (m):  
 Elevation Reliability:  
 Depth to Bedrock:  
 Well Depth:

Data Entry Status:  
 Data Src:  
 Date Received: 2/10/2014  
 Selected Flag: Yes  
 Abandonment Rec: Yes  
 Contractor: 7241  
 Form Version: 7  
 Owner:  
 Street Name: 4 CRYSTAL BEACH RD  
 County: OTTAWA  
 Municipality: NEPEAN TOWNSHIP  
 Site Info:  
 Lot:  
 Concession:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Overburden/Bedrock:</b> <b>Pump Rate:</b> <b>Static Water Level:</b> <b>Flowing (Y/N):</b> <b>Flow Rate:</b> <b>Clear/Cloudy:</b>  <b>PDF URL (Map):</b>				<b>Concession Name:</b> <b>Easting NAD83:</b> <b>Northing NAD83:</b> <b>Zone:</b> <b>UTM Reliability:</b>	
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b> 1004707003 <b>DP2BR:</b> <b>Spatial Status:</b> <b>Code OB:</b> <b>Code OB Desc:</b> <b>Open Hole:</b> <b>Cluster Kind:</b> <b>Date Completed:</b> 12/12/2013 <b>Remarks:</b> <b>Elevrc Desc:</b> <b>Location Source Date:</b> <b>Improvement Location Source:</b> <b>Improvement Location Method:</b> <b>Source Revision Comment:</b> <b>Supplier Comment:</b>				<b>Elevation:</b> 64.730834 <b>Elevrc:</b> <b>Zone:</b> 18 <b>East83:</b> 434585 <b>North83:</b> 5022392 <b>Org CS:</b> UTM83 <b>UTMRC:</b> 4 <b>UTMRC Desc:</b> margin of error : 30 m - 100 m <b>Location Method:</b> wwr	
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b> 1005075005 <b>Layer:</b> 2 <b>Plug From:</b> 0.31 <b>Plug To:</b> 1.83 <b>Plug Depth UOM:</b> m					
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b> 1005075006 <b>Layer:</b> 3 <b>Plug From:</b> 1.83 <b>Plug To:</b> <b>Plug Depth UOM:</b> m					
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b> 1005075004 <b>Layer:</b> 1 <b>Plug From:</b> 0 <b>Plug To:</b> 0.31 <b>Plug Depth UOM:</b> m					
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b> 1005075003 <b>Method Construction Code:</b> <b>Method Construction:</b> <b>Other Method Construction:</b>					

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

Pipe ID: 1005074995  
 Casing No: 0  
 Comment:  
 Alt Name:

**Construction Record - Casing**

Casing ID: 1005074999  
 Layer: 1  
 Material: 5  
 Open Hole or Material: PLASTIC  
 Depth From:  
 Depth To:  
 Casing Diameter: 4.03  
 Casing Diameter UOM: cm  
 Casing Depth UOM: m

**Construction Record - Screen**

Screen ID: 1005075000  
 Layer: 1  
 Slot:  
 Screen Top Depth:  
 Screen End Depth:  
 Screen Material: 5  
 Screen Depth UOM: m  
 Screen Diameter UOM: cm  
 Screen Diameter: 4.21

**Water Details**

Water ID: 1005074998  
 Layer:  
 Kind Code:  
 Kind:  
 Water Found Depth:  
 Water Found Depth UOM: m

**Hole Diameter**

Hole ID: 1005074997  
 Diameter: 20.32  
 Depth From: 0  
 Depth To: 1.83  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

<u>26</u>	1 of 1	E/138.4	65.0 / 1.08	233 ELTER WATER AVE. lot 13 con 1 OTTAWA ON	WWIS
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Well ID: 7176932  
 Construction Date:  
 Primary Water Use: Monitoring and Test Hole  
 Sec. Water Use: 0  
 Final Well Status: Monitoring and Test Hole  
 Water Type:  
 Casing Material:  
 Audit No: Z134432  
 Tag: A123748

Data Entry Status:  
 Data Src:  
 Date Received: 2/17/2012  
 Selected Flag: Yes  
 Abandonment Rec:  
 Contractor: 7241  
 Form Version: 7  
 Owner:  
 Street Name: 233 ELTER WATER AVE.

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	NEPEAN TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	013
<b>Well Depth:</b>				<b>Concession:</b>	01
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	OF
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/717\7176932.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/717\7176932.pdf)

**Bore Hole Information**

<b>Bore Hole ID:</b>	1003697035	<b>Elevation:</b>	64.754859
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	434586
<b>Code OB Desc:</b>		<b>North83:</b>	5022407
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	12/20/2011	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock  
Materials Interval**

<b>Formation ID:</b>	1004092913
<b>Layer:</b>	3
<b>Color:</b>	2
<b>General Color:</b>	GREY
<b>Mat1:</b>	05
<b>Most Common Material:</b>	CLAY
<b>Mat2:</b>	06
<b>Mat2 Desc:</b>	SILT
<b>Mat3:</b>	85
<b>Mat3 Desc:</b>	SOFT
<b>Formation Top Depth:</b>	3.66
<b>Formation End Depth:</b>	6.1
<b>Formation End Depth UOM:</b>	m

**Overburden and Bedrock  
Materials Interval**

<b>Formation ID:</b>	1004092912
<b>Layer:</b>	2
<b>Color:</b>	2
<b>General Color:</b>	GREY
<b>Mat1:</b>	05
<b>Most Common Material:</b>	CLAY
<b>Mat2:</b>	06
<b>Mat2 Desc:</b>	SILT
<b>Mat3:</b>	85
<b>Mat3 Desc:</b>	SOFT
<b>Formation Top Depth:</b>	1.5

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Formation End Depth:</i>		3.66			
<i>Formation End Depth UOM:</i>		m			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<i>Formation ID:</i>		1004092911			
<i>Layer:</i>		1			
<i>Color:</i>		6			
<i>General Color:</i>		BROWN			
<i>Mat1:</i>		28			
<i>Most Common Material:</i>		SAND			
<i>Mat2:</i>		06			
<i>Mat2 Desc:</i>		SILT			
<i>Mat3:</i>		85			
<i>Mat3 Desc:</i>		SOFT			
<i>Formation Top Depth:</i>		0			
<i>Formation End Depth:</i>		1.5			
<i>Formation End Depth UOM:</i>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<i>Plug ID:</i>		1004092921			
<i>Layer:</i>		1			
<i>Plug From:</i>		0			
<i>Plug To:</i>		0.31			
<i>Plug Depth UOM:</i>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<i>Plug ID:</i>		1004092922			
<i>Layer:</i>		2			
<i>Plug From:</i>		0.31			
<i>Plug To:</i>		2.74			
<i>Plug Depth UOM:</i>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<i>Plug ID:</i>		1004092923			
<i>Layer:</i>		3			
<i>Plug From:</i>		2.74			
<i>Plug To:</i>		6.1			
<i>Plug Depth UOM:</i>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<i>Method Construction ID:</i>		1004092920			
<i>Method Construction Code:</i>		B			
<i>Method Construction:</i>		Other Method			
<i>Other Method Construction:</i>		D.P.			
<b><u>Pipe Information</u></b>					
<i>Pipe ID:</i>		1004092910			
<i>Casing No:</i>		0			
<i>Comment:</i>					
<i>Alt Name:</i>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Construction Record - Casing</u></b>					
Casing ID:		1004092916			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		3.1			
Casing Diameter:		4.03			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<b><u>Construction Record - Screen</u></b>					
Screen ID:		1004092917			
Layer:		1			
Slot:		10			
Screen Top Depth:		3.1			
Screen End Depth:		6.1			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.82			
<b><u>Water Details</u></b>					
Water ID:		1004092915			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<b><u>Hole Diameter</u></b>					
Hole ID:		1004092914			
Diameter:		8.25			
Depth From:		0			
Depth To:		6.1			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

<a href="#">27</a>	1 of 1	E/139.4	65.0 / 1.08	4 CRYSTAL BEACH DR. OTTAWA ON	WWIS
Well ID:	7198880			<b>Data Entry Status:</b>	
Construction Date:				<b>Data Src:</b>	
Primary Water Use:	Monitoring and Test Hole			<b>Date Received:</b>	3/20/2013
Sec. Water Use:				<b>Selected Flag:</b>	Yes
Final Well Status:	Monitoring and Test Hole			<b>Abandonment Rec:</b>	
Water Type:				<b>Contractor:</b>	7241
Casing Material:				<b>Form Version:</b>	7
Audit No:	Z164316			<b>Owner:</b>	
Tag:	A141802			<b>Street Name:</b>	4 CRYSTAL BEACH DR.
Construction Method:				<b>County:</b>	OTTAWA
Elevation (m):				<b>Municipality:</b>	NEPEAN TOWNSHIP
Elevation Reliability:				<b>Site Info:</b>	
Depth to Bedrock:				<b>Lot:</b>	
Well Depth:				<b>Concession:</b>	
Overburden/Bedrock:				<b>Concession Name:</b>	
Pump Rate:				<b>Easting NAD83:</b>	

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/719\7198880.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/719\7198880.pdf)

**Bore Hole Information**

<b>Bore Hole ID:</b>	1004265032	<b>Elevation:</b>	64.748268
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	434587
<b>Code OB Desc:</b>		<b>North83:</b>	5022404
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	2/26/2013	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	1004914563
<b>Layer:</b>	2
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Mat1:</b>	05
<b>Most Common Material:</b>	CLAY
<b>Mat2:</b>	28
<b>Mat2 Desc:</b>	SAND
<b>Mat3:</b>	85
<b>Mat3 Desc:</b>	SOFT
<b>Formation Top Depth:</b>	.31
<b>Formation End Depth:</b>	1.88
<b>Formation End Depth UOM:</b>	m

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	1004914564
<b>Layer:</b>	3
<b>Color:</b>	2
<b>General Color:</b>	GREY
<b>Mat1:</b>	05
<b>Most Common Material:</b>	CLAY
<b>Mat2:</b>	06
<b>Mat2 Desc:</b>	SILT
<b>Mat3:</b>	85
<b>Mat3 Desc:</b>	SOFT
<b>Formation Top Depth:</b>	1.88
<b>Formation End Depth:</b>	5.49
<b>Formation End Depth UOM:</b>	m

**Overburden and Bedrock**

**Materials Interval**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation ID:</b>		1004914562			
<b>Layer:</b>		1			
<b>Color:</b>		6			
<b>General Color:</b>		BROWN			
<b>Mat1:</b>		02			
<b>Most Common Material:</b>		TOPSOIL			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>		85			
<b>Mat3 Desc:</b>		SOFT			
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		.31			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1004914572			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		0.31			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1004914574			
<b>Layer:</b>		3			
<b>Plug From:</b>		2.13			
<b>Plug To:</b>		5.48			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1004914573			
<b>Layer:</b>		2			
<b>Plug From:</b>		0.31			
<b>Plug To:</b>		2.13			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1004914571			
<b>Method Construction Code:</b>		D			
<b>Method Construction:</b>		Direct Push			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1004914561			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1004914567			
<b>Layer:</b>		1			
<b>Material:</b>		5			



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Open Hole or Material:** PLASTIC  
**Depth From:** 0  
**Depth To:** 2.44  
**Casing Diameter:** 10.16  
**Casing Diameter UOM:** cm  
**Casing Depth UOM:** m

**Construction Record - Screen**

**Screen ID:** 1004914568  
**Layer:** 1  
**Slot:** 10  
**Screen Top Depth:** 2.44  
**Screen End Depth:** 5.49  
**Screen Material:** 5  
**Screen Depth UOM:** m  
**Screen Diameter UOM:** cm  
**Screen Diameter:**

**Water Details**

**Water ID:** 1004914566  
**Layer:**  
**Kind Code:**  
**Kind:**  
**Water Found Depth:**  
**Water Found Depth UOM:** m

**Hole Diameter**

**Hole ID:** 1004914565  
**Diameter:** 30.48  
**Depth From:** 0  
**Depth To:** 5.49  
**Hole Depth UOM:** m  
**Hole Diameter UOM:** cm

<a href="#">28</a>	1 of 1	E/140.5	63.8 / -0.09	4 CRYSTAL BEACH DR Ottawa ON	WWIS
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**Well ID:** 7190963  
**Construction Date:**  
**Primary Water Use:** Monitoring and Test Hole  
**Sec. Water Use:** 0  
**Final Well Status:** Test Hole  
**Water Type:**  
**Casing Material:**  
**Audit No:** Z156928  
**Tag:** A135015  
**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:** 11/9/2012  
**Selected Flag:** Yes  
**Abandonment Rec:**  
**Contractor:** 7241  
**Form Version:** 7  
**Owner:**  
**Street Name:** 4 CRYSTAL BEACH DR  
**County:** OTTAWA  
**Municipality:** NEPEAN TOWNSHIP  
**Site Info:**  
**Lot:**  
**Concession:**  
**Concession Name:**  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

**PDF URL (Map):**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Bore Hole Information**

<b>Bore Hole ID:</b>	1004199533	<b>Elevation:</b>	64.734039
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	434587
<b>Code OB Desc:</b>		<b>North83:</b>	5022421
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	10/2/2012	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	1004486634
<b>Layer:</b>	1
<b>Color:</b>	6
<b>General Color:</b>	BROWN
<b>Mat1:</b>	02
<b>Most Common Material:</b>	TOPSOIL
<b>Mat2:</b>	
<b>Mat2 Desc:</b>	
<b>Mat3:</b>	85
<b>Mat3 Desc:</b>	SOFT
<b>Formation Top Depth:</b>	0
<b>Formation End Depth:</b>	.61
<b>Formation End Depth UOM:</b>	m

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	1004486635
<b>Layer:</b>	2
<b>Color:</b>	2
<b>General Color:</b>	GREY
<b>Mat1:</b>	05
<b>Most Common Material:</b>	CLAY
<b>Mat2:</b>	85
<b>Mat2 Desc:</b>	SOFT
<b>Mat3:</b>	
<b>Mat3 Desc:</b>	
<b>Formation Top Depth:</b>	.61
<b>Formation End Depth:</b>	4.57
<b>Formation End Depth UOM:</b>	m

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	1004486636
<b>Layer:</b>	3
<b>Color:</b>	2
<b>General Color:</b>	GREY
<b>Mat1:</b>	05
<b>Most Common Material:</b>	CLAY

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat2:</b>		06			
<b>Mat2 Desc:</b>		SILT			
<b>Mat3:</b>		85			
<b>Mat3 Desc:</b>		SOFT			
<b>Formation Top Depth:</b>		4.57			
<b>Formation End Depth:</b>		6.1			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1004486644			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		0.31			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1004486646			
<b>Layer:</b>		3			
<b>Plug From:</b>		2.74			
<b>Plug To:</b>		6.1			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1004486645			
<b>Layer:</b>		2			
<b>Plug From:</b>		0.31			
<b>Plug To:</b>		2.74			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1004486643			
<b>Method Construction Code:</b>		D			
<b>Method Construction:</b>		Direct Push			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1004486633			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1004486639			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0			
<b>Depth To:</b>		3.1			
<b>Casing Diameter:</b>		4.03			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Construction Record - Screen**

Screen ID: 1004486640  
 Layer: 1  
 Slot: 10  
 Screen Top Depth: 3.1  
 Screen End Depth: 6.1  
 Screen Material: 5  
 Screen Depth UOM: m  
 Screen Diameter UOM: cm  
 Screen Diameter: 4.82

**Water Details**

Water ID: 1004486638  
 Layer: 1  
 Kind Code:  
 Kind:  
 Water Found Depth:  
 Water Found Depth UOM: m

**Hole Diameter**

Hole ID: 1004486637  
 Diameter: 8.25  
 Depth From: 0  
 Depth To: 6.1  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

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<a href="#">29</a>	1 of 1	E/141.4	65.0 / 1.08	4 CRYSTAL BEACH DR. OTTAWA ON	<a href="#">WWIS</a>
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Well ID: 7198881  
 Construction Date:  
 Primary Water Use: Monitoring and Test Hole  
 Sec. Water Use:  
 Final Well Status: Monitoring and Test Hole  
 Water Type:  
 Casing Material:  
 Audit No: Z164460  
 Tag: A141801  
 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: 3/20/2013  
 Selected Flag: Yes  
 Abandonment Rec:  
 Contractor: 7241  
 Form Version: 7  
 Owner:  
 Street Name: 4 CRYSTAL BEACH DR.  
 County: OTTAWA  
 Municipality: NEPEAN TOWNSHIP  
 Site Info:  
 Lot:  
 Concession:  
 Concession Name:  
 Easting NAD83:  
 Northing NAD83:  
 Zone:  
 UTM Reliability:

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/719\7198881.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/719\7198881.pdf)

**Bore Hole Information**

Bore Hole ID: 1004265035  
 DP2BR:  
 Spatial Status:  
 Elevation: 64.745056  
 Elevrc:  
 Zone: 18

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Code OB:				East83:	434589
Code OB Desc:				North83:	5022407
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	2/26/2013			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:					

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

Formation ID: 1004914578  
 Layer: 3  
 Color: 2  
 General Color: GREY  
 Mat1: 05  
 Most Common Material: CLAY  
 Mat2: 06  
 Mat2 Desc: SILT  
 Mat3: 85  
 Mat3 Desc: SOFT  
 Formation Top Depth: 2.13  
 Formation End Depth: 5.49  
 Formation End Depth UOM: m

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

Formation ID: 1004914577  
 Layer: 2  
 Color: 6  
 General Color: BROWN  
 Mat1: 05  
 Most Common Material: CLAY  
 Mat2: 28  
 Mat2 Desc: SAND  
 Mat3: 85  
 Mat3 Desc: SOFT  
 Formation Top Depth: .31  
 Formation End Depth: 2.13  
 Formation End Depth UOM: m

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

Formation ID: 1004914576  
 Layer: 1  
 Color: 6  
 General Color: BROWN  
 Mat1: 02  
 Most Common Material: TOPSOIL  
 Mat2:  
 Mat2 Desc:  
 Mat3: 85  
 Mat3 Desc: SOFT  
 Formation Top Depth: 0  
 Formation End Depth: .31  
 Formation End Depth UOM: m

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1004914586			
<b>Layer:</b>		1			
<b>Plug From:</b>		0			
<b>Plug To:</b>		0.31			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1004914587			
<b>Layer:</b>		2			
<b>Plug From:</b>		0.31			
<b>Plug To:</b>		2.13			
<b>Plug Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1004914588			
<b>Layer:</b>		3			
<b>Plug From:</b>		2.13			
<b>Plug To:</b>		5.49			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1004914585			
<b>Method Construction Code:</b>		D			
<b>Method Construction:</b>		Direct Push			
<b>Other Method Construction:</b>		BORING			
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1004914575			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1004914581			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		0			
<b>Depth To:</b>		2.44			
<b>Casing Diameter:</b>		10.16			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1004914582			
<b>Layer:</b>		1			
<b>Slot:</b>		10			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Top Depth:		2.44			
Screen End Depth:		5.49			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		12.65			

**Water Details**

Water ID: 1004914580  
 Layer:  
 Kind Code:  
 Kind:  
 Water Found Depth:  
 Water Found Depth UOM: m

**Hole Diameter**

Hole ID: 1004914579  
 Diameter: 30.48  
 Depth From: 0  
 Depth To: 5.49  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

<a href="#">30</a>	1 of 1	E/145.5	64.9 / 1.00	3420 CARLING AVE Ottawa ON	WWIS
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Well ID: 7204223  
 Construction Date:  
 Primary Water Use: Monitoring and Test Hole  
 Sec. Water Use:  
 Final Well Status: Test Hole  
 Water Type:  
 Casing Material:  
 Audit No: Z168613  
 Tag: A146647  
 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: 7/5/2013  
 Selected Flag: Yes  
 Abandonment Rec:  
 Contractor: 7241  
 Form Version: 7  
 Owner:  
 Street Name: 3420 CARLING AVE  
 County: OTTAWA  
 Municipality: NEPEAN TOWNSHIP  
 Site Info:  
 Lot:  
 Concession:  
 Concession Name:  
 Easting NAD83:  
 Northing NAD83:  
 Zone:  
 UTM Reliability:

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/720\7204223.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7204223.pdf)

**Bore Hole Information**

Bore Hole ID: 1004396071  
 DP2BR:  
 Spatial Status:  
 Code OB:  
 Code OB Desc:  
 Open Hole:  
 Cluster Kind:  
 Date Completed: 5/28/2013  
 Remarks:

Elevation: 64.701881  
 Elevrc:  
 Zone: 18  
 East83: 434592  
 North83: 5022386  
 Org CS: UTM83  
 UTMRC: 4  
 UTMRC Desc: margin of error : 30 m - 100 m  
 Location Method: wwr

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>			1004809383		
<b>Layer:</b>			2		
<b>Color:</b>			2		
<b>General Color:</b>			GREY		
<b>Mat1:</b>			06		
<b>Most Common Material:</b>			SILT		
<b>Mat2:</b>			05		
<b>Mat2 Desc:</b>			CLAY		
<b>Mat3:</b>			85		
<b>Mat3 Desc:</b>			SOFT		
<b>Formation Top Depth:</b>			.31		
<b>Formation End Depth:</b>			1.5		
<b>Formation End Depth UOM:</b>			m		
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>			1004809384		
<b>Layer:</b>			3		
<b>Color:</b>			2		
<b>General Color:</b>			GREY		
<b>Mat1:</b>			06		
<b>Most Common Material:</b>			SILT		
<b>Mat2:</b>			05		
<b>Mat2 Desc:</b>			CLAY		
<b>Mat3:</b>			85		
<b>Mat3 Desc:</b>			SOFT		
<b>Formation Top Depth:</b>			1.5		
<b>Formation End Depth:</b>			4.57		
<b>Formation End Depth UOM:</b>			m		
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>			1004809382		
<b>Layer:</b>			1		
<b>Color:</b>			8		
<b>General Color:</b>			BLACK		
<b>Mat1:</b>			11		
<b>Most Common Material:</b>			GRAVEL		
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>			73		
<b>Mat3 Desc:</b>			HARD		
<b>Formation Top Depth:</b>			0		
<b>Formation End Depth:</b>			.31		
<b>Formation End Depth UOM:</b>			m		
<b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>			1004809393		



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Layer:</b>	2				
<b>Plug From:</b>	0.31				
<b>Plug To:</b>	1.22				
<b>Plug Depth UOM:</b>	m				
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>	1004809394				
<b>Layer:</b>	3				
<b>Plug From:</b>	1.22				
<b>Plug To:</b>	4.57				
<b>Plug Depth UOM:</b>	m				
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>	1004809392				
<b>Layer:</b>	1				
<b>Plug From:</b>	0				
<b>Plug To:</b>	0.31				
<b>Plug Depth UOM:</b>	m				
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>	1004809391				
<b>Method Construction Code:</b>	B				
<b>Method Construction:</b>	Other Method				
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>	1004809381				
<b>Casing No:</b>	0				
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>	1004809387				
<b>Layer:</b>	1				
<b>Material:</b>	5				
<b>Open Hole or Material:</b>	PLASTIC				
<b>Depth From:</b>	0				
<b>Depth To:</b>	1.5				
<b>Casing Diameter:</b>	4.03				
<b>Casing Diameter UOM:</b>	cm				
<b>Casing Depth UOM:</b>	m				
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>	1004809388				
<b>Layer:</b>	1				
<b>Slot:</b>	10				
<b>Screen Top Depth:</b>	1.5				
<b>Screen End Depth:</b>	4.57				
<b>Screen Material:</b>	5				
<b>Screen Depth UOM:</b>	m				
<b>Screen Diameter UOM:</b>	cm				
<b>Screen Diameter:</b>	4.82				

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

Water ID: 1004809386  
 Layer:  
 Kind Code:  
 Kind:  
 Water Found Depth:  
 Water Found Depth UOM: m

**Hole Diameter**

Hole ID: 1004809385  
 Diameter: 8.25  
 Depth From: 0  
 Depth To: 4.57  
 Hole Depth UOM: m  
 Hole Diameter UOM: cm

<a href="#">31</a>	1 of 1	WNW/164.3	62.2 / -1.69	lot 12 con 1 ON	WWIS
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Well ID: 1503804	Data Entry Status: 1
Construction Date:	Data Src: 7/20/1956
Primary Water Use: Domestic	Date Received: 7/20/1956
Sec. Water Use: 0	Selected Flag: Yes
Final Well Status: Water Supply	Abandonment Rec:
Water Type:	Contractor: 4825
Casing Material:	Form Version: 1
Audit No:	Owner:
Tag:	Street Name:
Construction Method:	County: OTTAWA
Elevation (m):	Municipality: NEPEAN TOWNSHIP
Elevation Reliability:	Site Info:
Depth to Bedrock:	Lot: 012
Well Depth:	Concession: 01
Overburden/Bedrock:	Concession Name: OF
Pump Rate:	Easting NAD83:
Static Water Level:	Northing NAD83:
Flowing (Y/N):	Zone:
Flow Rate:	UTM Reliability:
Clear/Cloudy:	

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1503804.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503804.pdf)

**Bore Hole Information**

Bore Hole ID: 10025847	Elevation: 63.538253
DP2BR: 16	Elevrc:
Spatial Status:	Zone: 18
Code OB: r	East83: 434300.6
Code OB Desc: Bedrock	North83: 5022477
Open Hole:	Org CS:
Cluster Kind:	UTMRC: 5
Date Completed: 5/29/1956	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:	

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		930997612			
<b>Layer:</b>		1			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		16			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		930997613			
<b>Layer:</b>		2			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		15			
<b>Most Common Material:</b>		LIMESTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		16			
<b>Formation End Depth:</b>		50			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961503804			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10574417			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930044447			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		28			
<b>Casing Diameter:</b>		5			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Construction Record - Casing</u></b>					
Casing ID:		930044448			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		50			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<b><u>Results of Well Yield Testing</u></b>					
Pump Test ID:		991503804			
Pump Set At:					
Static Level:		18			
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:		30			
Flowing:		No			
<b><u>Water Details</u></b>					
Water ID:		933456791			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		40			
Water Found Depth UOM:		ft			
<a href="#">32</a>	1 of 2	NNE/173.0	61.8 / -2.03	Enbridge Gas Distribution Inc. 62 Loch Isle Road Ottawa ON	SPL
Ref No:	8113-BDYKVF			Discharger Report:	
Site No:	NA			Material Group:	
Incident Dt:	7/11/2019			Health/Env Conseq:	2 - Minor Environment Corporation
Year:				Client Type:	Miscellaneous Communal
Incident Cause:				Sector Type:	
Incident Event:	Leak/Break			Agency Involved:	
Contaminant Code:	35			Nearest Watercourse:	
Contaminant Name:	NATURAL GAS (METHANE)			Site Address:	62 Loch Isle Road
Contaminant Limit 1:				Site District Office:	Ottawa
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:	1075			Site Region:	Eastern
Environment Impact:				Site Municipality:	Ottawa
Nature of Impact:				Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:	Air			Northing:	
MOE Response:	No			Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	7/11/2019			Site Map Datum:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Dt Document Closed:</b>	9/28/2019			<b>SAC Action Class:</b>	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
<b>Incident Reason:</b>	Operator/Human Error			<b>Source Type:</b>	Pipeline/Components
<b>Site Name:</b>	residential<UNOFFICIAL>				
<b>Site County/District:</b>					
<b>Site Geo Ref Meth:</b>					
<b>Incident Summary:</b>	TSSA – Enbridge, ½" plastic service IP line damaged, made safe				
<b>Contaminant Qty:</b>	0 other - see incident description				

<a href="#">32</a>	2 of 2	NNE/173.0	61.8 / -2.03	ENBRIDGE GAS INC 62 LOCH ISLE RD,,NEPEAN,ON,K2H 8G8,CA ON	PINC
<b>Incident ID:</b>				<b>Fuel Category:</b>	
<b>Incident No:</b>	2631550			<b>Health Impact:</b>	
<b>Incident Reported Dt:</b>	7/11/2019			<b>Environment Impact:</b>	
<b>Type:</b>	FS-Pipeline Incident			<b>Property Damage:</b>	
<b>Status Code:</b>				<b>Service Interrupt:</b>	
<b>Customer Acct Name:</b>	ENBRIDGE GAS INC			<b>Enforce Policy:</b>	
<b>Incident Address:</b>	62 LOCH ISLE RD,,NEPEAN,ON,K2H 8G8,CA			<b>Public Relation:</b>	
<b>Tank Status:</b>	Pipeline Damage Reason Est			<b>Pipeline System:</b>	
<b>Task No:</b>				<b>Depth:</b>	
<b>Spills Action Centre:</b>				<b>Pipe Material:</b>	
<b>Fuel Type:</b>				<b>PSIG:</b>	
<b>Fuel Occurrence Tp:</b>				<b>Attribute Category:</b>	
<b>Date of Occurrence:</b>				<b>Regulator Location:</b>	
<b>Occurrence Start Dt:</b>				<b>Method Details:</b>	
<b>Operation Type:</b>					
<b>Pipeline Type:</b>					
<b>Regulator Type:</b>					
<b>Summary:</b>					
<b>Reported By:</b>					
<b>Affiliation:</b>					
<b>Occurrence Desc:</b>					
<b>Damage Reason:</b>					
<b>Notes:</b>					

<a href="#">33</a>	1 of 1	WNW/181.0	61.0 / -2.91	lot 12 con 1 ON	WWIS
<b>Well ID:</b>	1503794			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	4/24/1962
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	4216
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	NEPEAN TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	012
<b>Well Depth:</b>				<b>Concession:</b>	01
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	OF
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1503794.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503794.pdf)

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b><u>Bore Hole Information</u></b>					
<b>Bore Hole ID:</b>	10025837			<b>Elevation:</b>	61.738437
<b>DP2BR:</b>	50			<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b>	18
<b>Code OB:</b>	r			<b>East83:</b>	434310.6
<b>Code OB Desc:</b>	Bedrock			<b>North83:</b>	5022522
<b>Open Hole:</b>				<b>Org CS:</b>	
<b>Cluster Kind:</b>				<b>UTMRC:</b>	5
<b>Date Completed:</b>	3/13/1962			<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Remarks:</b>				<b>Location Method:</b>	p5
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	930997586				
<b>Layer:</b>	3				
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>	11				
<b>Most Common Material:</b>	GRAVEL				
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>	45				
<b>Formation End Depth:</b>	50				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	930997584				
<b>Layer:</b>	1				
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>	05				
<b>Most Common Material:</b>	CLAY				
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>	0				
<b>Formation End Depth:</b>	20				
<b>Formation End Depth UOM:</b>	ft				
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>	930997587				
<b>Layer:</b>	4				
<b>Color:</b>	2				
<b>General Color:</b>	GREY				
<b>Mat1:</b>	15				
<b>Most Common Material:</b>	LIMESTONE				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		50			
<b>Formation End Depth:</b>		90			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		930997585			
<b>Layer:</b>		2			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		09			
<b>Most Common Material:</b>		MEDIUM SAND			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		20			
<b>Formation End Depth:</b>		45			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961503794			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10574407			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930044429			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		90			
<b>Casing Diameter:</b>		4			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930044428			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		55			
<b>Casing Diameter:</b>		4			
<b>Casing Diameter UOM:</b>		inch			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Depth UOM:		ft			
<b><u>Results of Well Yield Testing</u></b>					
Pump Test ID:	991503794				
Pump Set At:					
Static Level:	20				
Final Level After Pumping:	20				
Recommended Pump Depth:	25				
Pumping Rate:	10				
Flowing Rate:					
Recommended Pump Rate:	10				
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	2				
Water State After Test:	CLOUDY				
Pumping Test Method:	1				
Pumping Duration HR:	1				
Pumping Duration MIN:	0				
Flowing:	No				
<b><u>Water Details</u></b>					
Water ID:	933456776				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	80				
Water Found Depth UOM:	ft				

**34**      1 of 1      **WNW/181.1**      **61.0 / -2.91**      **ON**      **BORE**

<b>Borehole ID:</b>	610870	<b>Inclin FLG:</b>	No
<b>OGF ID:</b>	215512380	<b>SP Status:</b>	Initial Entry
<b>Status:</b>		<b>Surv Elev:</b>	No
<b>Type:</b>	Borehole	<b>Piezometer:</b>	No
<b>Use:</b>		<b>Primary Name:</b>	
<b>Completion Date:</b>	MAR-1962	<b>Municipality:</b>	
<b>Static Water Level:</b>		<b>Lot:</b>	
<b>Primary Water Use:</b>		<b>Township:</b>	
<b>Sec. Water Use:</b>		<b>Latitude DD:</b>	45.353132
<b>Total Depth m:</b>	27.4	<b>Longitude DD:</b>	-75.838627
<b>Depth Ref:</b>	Ground Surface	<b>UTM Zone:</b>	18
<b>Depth Elev:</b>		<b>Easting:</b>	434311
<b>Drill Method:</b>		<b>Northing:</b>	5022522
<b>Orig Ground Elev m:</b>	61	<b>Location Accuracy:</b>	
<b>Elev Reliabil Note:</b>		<b>Accuracy:</b>	Not Applicable
<b>DEM Ground Elev m:</b>	61.7		
<b>Concession:</b>			
<b>Location D:</b>			
<b>Survey D:</b>			
<b>Comments:</b>			

**Borehole Geology Stratum**

<b>Geology Stratum ID:</b>	218386783	<b>Mat Consistency:</b>	
<b>Top Depth:</b>	0	<b>Material Moisture:</b>	
<b>Bottom Depth:</b>	6.1	<b>Material Texture:</b>	
<b>Material Color:</b>		<b>Non Geo Mat Type:</b>	
<b>Material 1:</b>	Clay	<b>Geologic Formation:</b>	
<b>Material 2:</b>		<b>Geologic Group:</b>	



Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b>		CLAY.		<b>Geologic Period:</b> <b>Depositional Gen:</b>	
<b>Geology Stratum ID:</b> 218386785 <b>Top Depth:</b> 13.7 <b>Bottom Depth:</b> 15.2 <b>Material Color:</b> <b>Material 1:</b> Gravel <b>Material 2:</b> <b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b>		GRAVEL.		<b>Mat Consistency:</b> <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>	
<b>Geology Stratum ID:</b> 218386784 <b>Top Depth:</b> 6.1 <b>Bottom Depth:</b> 13.7 <b>Material Color:</b> <b>Material 1:</b> Sand <b>Material 2:</b> <b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b>		SAND.		<b>Mat Consistency:</b> <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>	
<b>Geology Stratum ID:</b> 218386786 <b>Top Depth:</b> 15.2 <b>Bottom Depth:</b> 27.4 <b>Material Color:</b> Grey <b>Material 1:</b> Limestone <b>Material 2:</b> <b>Material 3:</b> <b>Material 4:</b> <b>Gsc Material Description:</b> <b>Stratum Description:</b>		LIMESTONE. GREY. 00080DROCK,SANDSTONE. GREY,FRIABLE,FRACTURED. 5 00026 004 00000054		<b>Mat Consistency:</b> <b>Material Moisture:</b> <b>Material Texture:</b> <b>Non Geo Mat Type:</b> <b>Geologic Formation:</b> <b>Geologic Group:</b> <b>Geologic Period:</b> <b>Depositional Gen:</b>	
**Note: Many records provided by the department have a truncated [Stratum Description] field.					
<b>Source</b>					
<b>Source Type:</b> Data Survey <b>Source Orig:</b> Geological Survey of Canada <b>Source Date:</b> 1956-1972 <b>Confidence:</b> <b>Observatio:</b> <b>Source Name:</b> Urban Geology Automated Information System (UGAIS) <b>Source Details:</b> File: OTTAWA1.txt RecordID: 03378 NTS_Sheet: <b>Confiden 1:</b>		<b>Source Appl:</b> Spatial/Tabular <b>Source Iden:</b> 1 <b>Scale or Res:</b> Varies <b>Horizontal:</b> NAD27 <b>Verticalda:</b> Mean Average Sea Level			
<b>Source List</b>					
<b>Source Identifier:</b> 1 <b>Source Type:</b> Data Survey <b>Source Date:</b> 1956-1972 <b>Scale or Resolution:</b> Varies <b>Source Name:</b> Urban Geology Automated Information System (UGAIS) <b>Source Originators:</b> Geological Survey of Canada		<b>Horizontal Datum:</b> NAD27 <b>Vertical Datum:</b> Mean Average Sea Level <b>Projection Name:</b> Universal Transverse Mercator			

35

1 of 1

ENE/185.6

62.9 / -0.97

lot 13 con 1  
ON

WWIS

Well ID:

1503824

Data Entry Status:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	5/19/1960
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	3504
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	NEPEAN TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	013
<b>Well Depth:</b>				<b>Concession:</b>	01
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	OF
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1503824.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503824.pdf)

#### Bore Hole Information

<b>Bore Hole ID:</b>	10025867	<b>Elevation:</b>	62.914989
<b>DP2BR:</b>	46	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	434590.6
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5022522
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	5
<b>Date Completed:</b>	3/23/1960	<b>UTMRC Desc:</b>	margin of error : 100 m - 300 m
<b>Remarks:</b>		<b>Location Method:</b>	p5
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

#### Overburden and Bedrock

##### Materials Interval

<b>Formation ID:</b>	930997656
<b>Layer:</b>	1
<b>Color:</b>	
<b>General Color:</b>	
<b>Mat1:</b>	05
<b>Most Common Material:</b>	CLAY
<b>Mat2:</b>	
<b>Mat2 Desc:</b>	
<b>Mat3:</b>	
<b>Mat3 Desc:</b>	
<b>Formation Top Depth:</b>	0
<b>Formation End Depth:</b>	46
<b>Formation End Depth UOM:</b>	ft

#### Overburden and Bedrock

##### Materials Interval

<b>Formation ID:</b>	930997657
<b>Layer:</b>	2
<b>Color:</b>	

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>General Color:</b>					
<b>Mat1:</b>		15			
<b>Most Common Material:</b>		LIMESTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		46			
<b>Formation End Depth:</b>		96			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961503824			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10574437			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930044490			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		96			
<b>Casing Diameter:</b>		5			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930044489			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		55			
<b>Casing Diameter:</b>		5			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991503824			
<b>Pump Set At:</b>					
<b>Static Level:</b>		19			
<b>Final Level After Pumping:</b>		40			
<b>Recommended Pump Depth:</b>		40			
<b>Pumping Rate:</b>		6			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		6			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Water State After Test Code:</b> 2 <b>Water State After Test:</b> CLOUDY <b>Pumping Test Method:</b> 1 <b>Pumping Duration HR:</b> 1 <b>Pumping Duration MIN:</b> 0 <b>Flowing:</b> No					
<b><u>Water Details</u></b>					
<b>Water ID:</b> 933456816 <b>Layer:</b> 1 <b>Kind Code:</b> 1 <b>Kind:</b> FRESH <b>Water Found Depth:</b> 96 <b>Water Found Depth UOM:</b> ft					
<a href="#">36</a>	1 of 1	W/186.0	64.2 / 0.33	1 & 3 Ullswater Drive, 25 & 33 Elterwater Avenue and 2A & 2B Crystal Beach Drive Ottawa ON	EHS
<b>Order No:</b> 20111108027 <b>Status:</b> C <b>Report Type:</b> Custom Report <b>Report Date:</b> 11/14/2011 <b>Date Received:</b> 11/8/2011 11:38:03 AM <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b>					
<b>Nearest Intersection:</b> <b>Municipality:</b> <b>Client Prov/State:</b> ON <b>Search Radius (km):</b> 0.25 <b>X:</b> -75.839543 <b>Y:</b> 45.351655					
<a href="#">37</a>	1 of 4	W/186.0	64.2 / 0.33	1 Ullswater Drive Ottawa ON K2H 5H2	EHS
<b>Order No:</b> 20191128050 <b>Status:</b> C <b>Report Type:</b> Site Report <b>Report Date:</b> 29-NOV-19 <b>Date Received:</b> 28-NOV-19 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b>					
<b>Nearest Intersection:</b> <b>Municipality:</b> <b>Client Prov/State:</b> ON <b>Search Radius (km):</b> .001 <b>X:</b> -75.839223 <b>Y:</b> 45.351897					
<a href="#">37</a>	2 of 4	W/186.0	64.2 / 0.33	1 Ullswater Drive Ottawa ON K2H 5H2	EHS
<b>Order No:</b> 20191128050 <b>Status:</b> C <b>Report Type:</b> Site Report <b>Report Date:</b> 29-NOV-19 <b>Date Received:</b> 28-NOV-19 <b>Previous Site Name:</b> <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b>					
<b>Nearest Intersection:</b> <b>Municipality:</b> <b>Client Prov/State:</b> ON <b>Search Radius (km):</b> .001 <b>X:</b> -75.839223 <b>Y:</b> 45.351897					
<a href="#">37</a>	3 of 4	W/186.0	64.2 / 0.33	1 Ullswater Drive Ottawa ON K2H 5H2	EHS
<b>Order No:</b> 20191128050 <b>Status:</b> C <b>Report Type:</b> Site Report					
<b>Nearest Intersection:</b> <b>Municipality:</b> <b>Client Prov/State:</b> ON					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Report Date:</b> 29-NOV-19 <b>Search Radius (km):</b> .001 <b>Date Received:</b> 28-NOV-19 <b>X:</b> -75.839223 <b>Previous Site Name:</b> <b>Y:</b> 45.351897 <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b>					
<a href="#">37</a>	4 of 4	W/186.0	64.2 / 0.33	1 Ullswater Drive Ottawa ON K2H 5H2	EHS
<b>Order No:</b> 20191128050 <b>Nearest Intersection:</b> <b>Status:</b> C <b>Municipality:</b> <b>Report Type:</b> Site Report <b>Client Prov/State:</b> ON <b>Report Date:</b> 29-NOV-19 <b>Search Radius (km):</b> .001 <b>Date Received:</b> 28-NOV-19 <b>X:</b> -75.839223 <b>Previous Site Name:</b> <b>Y:</b> 45.351897 <b>Lot/Building Size:</b> <b>Additional Info Ordered:</b>					
<a href="#">38</a>	1 of 1	NNE/208.4	61.9 / -2.00	NEPEAN CITY LOCH ISLE RD./SUNNY BRAE AVE. NEPEAN CITY ON	CA
<b>Certificate #:</b> 3-1291-99- <b>Application Year:</b> 99 <b>Issue Date:</b> 11/4/1999 <b>Approval Type:</b> Municipal sewage <b>Status:</b> Approved <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>					
<a href="#">39</a>	1 of 1	NNE/215.0	60.8 / -3.11	lot 13 con 1 ON	WWIS
<b>Well ID:</b> 1503809 <b>Data Entry Status:</b> <b>Construction Date:</b> <b>Data Src:</b> 1 <b>Primary Water Use:</b> Domestic <b>Date Received:</b> 6/12/1950 <b>Sec. Water Use:</b> 0 <b>Selected Flag:</b> Yes <b>Final Well Status:</b> Water Supply <b>Abandonment Rec:</b> <b>Water Type:</b> <b>Contractor:</b> 3566 <b>Casing Material:</b> <b>Form Version:</b> 1 <b>Audit No:</b> <b>Owner:</b> <b>Tag:</b> <b>Street Name:</b> <b>Construction Method:</b> <b>County:</b> OTTAWA <b>Elevation (m):</b> <b>Municipality:</b> NEPEAN TOWNSHIP <b>Elevation Reliability:</b> <b>Site Info:</b> <b>Depth to Bedrock:</b> <b>Lot:</b> 013 <b>Well Depth:</b> <b>Concession:</b> 01 <b>Overburden/Bedrock:</b> <b>Concession Name:</b> OF <b>Pump Rate:</b> <b>Easting NAD83:</b> <b>Static Water Level:</b> <b>Northing NAD83:</b> <b>Flowing (Y/N):</b> <b>Zone:</b> <b>Flow Rate:</b> <b>UTM Reliability:</b> <b>Clear/Cloudy:</b>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>PDF URL (Map):</b>		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503809.pdf			

**Bore Hole Information**

<b>Bore Hole ID:</b>	10025852	<b>Elevation:</b>	62.835689
<b>DP2BR:</b>	50	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	434500.6
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5022612
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	9
<b>Date Completed:</b>	4/19/1948	<b>UTMRC Desc:</b>	unknown UTM
<b>Remarks:</b>		<b>Location Method:</b>	p9
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	930997623
<b>Layer:</b>	2
<b>Color:</b>	
<b>General Color:</b>	
<b>Mat1:</b>	15
<b>Most Common Material:</b>	LIMESTONE
<b>Mat2:</b>	
<b>Mat2 Desc:</b>	
<b>Mat3:</b>	
<b>Mat3 Desc:</b>	
<b>Formation Top Depth:</b>	50
<b>Formation End Depth:</b>	154
<b>Formation End Depth UOM:</b>	ft

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	930997622
<b>Layer:</b>	1
<b>Color:</b>	
<b>General Color:</b>	
<b>Mat1:</b>	05
<b>Most Common Material:</b>	CLAY
<b>Mat2:</b>	09
<b>Mat2 Desc:</b>	MEDIUM SAND
<b>Mat3:</b>	12
<b>Mat3 Desc:</b>	STONES
<b>Formation Top Depth:</b>	0
<b>Formation End Depth:</b>	50
<b>Formation End Depth UOM:</b>	ft

**Method of Construction & Well**

**Use**

<b>Method Construction ID:</b>	961503809
<b>Method Construction Code:</b>	1
<b>Method Construction:</b>	Cable Tool
<b>Other Method Construction:</b>	

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10574422			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930044458			
<b>Layer:</b>		2			
<b>Material:</b>					
<b>Open Hole or Material:</b>					
<b>Depth From:</b>					
<b>Depth To:</b>		50			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930044457			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		49			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930044459			
<b>Layer:</b>		3			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		154			
<b>Casing Diameter:</b>		6			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991503809			
<b>Pump Set At:</b>					
<b>Static Level:</b>		12			
<b>Final Level After Pumping:</b>		16			
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>		10			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>		10			
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			
<b>Pumping Test Method:</b>		1			
<b>Pumping Duration HR:</b>		0			
<b>Pumping Duration MIN:</b>		30			
<b>Flowing:</b>		No			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b><u>Water Details</u></b>					
Water ID:		933456796			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:					
Water Found Depth UOM:		ft			

<a href="#">40</a>	1 of 1	E/215.3	63.8 / -0.03	lot 13 con 1 ON	WWIS
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Well ID:	1503819	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	7/7/1955
Sec. Water Use:	0	Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	3718
Casing Material:		Form Version:	1
Audit No:		Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	NEPEAN TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	013
Well Depth:		Concession:	01
Overburden/Bedrock:		Concession Name:	OF
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

PDF URL (Map): [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1503819.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503819.pdf)

**Bore Hole Information**

Bore Hole ID:	10025862	Elevation:	64.42498
DP2BR:	6	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	434660.6
Code OB Desc:	Bedrock	North83:	5022372
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	2/1/1955	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:	930997646
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		6			
<b>Formation End Depth:</b>		130			
<b>Formation End Depth UOM:</b>		ft			
 <b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>		930997645			
<b>Layer:</b>		1			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		0			
<b>Formation End Depth:</b>		6			
<b>Formation End Depth UOM:</b>		ft			
 <b><u>Method of Construction &amp; Well</u></b>					
<b><u>Use</u></b>					
<b>Method Construction ID:</b>		961503819			
<b>Method Construction Code:</b>		1			
<b>Method Construction:</b>		Cable Tool			
<b>Other Method Construction:</b>					
 <b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10574432			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
 <b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930044479			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		60			
<b>Casing Diameter:</b>		4			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
 <b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930044480			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		130			
<b>Casing Diameter:</b>		4			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Results of Well Yield Testing**

**Pump Test ID:** 991503819  
**Pump Set At:**  
**Static Level:** 15  
**Final Level After Pumping:** 30  
**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:** 8  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Water Details**

**Water ID:** 933456811  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 130  
**Water Found Depth UOM:** ft

41	1 of 1	NE/220.7	62.2 / -1.69	6 Rocky Point Road, Ottawa ON	INC
<b>Incident No:</b>	917936			<b>Any Health Impact:</b>	No
<b>Incident ID:</b>	3075872			<b>Any Enviro Impact:</b>	Unknown
<b>Instance No:</b>				<b>Service Interrupted:</b>	No
<b>Status Code:</b>	Causal Analysis Complete			<b>Was Prop Damaged:</b>	No
<b>Attribute Category:</b>	FS-Perform L1 Incident Insp			<b>Reside App. Type:</b>	
<b>Context:</b>				<b>Commer App. Type:</b>	
<b>Date of Occurrence:</b>	2012/10/11 00:00:00			<b>Indus App. Type:</b>	
<b>Time of Occurrence:</b>	NULL			<b>Institut App. Type:</b>	
<b>Incident Created On:</b>				<b>Venting Type:</b>	
<b>Instance Creation Dt:</b>				<b>Vent Conn Mater:</b>	
<b>Instance Install Dt:</b>				<b>Vent Chimney Mater:</b>	
<b>Occur Insp Start Date:</b>	2012/10/11 00:00:00			<b>Pipeline Type:</b>	
<b>Approx Quant Rel:</b>	unknwon			<b>Pipeline Involved:</b>	
<b>Tank Capacity:</b>				<b>Pipe Material:</b>	
<b>Fuels Occur Type:</b>	Leak			<b>Depth Ground Cover:</b>	
<b>Fuel Type Involved:</b>	Fuel Oil			<b>Regulator Location:</b>	
<b>Enforcement Policy:</b>	NULL			<b>Regulator Type:</b>	
<b>Prc Escalation Req:</b>	NULL			<b>Operation Pressure:</b>	
<b>Tank Material Type:</b>				<b>Liquid Prop Make:</b>	
<b>Tank Storage Type:</b>				<b>Liquid Prop Model:</b>	
<b>Tank Location Type:</b>				<b>Liquid Prop Serial No:</b>	
<b>Pump Flow Rate Cap:</b>				<b>Liquid Prop Notes:</b>	
<b>Task No:</b>	4076542			<b>Equipment Type:</b>	
<b>Notes:</b>				<b>Equipment Model:</b>	
<b>Drainage System:</b>	Unknown			<b>Serial No:</b>	
<b>Sub Surface Contam.:</b>				<b>Cylinder Capacity:</b>	
<b>Aff Prop Use Water:</b>	No			<b>Cylinder Cap Units:</b>	
<b>Contam. Migrated:</b>	No			<b>Cylinder Mat Type:</b>	
<b>Contact Natural Env:</b>	Unknown			<b>Near Body of Water:</b>	No
<b>Incident Location:</b>	6 Rocky Point Road, Ottawa - Discovery of Product				
<b>Occurrence Narrative:</b>	Adandoned underground fuel oil tank discovered at a residence.				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Operation Type Involved:</b>		Private Dwelling			
<b>Item:</b>					
<b>Item Description:</b>					
<b>Device Installed Location:</b>					
<a href="#">42</a>	1 of 5	E/223.7	64.6 / 0.69	Minto Apartments Ltd. 4 Crystal BEach Drive ottawa ON	GEN
<b>Generator No:</b>	ON9132612			<b>PO Box No:</b>	
<b>Status:</b>				<b>Country:</b>	
<b>Approval Years:</b>	2013			<b>Choice of Contact:</b>	
<b>Contam. Facility:</b>				<b>Co Admin:</b>	
<b>MHSW Facility:</b>				<b>Phone No Admin:</b>	
<b>SIC Code:</b>	531310				
<b>SIC Description:</b>	REAL ESTATE PROPERTY MANAGERS				
<b>Detail(s)</b>					
<b>Waste Class:</b>	251				
<b>Waste Class Desc:</b>	OIL SKIMMINGS & SLUDGES				
<a href="#">42</a>	2 of 5	E/223.7	64.6 / 0.69	Minto Apartments Ltd. 4 Crystal BEach Drive ottawa ON	GEN
<b>Generator No:</b>	ON9132612			<b>PO Box No:</b>	
<b>Status:</b>				<b>Country:</b>	
<b>Approval Years:</b>	2012			<b>Choice of Contact:</b>	
<b>Contam. Facility:</b>				<b>Co Admin:</b>	
<b>MHSW Facility:</b>				<b>Phone No Admin:</b>	
<b>SIC Code:</b>	531310				
<b>SIC Description:</b>	Real Estate Property Managers				
<a href="#">42</a>	3 of 5	E/223.7	64.6 / 0.69	Enbridge Gas Distribution Inc. 4E Crystal Beach Drive Ottawa ON	SPL
<b>Ref No:</b>	8867-9P7RXU			<b>Discharger Report:</b>	
<b>Site No:</b>	NA			<b>Material Group:</b>	
<b>Incident Dt:</b>	2014/09/22			<b>Health/Env Conseq:</b>	
<b>Year:</b>				<b>Client Type:</b>	
<b>Incident Cause:</b>	Leak/Break			<b>Sector Type:</b>	Pipeline/Components
<b>Incident Event:</b>				<b>Agency Involved:</b>	
<b>Contaminant Code:</b>	35			<b>Nearest Watercourse:</b>	
<b>Contaminant Name:</b>	NATURAL GAS (METHANE)			<b>Site Address:</b>	4E Crystal Beach Drive
<b>Contaminant Limit 1:</b>				<b>Site District Office:</b>	
<b>Contam Limit Freq 1:</b>				<b>Site Postal Code:</b>	
<b>Contaminant UN No 1:</b>				<b>Site Region:</b>	
<b>Environment Impact:</b>	Confirmed			<b>Site Municipality:</b>	Ottawa
<b>Nature of Impact:</b>	Air Pollution			<b>Site Lot:</b>	
<b>Receiving Medium:</b>				<b>Site Conc:</b>	
<b>Receiving Env:</b>				<b>Northing:</b>	
<b>MOE Response:</b>	Referral to others			<b>Easting:</b>	
<b>Dt MOE Arvl on Scn:</b>				<b>Site Geo Ref Accu:</b>	
<b>MOE Reported Dt:</b>	2014/09/22			<b>Site Map Datum:</b>	
<b>Dt Document Closed:</b>	2014/12/20			<b>SAC Action Class:</b>	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
<b>Incident Reason:</b>	Operator/Human Error			<b>Source Type:</b>	
<b>Site Name:</b>	Residence<UNOFFICIAL>				
<b>Site County/District:</b>					
<b>Site Geo Ref Meth:</b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Incident Summary:</b>		TSSA - Damage to header on main line			
<b>Contaminant Qty:</b>		0 other - see incident description			
<a href="#">42</a>	4 of 5	E/223.7	64.6 / 0.69	Minto Apartments Ltd. 4 Crystal BEach Drive ottawa ON K2H 5M4	GEN
<b>Generator No:</b>	ON9132612			<b>PO Box No:</b>	
<b>Status:</b>				<b>Country:</b>	Canada
<b>Approval Years:</b>	2014			<b>Choice of Contact:</b>	CO_OFFICIAL
<b>Contam. Facility:</b>	No			<b>Co Admin:</b>	
<b>MHSW Facility:</b>	No			<b>Phone No Admin:</b>	
<b>SIC Code:</b>	531310				
<b>SIC Description:</b>	REAL ESTATE PROPERTY MANAGERS				
<b>Detail(s)</b>					
<b>Waste Class:</b>	251				
<b>Waste Class Desc:</b>	OIL SKIMMINGS & SLUDGES				
<a href="#">42</a>	5 of 5	E/223.7	64.6 / 0.69	ZONE 5 LANDSCAPING INC 4 CRYSTAL BEACH DR.,,NEPEAN,ON,K2H 5M4, CA ON	PINC
<b>Incident ID:</b>				<b>Fuel Category:</b>	
<b>Incident No:</b>	1495410			<b>Health Impact:</b>	
<b>Incident Reported Dt:</b>	10/9/2014			<b>Environment Impact:</b>	
<b>Type:</b>	FS-Pipeline Incident			<b>Property Damage:</b>	
<b>Status Code:</b>				<b>Service Interupt:</b>	
<b>Customer Acct Name:</b>	ZONE 5 LANDSCAPING INC			<b>Enforce Policy:</b>	
<b>Incident Address:</b>	4 CRYSTAL BEACH DR.,,NEPEAN,ON,K2H 5M4,CA			<b>Public Relation:</b>	
<b>Tank Status:</b>	Non Mandated			<b>Pipeline System:</b>	
<b>Task No:</b>				<b>Depth:</b>	
<b>Spills Action Centre:</b>				<b>Pipe Material:</b>	
<b>Fuel Type:</b>				<b>PSIG:</b>	
<b>Fuel Occurrence Tp:</b>				<b>Attribute Category:</b>	
<b>Date of Occurrence:</b>				<b>Regulator Location:</b>	
<b>Occurrence Start Dt:</b>				<b>Method Details:</b>	
<b>Operation Type:</b>					
<b>Pipeline Type:</b>					
<b>Regulator Type:</b>					
<b>Summary:</b>					
<b>Reported By:</b>					
<b>Affiliation:</b>					
<b>Occurrence Desc:</b>					
<b>Damage Reason:</b>					
<b>Notes:</b>					
<a href="#">43</a>	1 of 1	NNE/227.3	61.3 / -2.54	lot 13 con 1 ON	WWIS
<b>Well ID:</b>	1504678			<b>Data Entry Status:</b>	
<b>Construction Date:</b>				<b>Data Src:</b>	1
<b>Primary Water Use:</b>	Domestic			<b>Date Received:</b>	11/30/1965
<b>Sec. Water Use:</b>	0			<b>Selected Flag:</b>	Yes
<b>Final Well Status:</b>	Water Supply			<b>Abandonment Rec:</b>	
<b>Water Type:</b>				<b>Contractor:</b>	1603
<b>Casing Material:</b>				<b>Form Version:</b>	1
<b>Audit No:</b>				<b>Owner:</b>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Tag:</b>				<b>Street Name:</b>	
<b>Construction Method:</b>				<b>County:</b>	OTTAWA
<b>Elevation (m):</b>				<b>Municipality:</b>	NEPEAN TOWNSHIP
<b>Elevation Reliability:</b>				<b>Site Info:</b>	
<b>Depth to Bedrock:</b>				<b>Lot:</b>	013
<b>Well Depth:</b>				<b>Concession:</b>	01
<b>Overburden/Bedrock:</b>				<b>Concession Name:</b>	OF
<b>Pump Rate:</b>				<b>Easting NAD83:</b>	
<b>Static Water Level:</b>				<b>Northing NAD83:</b>	
<b>Flowing (Y/N):</b>				<b>Zone:</b>	
<b>Flow Rate:</b>				<b>UTM Reliability:</b>	
<b>Clear/Cloudy:</b>					

**PDF URL (Map):** [https://d2khazk8e83rdv.cloudfront.net/moe\\_mapping/downloads/2Water/Wells\\_pdfs/150\1504678.pdf](https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504678.pdf)

**Bore Hole Information**

<b>Bore Hole ID:</b>	10026721	<b>Elevation:</b>	62.76477
<b>DP2BR:</b>	51	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	434510.6
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5022622
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	9
<b>Date Completed:</b>	11/5/1965	<b>UTMRC Desc:</b>	unknown UTM
<b>Remarks:</b>		<b>Location Method:</b>	p9
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	931000148
<b>Layer:</b>	1
<b>Color:</b>	
<b>General Color:</b>	
<b>Mat1:</b>	02
<b>Most Common Material:</b>	TOPSOIL
<b>Mat2:</b>	
<b>Mat2 Desc:</b>	
<b>Mat3:</b>	
<b>Mat3 Desc:</b>	
<b>Formation Top Depth:</b>	0
<b>Formation End Depth:</b>	3
<b>Formation End Depth UOM:</b>	ft

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	931000149
<b>Layer:</b>	2
<b>Color:</b>	
<b>General Color:</b>	
<b>Mat1:</b>	09
<b>Most Common Material:</b>	MEDIUM SAND
<b>Mat2:</b>	11
<b>Mat2 Desc:</b>	GRAVEL
<b>Mat3:</b>	13
<b>Mat3 Desc:</b>	BOULDERS

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Formation Top Depth:</i>	3				
<i>Formation End Depth:</i>	51				
<i>Formation End Depth UOM:</i>	ft				
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<i>Formation ID:</i>	931000150				
<i>Layer:</i>	3				
<i>Color:</i>					
<i>General Color:</i>					
<i>Mat1:</i>	15				
<i>Most Common Material:</i>	LIMESTONE				
<i>Mat2:</i>					
<i>Mat2 Desc:</i>					
<i>Mat3:</i>					
<i>Mat3 Desc:</i>					
<i>Formation Top Depth:</i>	51				
<i>Formation End Depth:</i>	136				
<i>Formation End Depth UOM:</i>	ft				
<b><u>Method of Construction &amp; Well Use</u></b>					
<i>Method Construction ID:</i>	961504678				
<i>Method Construction Code:</i>	1				
<i>Method Construction:</i>	Cable Tool				
<i>Other Method Construction:</i>					
<b><u>Pipe Information</u></b>					
<i>Pipe ID:</i>	10575291				
<i>Casing No:</i>	1				
<i>Comment:</i>					
<i>Alt Name:</i>					
<b><u>Construction Record - Casing</u></b>					
<i>Casing ID:</i>	930046175				
<i>Layer:</i>	1				
<i>Material:</i>	1				
<i>Open Hole or Material:</i>	STEEL				
<i>Depth From:</i>					
<i>Depth To:</i>	53				
<i>Casing Diameter:</i>	3				
<i>Casing Diameter UOM:</i>	inch				
<i>Casing Depth UOM:</i>	ft				
<b><u>Construction Record - Casing</u></b>					
<i>Casing ID:</i>	930046176				
<i>Layer:</i>	2				
<i>Material:</i>	4				
<i>Open Hole or Material:</i>	OPEN HOLE				
<i>Depth From:</i>					
<i>Depth To:</i>	136				
<i>Casing Diameter:</i>	3				
<i>Casing Diameter UOM:</i>	inch				
<i>Casing Depth UOM:</i>	ft				
<b><u>Results of Well Yield Testing</u></b>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Pump Test ID:** 991504678  
**Pump Set At:**  
**Static Level:** 13  
**Final Level After Pumping:** 25  
**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:** 2  
**Pumping Duration MIN:** 0  
**Flowing:** No

**Water Details**

**Water ID:** 933457984  
**Layer:** 1  
**Kind Code:** 1  
**Kind:** FRESH  
**Water Found Depth:** 130  
**Water Found Depth UOM:** ft

<a href="#">44</a>	1 of 1	WNW/228.3	60.8 / -3.03	SKARLAN ENTERPRISES 3409 CARLING AVENUE OTTAWA ON	GEN
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**Generator No:** ON2950310  
**Status:**  
**Approval Years:** 2012  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 814110  
**SIC Description:** Private Households  
**PO Box No:**  
**Country:**  
**Choice of Contact:**  
**Co Admin:**  
**Phone No Admin:**

<a href="#">45</a>	1 of 1	N/228.5	61.2 / -2.64	lot 12 con 1 ON	WWIS
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**Well ID:** 1503801  
**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:** 10/22/1953  
**Selected Flag:** Yes  
**Abandonment Rec:**  
**Contractor:** 1802  
**Form Version:** 1  
**Owner:**  
**Street Name:**  
**County:** OTTAWA  
**Municipality:** NEPEAN TOWNSHIP  
**Site Info:**  
**Lot:** 012  
**Concession:** 01  
**Concession Name:** OF  
**Easting NAD83:**  
**Northing NAD83:**  
**Zone:**  
**UTM Reliability:**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503801.pdf			

**Bore Hole Information**

<b>Bore Hole ID:</b>	10025844	<b>Elevation:</b>	60.947998
<b>DP2BR:</b>	55	<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>	r	<b>East83:</b>	434455.6
<b>Code OB Desc:</b>	Bedrock	<b>North83:</b>	5022632
<b>Open Hole:</b>		<b>Org CS:</b>	
<b>Cluster Kind:</b>		<b>UTMRC:</b>	9
<b>Date Completed:</b>	10/2/1953	<b>UTMRC Desc:</b>	unknown UTM
<b>Remarks:</b>		<b>Location Method:</b>	p9
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	930997605
<b>Layer:</b>	2
<b>Color:</b>	
<b>General Color:</b>	
<b>Mat1:</b>	09
<b>Most Common Material:</b>	MEDIUM SAND
<b>Mat2:</b>	
<b>Mat2 Desc:</b>	
<b>Mat3:</b>	
<b>Mat3 Desc:</b>	
<b>Formation Top Depth:</b>	40
<b>Formation End Depth:</b>	55
<b>Formation End Depth UOM:</b>	ft

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	930997604
<b>Layer:</b>	1
<b>Color:</b>	
<b>General Color:</b>	
<b>Mat1:</b>	05
<b>Most Common Material:</b>	CLAY
<b>Mat2:</b>	
<b>Mat2 Desc:</b>	
<b>Mat3:</b>	
<b>Mat3 Desc:</b>	
<b>Formation Top Depth:</b>	0
<b>Formation End Depth:</b>	40
<b>Formation End Depth UOM:</b>	ft

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	930997606
<b>Layer:</b>	3
<b>Color:</b>	
<b>General Color:</b>	
<b>Mat1:</b>	15



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Most Common Material:</b>		LIMESTONE			
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>		55			
<b>Formation End Depth:</b>		92			
<b>Formation End Depth UOM:</b>		ft			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		961503801			
<b>Method Construction Code:</b>		7			
<b>Method Construction:</b>		Diamond			
<b>Other Method Construction:</b>					
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		10574414			
<b>Casing No:</b>		1			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930044442			
<b>Layer:</b>		2			
<b>Material:</b>		4			
<b>Open Hole or Material:</b>		OPEN HOLE			
<b>Depth From:</b>					
<b>Depth To:</b>		92			
<b>Casing Diameter:</b>		3			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		930044441			
<b>Layer:</b>		1			
<b>Material:</b>		1			
<b>Open Hole or Material:</b>		STEEL			
<b>Depth From:</b>					
<b>Depth To:</b>		55			
<b>Casing Diameter:</b>		3			
<b>Casing Diameter UOM:</b>		inch			
<b>Casing Depth UOM:</b>		ft			
<b><u>Results of Well Yield Testing</u></b>					
<b>Pump Test ID:</b>		991503801			
<b>Pump Set At:</b>					
<b>Static Level:</b>		20			
<b>Final Level After Pumping:</b>		30			
<b>Recommended Pump Depth:</b>					
<b>Pumping Rate:</b>		5			
<b>Flowing Rate:</b>					
<b>Recommended Pump Rate:</b>					
<b>Levels UOM:</b>		ft			
<b>Rate UOM:</b>		GPM			
<b>Water State After Test Code:</b>		1			
<b>Water State After Test:</b>		CLEAR			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Pumping Test Method:</b> <b>Pumping Duration HR:</b> <b>Pumping Duration MIN:</b> <b>Flowing:</b>		1 2 0 No			
<b><u>Water Details</u></b>					
<b>Water ID:</b> <b>Layer:</b> <b>Kind Code:</b> <b>Kind:</b> <b>Water Found Depth:</b> <b>Water Found Depth UOM:</b>		933456787 1 1 FRESH 90 ft			
<a href="#">46</a>	1 of 3	ESE/230.7	64.9 / 1.00	TAGGART CONSTRUCTION LTD 8 CRYSTAL BEACH DR., OTTAWA, ON, K2H 5M4, CA ON	PINC
<b>Incident ID:</b> <b>Incident No:</b> <b>Incident Reported Dt:</b> <b>Type:</b> <b>Status Code:</b> <b>Customer Acct Name:</b> <b>Incident Address:</b>  <b>Tank Status:</b> <b>Task No:</b> <b>Spills Action Centre:</b> <b>Fuel Type:</b> <b>Fuel Occurrence Tp:</b> <b>Date of Occurrence:</b> <b>Occurrence Start Dt:</b> <b>Operation Type:</b> <b>Pipeline Type:</b> <b>Regulator Type:</b> <b>Summary:</b> <b>Reported By:</b> <b>Affiliation:</b> <b>Occurrence Desc:</b> <b>Damage Reason:</b> <b>Notes:</b>		1932792 8/31/2016 FS-Pipeline Incident  TAGGART CONSTRUCTION LTD 8 CRYSTAL BEACH DR., OTTAWA, ON, K2H 5M4, CA Pipeline Damage Reason Est 6306998     2016/08/31   8 CRYSTAL BEACH DRIVE, OTTAWA - PIPELINE HIT - 1/2" Bernie Monette - ENBRIDGE  Excavation practices not sufficient		<b>Fuel Category:</b> <b>Health Impact:</b> <b>Environment Impact:</b> <b>Property Damage:</b> <b>Service Interrupt:</b> <b>Enforce Policy:</b> <b>Public Relation:</b>  <b>Pipeline System:</b> <b>Depth:</b> <b>Pipe Material:</b> <b>PSIG:</b> <b>Attribute Category:</b> <b>Regulator Location:</b> <b>Method Details:</b>	Natural Gas   Yes Yes   FS-Perform P-line Inc Invest E-mail
<a href="#">46</a>	2 of 3	ESE/230.7	64.9 / 1.00	Enbridge Gas Distribution Inc. 8 Crystal Beach Drive Ottawa ON	SPL
<b>Ref No:</b> <b>Site No:</b> <b>Incident Dt:</b> <b>Year:</b> <b>Incident Cause:</b> <b>Incident Event:</b> <b>Contaminant Code:</b> <b>Contaminant Name:</b> <b>Contaminant Limit 1:</b> <b>Contam Limit Freq 1:</b> <b>Contaminant UN No 1:</b> <b>Environment Impact:</b> <b>Nature of Impact:</b> <b>Receiving Medium:</b>		6060-ADCHPQ NA 8/31/2016  Leak/Break 35 NATURAL GAS (METHANE)		<b>Discharger Report:</b> <b>Material Group:</b> <b>Health/Env Conseq:</b> <b>Client Type:</b> <b>Sector Type:</b> <b>Agency Involved:</b> <b>Nearest Watercourse:</b> <b>Site Address:</b> <b>Site District Office:</b> <b>Site Postal Code:</b> <b>Site Region:</b> <b>Site Municipality:</b> <b>Site Lot:</b> <b>Site Conc:</b>	Miscellaneous Communal  8 Crystal Beach Drive  Ottawa

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Receiving Env:</b> <b>MOE Response:</b> <b>Dt MOE Arvl on Scn:</b> <b>MOE Reported Dt:</b> <b>Dt Document Closed:</b> <b>Incident Reason:</b> <b>Site Name:</b> <b>Site County/District:</b> <b>Site Geo Ref Meth:</b> <b>Incident Summary:</b> <b>Contaminant Qty:</b>	Air  8/31/2016  Operator/Human Error Residence<UNOFFICIAL>  TSSA: FSB 0.5" PL svc line strike, Made Safe 0 other - see incident description			<b>Northing:</b> <b>Easting:</b> <b>Site Geo Ref Accu:</b> <b>Site Map Datum:</b> <b>SAC Action Class:</b> <b>Source Type:</b>	Notifications
<a href="#">46</a>	3 of 3	ESE/230.7	64.9 / 1.00	<b>Enbridge Gas Distribution Inc.</b> <b>8 Crystal Beach, Nepean</b> <b>Ottawa ON</b>	SPL
<b>Ref No:</b> <b>Site No:</b> <b>Incident Dt:</b> <b>Year:</b> <b>Incident Cause:</b> <b>Incident Event:</b> <b>Contaminant Code:</b> <b>Contaminant Name:</b> <b>Contaminant Limit 1:</b> <b>Contam Limit Freq 1:</b> <b>Contaminant UN No 1:</b> <b>Environment Impact:</b> <b>Nature of Impact:</b> <b>Receiving Medium:</b> <b>Receiving Env:</b> <b>MOE Response:</b> <b>Dt MOE Arvl on Scn:</b> <b>MOE Reported Dt:</b> <b>Dt Document Closed:</b>  <b>Incident Reason:</b> <b>Site Name:</b> <b>Site County/District:</b> <b>Site Geo Ref Meth:</b> <b>Incident Summary:</b> <b>Contaminant Qty:</b>	2783-ADCRU4 NA 8/31/2016  Leak/Break 35 NATURAL GAS (METHANE)  Air  8/31/2016  Operator/Human Error residential property<UNOFFICIAL>  TSSAfsb: ½ pl IP gas srvc dmngd; made safe 0 other - see incident description			<b>Discharger Report:</b> <b>Material Group:</b> <b>Health/Env Conseq:</b> <b>Client Type:</b> <b>Sector Type:</b> <b>Agency Involved:</b> <b>Nearest Watercourse:</b> <b>Site Address:</b> <b>Site District Office:</b> <b>Site Postal Code:</b> <b>Site Region:</b> <b>Site Municipality:</b> <b>Site Lot:</b> <b>Site Conc:</b> <b>Northing:</b> <b>Easting:</b> <b>Site Geo Ref Accu:</b> <b>Site Map Datum:</b> <b>SAC Action Class:</b>  <b>Source Type:</b>	Miscellaneous Industrial  8 Crystal Beach, Nepean  Ottawa  TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
<a href="#">47</a>	1 of 1	SSE/241.1	64.9 / 1.00	<b>IN FRONT OF ULLSWATER DRIVE 47/48</b> <b>Ottawa ON</b>	WWIS
<b>Well ID:</b> <b>Construction Date:</b> <b>Primary Water Use:</b> <b>Sec. Water Use:</b> <b>Final Well Status:</b> <b>Water Type:</b> <b>Casing Material:</b> <b>Audit No:</b> <b>Tag:</b> <b>Construction Method:</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock:</b> <b>Well Depth:</b> <b>Overburden/Bedrock:</b> <b>Pump Rate:</b>	7263437 Monitoring Observation Wells  Z227923 A187187			<b>Data Entry Status:</b> <b>Data Src:</b> <b>Date Received:</b> <b>Selected Flag:</b> <b>Abandonment Rec:</b> <b>Contractor:</b> <b>Form Version:</b> <b>Owner:</b> <b>Street Name:</b> <b>County:</b> <b>Municipality:</b> <b>Site Info:</b> <b>Lot:</b> <b>Concession:</b> <b>Concession Name:</b> <b>Easting NAD83:</b>	5/24/2016 Yes  1844 7  IN FRONT OF ULLSWATER DRIVE 47/48 OTTAWA NEPEAN TOWNSHIP

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Static Water Level:  
 Flowing (Y/N):  
 Flow Rate:  
 Clear/Cloudy:

Northing NAD83:  
 Zone:  
 UTM Reliability:

PDF URL (Map):

**Bore Hole Information**

<b>Bore Hole ID:</b>	1006005751	<b>Elevation:</b>	65.26213
<b>DP2BR:</b>		<b>Elevrc:</b>	
<b>Spatial Status:</b>		<b>Zone:</b>	18
<b>Code OB:</b>		<b>East83:</b>	434524
<b>Code OB Desc:</b>		<b>North83:</b>	5022175
<b>Open Hole:</b>		<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>		<b>UTMRC:</b>	4
<b>Date Completed:</b>	9/16/2015	<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>		<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>			
<b>Location Source Date:</b>			
<b>Improvement Location Source:</b>			
<b>Improvement Location Method:</b>			
<b>Source Revision Comment:</b>			
<b>Supplier Comment:</b>			

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	1006113789
<b>Layer:</b>	3
<b>Color:</b>	2
<b>General Color:</b>	GREY
<b>Mat1:</b>	05
<b>Most Common Material:</b>	CLAY
<b>Mat2:</b>	28
<b>Mat2 Desc:</b>	SAND
<b>Mat3:</b>	
<b>Mat3 Desc:</b>	
<b>Formation Top Depth:</b>	.6
<b>Formation End Depth:</b>	2.15
<b>Formation End Depth UOM:</b>	m

**Overburden and Bedrock**

**Materials Interval**

<b>Formation ID:</b>	1006113787
<b>Layer:</b>	1
<b>Color:</b>	
<b>General Color:</b>	
<b>Mat1:</b>	
<b>Most Common Material:</b>	
<b>Mat2:</b>	
<b>Mat2 Desc:</b>	
<b>Mat3:</b>	
<b>Mat3 Desc:</b>	
<b>Formation Top Depth:</b>	0
<b>Formation End Depth:</b>	.13
<b>Formation End Depth UOM:</b>	m

**Overburden and Bedrock**

**Materials Interval**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Formation ID:</b>		1006113790			
<b>Layer:</b>		4			
<b>Color:</b>		2			
<b>General Color:</b>		GREY			
<b>Mat1:</b>		05			
<b>Most Common Material:</b>		CLAY			
<b>Mat2:</b>		28			
<b>Mat2 Desc:</b>		SAND			
<b>Mat3:</b>		11			
<b>Mat3 Desc:</b>		GRAVEL			
<b>Formation Top Depth:</b>		2.15			
<b>Formation End Depth:</b>		4.82			
<b>Formation End Depth UOM:</b>		m			
<b><u>Overburden and Bedrock Materials Interval</u></b>					
<b>Formation ID:</b>		1006113788			
<b>Layer:</b>		2			
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>		01			
<b>Most Common Material:</b>		FILL			
<b>Mat2:</b>		06			
<b>Mat2 Desc:</b>		SILT			
<b>Mat3:</b>		11			
<b>Mat3 Desc:</b>		GRAVEL			
<b>Formation Top Depth:</b>		.13			
<b>Formation End Depth:</b>		.6			
<b>Formation End Depth UOM:</b>		m			
<b><u>Annular Space/Abandonment Sealing Record</u></b>					
<b>Plug ID:</b>		1006113797			
<b>Layer:</b>		1			
<b>Plug From:</b>		1			
<b>Plug To:</b>		2.8			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1006113796			
<b>Method Construction Code:</b>		B			
<b>Method Construction:</b>		Other Method			
<b>Other Method Construction:</b>		HSA			
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1006113786			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1006113793			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		.3			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth To:		3.35			
Casing Diameter:		5.08			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<b><u>Construction Record - Screen</u></b>					
Screen ID:		1006113794			
Layer:		1			
Slot:		10			
Screen Top Depth:		3.35			
Screen End Depth:		4.82			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		5.88			
<b><u>Water Details</u></b>					
Water ID:		1006113792			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		2.3			
Water Found Depth UOM:		m			
<b><u>Hole Diameter</u></b>					
Hole ID:		1006113791			
Diameter:		20.3			
Depth From:		0			
Depth To:		4.82			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

<a href="#">48</a>	1 of 1	ESE/246.4	63.7 / -0.13	IN FRONT OF 3-5 CRYSTAL BEACH DRIVE Ottawa ON	WWIS
Well ID:		7263434		<b>Data Entry Status:</b>	
Construction Date:				<b>Data Src:</b>	
Primary Water Use:		Monitoring		<b>Date Received:</b> 5/24/2016	
Sec. Water Use:				<b>Selected Flag:</b> Yes	
Final Well Status:		Observation Wells		<b>Abandonment Rec:</b>	
Water Type:				<b>Contractor:</b> 1844	
Casing Material:				<b>Form Version:</b> 7	
Audit No:		Z227922		<b>Owner:</b>	
Tag:		A173538		<b>Street Name:</b> IN FRONT OF 3-5 CRYSTAL BEACH DRIVE	
Construction Method:				<b>County:</b> OTTAWA	
Elevation (m):				<b>Municipality:</b> NEPEAN TOWNSHIP	
Elevation Reliability:				<b>Site Info:</b>	
Depth to Bedrock:				<b>Lot:</b>	
Well Depth:				<b>Concession:</b>	
Overburden/Bedrock:				<b>Concession Name:</b>	
Pump Rate:				<b>Easting NAD83:</b>	
Static Water Level:				<b>Northing NAD83:</b>	
Flowing (Y/N):				<b>Zone:</b>	
Flow Rate:				<b>UTM Reliability:</b>	
Clear/Cloudy:					
PDF URL (Map):					

**Bore Hole Information**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<b>Bore Hole ID:</b>	1006005724			<b>Elevation:</b>	64.964294
<b>DP2BR:</b>				<b>Elevrc:</b>	
<b>Spatial Status:</b>				<b>Zone:</b>	18
<b>Code OB:</b>				<b>East83:</b>	434684
<b>Code OB Desc:</b>				<b>North83:</b>	5022334
<b>Open Hole:</b>				<b>Org CS:</b>	UTM83
<b>Cluster Kind:</b>				<b>UTMRC:</b>	4
<b>Date Completed:</b>	9/18/2015			<b>UTMRC Desc:</b>	margin of error : 30 m - 100 m
<b>Remarks:</b>				<b>Location Method:</b>	wwr
<b>Elevrc Desc:</b>					
<b>Location Source Date:</b>					
<b>Improvement Location Source:</b>					
<b>Improvement Location Method:</b>					
<b>Source Revision Comment:</b>					
<b>Supplier Comment:</b>					

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

<b>Formation ID:</b>	1006113715
<b>Layer:</b>	4
<b>Color:</b>	2
<b>General Color:</b>	GREY
<b>Mat1:</b>	05
<b>Most Common Material:</b>	CLAY
<b>Mat2:</b>	28
<b>Mat2 Desc:</b>	SAND
<b>Mat3:</b>	
<b>Mat3 Desc:</b>	
<b>Formation Top Depth:</b>	1.8
<b>Formation End Depth:</b>	5.15
<b>Formation End Depth UOM:</b>	m

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

<b>Formation ID:</b>	1006113712
<b>Layer:</b>	1
<b>Color:</b>	
<b>General Color:</b>	
<b>Mat1:</b>	
<b>Most Common Material:</b>	
<b>Mat2:</b>	
<b>Mat2 Desc:</b>	
<b>Mat3:</b>	
<b>Mat3 Desc:</b>	
<b>Formation Top Depth:</b>	0
<b>Formation End Depth:</b>	.15
<b>Formation End Depth UOM:</b>	m

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

<b>Formation ID:</b>	1006113717
<b>Layer:</b>	6
<b>Color:</b>	2
<b>General Color:</b>	GREY
<b>Mat1:</b>	05
<b>Most Common Material:</b>	CLAY
<b>Mat2:</b>	28
<b>Mat2 Desc:</b>	SAND
<b>Mat3:</b>	

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>			6.4		
<b>Formation End Depth:</b>			7.6		
<b>Formation End Depth UOM:</b>			m		
 <b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>			1006113713		
<b>Layer:</b>			2		
<b>Color:</b>			6		
<b>General Color:</b>			BROWN		
<b>Mat1:</b>			01		
<b>Most Common Material:</b>			FILL		
<b>Mat2:</b>			28		
<b>Mat2 Desc:</b>			SAND		
<b>Mat3:</b>			11		
<b>Mat3 Desc:</b>			GRAVEL		
<b>Formation Top Depth:</b>			.15		
<b>Formation End Depth:</b>			.9		
<b>Formation End Depth UOM:</b>			m		
 <b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>			1006113716		
<b>Layer:</b>			5		
<b>Color:</b>			2		
<b>General Color:</b>			GREY		
<b>Mat1:</b>			05		
<b>Most Common Material:</b>			CLAY		
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>			5.15		
<b>Formation End Depth:</b>			6.4		
<b>Formation End Depth UOM:</b>			m		
 <b><u>Overburden and Bedrock</u></b>					
<b><u>Materials Interval</u></b>					
<b>Formation ID:</b>			1006113714		
<b>Layer:</b>			3		
<b>Color:</b>					
<b>General Color:</b>					
<b>Mat1:</b>			05		
<b>Most Common Material:</b>			CLAY		
<b>Mat2:</b>					
<b>Mat2 Desc:</b>					
<b>Mat3:</b>					
<b>Mat3 Desc:</b>					
<b>Formation Top Depth:</b>			.9		
<b>Formation End Depth:</b>			1.8		
<b>Formation End Depth UOM:</b>			m		
 <b><u>Annular Space/Abandonment</u></b>					
<b><u>Sealing Record</u></b>					
<b>Plug ID:</b>			1006113724		
<b>Layer:</b>			1		
<b>Plug From:</b>			1		



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance (m)</b>	<b>Elev/Diff (m)</b>	<b>Site</b>	<b>DB</b>
<b>Plug To:</b>		5.6			
<b>Plug Depth UOM:</b>		m			
<b><u>Method of Construction &amp; Well Use</u></b>					
<b>Method Construction ID:</b>		1006113723			
<b>Method Construction Code:</b>		B			
<b>Method Construction:</b>		Other Method			
<b>Other Method Construction:</b>		HSA			
<b><u>Pipe Information</u></b>					
<b>Pipe ID:</b>		1006113711			
<b>Casing No:</b>		0			
<b>Comment:</b>					
<b>Alt Name:</b>					
<b><u>Construction Record - Casing</u></b>					
<b>Casing ID:</b>		1006113720			
<b>Layer:</b>		1			
<b>Material:</b>		5			
<b>Open Hole or Material:</b>		PLASTIC			
<b>Depth From:</b>		.3			
<b>Depth To:</b>		6.1			
<b>Casing Diameter:</b>		5.08			
<b>Casing Diameter UOM:</b>		cm			
<b>Casing Depth UOM:</b>		m			
<b><u>Construction Record - Screen</u></b>					
<b>Screen ID:</b>		1006113721			
<b>Layer:</b>		1			
<b>Slot:</b>		10			
<b>Screen Top Depth:</b>		6.1			
<b>Screen End Depth:</b>		7.62			
<b>Screen Material:</b>		5			
<b>Screen Depth UOM:</b>		m			
<b>Screen Diameter UOM:</b>		cm			
<b>Screen Diameter:</b>		5.88			
<b><u>Water Details</u></b>					
<b>Water ID:</b>		1006113719			
<b>Layer:</b>		1			
<b>Kind Code:</b>		8			
<b>Kind:</b>		Untested			
<b>Water Found Depth:</b>		4.25			
<b>Water Found Depth UOM:</b>		m			
<b><u>Hole Diameter</u></b>					
<b>Hole ID:</b>		1006113718			
<b>Diameter:</b>		20.3			
<b>Depth From:</b>		0			
<b>Depth To:</b>		7.62			
<b>Hole Depth UOM:</b>		m			
<b>Hole Diameter UOM:</b>		cm			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<a href="#">49</a>	1 of 1	WSW/249.5	64.9 / 1.00	R.M. OF OTTAWA-CARLETON ELTERWATER AVE./ULLSWATER DR. NEPEAN CITY ON	CA

**Certificate #:** 7-1249-90-  
**Application Year:** 90  
**Issue Date:** 8/15/1990  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

<a href="#">50</a>	1 of 1	E/249.6	63.6 / -0.31	UNKNOWN CARLING AVE. & CRYSTAL BEACH DR. NEPEAN CITY ON	SPL
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<b>Ref No:</b>	79856	<b>Discharger Report:</b>	
<b>Site No:</b>		<b>Material Group:</b>	
<b>Incident Dt:</b>	12/13/1992	<b>Health/Env Conseq:</b>	
<b>Year:</b>		<b>Client Type:</b>	
<b>Incident Cause:</b>	UNKNOWN	<b>Sector Type:</b>	
<b>Incident Event:</b>		<b>Agency Involved:</b>	
<b>Contaminant Code:</b>		<b>Nearest Watercourse:</b>	
<b>Contaminant Name:</b>		<b>Site Address:</b>	
<b>Contaminant Limit 1:</b>		<b>Site District Office:</b>	
<b>Contam Limit Freq 1:</b>		<b>Site Postal Code:</b>	
<b>Contaminant UN No 1:</b>		<b>Site Region:</b>	
<b>Environment Impact:</b>	POSSIBLE	<b>Site Municipality:</b>	20104
<b>Nature of Impact:</b>	Water course or lake	<b>Site Lot:</b>	
<b>Receiving Medium:</b>	WATER	<b>Site Conc:</b>	
<b>Receiving Env:</b>		<b>Northing:</b>	
<b>MOE Response:</b>		<b>Easting:</b>	ROADS, SEWERS, WORKS DEPT.
<b>Dt MOE Arvl on Scn:</b>		<b>Site Geo Ref Accu:</b>	
<b>MOE Reported Dt:</b>	12/13/1992	<b>Site Map Datum:</b>	
<b>Dt Document Closed:</b>		<b>SAC Action Class:</b>	
<b>Incident Reason:</b>	UNKNOWN	<b>Source Type:</b>	
<b>Site Name:</b>			
<b>Site County/District:</b>			
<b>Site Geo Ref Meth:</b>			
<b>Incident Summary:</b>	DIESEL FUEL IN STORM SEWER - SOURCE NOT DETERMINED.		
<b>Contaminant Qty:</b>			

# Unplottable Summary

Total: **29** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	City of Ottawa	Carling Ave	Ottawa ON	
CA	Minto Developments Inc.	Part of Lots 12, 13 and 14 Concession 1, Rideau Front	Ottawa ON	
CA	Taggart Construction Limited	Mobile Facility	Ottawa ON	
CA	City of Ottawa	Lot 13	Ottawa ON	
CA	NORTHERN TELECOM LTD., CARLING CAMPUS	CARLING AVENUE (SWM)	NEPEAN ON	
CA	Loch Isle Road	Concession 1, Ottawa Front, Lots 12 & 13	Nepean ON	
CA	Chapman Mills, Stage 3 & 4	Part Lots 12, 13 & 14, Conc. 1, Rideau Front	Nepean ON	
CA	Chapman Mills	Part Lots 12, 13 & 14, Conc. 1, Rideau Front	Nepean ON	
CA	Chapman Mills, Stage 3 & 4	Part Lots 12, 13 & 14, Conc. 1, Rideau Front	Nepean ON	
CA	Chapman Mills	Part Lots 12, 13 & 14, Conc. 1, Rideau Front	Nepean ON	
CA	City of Ottawa	Carling Avenue (Road allowance)	Ottawa ON	
CA	Chapman Mills	Part Lots 12, 13 & 14, Conc. 1, Rideau Front	Ottawa ON	
CA	City of Ottawa	Between Carling Avenue and Clare St	Ottawa ON	
CA	L.SIPOLINS	SOUTH OF CARLING AVE.	OTTAWA CITY ON	
CA	WESMAR HOMES LTD.	CARLING AVE.	NEPEAN CITY ON	
CONV	Taggart Construction Limited		Ottawa ON	
EBR	Taggart Construction Limited	Mobile Facility Ottawa Ontario Ottawa	ON	
ECA	City of Ottawa	Carling Ave	Ottawa ON	K2G 6J8

ECA	City of Ottawa	Carling Ave	Ottawa ON	K2G 6J8
ECA	Taggart Construction Limited	Mobile Facility	Ottawa ON	K1V 8Y3
GEN	MINTO APARTMENTS LTD.	CRYSTAL BEACH DR.	OTTAWA ON	K2H 5H8
GEN	MINTO APARTMENTS LTD.	CRYSTAL BEACH DR.	OTTAWA ON	
SPL	HOTEL/MOTEL	CARLING AVENUE (N.O.S.)	OTTAWA CITY ON	
SPL		Graham Creek outfall near Carling Av. <UNOFFICIAL>	Ottawa ON	
SPL	MacEwen Petroleum Inc.		Ottawa ON	
SPL	NATIONAL DEFENCE	SHERLY'S BAY (PROPERTY) OFF CARLING AVE. FUEL STORAGE TANK	OTTAWA CITY ON	
SPL		Minto (2 Crystal Beach Drive)	Ottawa ON	
SPL	Taggart Construction Limited		Ottawa ON	
SPL	OTTAWA TRANSIT	CARLING AVENUE BUS	OTTAWA ON	

# Unplottable Report

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**Site:** *City of Ottawa*  
*Carling Ave Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 2472-8GRQTN  
**Application Year:** 2011  
**Issue Date:** 5/20/2011  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Minto Developments Inc.*  
*Part of Lots 12, 13 and 14 Concession 1, Rideau Front Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 2230-76ALR6  
**Application Year:** 2007  
**Issue Date:** 8/22/2007  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Taggart Construction Limited*  
*Mobile Facility Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 0636-7KEL2F  
**Application Year:** 2008  
**Issue Date:** 11/19/2008  
**Approval Type:** Air  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

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

**Database:**  
*CA*

**Certificate #:** 3399-6BVHAA  
**Application Year:** 2005

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

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**Site:** **NORTHERN TELECOM LTD., CARLING CAMPUS**  
**CARLING AVENUE (SWM) NEPEAN ON**

**Database:**  
**CA**

**Certificate #:** 3-1624-98-  
**Application Year:** 98  
**Issue Date:** 11/17/1998  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **Loch Isle Road**  
**Concession 1, Ottawa Front, Lots 12 & 13 Nepean ON**

**Database:**  
**CA**

**Certificate #:** 4461-4MNL27  
**Application Year:** 00  
**Issue Date:** 8/1/00  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** Corporation of the City of Nepean  
**Client Address:** Ben Franklin Place, 101 Centrepoint Drive  
**Client City:** Nepean  
**Client Postal Code:** K2G 5K7  
**Project Description:** Construction of Sanitary Sewers on Loch Isle Road  
**Contaminants:**  
**Emission Control:**

---

**Site:** **Chapman Mills, Stage 3 & 4**  
**Part Lots 12, 13 & 14, Conc. 1, Rideau Front Nepean ON**

**Database:**  
**CA**

**Certificate #:** 3451-4PZLBD  
**Application Year:** 00  
**Issue Date:** 10/12/00  
**Approval Type:** Municipal & Private water  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** South Nepean Development Corporation  
**Client Address:** 427 Laurier Ave. W., Unit 300  
**Client City:** Ottawa  
**Client Postal Code:** K1R 7Y2  
**Project Description:** This application is for the installation of watermains to serve the Chapman Mills, Stages 3 & 4, in the City of Nepean.  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Chapman Mills*  
*Part Lots 12, 13 & 14, Conc. 1, Rideau Front Nepean ON*

**Database:**  
*CA*

**Certificate #:** 6048-4WJJ2R  
**Application Year:** 01  
**Issue Date:** 5/14/01  
**Approval Type:** Municipal & Private water  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** Minto Developments Inc.  
**Client Address:** 427 Laurier Avenue West, Suite 300  
**Client City:** Ottawa  
**Client Postal Code:** K1R 7Y2  
**Project Description:** Watermains to be constructed on Cresthaven, Street No. 1, Street No. 4, and Street No. 5.  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Chapman Mills, Stage 3 & 4*  
*Part Lots 12, 13 & 14, Conc. 1, Rideau Front Nepean ON*

**Database:**  
*CA*

**Certificate #:** 6444-4PZKP4  
**Application Year:** 00  
**Issue Date:** 10/12/00  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** South Nepean Development Corporation  
**Client Address:** 427 Laurier Ave. W., Unit 300  
**Client City:** Ottawa  
**Client Postal Code:** K1R 7Y2  
**Project Description:** This application is for the installation of storm and sanitary sewers to serve the Chapman Mills, Stages 3 & 4 Subdivision in the City of Nepean.  
**Contaminants:**  
**Emission Control:**

---

**Site:** *Chapman Mills*  
*Part Lots 12, 13 & 14, Conc. 1, Rideau Front Nepean ON*

**Database:**  
*CA*

**Certificate #:** 4804-4WJHQU  
**Application Year:** 01  
**Issue Date:** 5/14/01  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** Minto Developments Inc.  
**Client Address:** 427 Laurier Avenue West, Suite 300  
**Client City:** Ottawa  
**Client Postal Code:** K1R 7Y2  
**Project Description:** Storm and sanitary sewers to be constructed on Cresthaven, Street No. 4 and Street No. 5, and sanitary sewers to be constructed on Street No. 1.  
**Contaminants:**  
**Emission Control:**

---

**Site:** *City of Ottawa*  
*Carling Avenue (Road allowance) Ottawa ON*

**Database:**  
*CA*

**Certificate #:** 3615-6QHRAR  
**Application Year:** 2006  
**Issue Date:** 6/13/2006  
**Approval Type:** Municipal and Private Sewage Works  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**

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

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**Site:** **Chapman Mills**  
**Part Lots 12, 13 & 14, Conc. 1, Rideau Front Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 1990-52VP6V  
**Application Year:** 01  
**Issue Date:** 9/27/01  
**Approval Type:** Municipal & Private water  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** Minto Developments Inc.  
**Client Address:** 427 Laurier Avenue West, Suite 300  
**Client City:** Ottawa  
**Client Postal Code:** K1R 7Y2  
**Project Description:** This application is for construction of watermains in the City of Ottawa on Branchwood Street, Wells Street, Fairpark Drive, Villandry Street, Cresthaven Drive, Sunvale Street, Len Lunney Crescent, Marcay Street, Grandleaa way, Cherry Hill Street, Drumlins Way and Barnstone Drive.

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

---

**Site:** **City of Ottawa**  
**Between Carling Avenue and Clare St Ottawa ON**

**Database:**  
**CA**

**Certificate #:** 9651-82XSP2  
**Application Year:** 2010  
**Issue Date:** 2/25/2010  
**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:** **L.SIPOLINS**  
**SOUTH OF CARLING AVE. OTTAWA CITY ON**

**Database:**  
**CA**

**Certificate #:** 7-1008-85-006  
**Application Year:** 85  
**Issue Date:** 11/15/85  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **WESMAR HOMES LTD.**  
**CARLING AVE. NEPEAN CITY ON**

**Database:**  
**CA**

**Certificate #:** 3-1205-88-  
**Application Year:** 88



**Issue Date:** 7/18/1988  
**Approval Type:** Municipal sewage  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

---

**Site:** **Taggart Construction Limited**  
**Ottawa ON**

**Database:**  
**CONV**

**File No:** 012802

**Location:**

**Crown Brief No:**

**Region:**

**Court Location:**

**Ministry District:**

**Publication City:**

**Publication Title:**

**Act:**

**Act(s):**

**First Matter:**

**Second Matter:**

**Investigation 1:**

**Investigation 2:**

**Penalty Imposed:**

**Description:**

Taggart Construction Limited, Paterson Group Inc. and Robert Passmore have been fined \$5,000 each, totalling \$15,000 plus a victim fine surcharge, after pleading guilty on January 15, 2009 to violations under the Ontario Water Resources Act. Taggart Construction Limited and Paterson Group Inc. were convicted of failing to comply with a Provincial Officer Order by taking more than 50,000 litres of water per day, and Mr. Passmore was convicted of giving false or misleading information to the ministry. The parties were given six months to pay the fine. The Court heard that Taggart Construction Limited was contracted by a developer to install municipal services at a subdivision in Ottawa which required dewatering activities. After being issued a Provincial Officer Order to restrict water taking activities to below 50,000 litres per day until a permit had been obtained, Taggart hired Paterson Group Inc. to submit an application for the permit. Taggart then pumped over 50,000 litres of water based on information provided by Paterson Group employee, Mr. Passmore, that the go ahead to pump had been given when a permit had yet to be issued. In an interview with ministry investigators, Mr. Passmore denied giving Taggart verbal approval to pump in excess of 50,000 litres per day. Taggart Construction Limited, Paterson Group Inc. and Mr. Passmore were charged following an investigation by the Ministry of the Environment's Investigations and Enforcement Branch.

**Background:**

**URL:**

**Additional Details**

**Publication Date:**

**Count:** 1

**Act:** OWRA

**Regulation:**

**Section:**

**Act/Regulation/Section:** OWRA

**Date of Offence:**

**Date of Conviction:**

**Date Charged:** January 15, 2009

**Charge Disposition:** fine, victim fine surcharge

**Fine:** \$5,000

**Synopsis:**

---

**Site:** **Taggart Construction Limited**  
**Mobile Facility Ottawa Ontario Ottawa ON**

**Database:**  
**EBR**

**EBR Registry No:** IA07E0165

**Decision Posted:**

**Ministry Ref No:** 8556-6XWUA3

**Exception Posted:**

**Notice Type:** Instrument Decision

**Section:**

**Notice Stage:** 803008003

**Act 1:**

**Notice Date:** December 09, 2008

**Act 2:**

**Proposal Date:** January 30, 2007  
**Year:** 2007  
**Instrument Type:** (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)  
**Off Instrument Name:**  
**Posted By:**  
**Company Name:** Taggart Construction Limited  
**Site Address:**  
**Location Other:**  
**Proponent Name:**  
**Proponent Address:** 3187 Albion Rd S, Ottawa Ontario, K1V 8Y3  
**Comment Period:**  
**URL:**

**Site Location Map:**

**Site Location Details:**

Mobile Facility Ottawa Ontario Ottawa

---

**Site:** **City of Ottawa**  
**Carling Ave Ottawa ON K2G 6J8**

**Database:**  
**ECA**

**Approval No:** 3723-9ATJC6  
**Approval Date:** 2013-08-30  
**Status:** Approved  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**  
**Approval Type:** ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Project Type:** MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Address:** Carling Ave  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/9325-9AMR2C-14.pdf>

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

---

**Site:** **City of Ottawa**  
**Carling Ave Ottawa ON K2G 6J8**

**Database:**  
**ECA**

**Approval No:** 2472-8GRQTN  
**Approval Date:** 2011-05-20  
**Status:** Approved  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**  
**Approval Type:** ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Project Type:** MUNICIPAL AND PRIVATE SEWAGE WORKS  
**Address:** Carling Ave  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/5823-8GCKK6-14.pdf>

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

---

**Site:** **Taggart Construction Limited**  
**Mobile Facility Ottawa ON K1V 8Y3**

**Database:**  
**ECA**

**Approval No:** 0636-7KEL2F  
**Approval Date:** 2008-11-19  
**Status:** Approved  
**Record Type:** ECA  
**Link Source:** IDS  
**SWP Area Name:**  
**Approval Type:** ECA-AIR  
**Project Type:** AIR  
**Address:** Mobile Facility  
**Full Address:**  
**Full PDF Link:** <https://www.accessenvironment.ene.gov.on.ca/instruments/8556-6XWUA3-14.pdf>

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

**Site:** MINTO APARTMENTS LTD.  
CRYSTAL BEACH DR. OTTAWA ON K2H 5H8

**Database:**  
GEN

**Generator No:** ON9382860  
**Status:**  
**Approval Years:** 2014  
**Contam. Facility:** No  
**MHSW Facility:** No  
**SIC Code:** 831990  
**SIC Description:** 831990

**PO Box No:**  
**Country:** Canada  
**Choice of Contact:** CO\_ADMIN  
**Co Admin:** DIANNE RIVET  
**Phone No Admin:** 613.822.0624 Ext.

**Detail(s)**

**Waste Class:** 221  
**Waste Class Desc:** LIGHT FUELS

**Site:** MINTO APARTMENTS LTD.  
CRYSTAL BEACH DR. OTTAWA ON

**Database:**  
GEN

**Generator No:** ON9382860  
**Status:**  
**Approval Years:** 2013  
**Contam. Facility:**  
**MHSW Facility:**  
**SIC Code:** 831990  
**SIC Description:**

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

**Detail(s)**

**Waste Class:** 221  
**Waste Class Desc:** LIGHT FUELS

**Site:** HOTEL/MOTEL  
CARLING AVENUE (N.O.S.) OTTAWA CITY ON

**Database:**  
SPL

**Ref No:** 84065  
**Site No:**  
**Incident Dt:** 4/14/1993  
**Year:**  
**Incident Cause:** UNDERGROUND TANK LEAK  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** CONFIRMED  
**Nature of Impact:** Soil contamination  
**Receiving Medium:** LAND  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 4/14/1993  
**Dt Document Closed:**  
**Incident Reason:** CORROSION  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** EMBASSY WEST HOTEL: FUEL-CONTAMINATED SOIL FOUND BY UNDERGROUND TANK  
**Contaminant Qty:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** 20101  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:** MCCR  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

**Site:** Graham Creek outfall near Carling Av.<UNOFFICIAL> Ottawa ON

**Database:**  
SPL

**Ref No:** 7230-6EESVB  
**Site No:**

**Discharger Report:** 0  
**Material Group:** Oil

**Incident Dt:** 7/18/2005  
**Year:**  
**Incident Cause:** Discharge Or Bypass To A Watercourse  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:** OIL (PETROLEUM BASED, NOT SPECIFIED)  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Possible  
**Nature of Impact:** Surface Water Pollution  
**Receiving Medium:** Water  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 7/18/2005  
**Dt Document Closed:**  
**Incident Reason:** Unknown - Reason not determined  
**Site Name:** Graham Creek outfall near Carling Av.<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Ukn srce, film on Graham Ck, Works & ERP  
**Contaminant Qty:**

**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:** Ottawa  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** Ottawa  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:** Spills to Watercourses  
**Source Type:**

**Site:** MacEwen Petroleum Inc.  
Ottawa ON

**Database:**  
SPL

**Ref No:** 8700-8QT5DV  
**Site No:**  
**Incident Dt:** 23-JAN-12  
**Year:**  
**Incident Cause:** Overturn - Truck Or Trailer  
**Incident Event:**  
**Contaminant Code:** 13  
**Contaminant Name:** FUEL (N.O.S.)  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**  
**Environment Impact:** Confirmed  
**Nature of Impact:** Soil Contamination  
**Receiving Medium:** Sewage - Municipal/Private and Commercial  
**Receiving Env:**  
**MOE Response:** Priority Field Response (ERP Callout)  
**Dt MOE Arvl on Scn:** 23-JAN-12  
**MOE Reported Dt:** 23-JAN-12  
**Dt Document Closed:**  
**Incident Reason:** Unknown - Reason not determined  
**Site Name:** Leitram and Hawthorne <UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** MacEwen Fuels <54000L on board tanker in ditch, spill cont.  
**Contaminant Qty:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:** Tank Truck  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**  
**Site Municipality:** Ottawa  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:** Primary Assessment of Incident  
**Source Type:**

**Site:** NATIONAL DEFENCE  
SHERLY'S BAY (PROPERTY) OFF CARLING AVE. FUEL STORAGE TANK OTTAWA CITY ON

**Database:**  
SPL

**Ref No:** 223921  
**Site No:**  
**Incident Dt:** 4/11/2002  
**Year:**  
**Incident Cause:** UNDERGROUND TANK LEAK  
**Incident Event:**  
**Contaminant Code:**  
**Contaminant Name:**  
**Contaminant Limit 1:**  
**Contam Limit Freq 1:**  
**Contaminant UN No 1:**

**Discharger Report:**  
**Material Group:**  
**Health/Env Conseq:**  
**Client Type:**  
**Sector Type:**  
**Agency Involved:**  
**Nearest Watercourse:**  
**Site Address:**  
**Site District Office:**  
**Site Postal Code:**  
**Site Region:**

**Environment Impact:** POSSIBLE  
**Nature of Impact:** Soil contamination  
**Receiving Medium:** LAND  
**Receiving Env:**  
**MOE Response:**  
**Dt MOE Arvl on Scn:**  
**MOE Reported Dt:** 4/11/2002  
**Dt Document Closed:**  
**Incident Reason:** UNKNOWN  
**Site Name:**  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** NATIONAL DEFENCE, LEAKING UST, INSTALLED PRE 1980 UNKNOW VOLUME TO GRND  
**Contaminant Qty:**

**Site Municipality:** 20107  
**Site Lot:**  
**Site Conc:**  
**Northing:**  
**Easting:**  
**Site Geo Ref Accu:**  
**Site Map Datum:**  
**SAC Action Class:**  
**Source Type:**

**Site:** Minto (2 Crystal Beach Drive) Ottawa ON

**Database:**  
 SPL

<p> <b>Ref No:</b> 2886-93YH6T  <b>Site No:</b>  <b>Incident Dt:</b> 15-JAN-13  <b>Year:</b>  <b>Incident Cause:</b> Leak/Break  <b>Incident Event:</b>  <b>Contaminant Code:</b> 13  <b>Contaminant Name:</b> HYDROCARBON LIGHT  <b>Contaminant Limit 1:</b>  <b>Contam Limit Freq 1:</b>  <b>Contaminant UN No 1:</b>  <b>Environment Impact:</b> Confirmed  <b>Nature of Impact:</b> Groundwater Pollution; Soil Contamination  <b>Receiving Medium:</b>  <b>Receiving Env:</b>  <b>MOE Response:</b> No Field Response  <b>Dt MOE Arvl on Scn:</b>  <b>MOE Reported Dt:</b> 15-JAN-13  <b>Dt Document Closed:</b>  <b>Incident Reason:</b> Equipment Failure  <b>Site Name:</b> Ralph and Sons gas station (3420 Carling Ave)&lt;UNOFFICIAL&gt;  <b>Site County/District:</b>  <b>Site Geo Ref Meth:</b>  <b>Incident Summary:</b> Ottawa: historical contamination from a gas station  <b>Contaminant Qty:</b> 0 other - see incident description         </p>	<p> <b>Discharger Report:</b>  <b>Material Group:</b>  <b>Health/Env Conseq:</b>  <b>Client Type:</b>  <b>Sector Type:</b> Tank - Underground  <b>Agency Involved:</b>  <b>Nearest Watercourse:</b>  <b>Site Address:</b> Minto (2 Crystal Beach Drive)  <b>Site District Office:</b>  <b>Site Postal Code:</b>  <b>Site Region:</b>  <b>Site Municipality:</b> Ottawa  <b>Site Lot:</b>  <b>Site Conc:</b>  <b>Northing:</b>  <b>Easting:</b>  <b>Site Geo Ref Accu:</b>  <b>Site Map Datum:</b>  <b>SAC Action Class:</b> Land Spills  <b>Source Type:</b> </p>
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**Site:** Taggart Construction Limited  
 Ottawa ON

**Database:**  
 SPL

<p> <b>Ref No:</b> 7584-BB3KRQ  <b>Site No:</b> NA  <b>Incident Dt:</b> 4/4/2019  <b>Year:</b>  <b>Incident Cause:</b>  <b>Incident Event:</b>  <b>Contaminant Code:</b>  <b>Contaminant Name:</b>  <b>Contaminant Limit 1:</b>  <b>Contam Limit Freq 1:</b>  <b>Contaminant UN No 1:</b>  <b>Environment Impact:</b>  <b>Nature of Impact:</b>  <b>Receiving Medium:</b>  <b>Receiving Env:</b>  <b>MOE Response:</b>  <b>Dt MOE Arvl on Scn:</b>  <b>MOE Reported Dt:</b> 4/9/2019  <b>Dt Document Closed:</b>  <b>Incident Reason:</b> </p>	<p> <b>Discharger Report:</b>  <b>Material Group:</b>  <b>Health/Env Conseq:</b>  <b>Client Type:</b> Corporation  <b>Sector Type:</b>  <b>Agency Involved:</b>  <b>Nearest Watercourse:</b>  <b>Site Address:</b>  <b>Site District Office:</b> Ottawa  <b>Site Postal Code:</b>  <b>Site Region:</b> Eastern  <b>Site Municipality:</b> Ottawa  <b>Site Lot:</b>  <b>Site Conc:</b>  <b>Northing:</b>  <b>Easting:</b>  <b>Site Geo Ref Accu:</b>  <b>Site Map Datum:</b>  <b>SAC Action Class:</b>  <b>Source Type:</b> </p>
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**Site Name:** 1896 John Quinn rd, Metcalfe<UNOFFICIAL>  
**Site County/District:**  
**Site Geo Ref Meth:**  
**Incident Summary:** Mobile Crusher Relocation - 2019  
**Contaminant Qty:**

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**Site:** OTTAWA TRANSIT  
CARLING AVENUE BUS OTTAWA ON

**Database:**  
SPL

<b>Ref No:</b>	187680	<b>Discharger Report:</b>	
<b>Site No:</b>		<b>Material Group:</b>	
<b>Incident Dt:</b>	9/29/2000	<b>Health/Env Conseq:</b>	
<b>Year:</b>		<b>Client Type:</b>	
<b>Incident Cause:</b>	PIPE/HOSE LEAK	<b>Sector Type:</b>	
<b>Incident Event:</b>		<b>Agency Involved:</b>	
<b>Contaminant Code:</b>		<b>Nearest Watercourse:</b>	
<b>Contaminant Name:</b>		<b>Site Address:</b>	
<b>Contaminant Limit 1:</b>		<b>Site District Office:</b>	
<b>Contam Limit Freq 1:</b>		<b>Site Postal Code:</b>	
<b>Contaminant UN No 1:</b>		<b>Site Region:</b>	
<b>Environment Impact:</b>	POSSIBLE	<b>Site Municipality:</b>	20107
<b>Nature of Impact:</b>	Water course or lake	<b>Site Lot:</b>	
<b>Receiving Medium:</b>	WATER	<b>Site Conc:</b>	
<b>Receiving Env:</b>		<b>Northing:</b>	
<b>MOE Response:</b>		<b>Easting:</b>	PUBLIC WORKS, FIRE DEPARTMENT
<b>Dt MOE Arvl on Scn:</b>		<b>Site Geo Ref Accu:</b>	
<b>MOE Reported Dt:</b>	9/29/2000	<b>Site Map Datum:</b>	
<b>Dt Document Closed:</b>		<b>SAC Action Class:</b>	
<b>Incident Reason:</b>	UNKNOWN	<b>Source Type:</b>	
<b>Site Name:</b>			
<b>Site County/District:</b>			
<b>Site Geo Ref Meth:</b>			
<b>Incident Summary:</b>	OC TRANSPD:DIESEL FUEL LEAK FROM FUEL PUMP/LINE INTO SEWER-WORKS NOTIFIED		
<b>Contaminant Qty:</b>			

## 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 2020**

### **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-Jun 30, 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.

**Government Publication Date: Jan 2004-Dec 2018**

**Commercial Fuel Oil Tanks:**

Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

**Government Publication Date: Jul 31, 2020**

**Chemical Manufacturers and Distributors:**

Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

**Government Publication Date: 1999-Jan 31, 2020**

**Chemical Register:**

Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

**Government Publication Date: 1999-Jun 30, 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 -Dec 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-Nov 2020**

**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-Dec 31, 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 2020**

**Delisted Fuel Tanks:**

Provincial [DTNK](#)

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

**Government Publication Date: Jul 31, 2020**

**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-Dec 31, 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-Dec 31, 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- Dec 31, 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-Oct 31, 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 / 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.

**Government Publication Date: Jul 31, 2020**

**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-Sep 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.

**Government Publication Date: Jul 31, 2020**

**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-Jul 31, 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 2018**

**TSSA Historic Incidents:**

Provincial

[HINC](#)

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

**Government Publication Date: 2006-June 2009\***

**Indian & Northern Affairs Fuel Tanks:**

Federal

[IAFT](#)

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

**Government Publication Date: 1950-Aug 2003\***

**Fuel Oil Spills and Leaks:**

Provincial

[INC](#)

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

**Government Publication Date: Jul 31, 2020**

**Landfill Inventory Management Ontario:**

Provincial

[LIMO](#)

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

**Government Publication Date: 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-Sep 30, 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](http://www.nickles.com).

**Government Publication Date: 1988-Aug 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 2020**

**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-Dec 31, 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-Dec 31, 2020**

**Pipeline Incidents:**

Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

**Government Publication Date: Oct 31, 2020**

**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-Dec 31, 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-Nov 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-Jun 30, 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.

**Government Publication Date: 1988-Mar 2020; Jul 2020 - Aug 2020**

**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 2019**

**Variations for Abandonment of Underground Storage Tanks:**

Provincial [VAR](#)

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Records are not verified for accuracy or completeness.

**Government Publication Date: Jul 31, 2020**

**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-Dec 31, 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 30th, 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: Apr 30, 2020**

# Definitions

**Database Descriptions:** This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

**Detail Report:** This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

**Distance:** The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

**Direction:** The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

**Elevation:** The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

**Executive Summary:** This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

**Map Key:** The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

**Unplottables:** These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.



# **APPENDIX 3**

## **QUALIFICATIONS OF ASSESSORS**

## POSITION

Intermediate Environmental Engineer

## EDUCATION

Carleton University  
M.A.Sc., Environmental Engineering, 2013  
B.Eng., Environmental Engineering, 2008

## MEMBERSHIPS & AWARDS

Ontario Professional Engineers Association (EIT)  
NSERC Industry R&D Scholarship

## EXPERIENCE

*2018 – Present*

**Paterson Group Inc.**

Consulting Engineers  
Geotechnical and Environmental Division  
Environmental Engineer

*2014 – 2015*

**Thurber Engineering Limited**

Oil Sand Tailings Group  
Tailings Engineer

*2009 – 2014*

**Carleton University**

Department of Civil & Environmental Engineering  
Research Engineer, Research Assistant & Teaching Assistant

*2008 – 2009*

**SLR Consulting Limited**

Contaminated Sites  
Junior Environmental Engineer

## SELECTED LIST OF PROJECTS

Phase I & II Environmental Site Assessments – NRC, Kingston  
Remediation – National Capital Region, Saskatchewan  
Multi-lift and dry-stacking pilot programs – Northern Alberta  
Polymer amended oil sand tailings – Northern Alberta  
Hydraulic cut-off wall – Allen, Saskatchewan  
Cemented paste backfill systems – Northern Ontario

Geotechnical  
Engineering

Environmental  
Engineering

Hydrogeology

Geological  
Engineering

Materials Testing

Building Science

Archaeological  
Services

## POSITION

Intermediate Environmental Engineer

## EDUCATION

Carleton University, B.Eng. 2002  
Environmental Engineering

## MEMBERSHIPS AND AWARDS

Professional Engineers of Ontario  
Ottawa Geotechnical Society

## EXPERIENCE

*2011-present*

### **Paterson Group Inc.**

Consulting Engineers  
Geotechnical and Environmental Division  
Intermediate Engineer

*2009-2010*

### **Department of Indian and Northern Affairs**

Contaminated Sites Division  
Environment Officer (PC-02)

*2003 to 2009*

### **Paterson Group Inc.**

Consulting Engineers  
Geotechnical and Environmental Division  
Intermediate Engineer

*2002 to 2003*

### **Dessau Soprin Inc.**

Consulting Engineers  
Environmental Division  
Junior Engineer

## SELECT LIST OF PROJECTS

Billings-Hurdman Interconnect Watermain - Ottawa  
Telus Building Remediation - Ottawa  
Block D Lands Remediation and Redevelopment – Kingston  
Gladstone Avenue Reconstruction - Ottawa  
Lees Avenue Coal Tar Site - City of Ottawa  
Nortel Networks Environmental Monitoring Program  
3W Zone Feedermain – Ottawa  
Bank Street Reconstruction – Ottawa  
Lees Avenue Remediation Program – Ottawa  
Colonnade Road North Development – Ottawa  
Montreal Road Reconstruction – Ottawa  
Designated Substance Surveys – Residential and Commercial Sites - Ottawa  
Phase I & II Environmental Site Assessments – Residential, Commercial and Industrial Sites – Ottawa (CSA Z768-01 and O.Reg 269/11)  
Brownfields Applications and Records of Site Condition – Residential and Commercial Redevelopment