

Phase I Environmental Site Assessment Update

3430 Carling Avenue
Ottawa, Ontario

Prepared for Rohit Communities Ontario Inc.

**Report: PE5853-1
December 12, 2022**



TABLE OF CONTENTS

EXECUTIVE SUMMARY.....	ii
1.0 INTRODUCTION.....	1
2.0 PHASE I PROPERTY INFORMATION.....	2
3.0 SCOPE OF INVESTIGATION	3
4.0 RECORDS REVIEW	4
4.1 General.....	4
4.2 Environmental Source Information	6
4.3 Physical Setting Sources	10
5.0 INTERVIEWS	14
6.0 SITE RECONNAISSANCE.....	15
6.1 General Requirements.....	15
6.2 Specific Observations at Phase I Property	15
7.0 REVIEW AND EVALUATION OF INFORMATION	18
7.1 Land Use History	18
7.2 Conceptual Site Model.....	21
8.0 CONCLUSIONS	26
8.1 Assessment.....	26
8.2 Recommendations	27
9.0 STATEMENT OF LIMITATIONS	28
10.0 REFERENCES.....	29

List of Figures

Figure 1 - Key Plan
Figure 2 - Topographic Map
Drawing PE5853-1 - Site Plan
Drawing PE5853-2 - Surrounding Land Use Plan

List of Appendices

Appendix 1 Chain of Title
Aerial Photographs
Site Photograph

Appendix 2 MECP Freedom of Information
MECP Well Records
City of Ottawa HLUI Search
TSSA Correspondence
ERIS Report

Appendix 3 Qualifications of Assessors

EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by Mr. Shibinn Manivannan, with Rohit Communities Ontario Inc., to conduct a Phase I-Environmental Site Assessment (ESA) Update for the property addressed 3430 Carling Avenue, in the City of Ottawa, Ontario. This report updates a Phase I ESA entitled “Phase I-Environmental Site Assessment, 3430 Carling Avenue, Ottawa, Ontario”, dated February 12, 2021 and prepared by Paterson Group.

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 cleaner was located at 2 Ullswater Avenue, 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. Based on the recent site visit, 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.**

Recommendations

It is our understanding that the Phase I Property will be redeveloped for residential purposes. Due to the more sensitive land use change of the Phase I Property, from commercial to residential, a Record of Site Condition (RSC) will be required as per O.Reg. 153/04.

Prior to any demolition activities of the subject building, a designated substance survey (DSS) must be conducted for the existing structure, in accordance with O.Reg. 490/09 under the Occupational Health and Safety Act.

Prior to development, any monitoring wells remaining onsite must be decommissioned in accordance with O.Reg. 903: Wells.

Any excess soil created during future development must be handled in accordance with O.Reg.406/19: On-Site and Excess Soil Management.

1.0 INTRODUCTION

At the request of Rohit Communities Ontario Inc., Paterson Group (Paterson) conducted a Phase I-Environmental Site Assessment Update (Phase I-ESA Update) for the property addressed 3430 Carling Avenue, in the City of Ottawa, Ontario, herein referred to as the Phase I Property. This report updates a Phase I ESA entitled “Phase I-Environmental Site Assessment, 3430 Carling Avenue, Ottawa, Ontario”, dated February 12, 2021 and prepared by Paterson Group.

Paterson was engaged to conduct this Phase I-ESA by Mr. Shibinn Manivannan, with Rohit Communities Ontario Inc. Mr. Manivannan office is located at 15 Fitzgerald Road, Ottawa, Ontario. Mr. Manivannan, be reached by telephone at 613-276-7126.

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 Update 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 the requirements of CSA Z768-01 (reaffirmed, 2022). The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I-ESA are based on a review of readily available geological, historical and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as local, provincial and federal agencies, and was limited within the scope-of-work, time and budget of the project herein. This report is to be read in conjunction with the 2021 report.

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
Site Description:	
Configuration:	Irregular
Site Area:	3,945 m ² (approximately)
Zoning:	GM – General Mixed-Use Zone
Current Use:	The subject site is occupied a vacant restaurant/bar (Villa Lucia) with associated parking.
Services:	The Phase I Property is situated in a municipally serviced area.

3.0 SCOPE OF INVESTIGATION

The scope of work for this Phase I – Environmental Site Assessment Update 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 (reaffirmed, 2022);
- Provide a preliminary environmental site evaluation based on our findings;
- Provide preliminary remediation recommendations and further investigative work if contamination is suspected or encountered.

4.0 RECORDS REVIEW

4.1 General

Phase I-ESA Study Area Determination

A radius of approximately 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 water well on-site was established in 1953. 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 as part of the 2021 assessment. 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

The following engineering reports were reviewed as part of this assessment:

- “Geotechnical Investigation, 3430 Carling Avenue, Ontario,” prepared by Paterson Group Inc. (Paterson), dated April 15, 2021.

Based on the findings of the March 2019 Geotechnical Investigation carried out by Paterson, (Report: PG5680-1, dated April 15, 2021), 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.

- “Phase I-Environmental Site Assessment, 3430 Carling Avenue, Ontario,” prepared by Paterson Group Inc. (Paterson), dated April 15, 2021.

The Phase I Property was first developed in 1953 for commercial purposes and has remained commercial land use since then. No potentially contaminating activities (PCAs) were identified with the historical and current use of the Phase I Property.

One off-site PCA was identified at 3420 Carling Avenue: a historical and current retail fuel outlet (RFO). Paterson had 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 was our opinion that the property at 3420 Carling Avenue did not represent an area of potential environmental concern (APEC) on the Phase I Property.

The 2021 assessment also identified a historical dry cleaner that was reportedly located at 2 Ullswater Drive, approximately 180m west of the Phase I Property. Based on the separation distance and cross-gradient orientation relative to the subject land, the formerly reported dry cleaner was not considered to represent an APEC on the Phase I Property.

Based on the findings of the original Phase I ESA, a Phase II ESA was not required for the Phase I Property.

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 December 6, 2022. 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 December 6, 2022. 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 December 6, 2022. 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. A response from the MECP FOI office had not been received at the of issuance of this report, however, a copy of the results will be provided to the client upon receipt of the FOI response letter. A copy of the request form is appended to this report.

It should be noted that the results of a previous FOI request, dated October 9, 2019, identified no records pertaining to the Phase I Property.

MECP Submissions

A current request was submitted to the MECP FOI office for information with respect to reports related to environmental conditions for the property. A response from the MECP FOI office had not been received at the of issuance of this report, however, a copy of the results will be provided to the client upon receipt of the FOI response letter.

Based on the 2019 FOI response, there are no records pertaining to the Phase I Property.

MECP Waste Management Records

A request was submitted to the MECP FOI office for information with respect to waste management records. A response from the MECP FOI office had not been received at the of issuance of this report, however, a copy of the results will be provided to the client upon receipt of the FOI response letter.

Based on the 2019 FOI response, there are no records pertaining to the Phase I Property.

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. A response from the MECP FOI office had not been received at the time of issuance of this report, however, a copy of the results will be provided to the client upon receipt of the FOI response letter.

Based on the 2019 FOI response, there are no records pertaining to the Phase I Property.

MECP Coal Gasification Plant Inventory

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

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 December 9, 2022, 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 (HLUI) was requested as part of this update. The HLUI search result had not been received at the of issuance of this report, however, a copy of the results will be provided to the client upon receipt of the search results.

The HLUI search results (HLUI2005) received as part of the original Phase I ESA report did not identify any activities associated with the Phase I Property. Three (3) activities that were 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. A copy of the HLUI (HLUI2005) search results are provided in Appendix 2, as well as a copy of an updated HLUI request application.

ERIS Report

An ERIS (Environmental Risk Information Service) Search Report, dated December 9, 2022, was obtained for the Phase I Property and properties within the study area.

Based on the ERIS report, 2 records of historical ERIS searches were identified. Otherwise there were no records pertaining to 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 not 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 RSC 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 been 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.

2021 No apparent changes have been made to the Phase I Property or the surrounding properties since the previous photograph.

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 December 6, 2022, 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.

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. 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 therefor, 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. Giorgio Di Franco was interviewed at the time of the current site visit, carried out as part of this update. According to Mr. Di Franco, no changes have been made to the Phase I Property since 2019. The Phase I Property was used intermittently during COVID (2020/2021) and has not been utilized since early 2022.

Mr. Di Franco was unaware of any potential environmental concerns regarding the Phase I Property and surrounding properties. Any pertinent information obtained from the interviews have been included in the relevant sections of this report.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

A site visit was carried out on Friday, December 9, 2022, by Ms. Mandy Witteman from the Environmental Department of Paterson. Weather conditions were overcast with a temperature of approximately -5.0°C on December 9, 2022. At the time of the site visit, neighbouring land use within the Phase I Study Area was also assessed.

Based on the current site visit, no changes were noted on the Phase I Property, since the time of the previous 2021 site visit. Neighbouring land use also remains unchanged from the time of the 2021 assessment. The subsequent subsections have been confirmed and remain accurate at this time.

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.

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 drainage typically occurs through sheet flow to catch basins on-site and off-site along Carling Avenue. The two (2) catch basins on-site are situated at the rear of the subject building along the southern side of the property. It is likely that these batch basins on-site collect the stormwater overflow from the adjacent properties to the south, based on the topography in the immediate area.

Site features are presented on Drawing PE5853-1 – 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 RSC 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 PE5853-2 – 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.

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)				
Time Period	Name of Owner	Property Use	Description of Property Use	Other Observations from Aerial Photos, FIPs, Directories, etc.
Lot 12, Concession 1, Ottawa Front, Nepean				
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.

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)				
Time Period	Name of Owner	Property Use	Description of Property Use	Other Observations from Aerial Photos, FIPs, Directories, etc.
Plan 420102, Block C				
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	Scaff 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.

The last known land use of the Phase I Property was for commercial purposes. The proposed redevelopment of the Phase I Property is residential. Due to the more sensitive land use change of the Phase I Property, a Record of Site Condition (RSC) will be required as per the O.Reg. 153/04.

Potentially Contaminating Activities (PCAs)

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 RSC 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 historical dry cleaner was reportedly located at 2 Ullswater Drive, 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 PE5853-2 – Surrounding Land Use Plan.

Areas of Potential Environmental Concerns (APECs)

There are no on- or off-site PCAs that are considered to represent APECs on the Phase I Property.

Contaminants of Potential Concern

There are no APECs on the Phase I Property and as such, 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 15m. 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 PE5853-1– 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.

With the exception of the building footings and three (3) monitoring wells installed as part of an initial 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 RSC 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 PE5853-2 – 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 PE5853-2R – 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

The information available for review as part of the preparation of the Phase I- ESA Update is considered to be sufficient to conclude that there are on- and off-site PCAs that have resulted in APECs on the Phase I Property.

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

8.0 CONCLUSIONS

8.1 Assessment

Paterson Group was retained by Mr. Shibinn Manivannan, with Rohit Communities Ontario Inc., to conduct a Phase I-Environmental Site Assessment (ESA) Update for the property addressed 3430 Carling Avenue, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA Update was to identify any potentially contaminating activities that may have occurred on or off the Phase I Property, since the time of the previous 2021 assessment.

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 cleaner was located at 2 Ullswater Avenue, 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. Based on the recent site visit, 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.**

8.2 Recommendations

It is our understanding that the Phase I Property will be redeveloped for residential purposes. Due to the more sensitive land use change of the Phase I Property, from commercial to residential, a Record of Site Condition (RSC) will be required as per O.Reg. 153/04.

Prior to any demolition activities of the subject building, a designated substance survey (DSS) must be conducted for the existing structure, in accordance with O.Reg. 490/09 under the Occupational Health and Safety Act.

Prior to development, any monitoring wells remaining onsite must be decommissioned in accordance with O.Reg. 903: Wells.

Any excess soil created during future development must be handled in accordance with O.Reg.406/19: On-Site and Excess Soil Management.

9.0 STATEMENT OF LIMITATIONS

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

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

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

Paterson Group Inc.



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



Karyn Munch, P.Eng., QP_{ESA}



Report Distribution:

- Rohit Communities Ontario 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 PE5853-1– SITE PLAN

DRAWING PE5853-2 – SURROUNDING LAND USE PLAN

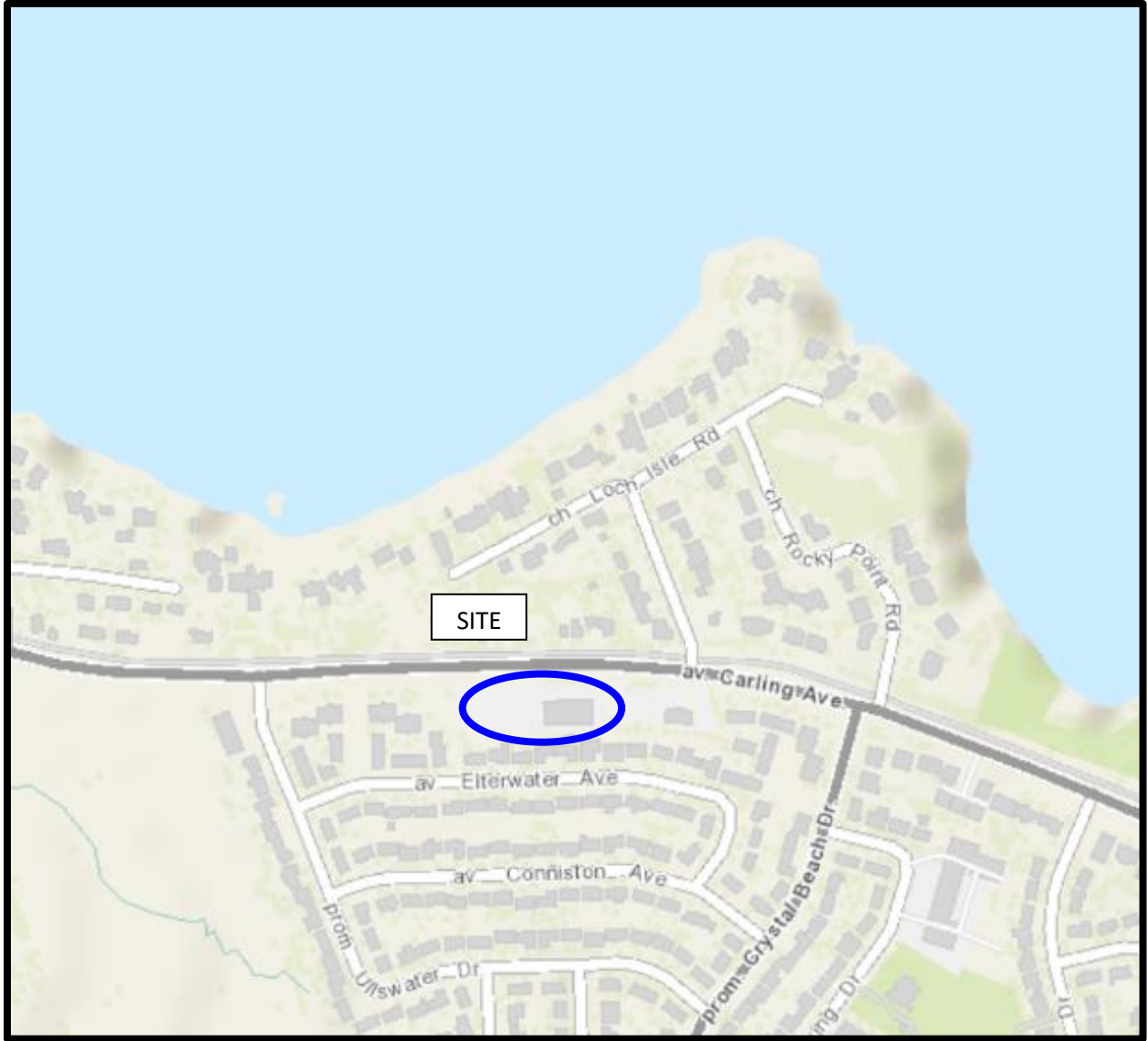


FIGURE 1
KEY PLAN



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.

SCALE: 1:500




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

NO.	REVISIONS	DATE	INITIAL

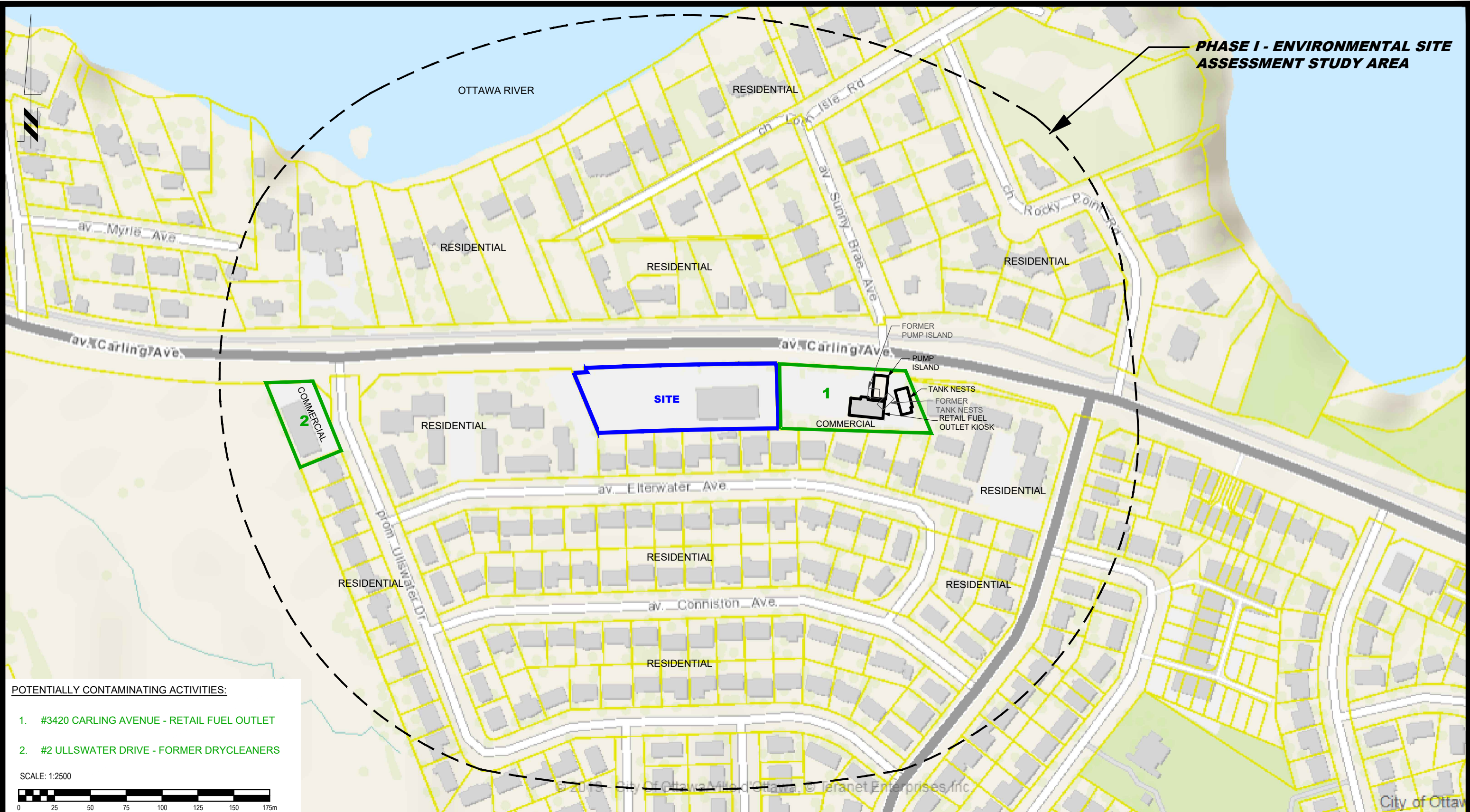
ROHIT COMMUNITIES ONTARIO INC.
PHASE I - ENVIRONMENTAL SITE ASSESSMENT UPDATE
3430 CARLING AVENUE

OTTAWA, ONTARIO

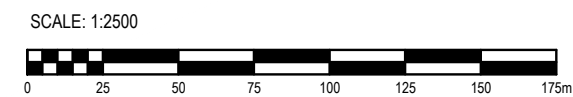
Title: **SITE PLAN**

Scale:	1:500	Date:	12/2022
Drawn by:	YA	Report No.:	PE5853-1
Checked by:	MW	Dwg. No.:	PE5853-1
Approved by:	MSD	Revision No.:	

p:\autocad drawings\environmental\pe5853\pe5853-site plan.dwg



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



<p>PATERSON GROUP 9 AURIGA DRIVE OTTAWA, ON K2E 7T9 TEL: (613) 226-7381</p>		<p>ROHIT COMMUNITIES ONTARIO INC. PHASE I - ENVIRONMENTAL SITE ASSESSMENT UPDATE 3430 CARLING AVENUE</p>	<p>Scale: 1:2500 Date: 12/2022</p>
		<p>OTTAWA, ONTARIO</p> <p>SURROUNDING LAND USE PLAN</p>	<p>Drawn by: YA Report No.: PE5853-1</p>
			<p>Checked by: MW Dwg. No.: PE5853-2</p>
			<p>Approved by: MSD Revision No.:</p>

NO.	REVISIONS	DATE	INITIAL

p:\autocad\drawings\environmental\pe5853\pe5853-2-surrounding land use plan.dwg

APPENDIX 1

CHAIN OF TITLE

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS



READ Abstracts Limited

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

Email: search@readsearch.com

Tel.: 613-236-0664

Fax: 613-236-3677

ENVIRONMENTAL SEARCH

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)

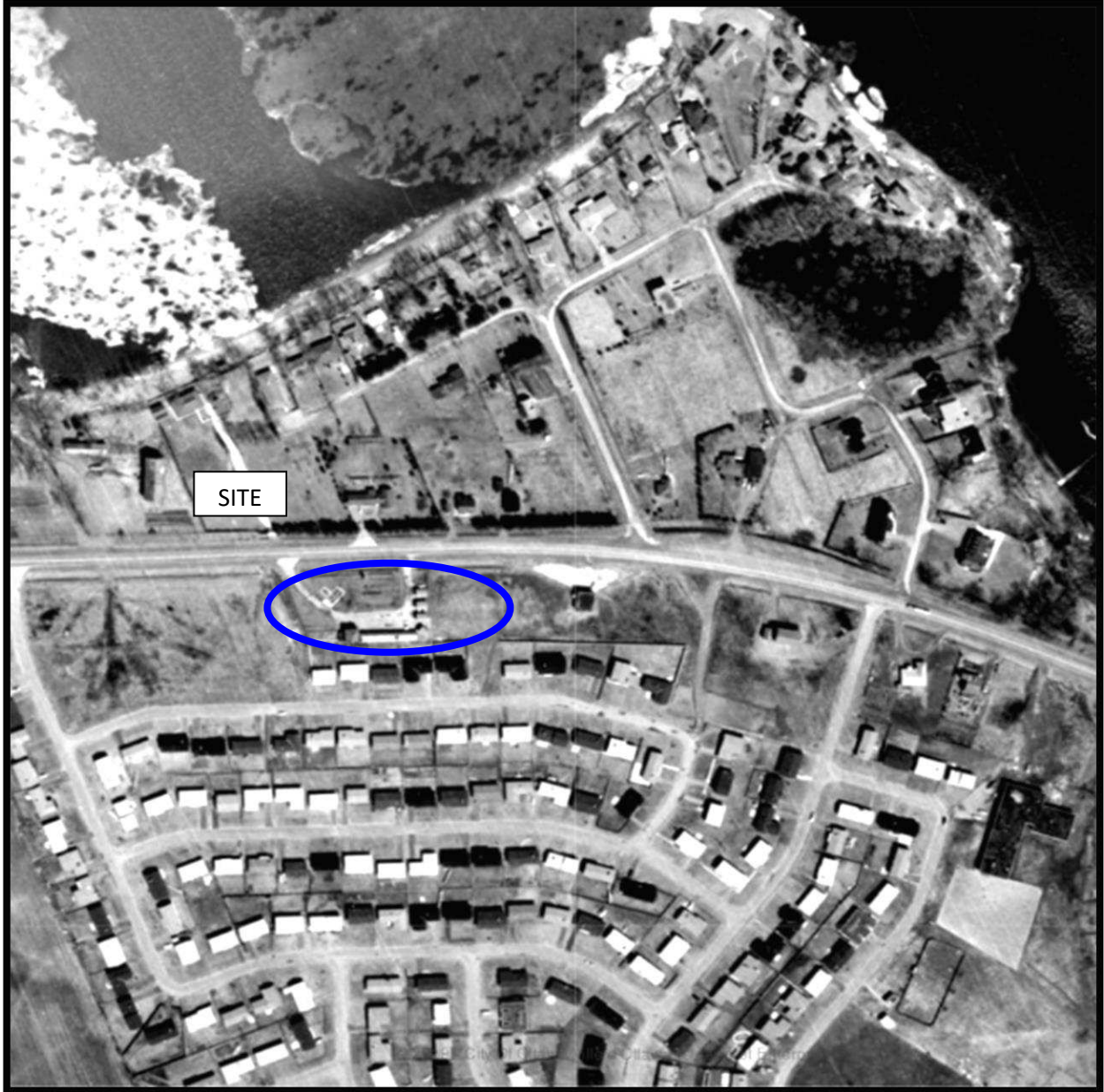
Deed NS186529 registered Apr 14, 1983
From Romano Di Franco and Lucia Di Franco to Compari Restaurant Ltd.



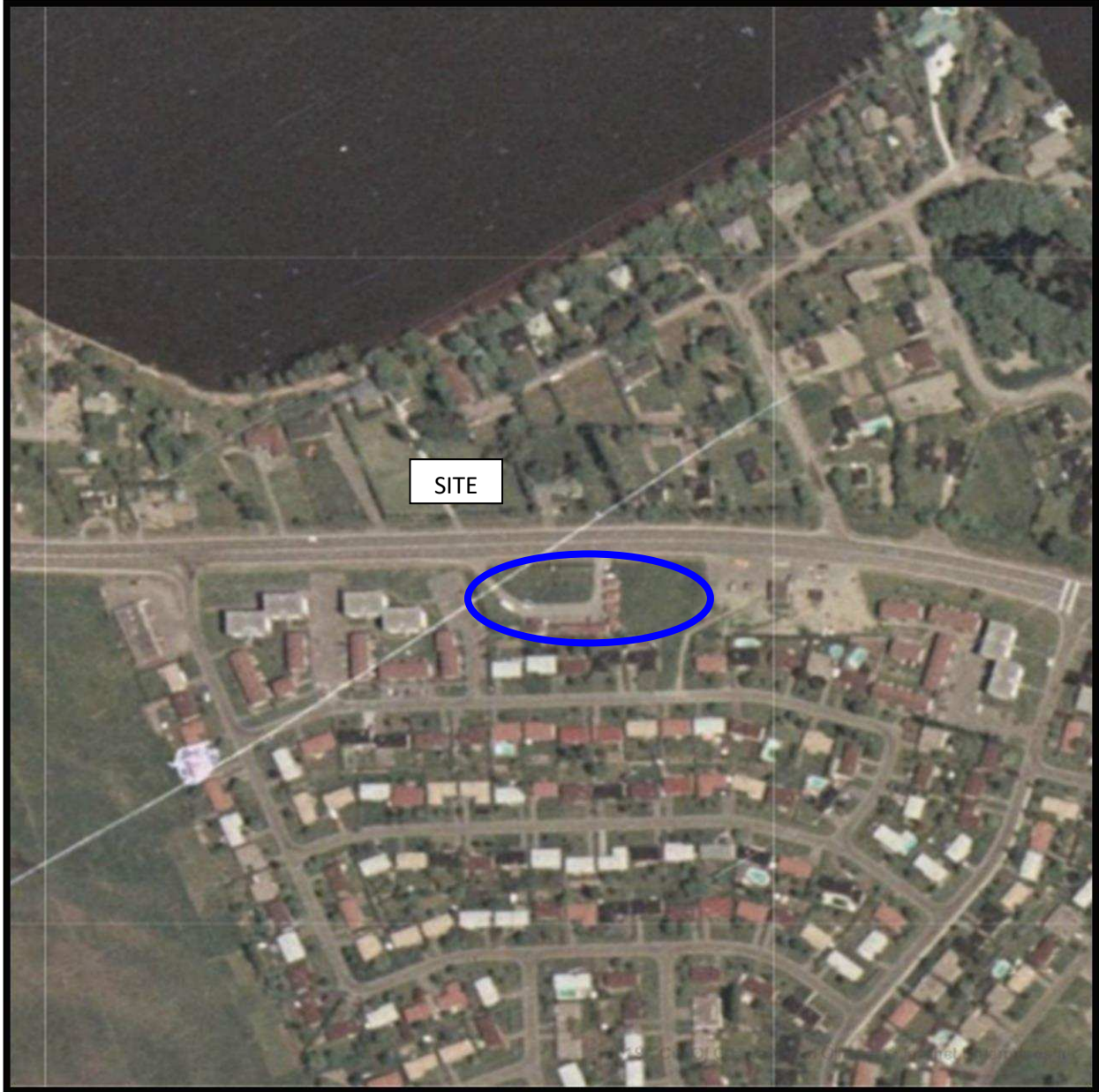
AERIAL PHOTOGRAPH
1951



AERIAL PHOTOGRAPH
1958



AERIAL PHOTOGRAPH
1965



AERIAL PHOTOGRAPH
1976



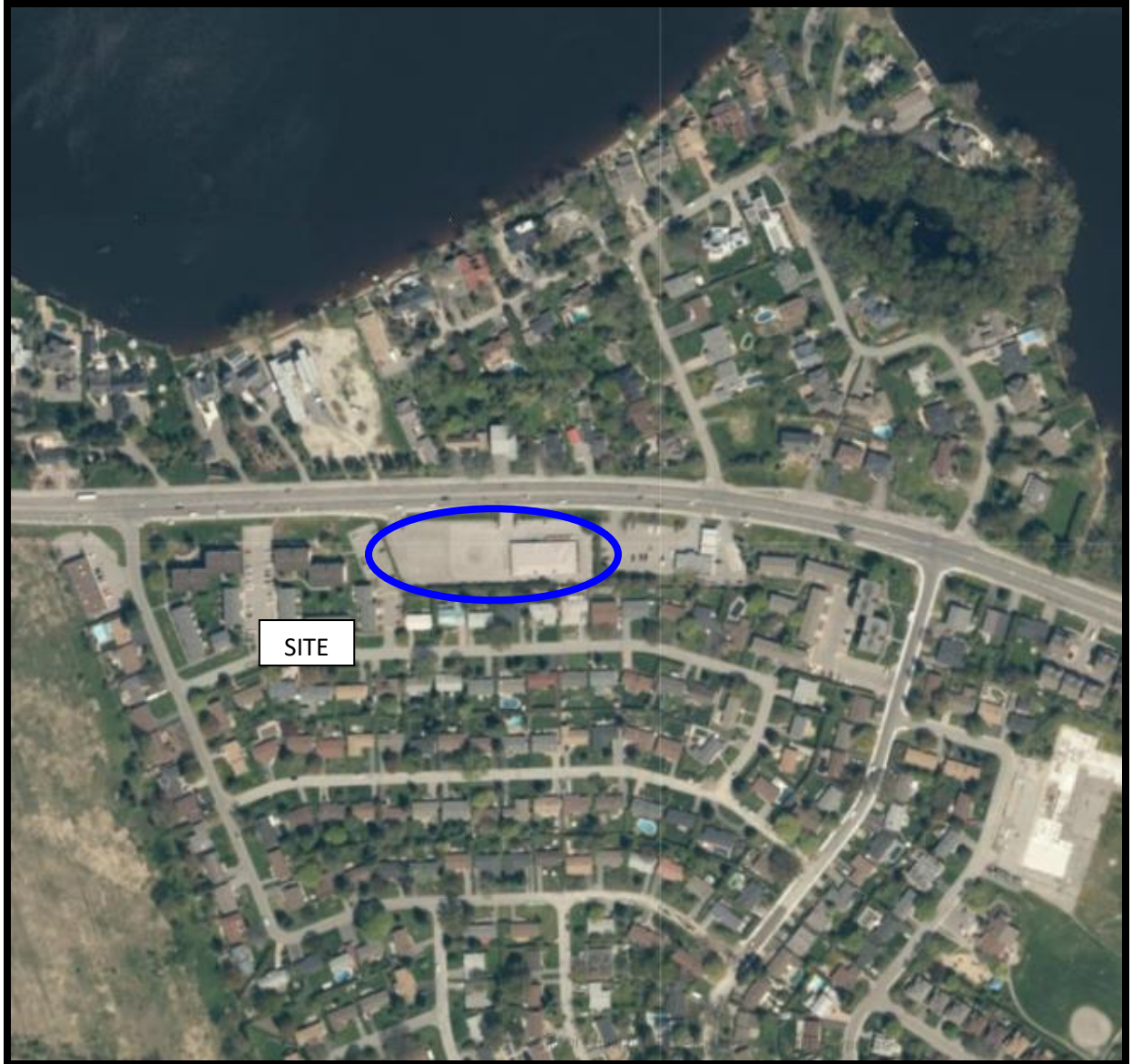
AERIAL PHOTOGRAPH
1983



AERIAL PHOTOGRAPH
1991



AERIAL PHOTOGRAPH
2005



AERIAL PHOTOGRAPH
2017



AERIAL PHOTOGRAPH
2021

Site Photographs

PE5853

3430 Carling Avenue – Ottawa, ON

December 9, 2022



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

PE5853

3430 Carling Avenue – Ottawa, ON

December 9, 2022



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

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

Freedom of Information Request for Property Information

Instructions

Use this form to:

- submit and pay for a new FOI request for access to records/information about a property
- pay for a deposit or a final fee on an existing FOI request

Fields marked with an asterisk (*) are mandatory.

Are you: *

- Submitting a new FOI Request for Property Information
- Paying a deposit or final fee for an existing FOI Request for Property Information

Section 1 – Description of Records Requested

Time Period for Records Requested

From (yyyy/mm/dd) *

1900/01/01

To (yyyy/mm/dd) *

2022/12/06

Type of Record(s) *

- All environmental records relating to the identified property/site exclusive of Environmental Approvals and Registrations
- Environmental Approvals and Registrations (e.g. Environmental Compliance Approvals; Certificate of Approval; Renewable Energy Approvals; Environmental Activity and Sector Registry Registrations)

Select only if you are seeking access to an Approval or Registration that is not publicly available or if you are also seeking supporting documents relating to the Approval or Registration.

Operator and vendor Pesticide Licenses from September 4, 2018, final Approvals and Registrations are publicly available on the Access Environment website at:

<https://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/GoSearch.action?search=basic&lang=en>.

Records of Site Condition (RSC) records are publicly available on the Brownfields Environmental Site Registry (BSER).

- RSC records between 2004 to June 30, 2011 are available at:
<https://www.lrcsde.lrc.gov.on.ca/besrWebPublic/generalSearch>
- RSC records filed after July 2011 are available at:
https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/earchFiledRsc_search?request_locale=en

- Other Specific Document(s)

List any record(s) that should be excluded from the scope of your request (e.g. email correspondences; records originating from your organization/business; records already in your possession, prior year(s) annual reports for approvals)

Please provide any additional relevant information relating to your request. For example, does your request relate to any other ministry business? Please note that this information is being requested only in order to provide contextual information to the Access and Privacy Office and will not in any way affect or expedite the status of any related ministry business identified.

Section 2 – Requester Information

Last Name * First Name * Middle Initial

Business/Organization Name (if applicable or indicate "N/A") *

Project/Reference Number (if applicable)

Are you submitting this request on behalf of a client? *

Yes No

Please upload an authorization/consent form from your client in Section 5 (Supporting Documentation)

Name of Client

Last Name * First Name *

Business/Organization Name (if applicable or indicate "N/A") *

Mailing Address

Unit Number Street Number * Street Name *

PO Box City/Town * Province * Postal Code *

Telephone Number * ext. Email Address *

Is there an alternate contact (e.g. office admin)? *

Yes No

Section 3 – Current Property Address Information

Is the property a:

Park Lake First Nation Band Wind Farm Federal Land Island Unsurveyed Land

Are you requesting information about multiple addresses? *

Yes No

Property Address

Unit Number

Street Number

Street Name

3430

Carling Ave

Full Lot Number

Concession

Geographic Township

City/Town/Village *

Ottawa

Closest Intersection

Crystal Beach Dr at Carling Ave

Section 4 – Previous Property Address Information

Do you want the ministry to search all prior historical addresses for this property/site for the time period of the records requested? *

Yes No

Section 5 – Supporting Documents

Please attach an authorization/consent form.

Please upload any documents (e.g. Maps) that are relevant to your FOI request.

The total size of all attachments must not be more than 8 MB.

1. File Name

Key Plan.pdf

Total File Size

0.06 MB

Payment confirmation number: 24890656

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. Nepean
March Rd. Town or City.
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"	Date May 27
Length(s) of casing(s) 37'	Static level 15'
Type of screen	Pumping level 2.6'
Length of screen	Pumping rate 500 G.P.H.
Distance from top of screen to ground level	Duration of test 30 Min.
Is well a gravel-wall type?	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? Motel
 How far is well from possible source of contamination? 75'
 What is the source of contamination? Septic Bed
 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
60'	Good	45'
118'	"	103'

Well Log

Overburden and Bedrock Record

From To

0 ft. 25 ft.

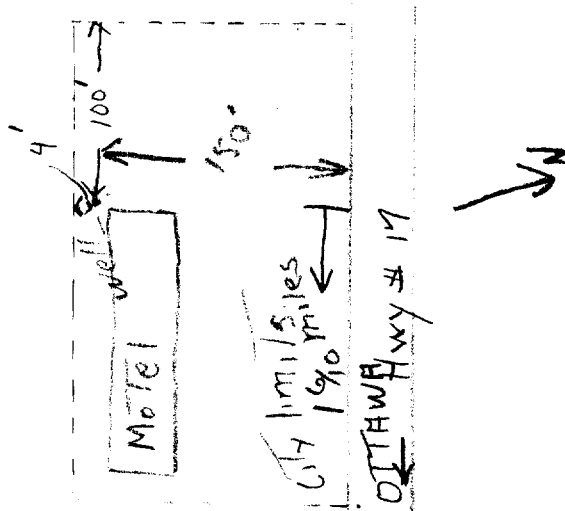
25' 35'

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. H. McKeam & Son
 Address 185 James St.
 Name of Driller C. McKeam
 Date June 11
 Address 89 Waverley
 Licence Number

Signature of Licensee



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

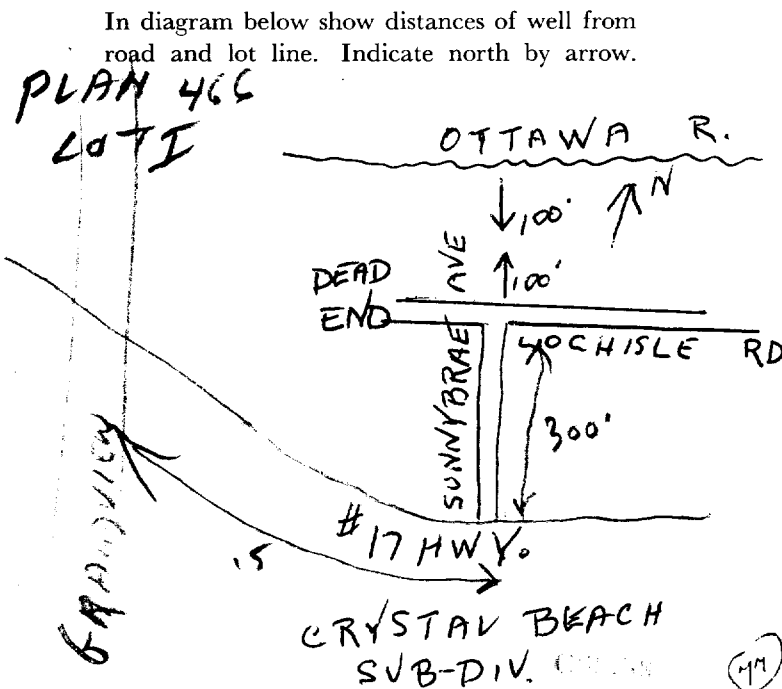
Well Log

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 1/2

(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? 45
 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

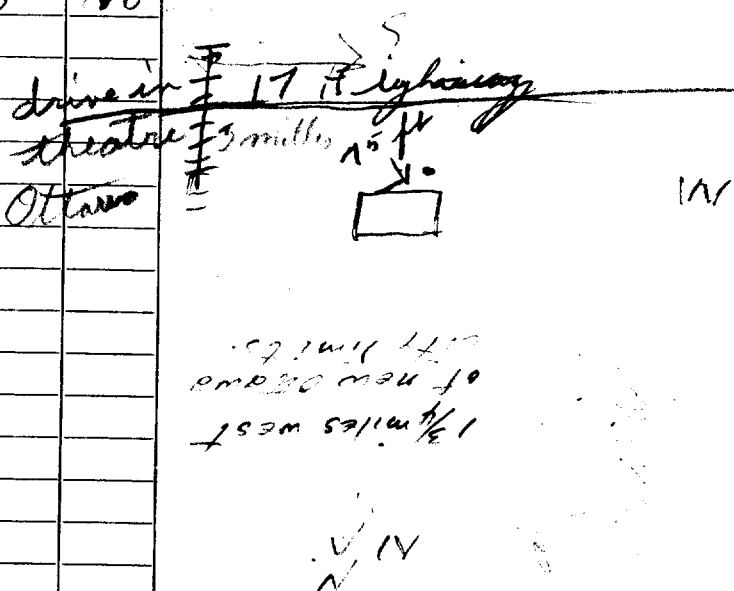
From	To
0 ft.	15 ft.
15	100

1 ft to 25 ft clay Blew

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 Address Richmond Ont

Date 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... Carlton ... Township, Village, Town or City... Britannia
Con... I.O.E. Lot 12 ... Street and Number (if in Village, Town or City) ...
Owner... [Redacted] ... Address... Britannia Bay
Date Completed... Dec 24 1952 ... Cost of Well (excluding pump) ...
(day) (month) (year)

Pipe and Casing Record

Pumping Test

Casing diameter(s) ... 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 ...

Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
30	fine water	10
50		
80		

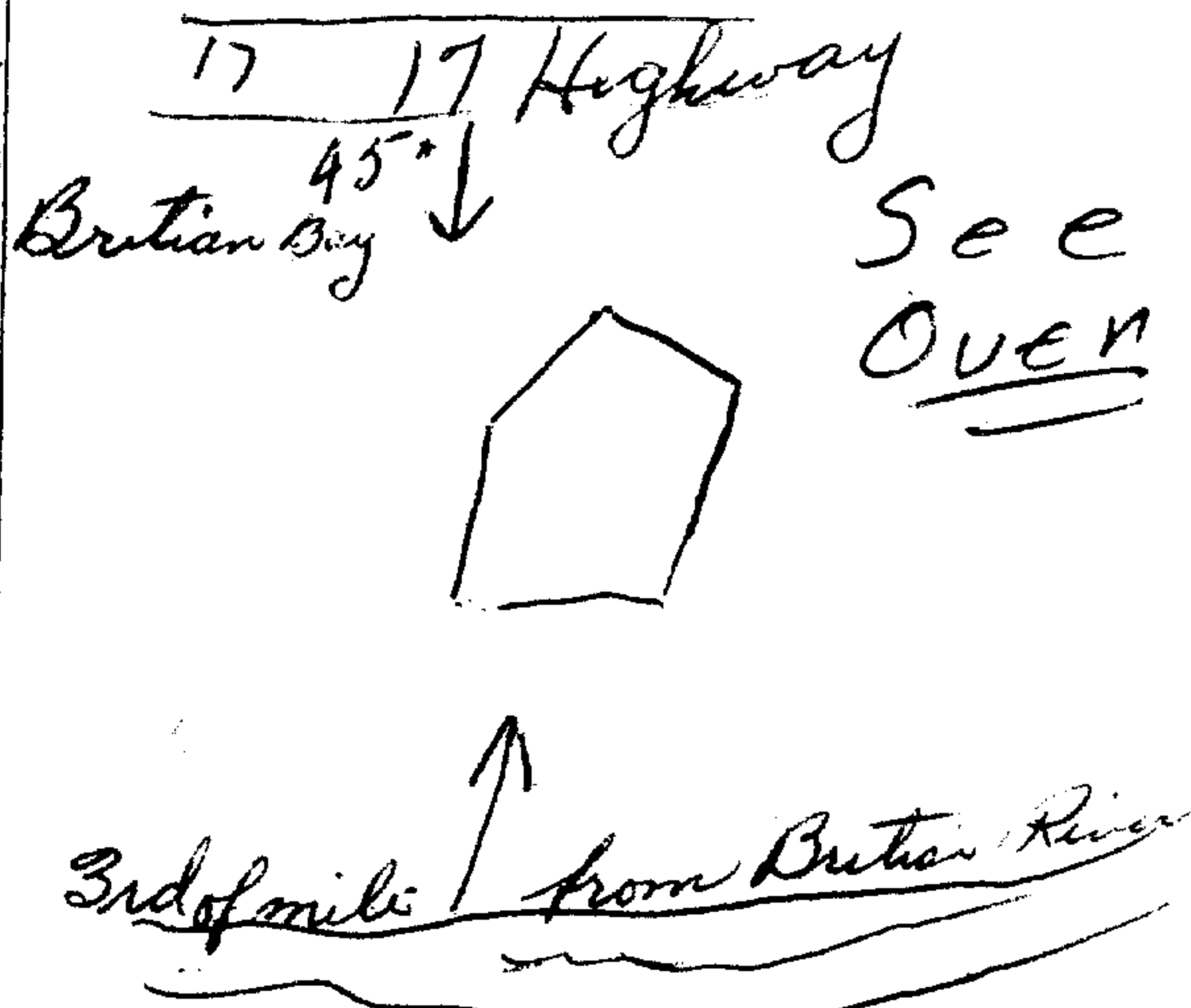
Well Log

Overburden and Bedrock Record

	From	To
<u>Brown Clay</u>	0 ft. -	<u>100</u> ft.
<u>Green Clay</u>	<u>10</u>	<u>40</u>
<u>Sand</u>	<u>40</u>	<u>45</u>
<u>Lime stone</u>	<u>45</u>	<u>103</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? ... level plain
Drilling Firm... Stewart Muligan
Address... 17 Hwy Britannia Bay Ottawa
Name of Driller... Daniel Ricardo ... Address... 82 Beech St Ottawa
Date... Dec 24 1952 ... Licence Number... 597
Signature of Licensee... D. Ricardo

UTM | 18 | Z | 434440 | E

| 9 | R | 50222225 | N

Elev. | 9 | R | 0210 |

Ottawa Front
Basin
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

Locality, Village, Town or City... Nepesin

Street... March Rd

Date Completed... 11 (day) May (month) 1953 (year). Cost of Well (excluding pump).....

Pipe and Casing Record

Pumping Test

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

Water Record

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

Well Log

Overburden and Bedrock Record

From To

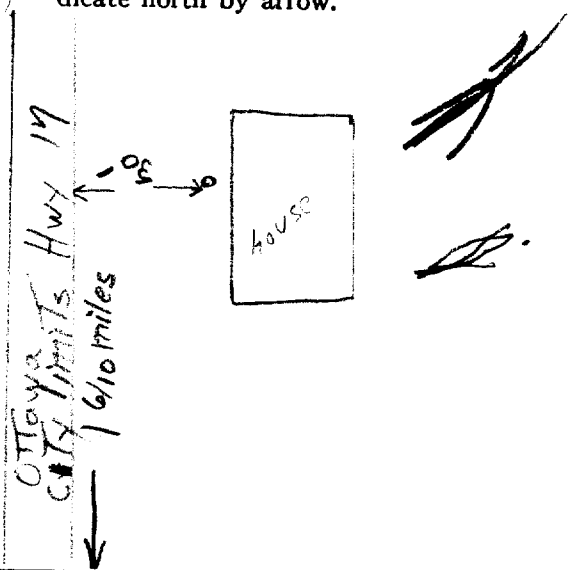
0 ft. 30 ft.

30' 43'

Clay
30' Hardpan

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

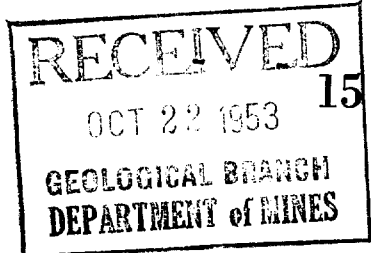
Elev. | 9R | 021010 |

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 8-53</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>

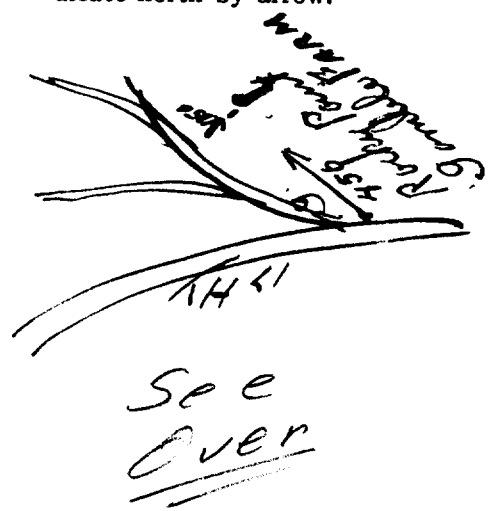
Well Log

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 53* 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

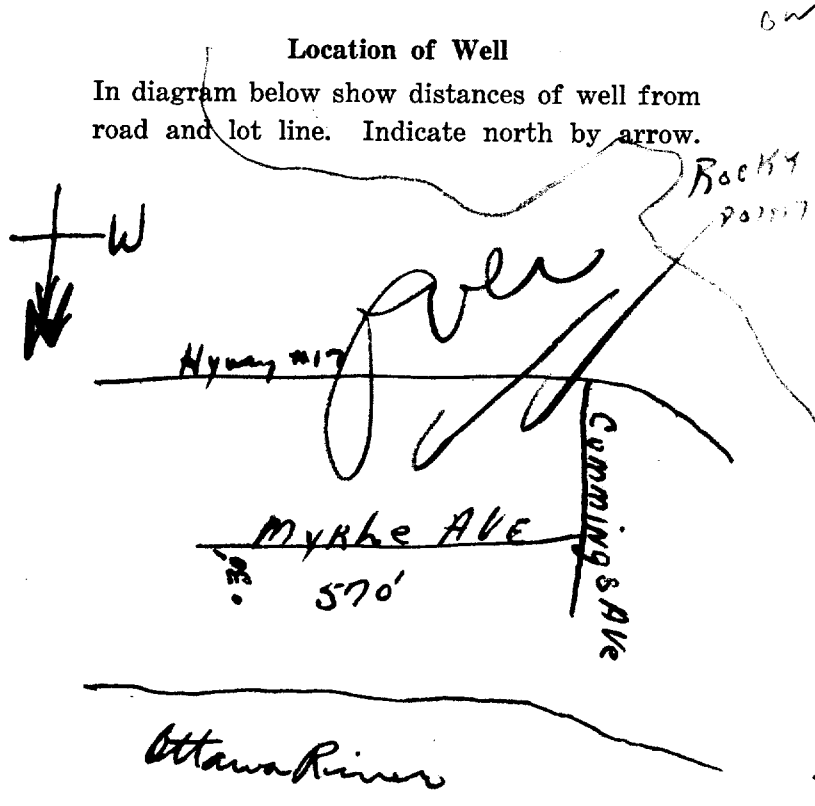
Casing diameter(s) 5" Static level 16 ft
 Length(s) 28' Pumping rate 300 GPH
 Type of screen _____ Pumping level 16 ft
 Length of screen _____ Duration of test 1/2 hr

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 & 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 | 434270 | E

| 5 | R | 5022255 | N

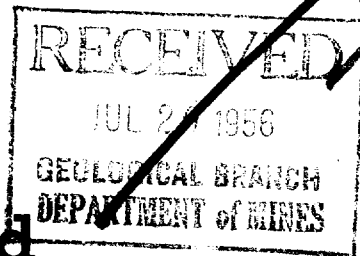
14 Elev. | 4 | R | 02110 |

Basin OTTAWA FRONT

Con I
Lot 12



15 No 3804



The Water-well Drillers Act, 1954
Department of Mines

Water-Well Record

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

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</u>	<u>0</u>	<u>16</u>			
<u>limestone rock</u>	<u>16</u>	<u>50 ft</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

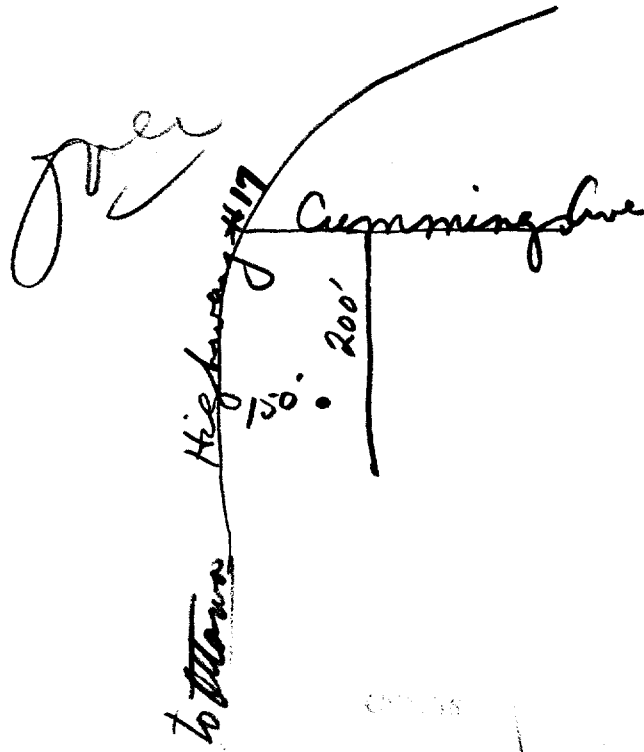
Licence Number 420

I certify that the foregoing statements of fact are true.

Signature of Licensee Ben E Sparks

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
 Con. V O F Lot 12
 Township, Village, Town or City Nepean
 Date completed 5 Aug 1961
 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

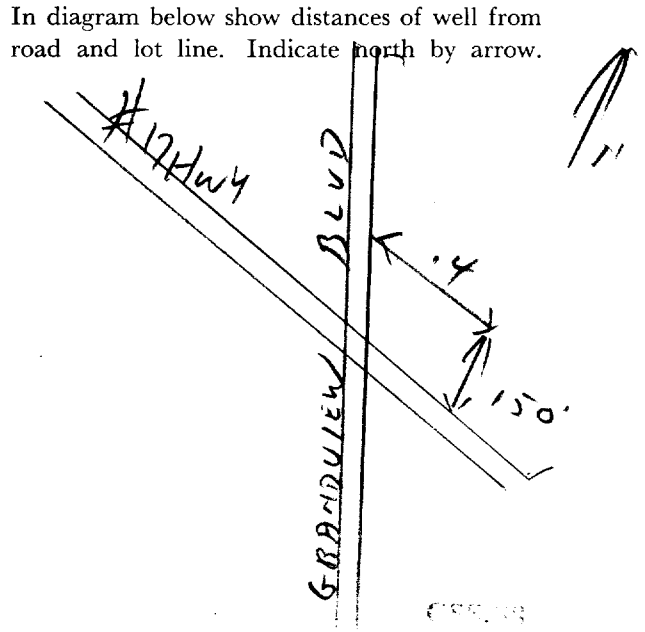
Well Log

Overburden and Bedrock Record
 clay loam
 grey limestone

Well Log		Water Record	
From ft	To ft	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
0	19'		
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





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

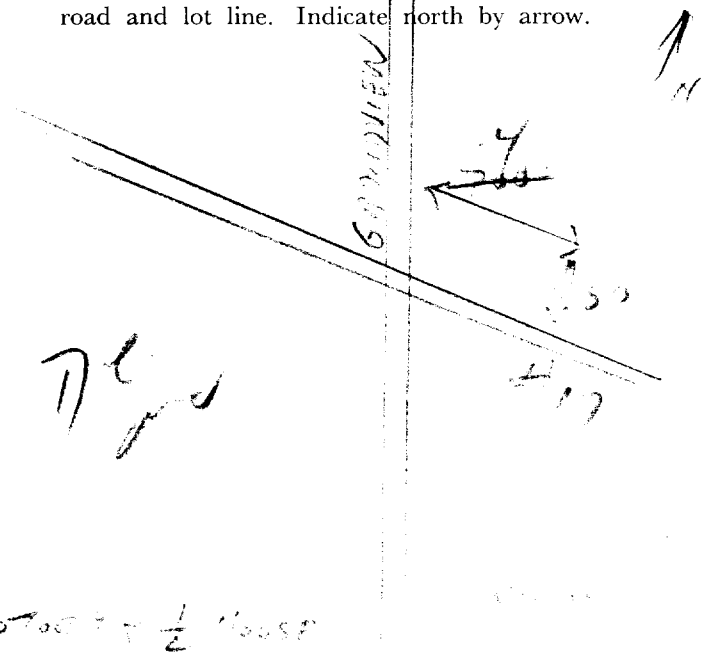
Water Record

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

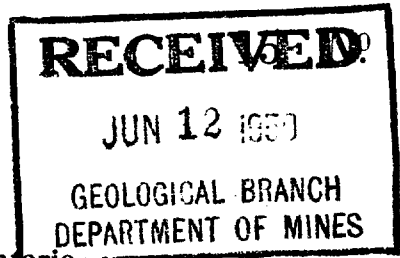
9 R 5102231910 N

Elev. 9 R 02010

Basin 25

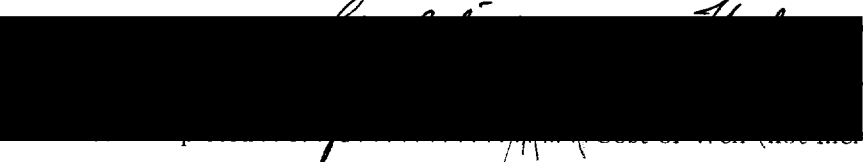


The Well Drillers Act
Department of Mines, Province of Ontario



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"
Length(s) of casing(s) 49'
Length of screen
Type of screen
Type of pump
Capacity of pump
Depth of pump setting

Date April 19
Developed Capacity 600 G.P.H.
Duration of Test 30 MIN
Pumping Rate 600 G.P.H.
Drawdown 4'
Static level of completed well 12'
Is well a gravel-wall type? No

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? 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

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

Well Log

Drift and Bedrock Record

Drift and Bedrock Record	From To	
	O ft.	50 ft.
Gill	0	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. McLeau & Son
Address 185 James St., Ottawa
Recorded by C. M. McLeau
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

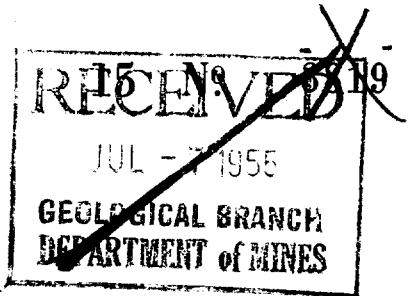
Elev. 9 R 0 2 1 1 0

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 gph
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

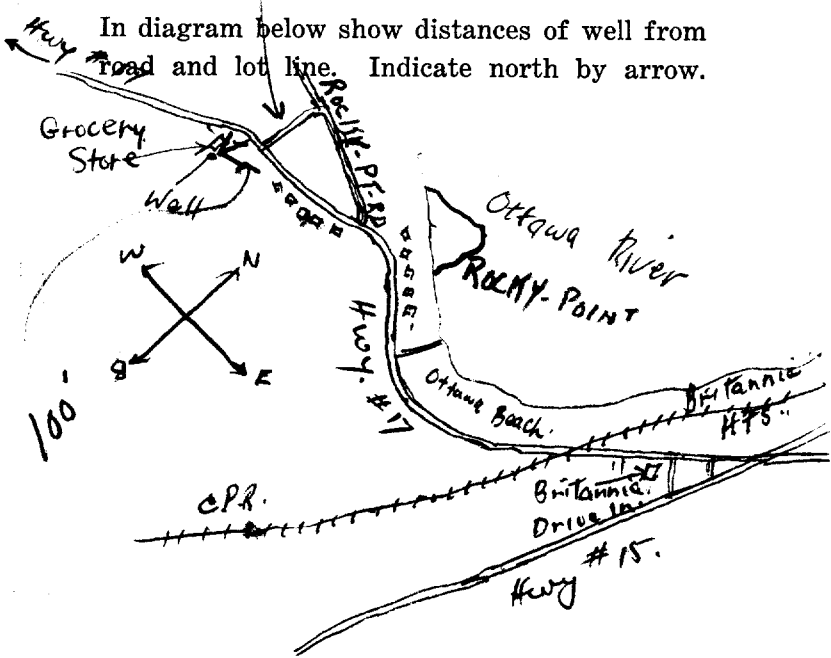
R.R. #1 Ont

Licence Number H. 42

I certify that the foregoing statements of fact are true.

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

Location of Well



also see Over.

UTM 18 434560
 5022300
 Elev. 24R 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

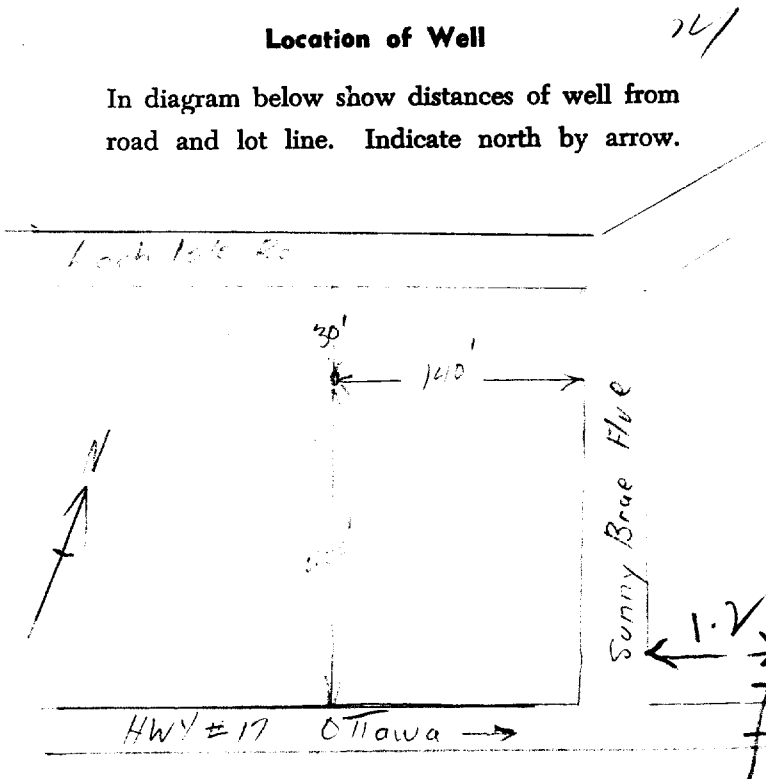
Static level 19'
 Test-pumping rate 6 G.P.M.
 Pumping level 40'
 Duration of test pumping 1 hr
 Water clear or cloudy at end of test cloudy
 Recommended pumping rate 6 G.P.M.
 with pumping level of 40

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)



Plot verified by inspector
 C88888
 BR/MAN/...



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

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

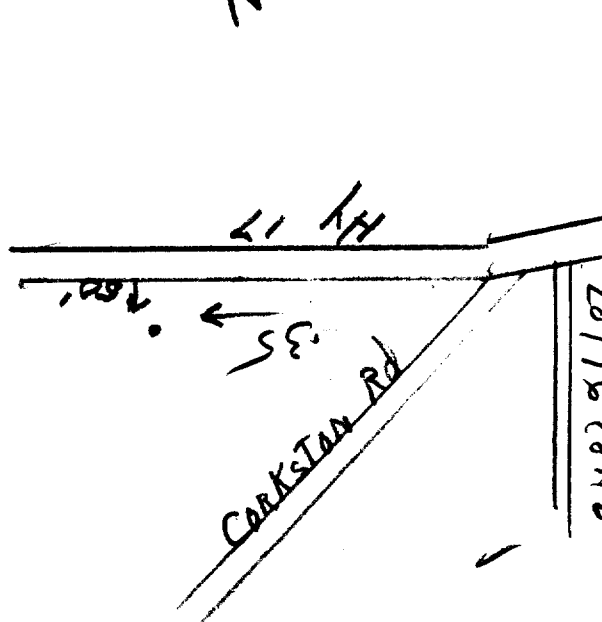
Name of Driller or Borer W. Roy Hull, P. Q.

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
CITIZEN 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

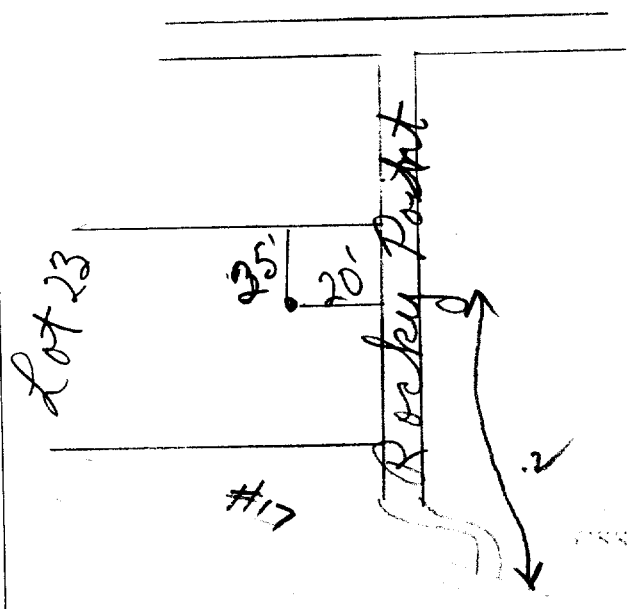
Water Record

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 118 Z 434345 E
9 R 5022190 N
 Elev. 9 R 0210
 Basin 25



3155

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

The Well Drillers Act
 Department of Mines, Province of Ontario

Water Well Record

County or Territorial District Carleton Place Township, Village, Town or City Carleton Place
 Town or City Carleton Place
 Date Completed Mar 25 1951 Cost of well (excluding pump) \$350.00

Pipe and Casing Record

Pumping Test

Casing diameter (s) 4 inches Date Mar 3 1951
 Length(s) of casing (s) 45 ft Static level 22 ft
 Type of screen Pumping level 20 ft
 Length of screen Pumping rate 257 gal. per hr.
 Distance from top of screen to ground level Duration of test 1 hr.
 Is well a gravel-wall type? no Distance from cylinder or bowls to ground level

Water Record

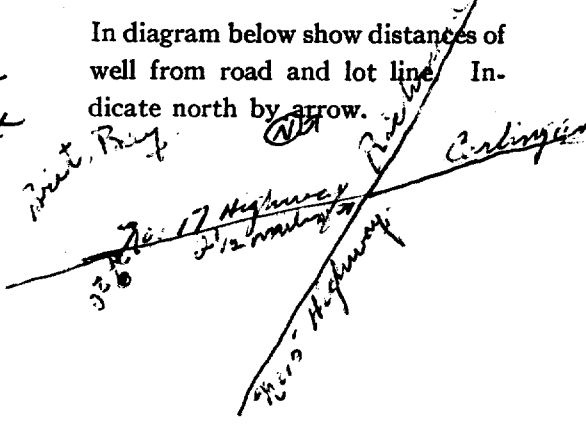
Kind (fresh or mineral) fresh
 Quality (hard, soft, contains iron, sulphur, etc.) hard
 Appearance (clear, cloudy, coloured) clear
 For what purpose(s) is the water to be used? domestic
 How far is well from possible source of contamination? 45 feet
 What is the source of contamination? septic tank
 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
<u>clay</u>	<u>0 ft.</u>	<u>50 ft.</u>
<u>sandstone</u>	<u>51 ft.</u>	<u>59 ft.</u>
<u>limestone</u>	<u>59 ft.</u>	<u>140 ft.</u>

Location of Well



Situation: Is well on upland, in valley, or on hillside? hillside
 Drilling Firm Stewart & MacMillan
 Address Brittonville, Ont.
 Name of Driller Bernard Kelly Address 117 Tupper St.
 Date Mar 25 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

Township, Village, Town or City NEPEAN
Date completed 5 NOV 65
(day month year)

Address OTTAWA

WATER WELL RECORD

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
SAND, GRAVEL - BOULDERS
LIMESTONE

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

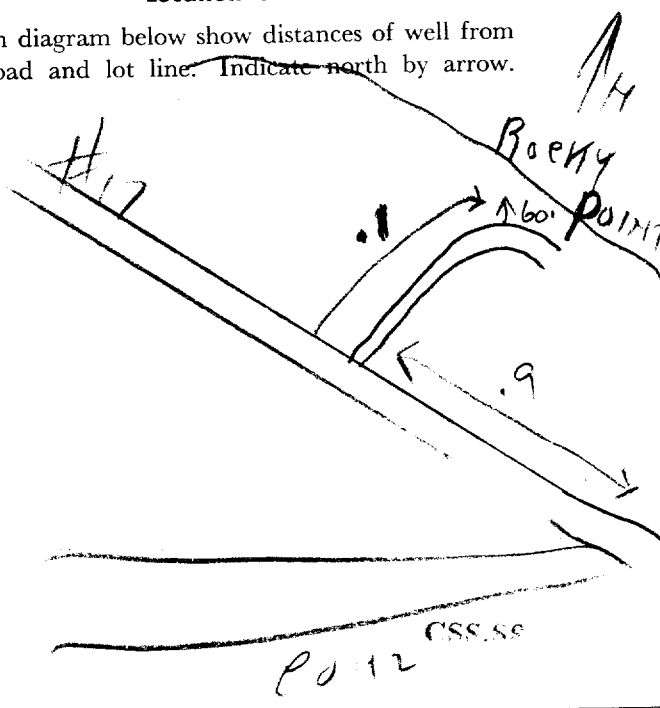
Licence Number 1632

Name of Driller or Borer same

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

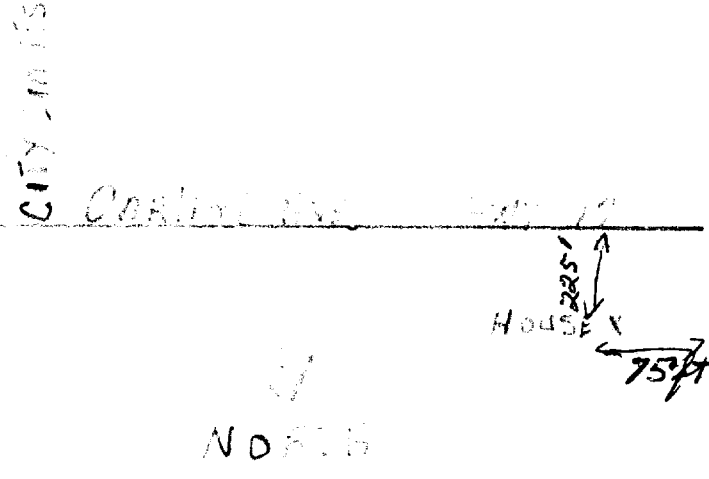
Water Record

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			
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)	
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)	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	
	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? <input type="checkbox"/> Yes <input type="checkbox"/> No	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 type="checkbox"/> Boring <input type="checkbox"/> Air percussion <input checked="" type="checkbox"/> Other, specify D.P.	<input type="checkbox"/> Diamond <input type="checkbox"/> Jetting <input type="checkbox"/> Driving <input type="checkbox"/> Digging <input type="checkbox"/> Public <input type="checkbox"/> Domestic <input type="checkbox"/> Livestock <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input type="checkbox"/> Municipal <input type="checkbox"/> Test Hole <input type="checkbox"/> Cooling & Air Conditioning <input type="checkbox"/> Not used <input type="checkbox"/> Dewatering <input checked="" type="checkbox"/> Monitoring

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		<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				Status of Well	
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)	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		0 to 6.8	8.25

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

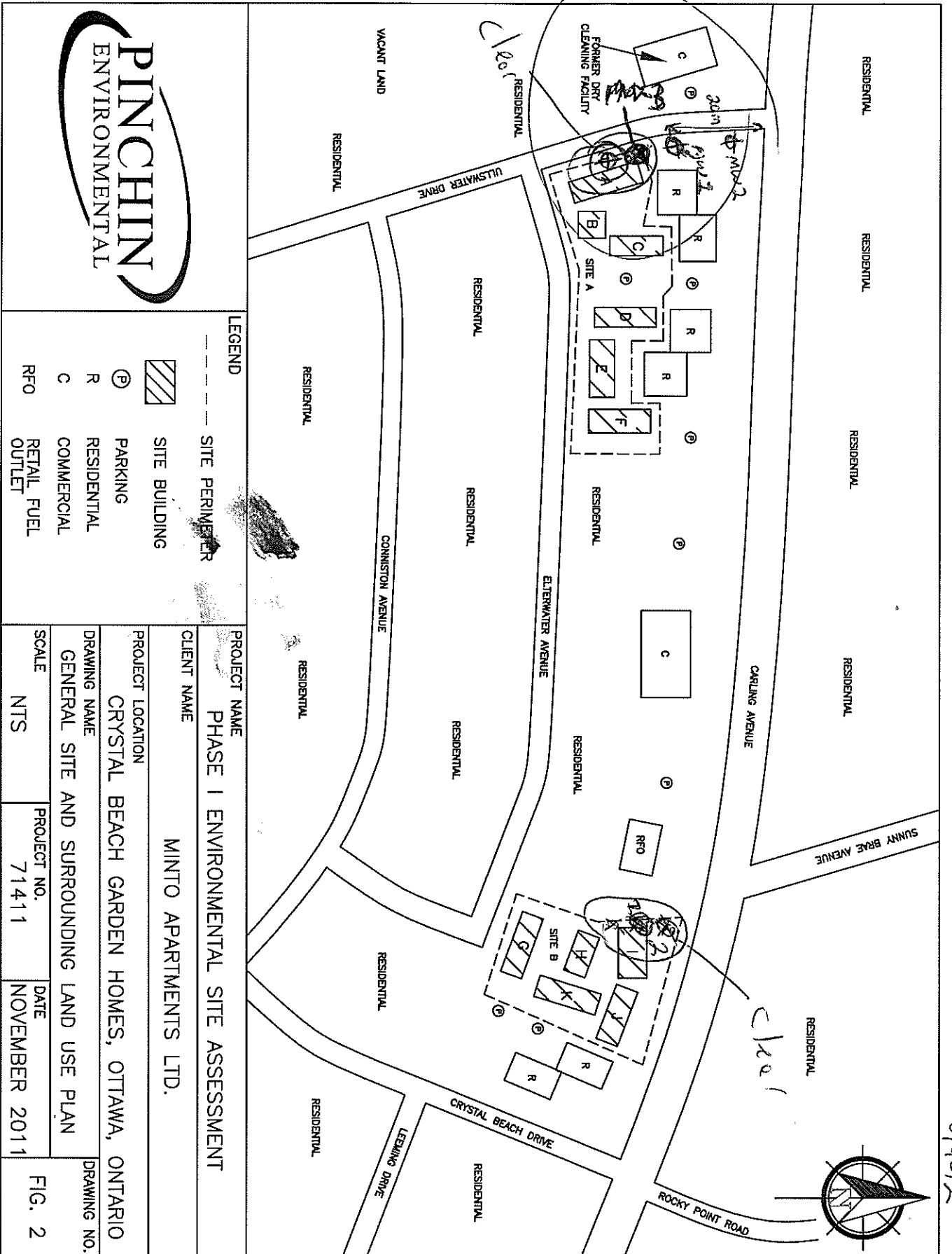
Map of Well Location

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 <input type="checkbox"/> No	YYYYMMDD 2011/12/20	Audit No. Z134432
	Date Work Completed	Received FEB 17 2012

Page 5042
0442



LEGEND

	SITE PERIMETER
	SITE BUILDING
	PARKING
	RESIDENTIAL
	COMMERCIAL
	RETAIL FUEL OUTLET

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

2134430
2134431
2134430
2145342
FEB 17 2012

Well Location

Address of Well Location (Street Number/Name): 233 Elterwater Ave
 Township: [] Lot: [] Concession: []
 County/District/Municipality: [] City/Town/Village: Oshawa
 Province: Ontario Postal Code: [] [] [] [] [] []
 UTM Coordinates: Zone: Easting: Northing: [] [] [] [] [] [] [] [] [] []
 NAD: 83 18 43456 550223914
 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	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) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	3.1	Concrete Flushmount	
3.1	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	
	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	
Recommended pump depth (m/ft)	20		20	
Recommended pump rate (l/min / GPM)	25		25	
Well production (l/min / GPM)	30		30	
Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	40		40	
	50		50	
	60		60	

Method of Construction

Cable Tool Diamond
 Rotary (Conventional) Jetting
 Rotary (Reverse) Driving
 Boring Digging
 Air percussion Industrial
 Other, specify D.P.

Well Use

Public Commercial Not used
 Domestic Municipal Dewatering
 Livestock Test Hole Monitoring
 Irrigation Cooling & Air Conditioning
 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	3.1	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, 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	3.1	6.1

Water Details

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	0	6.1	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: [Signature] 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: Yes No

Date Package Delivered: 2011/12/20

Date Work Completed: 2011/12/20

Ministry Use Only

Audit No.: Z138897
 Received: FEB 17 2012



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: Easting: Northing: _____
 NAD: 83 18 43 42 11 3 50 2 2 2 7 9
 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:	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 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
 Business Address (Street Number/Name): 147-2 W. Beaver creek
 Province: ON Postal Code: L4B1C6 Business E-mail Address: wrecords@strataoil.com
 Well Contractor's Licence No.: 7241
 Municipality: Richmond Hill

Map of Well Location

Please provide a map below following instructions on the back.

See map
MW1

Well Contractor and Well Technician Information

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

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 Silt, Clay, Sand with descriptions like Hard, Dry and Soft, Wet.

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 Concrete/Flush material, Benseal, Sand.

Results of Well Yield Testing table with columns: Draw Down (Time, Water Level), Recovery (Time, Water Level). Includes pumping rate, duration, and final water level.

Method of Construction and Well Use checkboxes. Includes Cable Tool, Rotary, Boring, Air percussion, Diamond, Jetting, Digging, 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.

Construction Record - Screen table with columns: Outside Diameter (cm/in), Material, Slot No., Depth (m/ft) From, To.

Water Details and Hole Diameter table. Includes Water found at Depth, Kind of Water, and Hole Diameter (Depth, Diameter).

Well Contractor and Well Technician Information. Includes Business Name (Strata Soil Sampling), Address (147-2W. Beaver Creek), and Technician Name (Benth Brian).

Map of Well Location section. Includes a map area with handwritten text 'See Map MW 2' and a '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 Zone Easting Northing Municipal Plan and Sublot Number Other

NAD 83 | 18 | 434215 | 5022281

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 Permeable Bentonite	
1.5	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 _____ 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	3.68	0	1.5	<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 _____

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

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 8.25

Well Contractor and Well Technician Information

Business Name of Well Contractor **Strata 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@stratasoil.com**

Bus. Telephone No. (inc. area code) **905-704-9304** Name of Well Technician (Last Name, First Name) **Maize, Mike**

Well Technician's Licence No. **3448** Signature of Technician and/or Contractor *[Signature]* Date Submitted **2011/20/20**

Map of Well Location

Please provide a map below following instructions on the back.

See Map MW3

Comments:

Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered 2011/22	Ministry Use Only
Date Work Completed 2011/22	Audit No. Z145342	
		FEB 17 2012



S-13 T03

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 (m³/ft³)
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) 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 _____
 Other, specify Direct Push

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	
		Depth (m/ft) From	Depth (m/ft) To
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	0	5.49
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____		30.48
	<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

Well owner's information package delivered Yes No

Date Package Delivered Y Y Y Y M M D D
Date Work Completed 2013 02 26

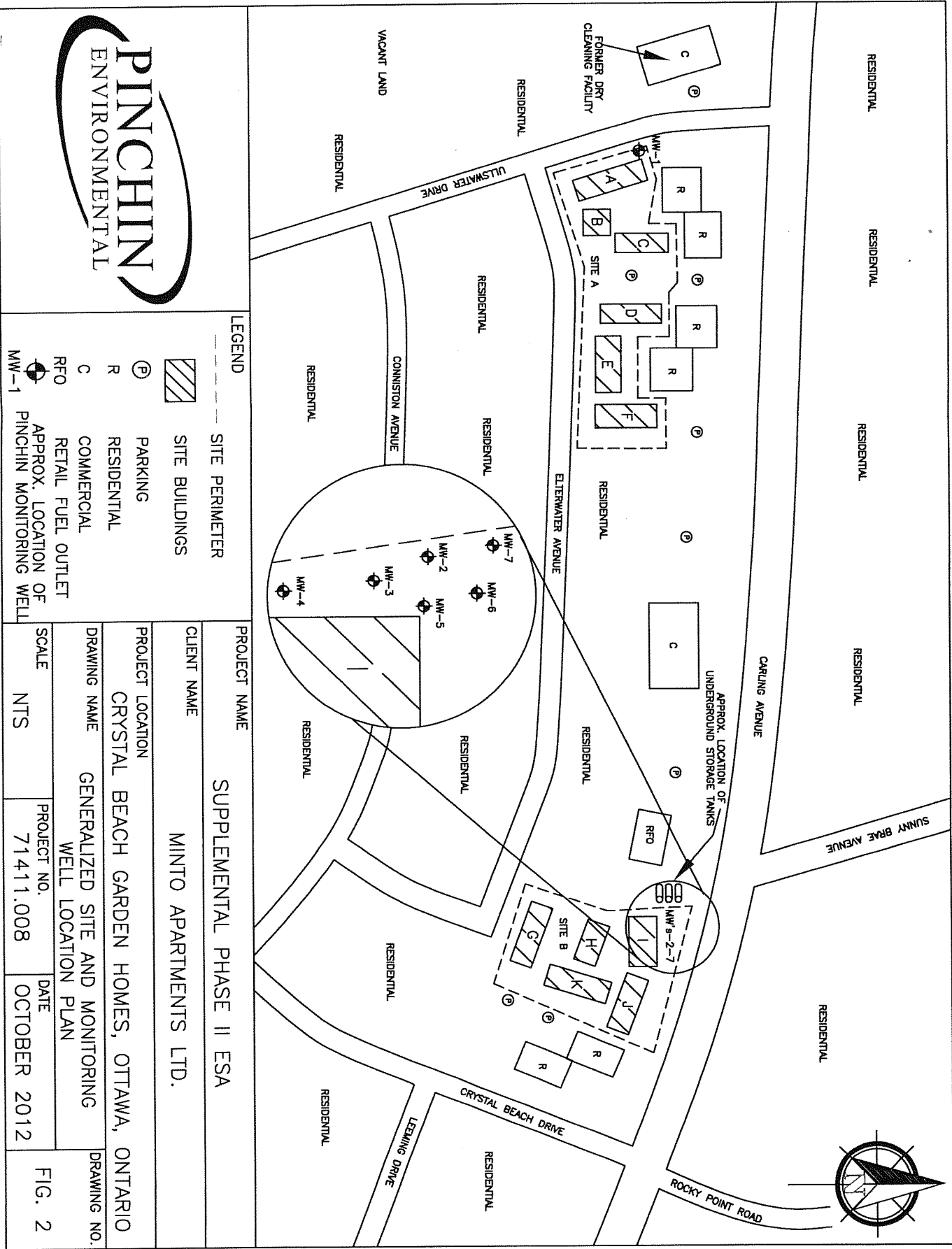
Ministry Use Only

Audit No. Z 164316
MAD 9 11 9912

S-13405

MAR 20 2013

C-7241 2164316





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 18 Easting 434589 Northing 5022407 Municipal Plan and Sublot Number _____ Other _____

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)				
General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From To
BRN	top soil		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 ³ /ft ³)
0 .31	flush mount concrete	
.31 2.13	ben tonite	
2.13 5.49	other sand	

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

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
12.65	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

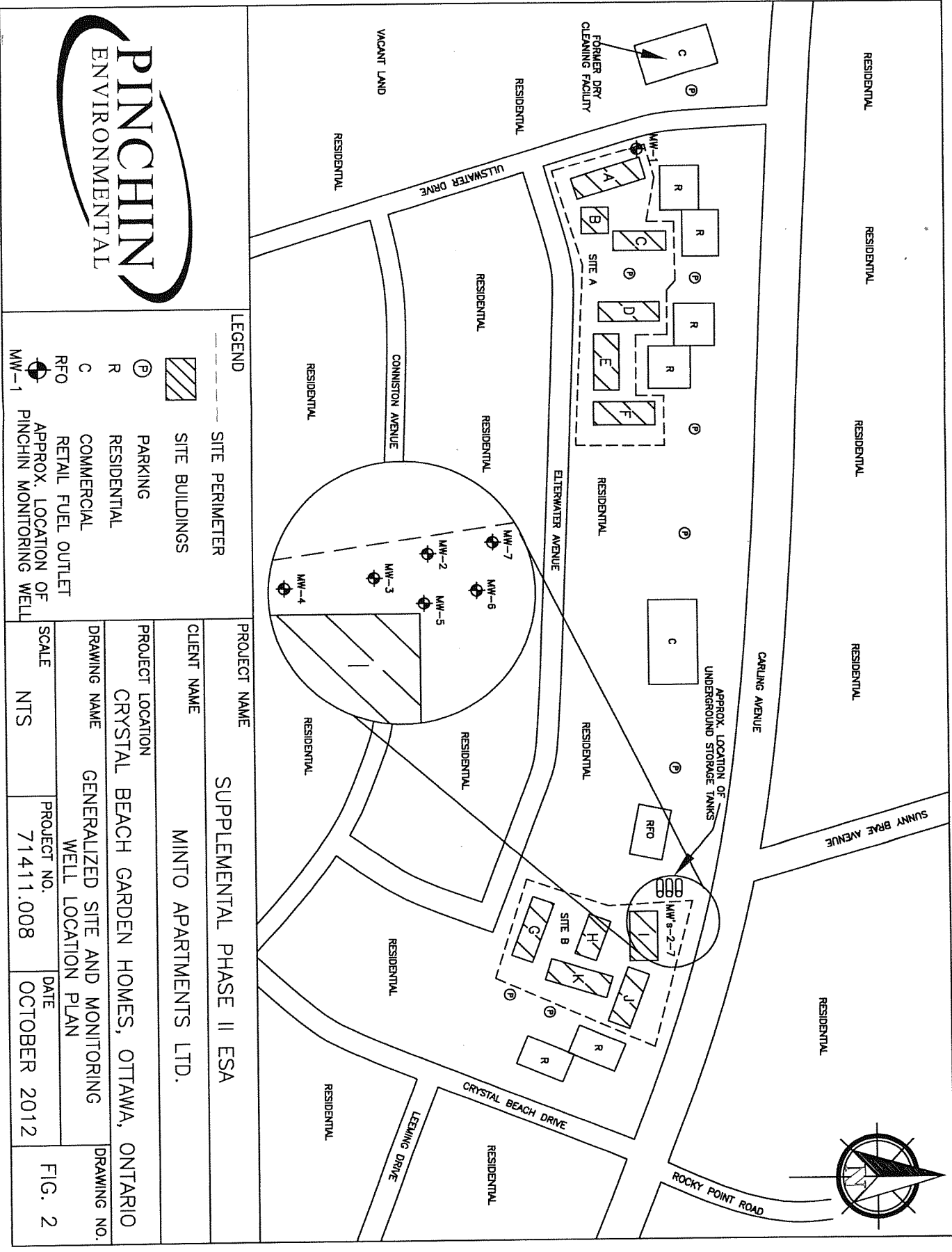
Well Contractor and Well Technician Information			
Business Name of Well Contractor <u>Strata Soil Sampling Inc.</u>		Well Contractor's Licence No. <u>7 2 4 1</u>	
Business Address (Street Number/Name) <u>147-2 West Beaver Creek Road</u>		Municipality <u>Richmond Hill</u>	
Province <u>Ontario</u>	Postal 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>	

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.
<u>MW-5</u> <u>see Map</u>

Ministry Use Only	
Audit No. Z 164460	Received MAR 20 2013
Well owner's information package delivered <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date Package Delivered <u>20130226</u>
Date Work Completed <u>20130226</u>	

S-15403



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

C-7241 2164468

MAR 20 2013

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: 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
<i>Brown</i>	<i>topsoil</i>	<i>clay</i>	<i>soft</i>	<i>0</i>	<i>2.13</i>
<i>Grey</i>	<i>Clay</i>	<i>silt</i>	<i>soft</i>	<i>2.13</i>	<i>6.1</i>

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

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)		<i>1</i>		<i>1</i>	
Pumping rate (l/min / GPM)		<i>2</i>		<i>2</i>	
Duration of pumping _____ hrs + _____ min		<i>3</i>		<i>3</i>	
Final water level end of pumping (m/ft)		<i>4</i>		<i>4</i>	
If flowing give rate (l/min / GPM)		<i>5</i>		<i>5</i>	
Recommended pump depth (m/ft)		<i>10</i>		<i>10</i>	
Recommended pump rate (l/min / GPM)		<i>15</i>		<i>15</i>	
Well production (l/min / GPM)		<i>20</i>		<i>20</i>	
Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No		<i>25</i>		<i>25</i>	
		<i>30</i>		<i>30</i>	
		<i>40</i>		<i>40</i>	
		<i>50</i>		<i>50</i>	
		<i>60</i>		<i>60</i>	

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 checked="" type="checkbox"/> Direct Push	<input type="checkbox"/> Industrial	<input type="checkbox"/> Cooling & Air Conditioning
<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	
<i>4.03</i>	<i>plastic</i>	<i>368</i>	<i>0</i>	<i>3.1</i>	

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

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

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**

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: *[Signature]* 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: Yes No

Date Package Delivered: **20130327**

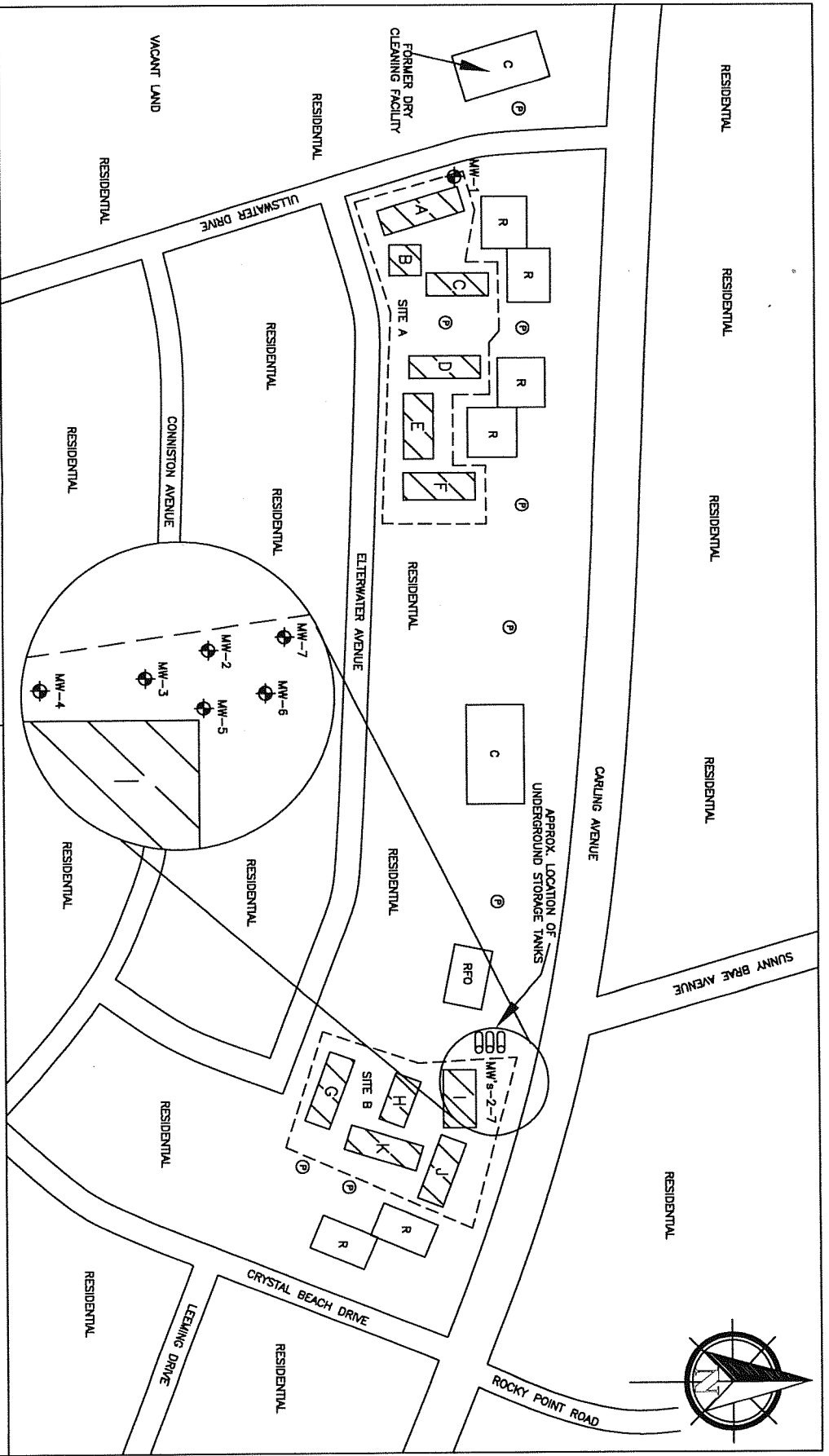
Date Work Completed: **20130327**

Ministry Use Only

Audit No.: **Z164463**

Received: **MAR 26 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

Page _____ of _____

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	Municipal Plan and Sublot Number
NAD	83	1843458	35022409	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			From	To
Brown	Topsoil	clay	soft	0	2.13

Annular Space			
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)	
From	To		
0	.31	Flushed / sand	
.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)	Static Level			
	1		1	
	2		2	
	3		3	
	4		4	
	5		5	
Pumping rate (l/min / GPM)	10		10	
Duration of pumping ____ hrs + ____ min	15		15	
Final water level end of pumping (m/ft)	20		20	
If flowing give rate (l/min / GPM)	25		25	
Recommended pump depth (m/ft)	30		30	
Recommended pump rate (l/min / GPM)	40		40	
Well production (l/min / GPM)	50		50	
Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	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 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 checked="" type="checkbox"/> Direct Push	<input type="checkbox"/> Industrial	<input type="checkbox"/> Monitoring
<input type="checkbox"/> Other, specify _____		<input type="checkbox"/> Other, specify _____	

Construction Record - Casing			Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)	
			From	To
4.03	plastic	368	0	2.44

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	plastic	10	2.44	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)	Diameter (cm/in)
From	To	From	To
0	5.49	8.25	

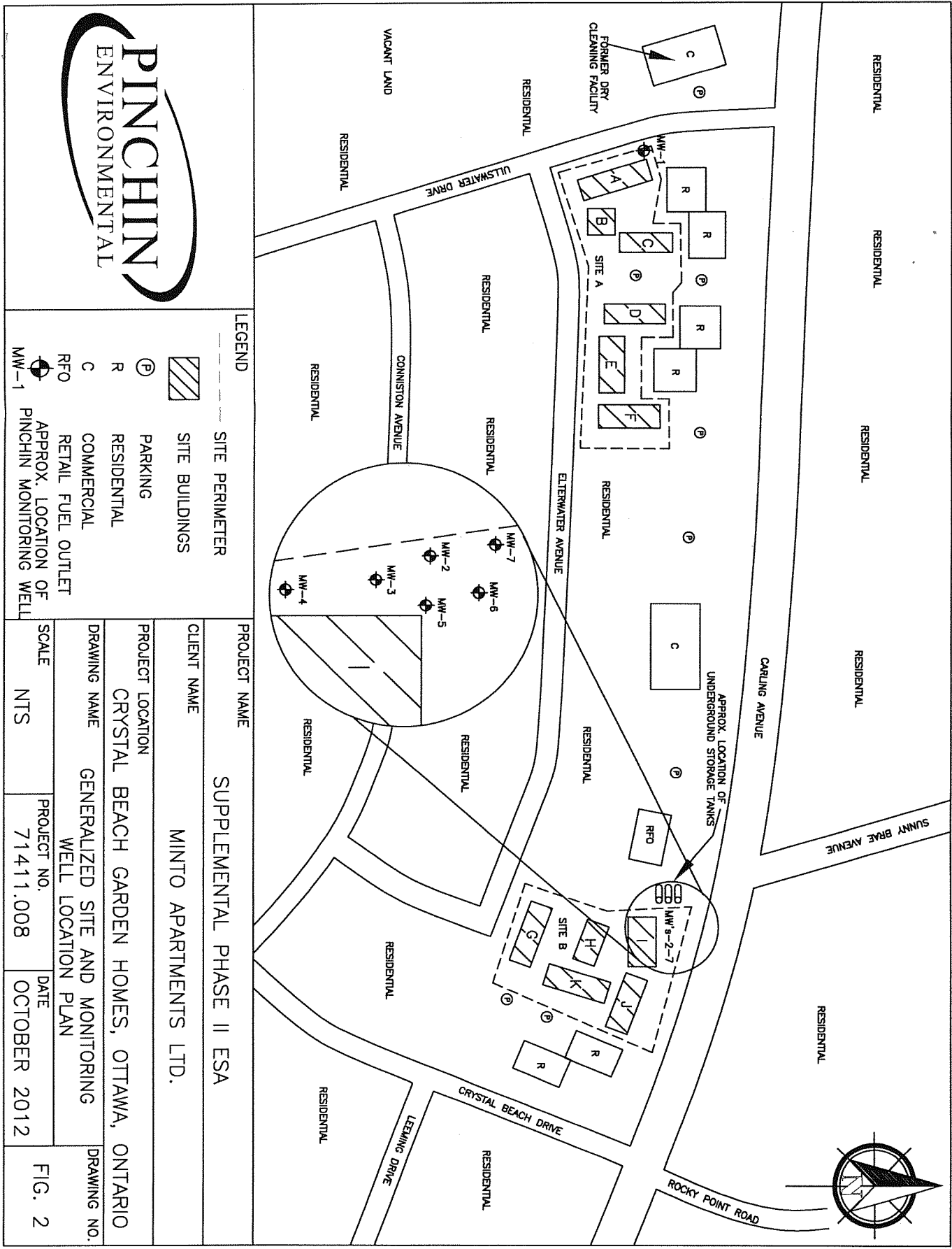
Well Contractor and Well Technician Information	
Business Name of Well Contractor Strata Soil Sampling Inc.	Well Contractor's Licence No. 7 2 4 1
Business Address (Street Number/Name) 147-2 West Beaver Creek Road	Municipality Richmond Hill
Province Ontario	Postal Code L4B 1C6
Business E-mail Address wrecords@stratasoil.com	

Bus. Telephone No. (inc. area code) 905-764-9304	Name of Well Technician (Last Name, First Name) Passes ROBERT
Well Technician's Licence No. 3 7 2 2	Signature of Technician and/or Contractor <i>[Signature]</i>
Date Submitted 2013 03 15	

Map of Well Location	
Please provide a map below following instructions on the back.	
<p style="font-size: 2em; margin: 0;">wells marked on map</p>	
Comments:	

Ministry Use Only	
Well owner's information package delivered <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date Package Delivered 2013 02 27
Audit No. Z 164424	Date Work Completed 2013 02 27
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 Northing Municipal Plan and Sublot Number Other

NAD 83 18 434 5835022406

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)	Type of Sealant Used (Material and Type)	Volume Placed (m ³ /ft ³)
0 - 31	concrete/flush mouth	
.31 - 2.13	bentonite	
2.13 - 5.49	filter sand	

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 _____

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? <input type="checkbox"/> Yes <input type="checkbox"/> No	50		50	
	60		60	

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	2.49	<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

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 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

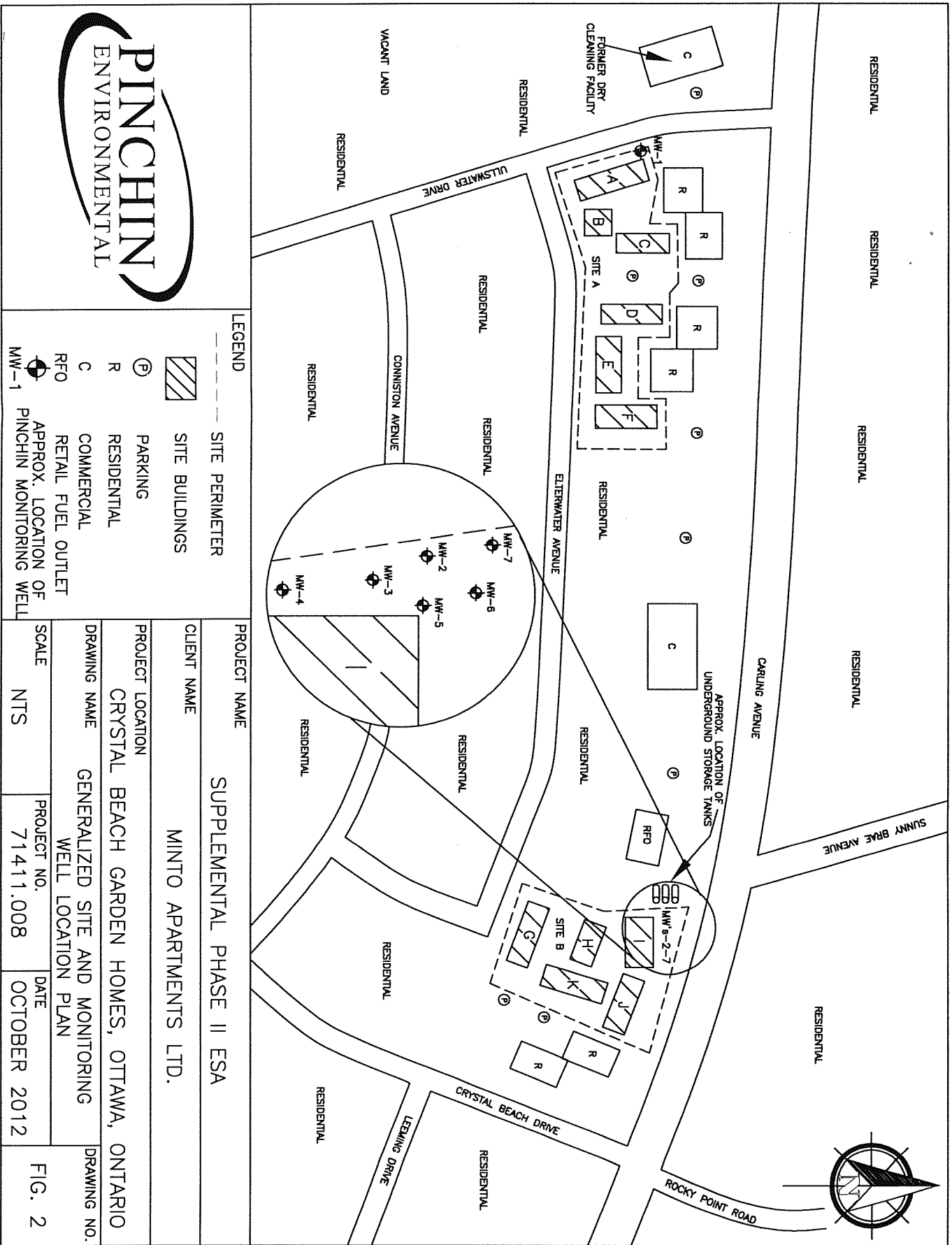
Please provide a map below following instructions on the back.

MWT
See Map

Comments: _____

Well owner's information package delivered <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date Package Delivered <u>Y Y Y Y M M D D</u> Date Work Completed <u>2013 02 29</u>	Ministry Use Only Audit No. <u>Z 164457</u> <u>MAR 20 2013</u>
--	--	---

S-13703



C-7241 2164457



Tag#: A146633
A146633

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 Municipal Plan and Sublot Number Other

NAD 83 **18 43 45 30 50 22 40 3**

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)	(m ³ /ft ³)
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:	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	2.25

Well Contractor and Well Technician Information

Business Name of Well Contractor: **Stata 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@stata-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 <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered: Y Y Y Y M M D D 20130527	Ministry Use Only Audit No. Z 168615 Rev. 05 2013
Date Work Completed	20130527	

5-14138



LEGEND

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

5/1989/12
 11/28/12
 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



A146648

5-1130

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 43 4 5 7 7 5 0 2 2 3 9 4**

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 ³ /ft ³)
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



geoOttawa - Mozilla Firefox

hp
geoOttawa
x
+
Enter address, street, intersection or place
hp

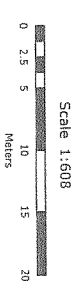
CARLING AVENUE

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 2168614
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 Easting Northing Municipal Plan and Sublot Number Other
 NAD 83 18 43 4592 5022386

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
GRY	Silt	Clay	SOFT, 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 / Flushmant	
.31	1.22 bentonite	
1.22	4.57 Sand	

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	
4.83	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
4.83	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

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@stratajoi.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: 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				

Map of Well Location

Please provide a map below following instructions on the back.

MW 1 on Map

Well owner's information package delivered: Yes No

Date Package Delivered: 20130528

Date Work Completed: _____

Ministry Use Only







Audit No.: Z 168613

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

C-7241/148613
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

5-14-13 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	Sand 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)		Status of Well
			From	To	
4.82	Plastic	10	1.22	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) From	Hole Diameter Depth (m/ft) To	Hole Diameter (cm/in)
		0	4.57	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: L4B1C6 Business E-mail Address: wrecords@strata-soul.com
 Bus. Telephone No. (inc. area code): 9057641304 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>	Ministry Use Only Audit No.: <u>Z168617</u> Recd: <u>JUL 05 2013</u>
Date Work Completed: <u>20130528</u>		



5-14138

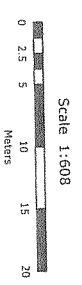
LEGEND

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

JUL 05 2013

C-724
1127-1
21686/A

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	

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

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@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**

Results of Well Yield Testing

After test of well yield, water was:

Clear and sand free

Other, specify _____

If pumping discontinued, give reason:

Static Level	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
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	

Pump intake set at (m/ft) _____

Pumping rate (l/min / GPM) _____

Duration of pumping _____ hrs + _____ min

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

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

Recommended pump depth (m/ft) _____

Recommended pump rate (l/min / GPM) _____

Well production (l/min / GPM) _____

Disinfected? Yes No

Map of Well Location

Please provide a map below following instructions on the back.

Mk 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

Scale 1:608

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

Figure 1 - Site Layout

117241
2168616

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), County/District/Municipality (Ottawa Carleton), UTM Coordinates (NAD 83 18 405606 5008402)

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: Draw Down (Time, Water Level), Recovery (Time, Water Level)

Method of Construction and Well Use checkboxes (Cable Tool, Rotary, Boring, etc.)

Construction Record - Casing and Status of Well checkboxes (Water Supply, Replacement Well, etc.)

Construction Record - Screen table with columns: Outside Diameter, Material, Slot No., Depth (m/ft)

Water Details and Hole Diameter tables

Well Contractor and Well Technician Information (Capital Water Supply Ltd., Stephen Miller)

Map of Well Location with handwritten sketch of Loch Isle Rd. and well location #40

Well owner's information package delivered (Yes/No), Date Package Delivered, Date Work Completed

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
----------------------	------

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
----------------	----------------------	-----------------	---------------------	------------	----------

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
----------------------	------

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
-----------------	-----------------------	------------	----------

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

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: 434587.00 Northing: 5022421.00
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	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
----------------------	------

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
----------------------	------

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
----------------	----------------------	-----------------	---------------------	------------	----------

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
Depth

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
Depth

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

Mandy Witteman

From: Public Information Services <publicinformationservices@tssa.org>
Sent: December 12, 2022 7:49 AM
To: Mandy Witteman
Subject: RE: Search records Request (PE5853)

Please refrain from sending documents to head office. The Public Information (PI) team works remotely, mailing in applications will lengthen the overall processing time.

RECORD FOUND IN CURRENT DATABASE

Hello,

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

- We confirm that there are records in our current database of fuel storage tanks at the subject address(es).

Inventory Number	Address	City	Province	Postal Code	Status	Asset Type / Inventory Item
10143414	3420 CARLING AV	NEPEAN	ON	K2H 5B1	Active	FS GASOLINE STATION - SELF SERVE
11448385	3420 CARLING AV	NEPEAN	ON	K2H 5B1	Active	FS LIQUID FUEL TANK
11448412	3420 CARLING AV	NEPEAN	ON	K2H 5B1	Active	FS LIQUID FUEL TANK
11448430	3420 CARLING AV	NEPEAN	ON	K2H 5B1	Active	FS LIQUID FUEL TANK
11448447	3420 CARLING AV	NEPEAN	ON	K2H 5B1	Active	FS LIQUID FUEL TANK
25249424	3420 CARLING AV	NEPEAN	ON	K2H 5B1	Active	FS CYLINDER EXCHANGE

This is not a confirmation that there are no records in the archives. For a further search in our archives, please submit an application for release of public information (PI Form) through TSSA's new Service Prepayment Portal. The associated fee must be paid via credit card (Visa or MasterCard) through a secure site.

Please follow the steps below to access the new application(s) and Service Prepayment Portal:

1. Click Release of Public Information - TSSA and click "need a copy of a document";
2. Select the appropriate application, download it and complete it in full; and
3. Proceed to page 3 of the application and click the link TSSA Service Prepayment Portal under payment options (the link will take you the secure site to pay for the release via credit card).

Accessing the Service Prepayment Portal:

1. Select new or existing customer (*if you are an existing customer, you will need your account # & postal code to access your account);
2. Select the program area: AD (Amusement Devices), BPV (Boilers and Pressure Vessels), ED (Elevating Devices), FS (Fuels Services), OE (Operating Engineers) or SKI (Ski Lifts) and click continue;

3. Enter the application form number (obtained from bottom left corner of application form) and click continue;
 - a. When selecting the application form number from the drop-down menu, please make sure you select the application that begins with "PI" (i.e. PI-FS, PI-BPV etc.);
4. Complete the primary contact information section;
5. Complete the fees section;
6. Upload your completed application; and
7. Upload supporting documents (if required) and click continue.

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

Questions? Please contact TSSA's Public Information Release team at publicinformationservices@tssa.org.

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Kind Regards,
Kim



Public Information Agent

Facilities and Business Services

345 Carlingview Drive

Toronto, Ontario M9W 6N9

Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: publicinformationservices@tssa.org

www.tssa.org



From: Mandy Witteman <MWitteman@patersongroup.ca>

Sent: December 9, 2022 3:41 PM

To: Public Information Services <publicinformationservices@tssa.org>

Subject: Search records Request (PE5853)

[CAUTION]: This email originated outside the organisation.

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

Good afternoon,

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

Carling Ave: 3430, 3420, 3383, 3381, 3379, 3375, 3395, 3440

Ulls Water Dr.: 1

Crystal Beach Drive: 2

Thank you

Kind regards,

Mandy (*she/her*)



MANDY WITTEMAN, B.Eng., M.A.Sc., P.Eng.

ENVIRONMENTAL ENGINEER

TEL: (613) 226-7381 ext. 339

DIRECT: (613) 800-5575

9 AURIGA DRIVE

OTTAWA ON K2E 7T9

patersongroup.ca

TEMPORARY SHORING DESIGN SERVICES ARE NOW AVAILABLE, PLEASE CONTACT US TO SEE HOW WE CAN HELP!

This electronic message and any attached documents are intended only for the named recipients. This communication from the Technical Standards and Safety Authority may contain information that is privileged, confidential or otherwise protected from disclosure and it must not be disclosed, copied, forwarded or distributed without authorization. If you have received this message in error, please notify the sender immediately and delete the original message.



PATERSON GROUP

December 6, 2022
File: PE5853-HLUI

City of Ottawa
110 Laurier Avenue W
Ottawa, Ontario
K1P 1J1

Consulting Engineers
7 Auriga Drive
Ottawa, Ontario
K2E 7T9
Tel: (613) 226-7381

Geotechnical Engineering
Environmental Engineering
Hydrogeology
Materials Testing
Building Science
Rural Development Design
Retaining Wall Design
Noise and Vibration Studies

**Subject: Authorization Letter, HLUI Search
Phase I-Environmental Site Assessment Update
3430 Carling Avenue
Ottawa, ON** patersongroup.ca

Dear Sir/Madame

Please consider this letter as confirmation that Paterson Group has been retained to conduct a Phase I-Environmental Site Assessment at the aforementioned property.

With this letter, the property owner authorizes the City of Ottawa and other regulatory bodies to release, to Paterson Group, information requested for the purpose of completing an environmental assessment of the property.

Name of Company/Property Owner:

GIORGIO DIFRANCO

Name of Representative:

Signature:

Giorgio Di Franco

Date:

DEC 9, 2022



DATABASE REPORT

Project Property: *PE5853 - 3430 Carling Avenue
PE5853 - 3430 Carling Avenue
Nepean ON K2H 5J1*

Project No: *56388*

Report Type: *Standard Report*

Order No: *22120601094*

Requested by: *Paterson Group Inc.*

Date Completed: *December 7, 2022*

Table of Contents

Table of Contents.....	2
Executive Summary.....	3
Executive Summary: Report Summary.....	4
Executive Summary: Site Report Summary - Project Property.....	6
Executive Summary: Site Report Summary - Surrounding Properties.....	7
Executive Summary: Summary By Data Source.....	14
Map.....	25
Aerial.....	26
Topographic Map.....	27
Detail Report.....	28
Unplottable Summary.....	161
Unplottable Report.....	163
Appendix: Database Descriptions.....	192
Definitions.....	201

Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a database review of environmental records.

License for use of information in Report: No page of this report can be used without this cover page, this notice and the project property identifier. The information in Report(s) may not be modified or re-sold.

Your Liability for misuse: Using this Service and/or its reports in a manner contrary to this Notice or your agreement will be in breach of copyright and contract and ERIS may obtain damages for such mis-use, including damages caused to third parties, and gives ERIS the right to terminate your account, rescind your license to any previous reports and to bar you from future use of the Service.

No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Limited Partnership ("ERIS") using various sources of information, including information provided by Federal and Provincial government departments. The report applies only to the address and up to the date specified on the cover of this report, and any alterations or deviation from this description will require a new report. This report and the data contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein and does not constitute a legal opinion nor medical advice. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

Trademark and Copyright: You may not use the ERIS trademarks or attribute any work to ERIS other than as outlined above. This Service and Report (s) are protected by copyright owned by ERIS Information Limited Partnership. Copyright in data used in the Service or Report(s) (the "Data") is owned by ERIS or its licensors. The Service, Report(s) and Data may not be copied or reproduced in whole or in any substantial part without prior written consent of ERIS.

Executive Summary

Property Information:

Project Property: PE5853 - 3430 Carling Avenue
PE5853 - 3430 Carling Avenue Nepean ON K2H 5J1

Project No: 56388

Coordinates:

Latitude: 45.3520737
Longitude: -75.8368681
UTM Northing: 5,022,403.14
UTM Easting: 434,447.21
UTM Zone: 18T

Elevation: 210 FT
63.88 M

Order Information:

Order No: 22120601094
Date Requested: December 6, 2022
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 & 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	11	11
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	2	8	10
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries & 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	8	8
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
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
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 & Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense & Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence & 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
OGW	<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	0	36	36
Total:			2	91	93

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>
1	EHS		PE4556 -3430 Carling Ave Ottawa ON K2H 5J1	NE/0.6	0.00	28
1	EHS		PE4556 -3430 Carling Ave Ottawa ON K2H 5J1	NE/0.6	0.00	28

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	WWIS		lot 12 con 1 ON Well ID: 1503798	NNE/47.6	0.03	28
3	BORE		ON	NNE/47.8	0.03	32
4	WWIS		lot 12 con 1 ON Well ID: 1503799	NE/49.7	0.03	33
5	WWIS		3420 CARLING AVE Ottawa ON Well ID: 7204222	E/70.4	0.00	36
6	WWIS		lot 12 con 1 ON Well ID: 1503829	W/72.2	0.00	39
7	WWIS		lot 12 con 1 ON Well ID: 1503800	WSW/82.7	-0.03	42
8	RST	MACEWEN PETROLEUM INC	3420 CARLING AVE NEPEAN ON K2H 5B1	E/85.1	0.00	45
8	FSTH	RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN ON K2H 5B1	E/85.1	0.00	46
8	FSTH	RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN ON K2H 5B1	E/85.1	0.00	46
8	FST	RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN K2H 5B1 ON CA ON	E/85.1	0.00	47
8	FST	RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN K2H 5B1 ON CA ON	E/85.1	0.00	47
8	FST	RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN K2H 5B1 ON CA ON	E/85.1	0.00	48

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
8	FST	RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN K2H 5B1 ON CA ON	E/85.1	0.00	48
8	RST	MACEWEN PETROLEUM INC	3420 CARLING AVE NEPEAN ON K2H5B1	E/85.1	0.00	49
8	GEN	Ralph & Son`s Diner Ltd.	3420 Carling Ave Ottawa ON	E/85.1	0.00	49
8	GEN	Ralph & Son`s Diner Ltd.	3420 Carling Ave Ottawa ON K2H5B1	E/85.1	0.00	49
8	SPL		3420 Carling Ave, Nepean Ottawa ON	E/85.1	0.00	50
8	INC	RALPH & SONS DINER LTD	3420 CARLING AV,,NEPEAN,ON,K2H 5B1,CA ON	E/85.1	0.00	50
8	INC	RALPH & SONS DINER LTD	3420 CARLING AV,,NEPEAN,ON,K2H 5B1,CA ON	E/85.1	0.00	51
8	DTNK		3420 CARLING AV NEPEAN ON K2H 5B1	E/85.1	0.00	51
9	WWIS		3420 CARLING AVE Ottawa ON Well ID: 7204224	E/101.5	0.00	52
10	WWIS		3420 CARLING AVE Ottawa ON Well ID: 7204293	E/121.1	1.08	55
11	PRT	TOP VALU GAS BAR	3410 CARLING AV NEPEAN ON K2H5B1	E/122.9	-0.09	58
11	PRT	C CORP (ONTARIO) INC ATTN ACCOUNTS PAYABLE	3410 CARLING AV STATION 7013 OTTAWA ON	E/122.9	-0.09	58
11	DTNK	MAC'S CONVENIENCE STORES INC**	3410 CARLING AVE STATION 7013 NEPEAN ON K2H 5B1	E/122.9	-0.09	59

<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>
11	DTNK	TOP VALU GAS BAR BOB MITCHELL	3410 CARLING AV NEPEAN ON	E/122.9	-0.09	59
11	DTNK	MAC'S CONVENIENCE STORES INC**	3410 CARLING AVE STATION 7013 NEPEAN ON	E/122.9	-0.09	60
11	DTNK	MAC'S CONVENIENCE STORES INC**	3410 CARLING AVE STATION 7013 NEPEAN ON	E/122.9	-0.09	60
11	DTNK	MAC'S CONVENIENCE STORES INC**	3410 CARLING AVE STATION 7013 NEPEAN ON	E/122.9	-0.09	61
11	DTNK	MAC'S CONVENIENCE STORES INC**	3410 CARLING AVE STATION 7013 NEPEAN ON	E/122.9	-0.09	62
11	DTNK	MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E/122.9	-0.09	62
11	DTNK	MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E/122.9	-0.09	63
11	DTNK	MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E/122.9	-0.09	64
11	DTNK	MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E/122.9	-0.09	64
11	FST	MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E/122.9	-0.09	65
11	FST	MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E/122.9	-0.09	65
11	FST	MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E/122.9	-0.09	66

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
11	FST	MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E/122.9	-0.09	66
12	WWIS		4 CRYSTAL BEACH DR Ottawa ON Well ID: 7190965	E/123.8	1.00	67
13	WWIS		4 CRYSTAL BEACH RD OTTAWA ON Well ID: 7216113	E/125.1	1.08	70
14	WWIS		4 CRYSTAL BEACH RD OTTAWA ON Well ID: 7216117	E/125.8	1.08	72
15	WWIS		4 CRYSTAL BEACH RD OTTAWA ON Well ID: 7216118	E/126.1	1.00	75
16	WWIS		4 CRYSTAL BEACH ROAD OTTAWA ON Well ID: 7216112	E/126.8	1.08	77
17	WWIS		4 CRYSTAL BEACH DR Ottawa ON Well ID: 7190964	E/130.8	1.08	79
18	WWIS		4 CRYSTAL BEACH DR Ottawa ON Well ID: 7190962	E/130.9	-0.09	82
19	WWIS		4 CRYSTAL BEACH RD OTTAWA ON Well ID: 7216116	E/131.9	1.08	86
20	WWIS		3420 CARLING AVE Ottawa ON Well ID: 7204221	E/132.8	1.08	88
21	WWIS		4 CRYSTAL BEACH RD. ON Well ID: 7198893	E/135.8	1.08	91
22	WWIS		4 CRYSTAL BEACH DR. OTTAWA ON Well ID: 7198894	E/135.8	1.08	94
22	WWIS		4 CRYSTAL BEACH ROAD OTTAWA ON Well ID: 7216114	E/135.8	1.08	97

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
23	EHS		1, 27, 29, 31, 35 & 37 Elterwater Avenue, 4 Crystal Beach Drive and 5 Ullswater Ottawa ON	ESE/135.9	1.00	99
24	WWIS		4 CRYSTAL BEACH RD. lot 13 con 1 OTTAWA ON Well ID: 7198892	E/138.0	1.08	100
25	WWIS		233 ELTERWATER AVE. OTTAWA ON Well ID: 7176933	E/138.1	1.08	103
26	WWIS		4 CRYSTAL BEACH RD OTTAWA ON Well ID: 7216115	E/138.2	1.08	106
27	WWIS		233 ELTER WATER AVE. lot 13 con 1 OTTAWA ON Well ID: 7176932	E/138.8	1.08	108
28	WWIS		4 CRYSTAL BEACH DR. OTTAWA ON Well ID: 7198880	E/139.8	1.08	111
29	WWIS		4 CRYSTAL BEACH DR Ottawa ON Well ID: 7190963	E/140.9	-0.09	115
30	WWIS		4 CRYSTAL BEACH DR. OTTAWA ON Well ID: 7198881	E/141.8	1.08	118
31	WWIS		3420 CARLING AVE Ottawa ON Well ID: 7204223	E/145.8	1.00	121
32	WWIS		lot 12 con 1 ON Well ID: 1503804	WNW/164.2	-1.69	124
33	SPL	Enbridge Gas Distribution Inc.	62 Loch Isle Road Ottawa ON	NNE/173.5	-2.03	127
33	PINC	ENBRIDGE GAS INC	62 LOCH ISLE RD,,NEPEAN,ON,K2H 8G8, CA ON	NNE/173.5	-2.03	127
34	WWIS		lot 12 con 1 ON Well ID: 1503794	WNW/181.1	-2.91	128

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
35	BORE		ON	WNW/181.1	-2.91	131
36	EHS		1 & 3 Ullswater Drive, 25 & 33 Elterwater Avenue and 2A & 2B Crystal Beach Drive Ottawa ON	W/185.5	0.33	132
37	EHS		1 Ullswater Drive Ottawa ON K2H 5H2	W/185.5	0.33	133
37	EHS		1 Ullswater Drive Ottawa ON K2H 5H2	W/185.5	0.33	133
38	WWIS		lot 13 con 1 ON Well ID: 1503824	ENE/186.2	-0.97	133
39	EHS		1 Elterwater Ave Nepean ON K2H 5J1	E/192.2	0.85	136
39	EHS		1 Elterwater Ave Nepean ON K2H 5J1	E/192.2	0.85	136
40	SPL		Minto (2 Crystal Beach Drive) Ottawa ON	E/193.7	0.85	136
41	CA	NEPEAN CITY	LOCH ISLE RD./SUNNY BRAE AVE. NEPEAN CITY ON	NNE/209.0	-2.00	137
42	WWIS		lot 13 con 1 ON Well ID: 1503809	NNE/215.6	-3.11	137
43	WWIS		lot 13 con 1 ON Well ID: 1503819	E/215.7	-0.03	140
44	INC		6 Rocky Point Road, Ottawa ON	NE/221.3	-1.69	142
45	GEN	Minto Apartments Ltd.	4 Crystal BEach Drive ottawa ON	E/223.9	0.69	143

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
45	GEN	Minto Apartments Ltd.	4 Crystal BEach Drive ottawa ON	E/223.9	0.69	143
45	SPL	Enbridge Gas Distribution Inc.	4E Crystal Beach Drive Ottawa ON	E/223.9	0.69	144
45	GEN	Minto Apartments Ltd.	4 Crystal BEach Drive ottawa ON K2H 5M4	E/223.9	0.69	144
45	PINC	ZONE 5 LANDSCAPING INC	4 CRYSTAL BEACH DR,,NEPEAN,ON, K2H 5M4,CA ON	E/223.9	0.69	145
46	WWIS		lot 13 con 1 ON Well ID: 1504678	NNE/227.9	-2.54	145
47	GEN	SKARLAN ENTERPRISES	3409 CARLING AVENUE OTTAWA ON	WNW/228.1	-3.03	148
48	WWIS		lot 12 con 1 ON Well ID: 1503801	N/229.0	-2.64	148
49	PINC	TAGGART CONSTRUCTION LTD	8 CRYSTAL BEACH DR,,OTTAWA,ON, K2H 5M4,CA ON	ESE/230.8	1.00	151
49	SPL	Enbridge Gas Distribution Inc.	8 Crystal Beach Drive Ottawa ON	ESE/230.8	1.00	152
49	SPL	Enbridge Gas Distribution Inc.	8 Crystal Beach, Nepean Ottawa ON	ESE/230.8	1.00	152
50	WWIS		IN FRONT OF ULLSWATER DRIVE 47/48 Ottawa ON Well ID: 7263437	SSE/240.7	1.00	153
51	WWIS		IN FRONT OF 3-5 CRYSTAL BEACH DRIVE Ottawa ON Well ID: 7263434	E/246.7	-0.13	156
52	CA	R.M. OF OTTAWA-CARLETON	ELTERWATER AVE./ULLSWATER DR. NEPEAN CITY ON	WSW/249.0	1.00	159

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.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	NNE	47.75	<u>3</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	WNW	181.13	<u>35</u>

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.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
R.M. OF OTTAWA-CARLETON	ELTERWATER AVE./ULLSWATER DR. NEPEAN CITY ON	WSW	249.01	<u>52</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
NEPEAN CITY	LOCH ISLE RD./SUNNY BRAE AVE. NEPEAN CITY ON	NNE	209.04	<u>41</u>

DTNK - Delisted Fuel Tanks

A search of the DTNK database, dated Feb 28, 2022 has found that there are 11 DTNK 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 AV NEPEAN ON K2H 5B1	E	85.14	<u>8</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Lower Elevation	Address	Direction	Distance (m)	Map Key
MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E	122.95	11
MAC'S CONVENIENCE STORES INC**	3410 CARLING AVE STATION 7013 NEPEAN ON K2H 5B1	E	122.95	11
TOP VALU GAS BAR BOB MITCHELL	3410 CARLING AV NEPEAN ON	E	122.95	11
MAC'S CONVENIENCE STORES INC**	3410 CARLING AVE STATION 7013 NEPEAN ON	E	122.95	11
MAC'S CONVENIENCE STORES INC**	3410 CARLING AVE STATION 7013 NEPEAN ON	E	122.95	11
MAC'S CONVENIENCE STORES INC**	3410 CARLING AVE STATION 7013 NEPEAN ON	E	122.95	11
MAC'S CONVENIENCE STORES INC**	3410 CARLING AVE STATION 7013 NEPEAN ON	E	122.95	11
MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E	122.95	11
MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E	122.95	11
MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E	122.95	11

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jul 31, 2022 has found that there are 8 EHS 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>
	PE4556 -3430 Carling Ave Ottawa ON K2H 5J1	NE	0.64	1
	PE4556 -3430 Carling Ave Ottawa ON K2H 5J1	NE	0.64	1
	1, 27, 29, 31, 35 & 37 Elterwater Avenue, 4 Crystal Beach Drive and 5 Ullswater Ottawa ON	ESE	135.92	23
	1 & 3 Ullswater Drive, 25 & 33 Elterwater Avenue and 2A & 2B Crystal Beach Drive Ottawa ON	W	185.51	36
	1 Ullswater Drive Ottawa ON K2H 5H2	W	185.51	37
	1 Ullswater Drive Ottawa ON K2H 5H2	W	185.51	37
	1 Elterwater Ave Nepean ON K2H 5J1	E	192.24	39
	1 Elterwater Ave Nepean ON K2H 5J1	E	192.24	39

FST - Fuel Storage Tank

A search of the FST database, dated Feb 28, 2022 has found that there are 8 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 ON	E	85.14	8

<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 ON	E	85.14	<u>8</u>
RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN K2H 5B1 ON CA ON	E	85.14	<u>8</u>
RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN K2H 5B1 ON CA ON	E	85.14	<u>8</u>

<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	122.95	<u>11</u>
MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E	122.95	<u>11</u>
MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E	122.95	<u>11</u>
MAC'S CONVENIENCE STORES INC	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	E	122.95	<u>11</u>

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	85.14	<u>8</u>
RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN ON K2H 5B1	E	85.14	<u>8</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Oct 31, 2022 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	E	85.14	<u>8</u>
Ralph & Son`s Diner Ltd.	3420 Carling Ave Ottawa ON K2H5B1	E	85.14	<u>8</u>
Minto Apartments Ltd.	4 Crystal BEach Drive ottawa ON K2H 5M4	E	223.93	<u>45</u>
Minto Apartments Ltd.	4 Crystal BEach Drive ottawa ON	E	223.93	<u>45</u>
Minto Apartments Ltd.	4 Crystal BEach Drive ottawa ON	E	223.93	<u>45</u>

<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	228.10	<u>47</u>

INC - Fuel Oil Spills and Leaks

A search of the INC database, dated Feb 28, 2022 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	85.14	<u>8</u>
RALPH & SONS DINER LTD	3420 CARLING AV.,,NEPEAN,ON,K2H 5B1,CA ON	E	85.14	<u>8</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	6 Rocky Point Road, Ottawa ON	NE	221.33	44

PINC - Pipeline Incidents

A search of the PINC database, dated Feb 28, 2021 has found that there are 3 PINC 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>
ZONE 5 LANDSCAPING INC	4 CRYSTAL BEACH DR,,NEPEAN, ON,K2H 5M4,CA ON	E	223.93	45
TAGGART CONSTRUCTION LTD	8 CRYSTAL BEACH DR,,OTTAWA, ON,K2H 5M4,CA ON	ESE	230.79	49

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
ENBRIDGE GAS INC	62 LOCH ISLE RD,,NEPEAN,ON,K2H 8G8,CA ON	NNE	173.54	33

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.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
TOP VALU GAS BAR	3410 CARLING AV NEPEAN ON K2H5B1	E	122.95	11
C CORP (ONTARIO) INC ATTN ACCOUNTS PAYABLE	3410 CARLING AV STATION 7013 OTTAWA ON	E	122.95	11

RST - Retail Fuel Storage Tanks

A search of the RST database, dated 1999-May 31, 2022 has found that there are 2 RST 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>
MACEWEN PETROLEUM INC	3420 CARLING AVE NEPEAN ON K2H 5B1	E	85.14	8
MACEWEN PETROLEUM INC	3420 CARLING AVE NEPEAN ON K2H5B1	E	85.14	8

SPL - Ontario Spills

A search of the SPL database, dated 1988-Sep 2020; Dec 2020-Mar 2021 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	85.14	8
	Minto (2 Crystal Beach Drive) Ottawa ON	E	193.69	40
Enbridge Gas Distribution Inc.	4E Crystal Beach Drive Ottawa ON	E	223.93	45
Enbridge Gas Distribution Inc.	8 Crystal Beach Drive Ottawa ON	ESE	230.79	49
Enbridge Gas Distribution Inc.	8 Crystal Beach, Nepean Ottawa ON	ESE	230.79	49

<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	173.54	33

WWIS - Water Well Information System

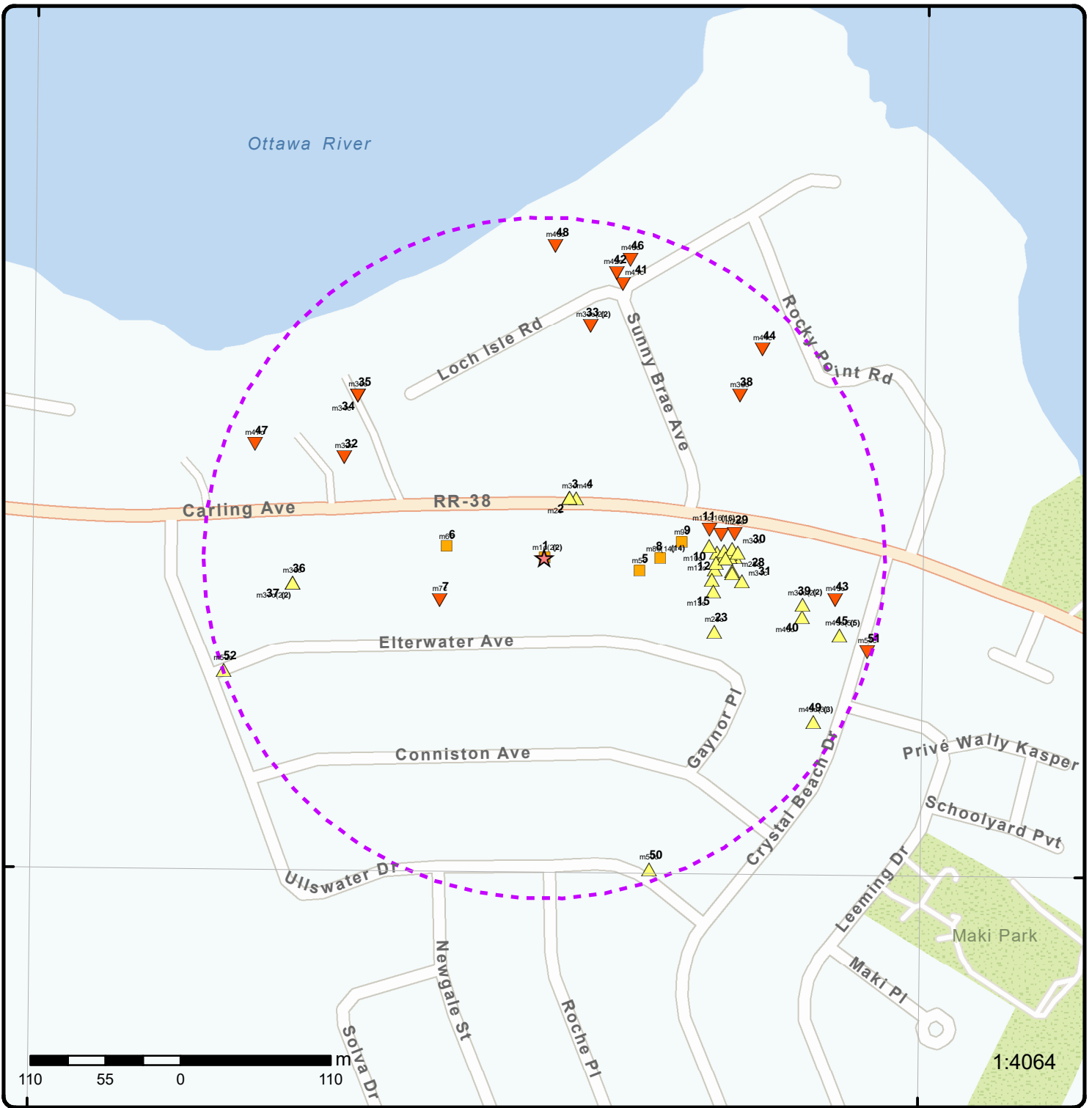
A search of the WWIS database, dated Jun 30 2022 has found that there are 36 WWIS site(s) within approximately 0.25 kilometers of the project property.

<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	47.56	<u>2</u>
	lot 12 con 1 ON <i>Well ID:</i> 1503799	NE	49.71	<u>4</u>
	3420 CARLING AVE Ottawa ON <i>Well ID:</i> 7204222	E	70.39	<u>5</u>
	lot 12 con 1 ON <i>Well ID:</i> 1503829	W	72.16	<u>6</u>
	3420 CARLING AVE Ottawa ON <i>Well ID:</i> 7204224	E	101.49	<u>9</u>
	3420 CARLING AVE Ottawa ON <i>Well ID:</i> 7204293	E	121.12	<u>10</u>
	4 CRYSTAL BEACH DR Ottawa ON <i>Well ID:</i> 7190965	E	123.85	<u>12</u>
	4 CRYSTAL BEACH RD OTTAWA ON <i>Well ID:</i> 7216113	E	125.06	<u>13</u>
	4 CRYSTAL BEACH RD OTTAWA ON <i>Well ID:</i> 7216117	E	125.83	<u>14</u>
	4 CRYSTAL BEACH RD OTTAWA ON <i>Well ID:</i> 7216118	E	126.12	<u>15</u>
	4 CRYSTAL BEACH ROAD OTTAWA ON <i>Well ID:</i> 7216112	E	126.85	<u>16</u>
	4 CRYSTAL BEACH DR Ottawa ON	E	130.79	<u>17</u>

<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	131.88	19
	<i>Well ID:</i> 7216116			
	3420 CARLING AVE Ottawa ON	E	132.79	20
	<i>Well ID:</i> 7204221			
	4 CRYSTAL BEACH RD. ON	E	135.79	21
	<i>Well ID:</i> 7198893			
	4 CRYSTAL BEACH DR. OTTAWA ON	E	135.82	22
	<i>Well ID:</i> 7198894			
	4 CRYSTAL BEACH ROAD OTTAWA ON	E	135.82	22
	<i>Well ID:</i> 7216114			
	4 CRYSTAL BEACH RD. lot 13 con 1 OTTAWA ON	E	137.96	24
	<i>Well ID:</i> 7198892			
	233 ELTERWATER AVE. OTTAWA ON	E	138.09	25
	<i>Well ID:</i> 7176933			
	4 CRYSTAL BEACH RD OTTAWA ON	E	138.24	26
	<i>Well ID:</i> 7216115			
	233 ELTER WATER AVE. lot 13 con 1 OTTAWA ON	E	138.84	27
	<i>Well ID:</i> 7176932			
	4 CRYSTAL BEACH DR. OTTAWA ON	E	139.79	28
	<i>Well ID:</i> 7198880			
	4 CRYSTAL BEACH DR. OTTAWA ON	E	141.84	30
	<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	145.80	<u>31</u>
	IN FRONT OF ULLSWATER DRIVE 47/48 Ottawa ON <i>Well ID:</i> 7263437	SSE	240.72	<u>50</u>
 <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	82.70	<u>7</u>
	4 CRYSTAL BEACH DR Ottawa ON <i>Well ID:</i> 7190962	E	130.88	<u>18</u>
	4 CRYSTAL BEACH DR Ottawa ON <i>Well ID:</i> 7190963	E	140.93	<u>29</u>
	lot 12 con 1 ON <i>Well ID:</i> 1503804	WNW	164.16	<u>32</u>
	lot 12 con 1 ON <i>Well ID:</i> 1503794	WNW	181.08	<u>34</u>
	lot 13 con 1 ON <i>Well ID:</i> 1503824	ENE	186.25	<u>38</u>
	lot 13 con 1 ON <i>Well ID:</i> 1503809	NNE	215.58	<u>42</u>
	lot 13 con 1 ON <i>Well ID:</i> 1503819	E	215.65	<u>43</u>
	lot 13 con 1 ON <i>Well ID:</i> 1504678	NNE	227.86	<u>46</u>

lot 12 con 1 ON	N	229.01	48
Well ID: 1503801			
IN FRONT OF 3-5 CRYSTAL BEACH DRIVE Ottawa ON	E	246.68	51
Well ID: 7263434			



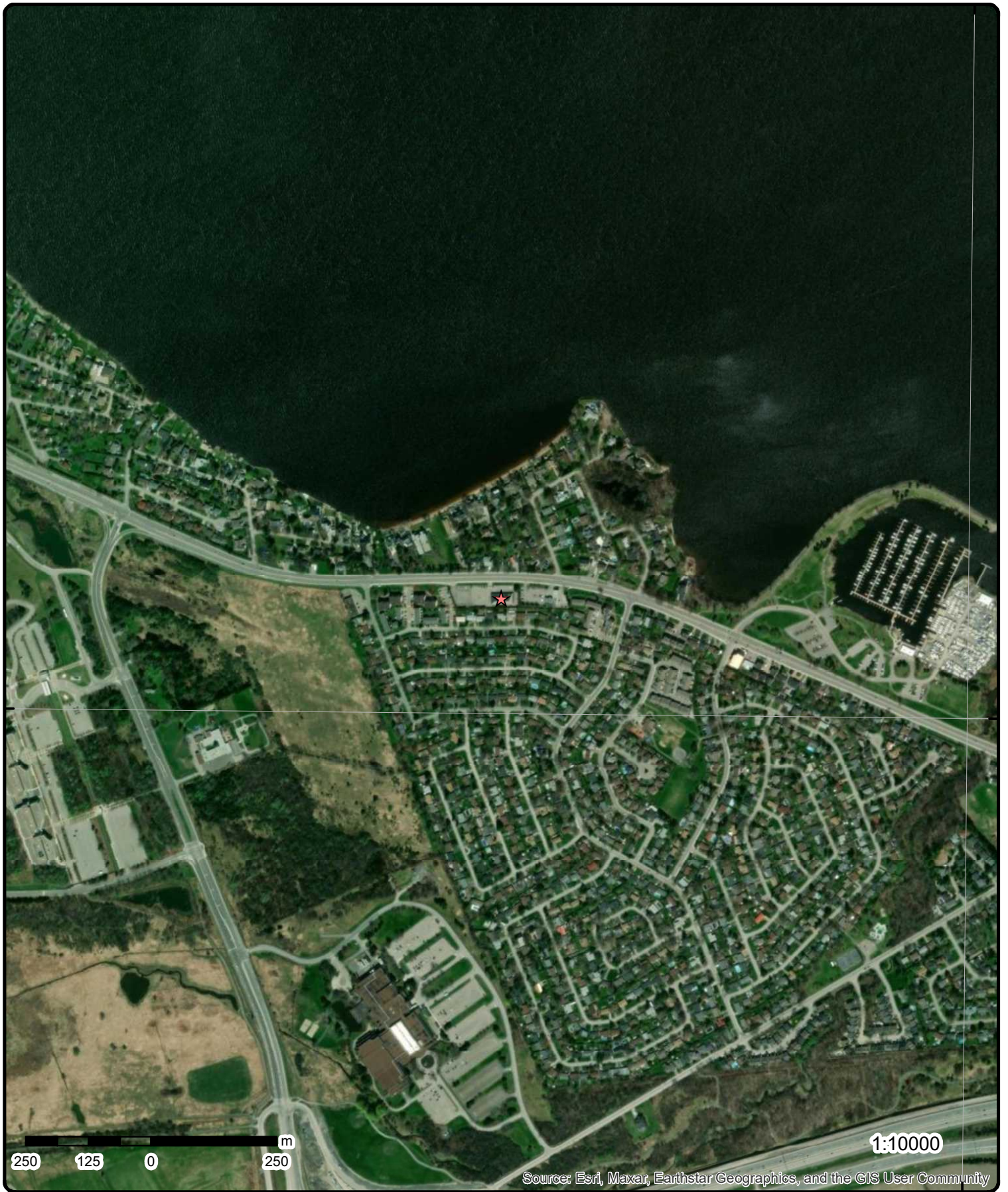
Map: 0.25 Kilometer Radius

Order Number: 22120601094

Address: PE5853 - 3430 Carling Avenue, Nepean, ON



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



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

Aerial Year: 2022

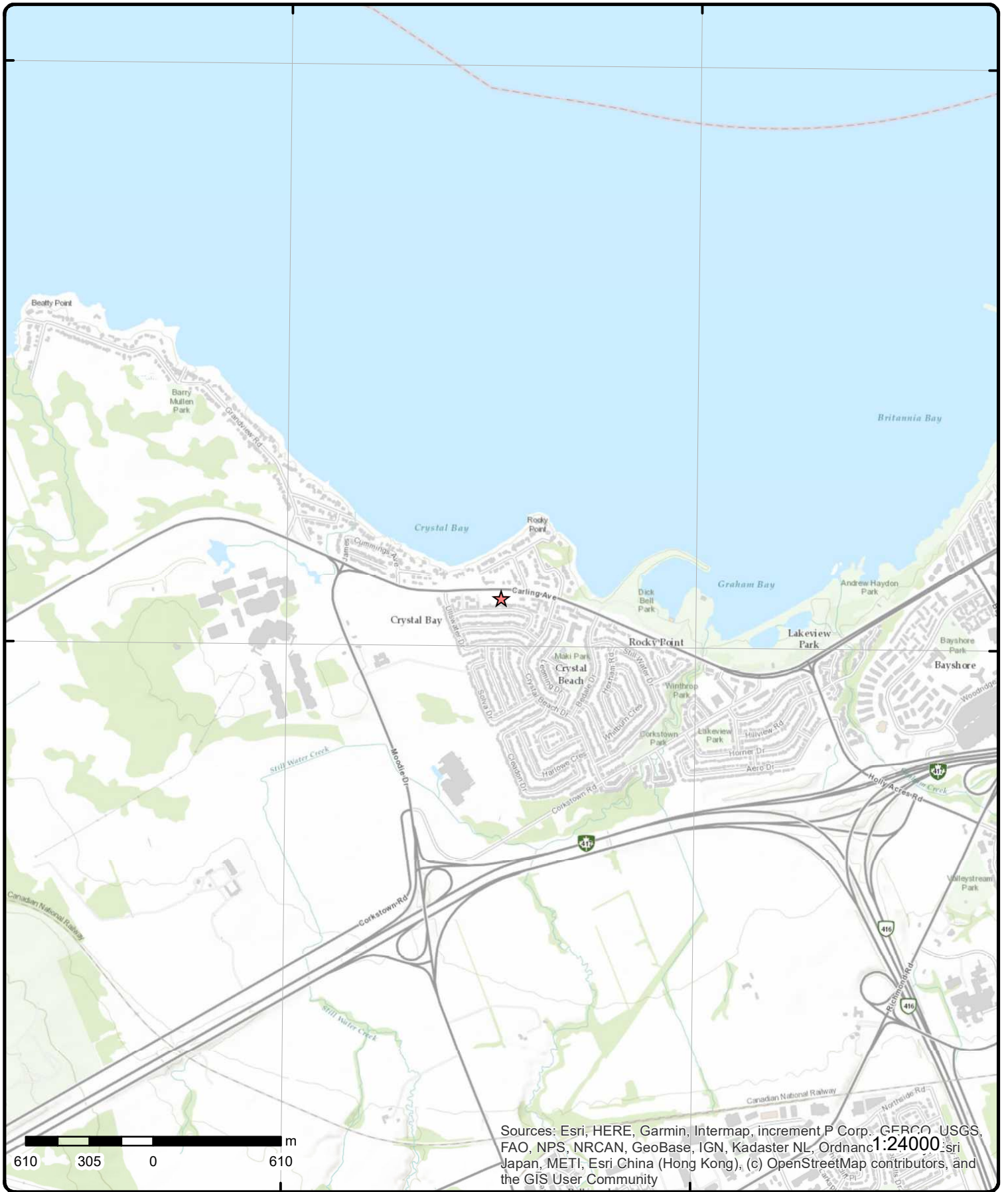
Order Number: 22120601094

Address: PE5853 - 3430 Carling Avenue, Nepean, ON



Source: ESRI World Imagery

© ERIS Information Limited Partnership



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Topographic Map

Order Number: 22120601094

Address: PE5853 - 3430 Carling Avenue, ON



Source: ESRI World Topographic Map

© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<p><u>1</u></p> <p>Order No: 21012100004 Status: C Report Type: Standard Report Report Date: 26-JAN-21 Date Received: 21-JAN-21 Previous Site Name: Lot/Building Size: Additional Info Ordered:</p>	<p>1 of 2</p>	<p>NE/0.6</p>	<p>63.9 / 0.00</p>	<p>PE4556 -3430 Carling Ave Ottawa ON K2H 5J1</p> <p>Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.8368631 Y: 45.3520783</p>	<p>EHS</p>
<p><u>1</u></p> <p>Order No: 21012100004 Status: C Report Type: Standard Report Report Date: 26-JAN-21 Date Received: 21-JAN-21 Previous Site Name: Lot/Building Size: Additional Info Ordered:</p>	<p>2 of 2</p>	<p>NE/0.6</p>	<p>63.9 / 0.00</p>	<p>PE4556 -3430 Carling Ave Ottawa ON K2H 5J1</p> <p>Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.8368631 Y: 45.3520783</p>	<p>EHS</p>
<p><u>2</u></p> <p>Well ID: 1503798 Construction Date: Use 1st: Domestic Use 2nd: 0 Final Well Status: Water Supply Water Type: Casing Material: Audit No: Tag: Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: NEPEAN TOWNSHIP Site Info:</p> <p>PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503798.pdf</p> <p>Additional Detail(s) (Map)</p>	<p>1 of 1</p>	<p>NNE/47.6</p>	<p>63.9 / 0.03</p>	<p>lot 12 con 1 ON</p> <p>Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: 1 Date Received: 07-Jan-1953 00:00:00 Selected Flag: TRUE Abandonment Rec: Contractor: 3718 Form Version: 1 Owner: County: OTTAWA-CARLETON Lot: 012 Concession: 01 Concession Name: OF Easting NAD83: Northing NAD83: Zone: UTM Reliability:</p>	<p>WWIS</p>

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

Well Completed Date: 1952/12/24
Year Completed: 1952
Depth (m): 31.3944
Latitude: 45.3524701842839
Longitude: -75.8366391594083
Path: 150\1503798.pdf

Bore Hole Information

Bore Hole ID:	10025841	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434465.60
Code OB Desc:		North83:	5022447.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	24-Dec-1952 00:00:00	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Loc Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock
Materials Interval

Formation ID: 930997596
Layer: 3
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 40.0
Formation End Depth: 45.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 930997594
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Materials Interval</u>					
Formation ID:		930997597			
Layer:		4			
Color:					
General Color:					
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		45.0			
Formation End Depth:		103.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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:		10.0			
Formation End Depth:		40.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961503798			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10574411			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930044437			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		103.0			
Casing Diameter:		5.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing ID:		930044436			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		27.0			
Casing Diameter:		5.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991503798			
Pump Set At:					
Static Level:		6.0			
Final Level After Pumping:		16.0			
Recommended Pump Depth:					
Pumping Rate:		5.0			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		0			
Pumping Duration MIN:		10			
Flowing:		No			
<u>Water Details</u>					
Water ID:		933456781			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		50.0			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		933456782			
Layer:		3			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		80.0			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		933456780			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		30.0			
Water Found Depth UOM:		ft			
<u>Links</u>					
Bore Hole ID:	10025841			Tag No:	
Depth M:	31.3944			Contractor:	3718
Year Completed:	1952			Path:	150\1503798.pdf

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Well Completed Dt: Audit No:	1952/12/24			Latitude: Longitude:	45.3524701842839 -75.8366391594083

<u>3</u>	1 of 1	NNE/47.8	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:	
Bottom Depth:	13.7			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SAND.				

Geology Stratum ID:	218386753			Mat Consistency:	Loose
Top Depth:	13.7			Material Moisture:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	31.4 Limestone			Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
		LIMESTONE. 0005000155BEDROCK,DOLOMITE. 00000 030 00000025Y,SAND. VERY LOOSE. UN **Note: Many records provided by the department have a truncated [Stratum Description] field.			

Source

Source Type:	Data Survey	Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada	Source Iden:	1
Source Date:	1956-1972	Scale or Res:	Varies
Confidence:		Horizontal:	NAD27
Observatio:		Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 03368 NTS_Sheet:		
Confiden 1:			

Source List

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

<u>4</u>	1 of 1	NE/49.7	63.9 / 0.03	lot 12 con 1 ON	WWIS
Well ID:	1503799			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Domestic			Data Entry Status:	
Use 2nd:	0			Data Src:	1
Final Well Status:	Water Supply			Date Received:	15-Jun-1953 00:00:00
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	3566
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	012
Depth to Bedrock:				Concession:	01
Well Depth:				Concession Name:	OF
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503799.pdf				

Additional Detail(s) (Map)

Well Completed Date:	1953/05/11
Year Completed:	1953
Depth (m):	30.48
Latitude:	45.3524706518064

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

Longitude: -75.8365753341873
 Path: 150\1503799.pdf

Bore Hole Information

Bore Hole ID:	10025842	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434470.60
Code OB Desc:		North83:	5022447.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	11-May-1953 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	p9
Loc Method Desc:	Original Pre1985 UTM Rel Code 9: unknown UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock
Materials Interval**

Formation ID: 930997599
Layer: 2
Color:
General Color:
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 30.0
Formation End Depth: 43.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 930997600
Layer: 3
Color: 0
General Color:
Mat1: 00
Most Common Material: UNKNOWN TYPE
Mat2: 00
Mat2 Desc: UNKNOWN TYPE
Mat3: 00
Mat3 Desc: UNKNOWN TYPE
Formation Top Depth: 43.0
Formation End Depth: 100.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 930997598
Layer: 1
Color:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		30.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961503799			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10574412			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930044438			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		43.0			
Casing Diameter:		5.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991503799			
Pump Set At:					
Static Level:		18.0			
Final Level After Pumping:		26.0			
Recommended Pump Depth:					
Pumping Rate:		7.0			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		0			
Pumping Duration MIN:		30			
Flowing:		No			
<u>Water Details</u>					
Water ID:		933456784			
Layer:		2			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	100.0				
Water Found Depth UOM:	ft				
<u>Water Details</u>					
Water ID:	933456783				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	60.0				
Water Found Depth UOM:	ft				
<u>Links</u>					
Bore Hole ID:	10025842			Tag No:	
Depth M:	30.48			Contractor:	3566
Year Completed:	1953			Path:	150\1503799.pdf
Well Completed Dt:	1953/05/11			Latitude:	45.3524706518064
Audit No:				Longitude:	-75.8365753341873

5	1 of 1	<i>E/70.4</i>	63.9 / 0.00	3420 CARLING AVE Ottawa ON	WWIS
Well ID:	7204222			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring and Test Hole			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Test Hole			Date Received:	05-Jul-2013 00:00:00
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z168614			Contractor:	7241
Tag:	A146648			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliability:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7204222.pdf				

Additional Detail(s) (Map)

Well Completed Date:	2013/05/28
Year Completed:	2013
Depth (m):	4.57
Latitude:	45.3519979669914
Longitude:	-75.8359760127979
Path:	720\7204222.pdf

Bore Hole Information

Bore Hole ID:	1004395860	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Code OB:				East83:	434517.00
Code OB Desc:				North83:	5022394.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	28-May-2013 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Overburden and Bedrock
Materials Interval

Formation ID: 1004809368
Layer: 1
Color: 8
General Color: BLACK
Mat1: 02
Most Common Material: TOPSOIL
Mat2: 28
Mat2 Desc: SAND
Mat3: 77
Mat3 Desc: LOOSE
Formation Top Depth: 0.0
Formation End Depth: 0.3100000023841858
Formation End Depth UOM: m

Overburden and Bedrock
Materials Interval

Formation ID: 1004809370
Layer: 3
Color: 2
General Color: GREY
Mat1: 06
Most Common Material: SILT
Mat2: 05
Mat2 Desc: CLAY
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 1.5
Formation End Depth: 4.570000171661377
Formation End Depth UOM: m

Overburden and Bedrock
Materials Interval

Formation ID: 1004809369
Layer: 2
Color: 2
General Color: GREY
Mat1: 06
Most Common Material: SILT
Mat2: 05
Mat2 Desc: CLAY
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 0.3100000023841858
Formation End Depth: 1.5

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1004809379				
Layer:	2				
Plug From:	0.3100000023841858				
Plug To:	1.2200000286102295				
Plug Depth UOM:	m				
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1004809380				
Layer:	3				
Plug From:	1.2200000286102295				
Plug To:	4.570000171661377				
Plug Depth UOM:	m				
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1004809378				
Layer:	1				
Plug From:	0.0				
Plug To:	0.3100000023841858				
Plug Depth UOM:	m				
<u>Method of Construction & Well Use</u>					
Method Construction ID:	1004809377				
Method Construction Code:	B				
Method Construction:	Other Method				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	1004809367				
Casing No:	0				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	1004809373				
Layer:	1				
Material:	5				
Open Hole or Material:	PLASTIC				
Depth From:	0.0				
Depth To:	1.5				
Casing Diameter:	4.03000020980835				
Casing Diameter UOM:	cm				
Casing Depth UOM:	m				
<u>Construction Record - Screen</u>					
Screen ID:	1004809374				
Layer:	1				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Slot:		10			
Screen Top Depth:		1.5			
Screen End Depth:		4.570000171661377			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.820000171661377			

Water Details

Water ID: 1004809372
 Layer:
 Kind Code:
 Kind:
 Water Found Depth:
 Water Found Depth UOM: m

Hole Diameter

Hole ID: 1004809371
 Diameter: 8.25
 Depth From: 0.0
 Depth To: 4.570000171661377
 Hole Depth UOM: m
 Hole Diameter UOM: cm

Links

Bore Hole ID:	1004395860	Tag No:	A146648
Depth M:	4.57	Contractor:	7241
Year Completed:	2013	Path:	7207204222.pdf
Well Completed Dt:	2013/05/28	Latitude:	45.3519979669914
Audit No:	Z168614	Longitude:	-75.8359760127979

<u>6</u>	1 of 1	W/72.2	63.9 / 0.00	lot 12 con 1 ON	WWIS
Well ID:	1503829			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Domestic			Data Entry Status:	
Use 2nd:	0			Data Src:	1
Final Well Status:	Water Supply			Date Received:	26-Mar-1951 00:00:00
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	3718
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	012
Depth to Bedrock:				Concession:	01
Well Depth:				Concession Name:	OF
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503829.pdf				

Additional Detail(s) (Map)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Well Completed Date:		1951/03/05			
Year Completed:		1951			
Depth (m):		42.672			
Latitude:		45.3521467485844			
Longitude:		-75.8377833650821			
Path:		150\1503829.pdf			

Bore Hole Information

Bore Hole ID:	10025872	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434375.60
Code OB Desc:		North83:	5022412.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	05-Mar-1951 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	p9
Loc Method Desc:	Original Pre1985 UTM Rel Code 9: unknown UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	930997667
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	50.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	930997668
Layer:	2
Color:	
General Color:	
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	50.0
Formation End Depth:	59.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		930997669			
Layer:		3			
Color:					
General Color:					
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		59.0			
Formation End Depth:		140.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961503829			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10574442			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930044499			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		140.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930044498			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		65.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991503829			
Pump Set At:					
Static Level:		20.0			
Final Level After Pumping:		20.0			
Recommended Pump Depth:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pumping Rate:		4.0			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		No			

Water Details

Water ID: 933456823
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 100.0
Water Found Depth UOM: ft

Water Details

Water ID: 933456824
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 130.0
Water Found Depth UOM: ft

Water Details

Water ID: 933456822
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 80.0
Water Found Depth UOM: ft

Links

Bore Hole ID: 10025872	Tag No:
Depth M: 42.672	Contractor: 3718
Year Completed: 1951	Path: 150\1503829.pdf
Well Completed Dt: 1951/03/05	Latitude: 45.3521467485844
Audit No:	Longitude: -75.8377833650821

<u>7</u>	1 of 1	WSW/82.7	63.8 / -0.03	lot 12 con 1 ON	WWIS
Well ID:	1503800			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Commerical			Data Entry Status:	
Use 2nd:	0			Data Src:	1
Final Well Status:	Water Supply			Date Received:	15-Jun-1953 00:00:00
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	3566
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	012

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth to Bedrock:				Concession:	01
Well Depth:				Concession Name:	OF
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		NEPEAN TOWNSHIP			
Site Info:					

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503800.pdf

Additional Detail(s) (Map)

Well Completed Date: 1953/05/27
Year Completed: 1953
Depth (m): 35.9664
Latitude: 45.3517862641492
Longitude: -75.8378418775681
Path: 150\1503800.pdf

Bore Hole Information

Bore Hole ID:	10025843	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434370.60
Code OB Desc:		North83:	5022372.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	27-May-1953 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	p9
Loc Method Desc:	Original Pre1985 UTM Rel Code 9: unknown UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock
Materials Interval**

Formation ID: 930997601
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 25.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 930997603
Layer: 3
Color:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
General Color:					
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		35.0			
Formation End Depth:		118.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930997602			
Layer:		2			
Color:					
General Color:					
Mat1:		14			
Most Common Material:		HARDPAN			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		25.0			
Formation End Depth:		35.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961503800			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10574413			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930044440			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		118.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930044439			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth To:		37.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991503800			
Pump Set At:					
Static Level:		15.0			
Final Level After Pumping:		26.0			
Recommended Pump Depth:					
Pumping Rate:		8.0			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		0			
Pumping Duration MIN:		30			
Flowing:		No			
<u>Water Details</u>					
Water ID:		933456786			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		118.0			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		933456785			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		60.0			
Water Found Depth UOM:		ft			
<u>Links</u>					
Bore Hole ID:		10025843		Tag No:	
Depth M:		35.9664		Contractor:	3566
Year Completed:		1953		Path:	150\1503800.pdf
Well Completed Dt:		1953/05/27		Latitude:	45.3517862641492
Audit No:				Longitude:	-75.8378418775681
8	1 of 14	E/85.1	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:					
Description:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>8</u>	2 of 14	E/85.1	63.9 / 0.00	RALPH & SONS DINER LTD 3420 CARLING AV NEPEAN ON K2H 5B1	FSTH
License Issue Date:		1/26/2004			
Tank Status:		Licensed			
Tank Status As Of:		August 2007			
Operation Type:		Retail Fuel Outlet			
Facility Type:		Gasoline Station - Self Serve			
--Details--					
Status:		Active			
Year of Installation:		1995			
Corrosion Protection:					
Capacity:		35000			
Tank Fuel Type:		Liquid Fuel Double Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1995			
Corrosion Protection:					
Capacity:		35000			
Tank Fuel Type:		Liquid Fuel Double Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1995			
Corrosion Protection:					
Capacity:		35000			
Tank Fuel Type:		Liquid Fuel Double Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1995			
Corrosion Protection:					
Capacity:		15000			
Tank Fuel Type:		Liquid Fuel Double Wall UST - Gasoline			

<u>8</u>	3 of 14	E/85.1	63.9 / 0.00	RALPH & SONS DINER LTD 3420 CARLING AV NEPEAN ON K2H 5B1	FSTH
License Issue Date:		1/26/2004 11:06:00 AM			
Tank Status:		Licensed			
Tank Status As Of:		December 2008			
Operation Type:		Retail Fuel Outlet			
Facility Type:		Gasoline Station - Self Serve			
--Details--					
Status:		Active			
Year of Installation:		1995			
Corrosion Protection:					
Capacity:		35000			
Tank Fuel Type:		Liquid Fuel Double Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1995			
Corrosion Protection:					
Capacity:		35000			
Tank Fuel Type:		Liquid Fuel Double Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1995			
Corrosion Protection:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Capacity:		35000			
Tank Fuel Type:		Liquid Fuel Double Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1995			
Corrosion Protection:					
Capacity:		15000			
Tank Fuel Type:		Liquid Fuel Double Wall UST - Gasoline			

<u>8</u>	4 of 14	E/85.1	63.9 / 0.00	RALPH & SONS DINER LTD 3420 CARLING AV NEPEAN K2H 5B1 ON CA ON	FST
Instance No:	11448412			Manufacturer:	
Status:				Serial No:	
Cont Name:				Ulc Standard:	
Instance Type:	FS Liquid Fuel Tank			Quantity:	
Item:				Unit of Measure:	
Item Description:	FS Liquid Fuel Tank			Fuel Type:	Gasoline
Tank Type:	Double Wall UST			Fuel Type2:	NULL
Install Date:	6/2/2009			Fuel Type3:	NULL
Install Year:	1995			Piping Steel:	
Years in Service:				Piping Galvanized:	
Model:	NULL			Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:	25000			No Underground:	
Tank Material:	Steel			Panam Related:	
Corrosion Protect:	Sacrificial anode			Panam Venue:	
Overfill Protect:					
Facility Type:	FS Liquid Fuel Tank				
Parent Facility Type:	FS Gasoline Station - Self Serve				
Facility Location:					
Device Installed Location:	3420 CARLING AV NEPEAN K2H 5B1 ON CA				

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: RALPH & SONS DINER LTD
Item: FS LIQUID FUEL TANK

<u>8</u>	5 of 14	E/85.1	63.9 / 0.00	RALPH & SONS DINER LTD 3420 CARLING AV NEPEAN K2H 5B1 ON CA ON	FST
Instance No:	11448385			Manufacturer:	
Status:				Serial No:	
Cont Name:				Ulc Standard:	
Instance Type:	FS Liquid Fuel Tank			Quantity:	
Item:				Unit of Measure:	
Item Description:	FS Liquid Fuel Tank			Fuel Type:	Gasoline
Tank Type:	Double Wall UST			Fuel Type2:	NULL
Install Date:	6/2/2009			Fuel Type3:	NULL
Install Year:	1995			Piping Steel:	
Years in Service:				Piping Galvanized:	
Model:	NULL			Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:	25000			No Underground:	
Tank Material:	Steel			Panam Related:	
Corrosion Protect:	Sacrificial anode			Panam Venue:	
Overfill Protect:					
Facility Type:	FS Liquid Fuel Tank				
Parent Facility Type:	FS Gasoline Station - Self Serve				

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

Facility Location:
Device Installed Location: 3420 CARLING AV NEPEAN K2H 5B1 ON CA

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: RALPH & SONS DINER LTD
Item: FS LIQUID FUEL TANK

<u>8</u>	6 of 14	E/85.1	63.9 / 0.00	RALPH & SONS DINER LTD 3420 CARLING AV NEPEAN K2H 5B1 ON CA ON	FST
----------	---------	--------	-------------	--	-----

Instance No:	11448447	Manufacturer:	
Status:		Serial No:	
Cont Name:		Ulc Standard:	
Instance Type:	FS Liquid Fuel Tank	Quantity:	
Item:		Unit of Measure:	
Item Description:	FS Liquid Fuel Tank	Fuel Type:	Gasoline
Tank Type:	Double Wall UST	Fuel Type2:	NULL
Install Date:	6/2/2009	Fuel Type3:	NULL
Install Year:	1995	Piping Steel:	
Years in Service:		Piping Galvanized:	
Model:	NULL	Tanks Single Wall St:	
Description:		Piping Underground:	
Capacity:	15000	No Underground:	
Tank Material:	Steel	Panam Related:	
Corrosion Protect:	Sacrificial anode	Panam Venue:	
Overfill Protect:			
Facility Type:	FS Liquid Fuel Tank		
Parent Facility Type:	FS Gasoline Station - Self Serve		
Facility Location:			
Device Installed Location:	3420 CARLING AV NEPEAN K2H 5B1 ON CA		

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: RALPH & SONS DINER LTD
Item: FS LIQUID FUEL TANK

<u>8</u>	7 of 14	E/85.1	63.9 / 0.00	RALPH & SONS DINER LTD 3420 CARLING AV NEPEAN K2H 5B1 ON CA ON	FST
----------	---------	--------	-------------	--	-----

Instance No:	11448430	Manufacturer:	
Status:		Serial No:	
Cont Name:		Ulc Standard:	
Instance Type:	FS Liquid Fuel Tank	Quantity:	
Item:		Unit of Measure:	
Item Description:	FS Liquid Fuel Tank	Fuel Type:	Gasoline
Tank Type:	Double Wall UST	Fuel Type2:	NULL
Install Date:	6/2/2009	Fuel Type3:	NULL
Install Year:	1995	Piping Steel:	
Years in Service:		Piping Galvanized:	
Model:	NULL	Tanks Single Wall St:	
Description:		Piping Underground:	
Capacity:	25000	No Underground:	
Tank Material:	Steel	Panam Related:	
Corrosion Protect:	Sacrificial anode	Panam Venue:	
Overfill Protect:			
Facility Type:	FS Liquid Fuel Tank		
Parent Facility Type:	FS Gasoline Station - Self Serve		
Facility Location:			

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

Device Installed Location: 3420 CARLING AV NEPEAN K2H 5B1 ON CA

Liquid Fuel Tank Details

Overfill Protection:
 Owner Account Name: RALPH & SONS DINER LTD
 Item: FS LIQUID FUEL TANK

8	8 of 14	E/85.1	63.9 / 0.00	MACEWEN PETROLEUM INC 3420 CARLING AVE NEPEAN ON K2H5B1	RST
-------------------	---------	--------	-------------	---	-----

Headcode: 01186800
 Headcode Desc: SERVICE STATIONS GASOLINE OIL & NATURAL GAS
 Phone: 6138280728
 List Name: INFO-DIRECT(TM) BUSINESS FILE
 Description:

8	9 of 14	E/85.1	63.9 / 0.00	Ralph & Son`s Diner Ltd. 3420 Carling Ave Ottawa ON	GEN
-------------------	---------	--------	-------------	---	-----

Generator No: ON5792288
 SIC Code: 447110
 SIC Description:
 Approval Years: 2013
 PO Box No:
 Country:
 Status:
 Co Admin:
 Choice of Contact:
 Phone No Admin:
 Contaminated Facility:
 MHSW Facility:

Detail(s)

Waste Class: 221
 Waste Class Name: LIGHT FUELS

8	10 of 14	E/85.1	63.9 / 0.00	Ralph & Son`s Diner Ltd. 3420 Carling Ave Ottawa ON K2H5B1	GEN
-------------------	----------	--------	-------------	--	-----

Generator No: ON5792288
 SIC Code: 447110
 SIC Description: 447110
 Approval Years: 2014
 PO Box No:
 Country: Canada
 Status:
 Co Admin:
 Choice of Contact: CO_OFFICIAL
 Phone No Admin:
 Contaminated Facility: No
 MHSW Facility: No

Detail(s)

Waste Class: 221

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Name:		LIGHT FUELS			
<u>8</u>	11 of 14	E/85.1	63.9 / 0.00	3420 Carling Ave, Nepean Ottawa ON	SPL
Ref No:	6334-ANJQBY			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	6/21/2017			Health/Env Conseq:	2 - Minor Environment
Year:				Client Type:	
Incident Cause:				Sector Type:	Miscellaneous Communal
Incident Event:	Leak/Break			Agency Involved:	
Contaminant Code:	12			Nearest Watercourse:	
Contaminant Name:	GASOLINE			Site Address:	3420 Carling Ave, Nepean
Contaminant Limit 1:	25			Site District Office:	Ottawa
Contam Limit Freq 1:	any			Site Postal Code:	
Contaminant UN No 1:	1203			Site Region:	Eastern
Environment Impact:				Site Municipality:	Ottawa
Nature of Impact:				Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:	Land			Northing:	5022431.78
MOE Response:				Easting:	434546.88
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	6/21/2017			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	
Incident Reason:	Equipment Failure			Source Type:	Service Station
Site Name:	Service station<UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	TSSA FSB hose malfunction on gas pump, minor gas spill, cleaned				
Contaminant Qty:	13 L				

<u>8</u>	12 of 14	E/85.1	63.9 / 0.00	RALPH & SONS DINER LTD 3420 CARLING AV,,NEPEAN,ON,K2H 5B1,CA ON	INC
Incident No:	1012906			Any Health Impact:	
Incident ID:				Any Enviro Impact:	
Instance No:				Service Interrupted:	
Status Code:				Was Prop Damaged:	
Attribute Category:	FS-Incident			Reside App. Type:	
Context:				Commer App. Type:	
Date of Occurrence:	1/15/2013			Indus App. Type:	
Time of Occurrence:				Institut App. Type:	
Incident Created On:				Venting Type:	
Instance Creation Dt:				Vent Conn Mater:	
Instance Install Dt:				Vent Chimney Mater:	
Occur Insp Start Date:				Pipeline Type:	
Approx Quant Rel:				Pipeline Involved:	
Tank Capacity:				Pipe Material:	
Fuels Occur Type:				Depth Ground Cover:	
Fuel Type Involved:				Regulator Location:	
Enforcement Policy:				Regulator Type:	
Prc Escalation Req:				Operation Pressure:	
Tank Material Type:				Liquid Prop Make:	
Tank Storage Type:				Liquid Prop Model:	
Tank Location Type:				Liquid Prop Serial No:	
Pump Flow Rate Cap:				Liquid Prop Notes:	
Task No:				Equipment Type:	
Notes:				Equipment Model:	
Drainage System:				Serial No:	
Sub Surface Contam.:				Cylinder Capacity:	
Aff Prop Use Water:				Cylinder Cap Units:	
Contam. Migrated:				Cylinder Mat Type:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contact Natural Env:		Near Body of Water:			
Incident Location:		3420 CARLING AV,,NEPEAN,ON,K2H 5B1,CA			
Occurrence Narrative:					
Operation Type Involved:		FS GASOLINE STATION - SELF SERVE			
Item:					
Item Description:					
Device Installed Location:					

<u>8</u>	13 of 14	E/85.1	63.9 / 0.00	RALPH & SONS DINER LTD 3420 CARLING AV,,NEPEAN,ON,K2H 5B1,CA ON	INC
Incident No:		2102062		Any Health Impact:	
Incident ID:				Any Enviro Impact:	
Instance No:				Service Interrupted:	
Status Code:				Was Prop Damaged:	
Attribute Category:		FS-Incident		Reside App. Type:	
Context:				Commer App. Type:	
Date of Occurrence:		6/22/2017		Indus App. Type:	
Time of Occurrence:				Institut App. Type:	
Incident Created On:				Venting Type:	
Instance Creation Dt:				Vent Conn Mater:	
Instance Install Dt:				Vent Chimney Mater:	
Occur Insp Start Date:				Pipeline Type:	
Approx Quant Rel:				Pipeline Involved:	
Tank Capacity:				Pipe Material:	
Fuels Occur Type:				Depth Ground Cover:	
Fuel Type Involved:				Regulator Location:	
Enforcement Policy:				Regulator Type:	
Prc Escalation Req:				Operation Pressure:	
Tank Material Type:				Liquid Prop Make:	
Tank Storage Type:				Liquid Prop Model:	
Tank Location Type:				Liquid Prop Serial No:	
Pump Flow Rate Cap:				Liquid Prop Notes:	
Task No:				Equipment Type:	
Notes:				Equipment Model:	
Drainage System:				Serial No:	
Sub Surface Contam.:				Cylinder Capacity:	
Aff Prop Use Water:				Cylinder Cap Units:	
Contam. Migrated:				Cylinder Mat Type:	
Contact Natural Env:				Near Body of Water:	
Incident Location:		3420 CARLING AV,,NEPEAN,ON,K2H 5B1,CA			
Occurrence Narrative:					
Operation Type Involved:		FS GASOLINE STATION - SELF SERVE			
Item:					
Item Description:					
Device Installed Location:					

<u>8</u>	14 of 14	E/85.1	63.9 / 0.00	3420 CARLING AV NEPEAN ON K2H 5B1	DTNK
<u>Delisted Fuel Storage Tank</u>					
Instance No:		10143414		Creation Date:	
Status:		Active		Overfill Prot Type:	
Instance Type:				Facility Location:	
Fuel Type:				Piping SW Steel:	
Cont Name:				0	
Capacity:				Piping SW Galvan:	
Tank Material:				0	
				Tanks SW Steel:	
				0	
				Piping Underground:	
				4	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Corrosion Prot: Tank Type: Install Year: Facility Type: Device Installed Loc: Fuel Type 2: Fuel Type 3: Item: Item Description: Model: Description: Instance Creation Dt: Instance Install Dt: Manufacturer: Serial No: ULC Standard: Quantity: Unit of Measure: Parent Fac Type: TSSA Base Sched Cycle 1: TSSA Base Sched Cycle 2: Original Source: Record Date:		FS GASOLINE STATION - SELF SERVE		No Underground: Max Hazard Rank: Max Hazard Rank 1: Nxt Period Start Dt: Program Area 1: Program Area 2: Nxt Period Strt Dt 2: Risk Based Periodic: Vol of Directives: Years in Service: Created Date: Federal Device: Periodic Exempt: Statutory Interval: Rcomnd Insp Interval: Recommended Toler: Panam Venue Name: External Identifier:	4
		FST			
		31-MAY-2021			

<u>9</u>	1 of 1	E/101.5	63.9 / 0.00	3420 CARLING AVE Ottawa ON	WWIS
Well ID: Construction Date: Use 1st: Use 2nd: Final Well Status: Water Type: Casing Material: Audit No: Tag: Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: Site Info:	7204224 Monitoring and Test Hole Test Hole			Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: County: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	05-Jul-2013 00:00:00 TRUE 7241 7 OTTAWA-CARLETON
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7204224.pdf				

Additional Detail(s) (Map)

Well Completed Date:	2013/05/28
Year Completed:	2013
Depth (m):	4.57
Latitude:	45.3521898713664
Longitude:	-75.8355830810915
Path:	720\7204224.pdf

Bore Hole Information

Bore Hole ID:	1004396074	Elevation:
DP2BR:		Elevrc:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Spatial Status:				Zone:	18
Code OB:				East83:	434548.00
Code OB Desc:				North83:	5022415.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	28-May-2013 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Overburden and Bedrock

Materials Interval

Formation ID: 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: 0.0
Formation End Depth: 0.3100000023841858
Formation End Depth UOM: m

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: 0.3100000023841858
Formation End Depth: 3.0999999046325684
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: 3.0999999046325684

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth:		4.570000171661377			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004809408			
Layer:		3			
Plug From:		1.2200000286102295			
Plug To:		4.570000171661377			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004809407			
Layer:		2			
Plug From:		0.3100000023841858			
Plug To:		1.2200000286102295			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004809406			
Layer:		1			
Plug From:		0.0			
Plug To:		0.3100000023841858			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004809405			
Method Construction Code:		B			
Method Construction:		Other Method			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1004809395			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004809401			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		1.2200000286102295			
Casing Diameter:		4.03000020980835			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1004809402			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		1			
Slot:		10			
Screen Top Depth:		1.2200000286102295			
Screen End Depth:		4.570000171661377			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.820000171661377			

Water Details

Water ID: 1004809400
 Layer:
 Kind Code:
 Kind:
 Water Found Depth:
 Water Found Depth UOM: m

Hole Diameter

Hole ID: 1004809399
 Diameter: 8.25
 Depth From: 0.0
 Depth To: 4.519999980926514
 Hole Depth UOM: m
 Hole Diameter UOM: cm

Links

Bore Hole ID:	1004396074	Tag No:	A146649
Depth M:	4.57	Contractor:	7241
Year Completed:	2013	Path:	720\7204224.pdf
Well Completed Dt:	2013/05/28	Latitude:	45.3521898713664
Audit No:	Z168617	Longitude:	-75.8355830810915

10	1 of 1	E/121.1	65.0 / 1.08	3420 CARLING AVE Ottawa ON	WWIS
Well ID:	7204293	Flowing (Y/N):			
Construction Date:		Flow Rate:			
Use 1st:	Monitoring and Test Hole	Data Entry Status:			
Use 2nd:		Data Src:			
Final Well Status:	Test Hole	Date Received:	05-Jul-2013 00:00:00		
Water Type:		Selected Flag:	TRUE		
Casing Material:		Abandonment Rec:			
Audit No:	Z168616	Contractor:	7241		
Tag:	A146650	Form Version:	7		
Constructn Method:		Owner:			
Elevation (m):		County:	OTTAWA-CARLETON		
Elevatn Reliability:		Lot:			
Depth to Bedrock:		Concession:			
Well Depth:		Concession Name:			
Overburden/Bedrock:		Easting NAD83:			
Pump Rate:		Northing NAD83:			
Static Water Level:		Zone:			
Clear/Cloudy:		UTM Reliability:			
Municipality:	NEPEAN TOWNSHIP				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7204293.pdf				

Additional Detail(s) (Map)

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

Well Completed Date: 2013/05/28
Year Completed: 2013
Depth (m): 4.57
Latitude: 45.3521647376386
Longitude: -75.8353273841574
Path: 720\7204293.pdf

Bore Hole Information

Bore Hole ID:	1004398040	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434568.00
Code OB Desc:		North83:	5022412.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	28-May-2013 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock
Materials Interval

Formation ID: 1004812377
Layer: 1
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 0.0
Formation End Depth: 0.3100000023841858
Formation End Depth UOM: m

Overburden and Bedrock
Materials Interval

Formation ID: 1004812379
Layer: 3
Color: 2
General Color: GREY
Mat1: 06
Most Common Material: SILT
Mat2: 05
Mat2 Desc: CLAY
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 1.5
Formation End Depth: 4.570000171661377
Formation End Depth UOM: m

Overburden and Bedrock

<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>
<u>Materials Interval</u>					
Formation ID:		1004812378			
Layer:		2			
Color:		4			
General Color:		GREEN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		77			
Mat2 Desc:		LOOSE			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.3100000023841858			
Formation End Depth:		1.5			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004812387			
Layer:		1			
Plug From:		0.0			
Plug To:		0.3100000023841858			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004812389			
Layer:		3			
Plug From:		1.2200000286102295			
Plug To:		4.369999885559082			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004812388			
Layer:		2			
Plug From:		0.3100000023841858			
Plug To:		1.2200000286102295			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004812386			
Method Construction Code:		B			
Method Construction:		Other Method			
Other Method Construction:		DIRECT PUSH			
<u>Pipe Information</u>					
Pipe ID:		1004812376			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004812382			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer: 1 Material: 5 Open Hole or Material: PLASTIC Depth From: 0.0 Depth To: 1.5 Casing Diameter: 4.03000020980835 Casing Diameter UOM: cm Casing Depth UOM: m					
<u>Construction Record - Screen</u>					
Screen ID: 1004812383 Layer: 1 Slot: 10 Screen Top Depth: 1.5 Screen End Depth: 4.570000171661377 Screen Material: 5 Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 4.820000171661377					
<u>Water Details</u>					
Water ID: 1004812381 Layer: Kind Code: Kind: Water Found Depth: Water Found Depth UOM: m					
<u>Hole Diameter</u>					
Hole ID: 1004812380 Diameter: 8.25 Depth From: 0.0 Depth To: 4.570000171661377 Hole Depth UOM: m Hole Diameter UOM: cm					
<u>Links</u>					
Bore Hole ID: 1004398040 Depth M: 4.57 Year Completed: 2013 Well Completed Dt: 2013/05/28 Audit No: Z168616		Tag No: A146650 Contractor: 7241 Path: 720\7204293.pdf Latitude: 45.3521647376386 Longitude: -75.8353273841574			
11	1 of 16	E/122.9	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					
11	2 of 16	E/122.9	63.8 / -0.09	C CORP (ONTARIO) INC ATTN ACCOUNTS PAYABLE 3410 CARLING AV STATION 7013	PRT

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

OTTAWA ON

Location ID: 10907
 Type: retail
 Expiry Date: 1995-12-31
 Capacity (L): 58800
 Licence #: 0053985001

11	3 of 16	E/122.9	63.8 / -0.09	MAC'S CONVENIENCE STORES INC** 3410 CARLING AVE STATION 7013 NEPEAN ON K2H 5B1	DTNK
--------------------	---------	---------	--------------	--	------

Delisted Expired Fuel Safety Facilities

Instance No:	9777204	Expired Date:	11/2/1994
Status:	EXPIRED	Max Hazard Rank:	
Instance ID:		Facility Location:	
Instance Type:	FS Facility	Facility Type:	
Instance Creation Dt:		Fuel Type 2:	
Instance Install Dt:		Fuel Type 3:	
Item Description:		Panam Related:	
Manufacturer:		Panam Venue Nm:	
Model:		External Identifier:	
Serial No:		Item:	
ULC Standard:		Piping Steel:	
Quantity:		Piping Galvanized:	
Unit of Measure:		Tank Single Wall St:	
Overfill Prot Type:		Piping Underground:	
Creation Date:		Tank Underground:	
Next Periodic Str DT:		Source:	
TSSA Base Sched Cycle 2:			
TSSAMax Hazard Rank 1:			
TSSA Risk Based Periodic Yn:			
TSSA Volume of Directives:			
TSSA Periodic Exempt:			
TSSA Statutory Interval:			
TSSA Recd Insp Interva:			
TSSA Recd Tolerance:			
TSSA Program Area:			
TSSA Program Area 2:			
Description:			
Original Source:	EXP		
Record Date:	Up to May 2013		

11	4 of 16	E/122.9	63.8 / -0.09	TOP VALU GAS BAR BOB MITCHELL 3410 CARLING AV NEPEAN ON	DTNK
--------------------	---------	---------	--------------	---	------

Delisted Expired Fuel Safety Facilities

Instance No:	10102271	Expired Date:	
Status:	EXPIRED	Max Hazard Rank:	
Instance ID:	12019	Facility Location:	
Instance Type:	FS Facility	Facility Type:	
Instance Creation Dt:		Fuel Type 2:	
Instance Install Dt:		Fuel Type 3:	
Item Description:		Panam Related:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Manufacturer: Model: Serial No: ULC Standard: Quantity: Unit of Measure: Overfill Prot Type: Creation Date: Next Periodic Str DT: TSSA Base Sched Cycle 2: TSSAMax Hazard Rank 1: TSSA Risk Based Periodic Yn: TSSA Volume of Directives: TSSA Periodic Exempt: TSSA Statutory Interval: TSSA Recd Insp Interva: TSSA Recd Tolerance: TSSA Program Area: TSSA Program Area 2:		Description: Original Source: Record Date:		Panam Venue Nm: External Identifier: Item: Piping Steel: Piping Galvanized: Tank Single Wall St: Piping Underground: Tank Underground: Source:	
		FS Propane Cylr Handling Facility			
		EXP			
		Up to Mar 2012			

11	5 of 16	E/122.9	63.8 / -0.09	MAC'S CONVENIENCE STORES INC** 3410 CARLING AVE STATION 7013 NEPEAN ON	DTNK
--------------------	---------	---------	--------------	--	------

Delisted Expired Fuel Safety Facilities

Instance No: Status: Instance ID: Instance Type: Instance Creation Dt: Instance Install Dt: Item Description: Manufacturer: Model: Serial No: ULC Standard: Quantity: Unit of Measure: Overfill Prot Type: Creation Date: Next Periodic Str DT: TSSA Base Sched Cycle 2: TSSAMax Hazard Rank 1: TSSA Risk Based Periodic Yn: TSSA Volume of Directives: TSSA Periodic Exempt: TSSA Statutory Interval: TSSA Recd Insp Interva: TSSA Recd Tolerance: TSSA Program Area: TSSA Program Area 2:	10902065 EXPIRED 50567 FS Piping	Expired Date: Max Hazard Rank: Facility Location: Facility Type: Fuel Type 2: Fuel Type 3: Panam Related: Panam Venue Nm: External Identifier: Item: Piping Steel: Piping Galvanized: Tank Single Wall St: Piping Underground: Tank Underground: Source:	
Description: Original Source: Record Date:	FS Piping EXP Up to Mar 2012		

11	6 of 16	E/122.9	63.8 / -0.09	MAC'S CONVENIENCE STORES INC** 3410 CARLING AVE STATION 7013	DTNK
--------------------	---------	---------	--------------	---	------

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
NEPEAN ON					
<u>Delisted Expired Fuel Safety Facilities</u>					
Instance No:	10902050			Expired Date:	
Status:	EXPIRED			Max Hazard Rank:	
Instance ID:	50778			Facility Location:	
Instance Type:	FS Piping			Facility Type:	
Instance Creation Dt:				Fuel Type 2:	
Instance Install Dt:				Fuel Type 3:	
Item Description:				Panam Related:	
Manufacturer:				Panam Venue Nm:	
Model:				External Identifier:	
Serial No:				Item:	
ULC Standard:				Piping Steel:	
Quantity:				Piping Galvanized:	
Unit of Measure:				Tank Single Wall St:	
Overfill Prot Type:				Piping Underground:	
Creation Date:				Tank Underground:	
Next Periodic Str DT:				Source:	
TSSA Base Sched Cycle 2:					
TSSAMax Hazard Rank 1:					
TSSA Risk Based Periodic Yn:					
TSSA Volume of Directives:					
TSSA Periodic Exempt:					
TSSA Statutory Interval:					
TSSA Recd Insp Interva:					
TSSA Recd Tolerance:					
TSSA Program Area:					
TSSA Program Area 2:					
Description:		FS Piping			
Original Source:		EXP			
Record Date:		Up to Mar 2012			

11	7 of 16	E/122.9	63.8 / -0.09	MAC'S CONVENIENCE STORES INC** 3410 CARLING AVE STATION 7013 NEPEAN ON	DTNK
--------------------	---------	---------	--------------	--	------

Delisted Expired Fuel Safety Facilities

Instance No:	10902084			Expired Date:	
Status:	EXPIRED			Max Hazard Rank:	
Instance ID:	51005			Facility Location:	
Instance Type:	FS Piping			Facility Type:	
Instance Creation Dt:				Fuel Type 2:	
Instance Install Dt:				Fuel Type 3:	
Item Description:				Panam Related:	
Manufacturer:				Panam Venue Nm:	
Model:				External Identifier:	
Serial No:				Item:	
ULC Standard:				Piping Steel:	
Quantity:				Piping Galvanized:	
Unit of Measure:				Tank Single Wall St:	
Overfill Prot Type:				Piping Underground:	
Creation Date:				Tank Underground:	
Next Periodic Str DT:				Source:	
TSSA Base Sched Cycle 2:					
TSSAMax Hazard Rank 1:					
TSSA Risk Based Periodic Yn:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
TSSA Volume of Directives: TSSA Periodic Exempt: TSSA Statutory Interval: TSSA Recd Insp Interva: TSSA Recd Tolerance: TSSA Program Area: TSSA Program Area 2: Description: FS Piping Original Source: EXP Record Date: Up to Mar 2012					

11	8 of 16	E/122.9	63.8 / -0.09	MAC'S CONVENIENCE STORES INC** 3410 CARLING AVE STATION 7013 NEPEAN ON	DTNK
--------------------	---------	---------	--------------	--	------

Delisted Expired Fuel Safety Facilities

Instance No: 10902102 Status: EXPIRED Instance ID: 51190 Instance Type: FS Piping Instance Creation Dt: Instance Install Dt: Item Description: Manufacturer: Model: Serial No: ULC Standard: Quantity: Unit of Measure: Overfill Prot Type: Creation Date: Next Periodic Str DT: TSSA Base Sched Cycle 2: TSSAMax Hazard Rank 1: TSSA Risk Based Periodic Yn: TSSA Volume of Directives: TSSA Periodic Exempt: TSSA Statutory Interval: TSSA Recd Insp Interva: TSSA Recd Tolerance: TSSA Program Area: TSSA Program Area 2: Description: FS Piping Original Source: EXP Record Date: Up to Mar 2012	Expired Date: Max Hazard Rank: Facility Location: Facility Type: Fuel Type 2: Fuel Type 3: Panam Related: Panam Venue Nm: External Identifier: Item: Piping Steel: Piping Galvanized: Tank Single Wall St: Piping Underground: Tank Underground: Source:
---	---

11	9 of 16	E/122.9	63.8 / -0.09	MAC'S CONVENIENCE STORES INC 3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	DTNK
--------------------	---------	---------	--------------	---	------

Delisted Expired Fuel Safety Facilities

Instance No: 10902073 Status: EXPIRED Instance ID: Instance Type:	Expired Date: Max Hazard Rank: NULL Facility Location: 3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA Facility Type: FS LIQUID FUEL TANK
--	--

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Instance Creation Dt:	6/29/1992			Fuel Type 2:	NULL
Instance Install Dt:	6/29/1992			Fuel Type 3:	NULL
Item Description:	FS Liquid Fuel Tank			Panam Related:	NULL
Manufacturer:	NULL			Panam Venue Nm:	NULL
Model:	NULL			External Identifier:	NULL
Serial No:	NULL			Item:	
ULC Standard:	NULL			Piping Steel:	
Quantity:	1			Piping Galvanized:	
Unit of Measure:	EA			Tank Single Wall St:	
Overfill Prot Type:	NULL			Piping Underground:	
Creation Date:	7/5/2009 1:22:01 AM			Tank Underground:	
Next Periodic Str DT:	NULL			Source:	FS Liquid Fuel Tank
TSSA Base Sched Cycle 2:	NULL				
TSSAMax Hazard Rank 1:	NULL				
TSSA Risk Based Periodic Yn:	NULL				
TSSA Volume of Directives:	NULL				
TSSA Periodic Exempt:	NULL				
TSSA Statutory Interval:	NULL				
TSSA Recd Insp Interva:	NULL				
TSSA Recd Tolerance:	NULL				
TSSA Program Area:	NULL				
TSSA Program Area 2:	NULL				
Description:	UNDERGROUND TANK				
Original Source:	EXP				
Record Date:	31-JUL-2020				

11	10 of 16	E/122.9	63.8 / -0.09	MAC'S CONVENIENCE STORES INC 3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	DTNK
--------------------	----------	---------	--------------	---	------

Delisted Expired Fuel Safety Facilities

Instance No:	10902093			Expired Date:	NULL
Status:	EXPIRED			Max Hazard Rank:	NULL
Instance ID:				Facility Location:	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA
Instance Type:				Facility Type:	FS LIQUID FUEL TANK
Instance Creation Dt:	6/29/1992			Fuel Type 2:	NULL
Instance Install Dt:	6/29/1992			Fuel Type 3:	NULL
Item Description:	FS Liquid Fuel Tank			Panam Related:	NULL
Manufacturer:	NULL			Panam Venue Nm:	NULL
Model:	NULL			External Identifier:	NULL
Serial No:	NULL			Item:	
ULC Standard:	NULL			Piping Steel:	
Quantity:	1			Piping Galvanized:	
Unit of Measure:	EA			Tank Single Wall St:	
Overfill Prot Type:	NULL			Piping Underground:	
Creation Date:	7/5/2009 1:22:05 AM			Tank Underground:	
Next Periodic Str DT:	NULL			Source:	FS Liquid Fuel Tank
TSSA Base Sched Cycle 2:	NULL				
TSSAMax Hazard Rank 1:	NULL				
TSSA Risk Based Periodic Yn:	NULL				
TSSA Volume of Directives:	NULL				
TSSA Periodic Exempt:	NULL				
TSSA Statutory Interval:	NULL				
TSSA Recd Insp Interva:	NULL				
TSSA Recd Tolerance:	NULL				
TSSA Program Area:	NULL				
TSSA Program Area 2:	NULL				
Description:	UNDERGROUND TANK				
Original Source:	EXP				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Record Date:		31-JUL-2020			

[11](#) 11 of 16 E/122.9 63.8 / -0.09 MAC'S CONVENIENCE STORES INC 3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON DTNK

Delisted Expired Fuel Safety Facilities

Instance No:	10902041	Expired Date:	
Status:	EXPIRED	Max Hazard Rank:	NULL
Instance ID:		Facility Location:	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA
Instance Type:		Facility Type:	FS LIQUID FUEL TANK
Instance Creation Dt:	6/29/1992	Fuel Type 2:	NULL
Instance Install Dt:	6/29/1992	Fuel Type 3:	NULL
Item Description:	FS Liquid Fuel Tank	Panam Related:	NULL
Manufacturer:	NULL	Panam Venue Nm:	NULL
Model:	NULL	External Identifier:	NULL
Serial No:	NULL	Item:	
ULC Standard:	NULL	Piping Steel:	
Quantity:	1	Piping Galvanized:	
Unit of Measure:	EA	Tank Single Wall St:	
Overfill Prot Type:	NULL	Piping Underground:	
Creation Date:	7/5/2009 1:22:05 AM	Tank Underground:	
Next Periodic Str DT:	NULL	Source:	FS Liquid Fuel Tank
TSSA Base Sched Cycle 2:	NULL		
TSSAMax Hazard Rank 1:	NULL		
TSSA Risk Based Periodic Yn:	NULL		
TSSA Volume of Directives:	NULL		
TSSA Periodic Exempt:	NULL		
TSSA Statutory Interval:	NULL		
TSSA Recd Insp Interva:	NULL		
TSSA Recd Tolerance:	NULL		
TSSA Program Area:	NULL		
TSSA Program Area 2:	NULL		
Description:	UNDERGROUND TANK		
Original Source:	EXP		
Record Date:	31-JUL-2020		

[11](#) 12 of 16 E/122.9 63.8 / -0.09 MAC'S CONVENIENCE STORES INC 3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON DTNK

Delisted Expired Fuel Safety Facilities

Instance No:	10902056	Expired Date:	
Status:	EXPIRED	Max Hazard Rank:	NULL
Instance ID:		Facility Location:	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA
Instance Type:		Facility Type:	FS LIQUID FUEL TANK
Instance Creation Dt:	6/29/1992	Fuel Type 2:	NULL
Instance Install Dt:	6/29/1992	Fuel Type 3:	NULL
Item Description:	FS Liquid Fuel Tank	Panam Related:	NULL
Manufacturer:	NULL	Panam Venue Nm:	NULL
Model:	NULL	External Identifier:	NULL
Serial No:	NULL	Item:	
ULC Standard:	NULL	Piping Steel:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Quantity:	1			Piping Galvanized:	
Unit of Measure:	EA			Tank Single Wall St:	
Overfill Prot Type:	NULL			Piping Underground:	
Creation Date:	7/5/2009 1:22:12 AM			Tank Underground:	
Next Periodic Str DT:	NULL			Source:	FS Liquid Fuel Tank
TSSA Base Sched Cycle 2:	NULL				
TSSAMax Hazard Rank 1:	NULL				
TSSA Risk Based Periodic Yn:	NULL				
TSSA Volume of Directives:	NULL				
TSSA Periodic Exempt:	NULL				
TSSA Statutory Interval:	NULL				
TSSA Recd Insp Interva:	NULL				
TSSA Recd Tolerance:	NULL				
TSSA Program Area:	NULL				
TSSA Program Area 2:	NULL				
Description:	UNDERGROUND TANK				
Original Source:	EXP				
Record Date:	31-JUL-2020				

11	13 of 16	E/122.9	63.8 / -0.09	MAC'S CONVENIENCE STORES INC 3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	FST
Instance No:	10902056			Manufacturer:	
Status:				Serial No:	
Cont Name:				Ulc Standard:	
Instance Type:				Quantity:	
Item:				Unit of Measure:	
Item Description:	FS Liquid Fuel Tank			Fuel Type:	Gasoline
Tank Type:	Liquid Fuel Single Wall UST			Fuel Type2:	NULL
Install Date:	6/29/1992			Fuel Type3:	NULL
Install Year:	1975			Piping Steel:	
Years in Service:				Piping Galvanized:	
Model:	NULL			Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:	9000			No Underground:	
Tank Material:	Steel			Panam Related:	
Corrosion Protect:	Sacrificial anode			Panam Venue:	
Overfill Protect:					
Facility Type:	FS Liquid Fuel Tank				
Parent Facility Type:					
Facility Location:					
Device Installed Location:	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA				
Liquid Fuel Tank Details					
Overfill Protection:					
Owner Account Name:	MAC'S CONVENIENCE STORES INC				
Item:	FS LIQUID FUEL TANK				

11	14 of 16	E/122.9	63.8 / -0.09	MAC'S CONVENIENCE STORES INC 3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	FST
Instance No:	10902073			Manufacturer:	
Status:				Serial No:	
Cont Name:				Ulc Standard:	
Instance Type:				Quantity:	
Item:				Unit of Measure:	
Item Description:	FS Liquid Fuel Tank			Fuel Type:	Gasoline
Tank Type:	Liquid Fuel Single Wall UST			Fuel Type2:	NULL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Install Date:	6/29/1992			Fuel Type3:	NULL
Install Year:	1975			Piping Steel:	
Years in Service:				Piping Galvanized:	
Model:	NULL			Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:	18100			No Underground:	
Tank Material:	Steel			Panam Related:	
Corrosion Protect:	Sacrificial anode			Panam Venue:	
Overfill Protect:					
Facility Type:		FS Liquid Fuel Tank			
Parent Facility Type:					
Facility Location:					
Device Installed Location:		3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA			

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: MAC'S CONVENIENCE STORES INC
Item: FS LIQUID FUEL TANK

11	15 of 16	E/122.9	63.8 / -0.09	MAC'S CONVENIENCE STORES INC 3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	FST
--------------------	----------	---------	--------------	---	-----

Instance No:	10902093	Manufacturer:	
Status:		Serial No:	
Cont Name:		Ulc Standard:	
Instance Type:		Quantity:	
Item:		Unit of Measure:	
Item Description:	FS Liquid Fuel Tank	Fuel Type:	Gasoline
Tank Type:	Liquid Fuel Single Wall UST	Fuel Type2:	NULL
Install Date:	6/29/1992	Fuel Type3:	NULL
Install Year:	1975	Piping Steel:	
Years in Service:		Piping Galvanized:	
Model:	NULL	Tanks Single Wall St:	
Description:		Piping Underground:	
Capacity:	9000	No Underground:	
Tank Material:	Steel	Panam Related:	
Corrosion Protect:	Sacrificial anode	Panam Venue:	
Overfill Protect:			
Facility Type:		FS Liquid Fuel Tank	
Parent Facility Type:			
Facility Location:			
Device Installed Location:		3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA	

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: MAC'S CONVENIENCE STORES INC
Item: FS LIQUID FUEL TANK

11	16 of 16	E/122.9	63.8 / -0.09	MAC'S CONVENIENCE STORES INC 3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA ON	FST
--------------------	----------	---------	--------------	---	-----

Instance No:	10902041	Manufacturer:	
Status:		Serial No:	
Cont Name:		Ulc Standard:	
Instance Type:		Quantity:	
Item:		Unit of Measure:	
Item Description:	FS Liquid Fuel Tank	Fuel Type:	Gasoline

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Tank Type:	Liquid Fuel Single Wall UST			Fuel Type2:	NULL
Install Date:	6/29/1992			Fuel Type3:	NULL
Install Year:	1975			Piping Steel:	
Years in Service:				Piping Galvanized:	
Model:	NULL			Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:	23700			No Underground:	
Tank Material:	Steel			Panam Related:	
Corrosion Protect:	Sacrificial anode			Panam Venue:	
Overfill Protect:					
Facility Type:	FS Liquid Fuel Tank				
Parent Facility Type:					
Facility Location:					
Device Installed Location:	3410 CARLING AVE STATION 7013 NEPEAN K2H 5B1 ON CA				

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: MAC'S CONVENIENCE STORES INC
Item: FS LIQUID FUEL TANK

[12](#) 1 of 1 **E/123.8** **64.9 / 1.00** **4 CRYSTAL BEACH DR**
Ottawa ON **WWIS**

Well ID:	7190965	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:	Monitoring and Test Hole	Data Entry Status:	
Use 2nd:	0	Data Src:	
Final Well Status:	Test Hole	Date Received:	09-Nov-2012 00:00:00
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:	Z156931	Contractor:	7241
Tag:	A135014	Form Version:	7
Constructn Method:		Owner:	
Elevation (m):		County:	OTTAWA-CARLETON
Elevatn Reliabilty:		Lot:	
Depth to Bedrock:		Concession:	
Well Depth:		Concession Name:	
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 2012/10/22
Year Completed: 2012
Depth (m): 6.1
Latitude: 45.3519399140648
Longitude: -75.8352985440505
Path:

Bore Hole Information

Bore Hole ID:	1004199539	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434570.00

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Code OB Desc:				North83:	5022387.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	22-Oct-2012 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Overburden and Bedrock

Materials Interval

Formation ID: 1004486662
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 0.0
Formation End Depth: 0.6100000143051147
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1004486663
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 06
Mat2 Desc: SILT
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 0.6100000143051147
Formation End Depth: 5.179999828338623
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1004486664
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: 5.179999828338623
Formation End Depth: 6.099999904632568
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>
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004486674			
Layer:		3			
Plug From:		2.740000009536743			
Plug To:		6.099999904632568			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004486672			
Layer:		1			
Plug From:		0.0			
Plug To:		0.3100000023841858			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004486673			
Layer:		2			
Plug From:		0.3100000023841858			
Plug To:		2.740000009536743			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004486671			
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1004486661			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004486667			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		3.0999999046325684			
Casing Diameter:		4.03000020980835			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1004486668			
Layer:		1			
Slot:		10			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Top Depth:		3.0999999046325684			
Screen End Depth:		6.099999904632568			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.820000171661377			
<u>Water Details</u>					
Water ID:		1004486666			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1004486665			
Diameter:		8.25			
Depth From:		0.0			
Depth To:		6.099999904632568			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Links</u>					
Bore Hole ID:	1004199539			Tag No:	A135014
Depth M:	6.1			Contractor:	7241
Year Completed:	2012			Path:	719\7190965.pdf
Well Completed Dt:	2012/10/22			Latitude:	45.3519399140648
Audit No:	Z156931			Longitude:	-75.8352985440505

13	1 of 1	E/125.1	65.0 / 1.08	4 CRYSTAL BEACH RD OTTAWA ON	WWIS
Well ID:	7216113			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring and Test Hole			Data Entry Status:	
Use 2nd:	0			Data Src:	
Final Well Status:	Abandoned-Other			Date Received:	10-Feb-2014 00:00:00
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	Yes
Audit No:	Z179994			Contractor:	7241
Tag:	A141802			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP				
Site Info:					
PDF URL (Map):					
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:	2013/12/12				

<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>Year Completed:</i>		2013			
<i>Depth (m):</i>					
<i>Latitude:</i>		45.352012104072			
<i>Longitude:</i>		-75.8352740734026			
<i>Path:</i>					
<u>Bore Hole Information</u>					
<i>Bore Hole ID:</i>	1004706997			<i>Elevation:</i>	
<i>DP2BR:</i>				<i>Elevrc:</i>	
<i>Spatial Status:</i>				<i>Zone:</i>	18
<i>Code OB:</i>				<i>East83:</i>	434572.00
<i>Code OB Desc:</i>				<i>North83:</i>	5022395.00
<i>Open Hole:</i>				<i>Org CS:</i>	UTM83
<i>Cluster Kind:</i>				<i>UTMRC:</i>	4
<i>Date Completed:</i>	12-Dec-2013 00:00:00			<i>UTMRC Desc:</i>	margin of error : 30 m - 100 m
<i>Remarks:</i>				<i>Location Method:</i>	wwr
<i>Loc Method Desc:</i>		on Water Well Record			
<i>Elevrc Desc:</i>					
<i>Location Source Date:</i>					
<i>Improvement Location Source:</i>					
<i>Improvement Location Method:</i>					
<i>Source Revision Comment:</i>					
<i>Supplier Comment:</i>					
<u>Annular Space/Abandonment Sealing Record</u>					
<i>Plug ID:</i>		1005074982			
<i>Layer:</i>		3			
<i>Plug From:</i>		1.8300000429153442			
<i>Plug To:</i>					
<i>Plug Depth UOM:</i>		m			
<u>Annular Space/Abandonment Sealing Record</u>					
<i>Plug ID:</i>		1005074980			
<i>Layer:</i>		1			
<i>Plug From:</i>		0.0			
<i>Plug To:</i>		0.3100000023841858			
<i>Plug Depth UOM:</i>		m			
<u>Annular Space/Abandonment Sealing Record</u>					
<i>Plug ID:</i>		1005074981			
<i>Layer:</i>		2			
<i>Plug From:</i>		0.3100000023841858			
<i>Plug To:</i>		1.8300000429153442			
<i>Plug Depth UOM:</i>		m			
<u>Method of Construction & Well Use</u>					
<i>Method Construction ID:</i>		1005074979			
<i>Method Construction Code:</i>					
<i>Method Construction:</i>					
<i>Other Method Construction:</i>					
<u>Pipe Information</u>					

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

Pipe ID: 1005074971
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005074975
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To:
Casing Diameter: 10.0
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1005074976
Layer: 1
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 10.920000076293945

Water Details

Water ID: 1005074974
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1005074973
Diameter: 20.31999969482422
Depth From: 0.0
Depth To: 1.8300000429153442
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

Bore Hole ID:	1004706997	Tag No:	A141802
Depth M:		Contractor:	7241
Year Completed:	2013	Path:	721\7216113.pdf
Well Completed Dt:	2013/12/12	Latitude:	45.352012104072
Audit No:	Z179994	Longitude:	-75.8352740734026

14	1 of 1	E/125.8	65.0 / 1.08	4 CRYSTAL BEACH RD OTTAWA ON	WWIS
--------------------	--------	---------	-------------	---------------------------------	------

Well ID:	7216117	Flowing (Y/N):	
Construction Date:		Flow Rate:	

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

Use 1st: Monitoring and Test Hole
Use 2nd: 0
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z179995
Tag: A141805
Constructn Method:
Elevation (m):
Elevatn Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Data Entry Status:
Data Src:
Date Received: 10-Feb-2014 00:00:00
Selected Flag: TRUE
Abandonment Rec: Yes
Contractor: 7241
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 2013/12/12
Year Completed: 2013
Depth (m):
Latitude: 45.3520571994852
Longitude: -75.8352619704555
Path:

Bore Hole Information

Bore Hole ID: 1004707009
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 12-Dec-2013 00:00:00
Remarks:
Loc Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 434573.00
North83: 5022400.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1005075028
Layer: 1
Plug From: 0.0
Plug To: 0.3100000023841858
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005075029

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		2			
Plug From:		0.3100000023841858			
Plug To:		1.8300000429153442			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1005075027			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1005075019			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1005075023			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:					
Casing Diameter:		4.03000020980835			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
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:		4.820000171661377			
<u>Water Details</u>					
Water ID:		1005075022			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1005075021			
Diameter:		20.31999969482422			
Depth From:		0.0			
Depth To:		1.8300000429153442			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

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

Links

Bore Hole ID:	1004707009	Tag No:	A141805
Depth M:		Contractor:	7241
Year Completed:	2013	Path:	721\7216117.pdf
Well Completed Dt:	2013/12/12	Latitude:	45.3520571994852
Audit No:	Z179995	Longitude:	-75.8352619704555

15	1 of 1	E/126.1	64.9 / 1.00	4 CRYSTAL BEACH RD OTTAWA ON	WWIS
--------------------	--------	---------	-------------	---------------------------------	------

Well ID:	7216118	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:	Monitoring and Test Hole	Data Entry Status:	
Use 2nd:	0	Data Src:	
Final Well Status:	Abandoned-Other	Date Received:	10-Feb-2014 00:00:00
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	Yes
Audit No:	Z179992	Contractor:	7241
Tag:	A135015	Form Version:	7
Constructn Method:		Owner:	
Elevation (m):		County:	OTTAWA-CARLETON
Elevatn Reliabilty:		Lot:	
Depth to Bedrock:		Concession:	
Well Depth:		Concession Name:	
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date:	2013/12/12
Year Completed:	2013
Depth (m):	
Latitude:	45.3518680041256
Longitude:	-75.8352847198986
Path:	

Bore Hole Information

Bore Hole ID:	1004707012	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434571.00
Code OB Desc:		North83:	5022379.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	12-Dec-2013 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

<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>
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005075039			
Layer:		1			
Plug From:		0.0			
Plug To:		0.3100000023841858			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005075040			
Layer:		2			
Plug From:		0.3100000023841858			
Plug To:		1.8300000429153442			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005075041			
Layer:		3			
Plug From:		1.8300000429153442			
Plug To:		4.880000114440918			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1005075038			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1005075030			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1005075034			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:					
Casing Diameter:		4.03000020980835			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1005075035			
Layer:		1			
Slot:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Top Depth:					
Screen End Depth:					
Screen Material: 5					
Screen Depth UOM: m					
Screen Diameter UOM: cm					
Screen Diameter: 4.820000171661377					
<u>Water Details</u>					
Water ID: 1005075033					
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM: m					
<u>Hole Diameter</u>					
Hole ID: 1005075032					
Diameter: 20.31999969482422					
Depth From: 0.0					
Depth To: 1.8300000429153442					
Hole Depth UOM: m					
Hole Diameter UOM: cm					
<u>Links</u>					
Bore Hole ID: 1004707012		Tag No: A135015			
Depth M:		Contractor: 7241			
Year Completed: 2013		Path: 721\7216118.pdf			
Well Completed Dt: 2013/12/12		Latitude: 45.3518680041256			
Audit No: Z179992		Longitude: -75.8352847198986			

16	1 of 1	E/126.8	65.0 / 1.08	4 CRYSTAL BEACH ROAD OTTAWA ON	WWIS
Well ID: 7216112		Flowing (Y/N):			
Construction Date:		Flow Rate:			
Use 1st: Monitoring and Test Hole		Data Entry Status:			
Use 2nd: 0		Data Src:			
Final Well Status: Abandoned-Other		Date Received: 10-Feb-2014 00:00:00			
Water Type:		Selected Flag: TRUE			
Casing Material:		Abandonment Rec: Yes			
Audit No: Z179998		Contractor: 7241			
Tag: A141803		Form Version: 7			
Constructn Method:		Owner:			
Elevation (m):		County: OTTAWA-CARLETON			
Elevatn Reliabilty:		Lot:			
Depth to Bedrock:		Concession:			
Well Depth:		Concession Name:			
Overburden/Bedrock:		Easting NAD83:			
Pump Rate:		Northing NAD83:			
Static Water Level:		Zone:			
Clear/Cloudy:		UTM Reliability:			
Municipality: NEPEAN TOWNSHIP					
Site Info:					
PDF URL (Map):					
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: 2013/12/12					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Year Completed:		2013			
Depth (m):					
Latitude:		45.3521202957204			
Longitude:		-75.8352501322862			
Path:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1004706994			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	434574.00
Code OB Desc:				North83:	5022407.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	12-Dec-2013 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1005074970				
Layer:	2				
Plug From:	0.3100000023841858				
Plug To:	1.8300000429153442				
Plug Depth UOM:	m				
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1005074969				
Layer:	1				
Plug From:	0.0				
Plug To:	0.3100000023841858				
Plug Depth UOM:	m				
<u>Method of Construction & Well Use</u>					
Method Construction ID:	1005074968				
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	1005074960				
Casing No:	0				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	1005074964				

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

Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To:
Casing Diameter: 10.0
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1005074965
Layer: 1
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 10.010000228881836

Water Details

Water ID: 1005074963
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1005074962
Diameter: 20.31999969482422
Depth From: 0.0
Depth To: 1.0299999713897705
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

Bore Hole ID: 1004706994	Tag No: A141803
Depth M:	Contractor: 7241
Year Completed: 2013	Path: 721\7216112.pdf
Well Completed Dt: 2013/12/12	Latitude: 45.3521202957204
Audit No: Z179998	Longitude: -75.8352501322862

17	1 of 1	E/130.8	65.0 / 1.08	4 CRYSTAL BEACH DR Ottawa ON	WWIS
--------------------	--------	---------	-------------	---------------------------------	------

Well ID: 7190964	Flowing (Y/N):
Construction Date:	Flow Rate:
Use 1st: Monitoring and Test Hole	Data Entry Status:
Use 2nd: 0	Data Src:
Final Well Status: Test Hole	Date Received: 09-Nov-2012 00:00:00
Water Type:	Selected Flag: TRUE
Casing Material:	Abandonment Rec:
Audit No: Z156930	Contractor: 7241
Tag: A135016	Form Version: 7
Constructn Method:	Owner:
Elevation (m):	County: OTTAWA-CARLETON
Elevatn Reliabilty:	Lot:

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

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

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

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 2012/10/02
Year Completed: 2012
Depth (m): 6.1
Latitude: 45.3520846674706
Longitude: -75.8351985428459
Path:

Bore Hole Information

Bore Hole ID:	1004199536	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434578.00
Code OB Desc:		North83:	5022403.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	02-Oct-2012 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID: 1004486648
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 0.0
Formation End Depth: 0.6100000143051147
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1004486649
Layer: 2
Color: 6

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
General Color:		BROWN			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		85			
Mat2 Desc:		SOFT			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.6100000143051147			
Formation End Depth:		4.570000171661377			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004486650			
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:		4.570000171661377			
Formation End Depth:		6.099999904632568			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004486660			
Layer:		3			
Plug From:		2.740000009536743			
Plug To:		6.099999904632568			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004486659			
Layer:		2			
Plug From:		0.3100000023841858			
Plug To:		2.740000009536743			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004486658			
Layer:		1			
Plug From:		0.0			
Plug To:		0.3100000023841858			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004486657			
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					

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

Pipe Information

Pipe ID: 1004486647
 Casing No: 0
 Comment:
 Alt Name:

Construction Record - Casing

Casing ID: 1004486653
 Layer: 1
 Material: 5
 Open Hole or Material: PLASTIC
 Depth From: 0.0
 Depth To: 3.0999999046325684
 Casing Diameter: 4.03000020980835
 Casing Diameter UOM: cm
 Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1004486654
 Layer: 1
 Slot: 10
 Screen Top Depth: 3.0999999046325684
 Screen End Depth: 6.099999904632568
 Screen Material: 5
 Screen Depth UOM: m
 Screen Diameter UOM: cm
 Screen Diameter: 4.820000171661377

Water Details

Water ID: 1004486652
 Layer:
 Kind Code:
 Kind:
 Water Found Depth:
 Water Found Depth UOM: m

Hole Diameter

Hole ID: 1004486651
 Diameter: 8.25
 Depth From: 0.0
 Depth To: 6.099999904632568
 Hole Depth UOM: m
 Hole Diameter UOM: cm

Links

Bore Hole ID:	1004199536	Tag No:	A135016
Depth M:	6.1	Contractor:	7241
Year Completed:	2012	Path:	719\7190964.pdf
Well Completed Dt:	2012/10/02	Latitude:	45.3520846674706
Audit No:	Z156930	Longitude:	-75.8351985428459

18	1 of 1	E/130.9	63.8 / -0.09	4 CRYSTAL BEACH DR Ottawa ON	WWIS
--------------------	--------	---------	--------------	---------------------------------	------

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Well ID:	7190962			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring and Test Hole			Data Entry Status:	
Use 2nd:	0			Data Src:	
Final Well Status:	Test Hole			Date Received:	09-Nov-2012 00:00:00
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z156927			Contractor:	7241
Tag:	A135017			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliability:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP				
Site Info:					
PDF URL (Map):					
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:	2012/10/02				
Year Completed:	2012				
Depth (m):	6.1				
Latitude:	45.3522375811231				
Longitude:	-75.8352135584802				
Path:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1004199530			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	434577.00
Code OB Desc:				North83:	5022420.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	02-Oct-2012 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	1004486622				
Layer:	3				
Color:	2				
General Color:	GREY				
Mat1:	06				
Most Common Material:	SILT				
Mat2:	05				
Mat2 Desc:	CLAY				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3:		08			
Mat3 Desc:		FINE SAND			
Formation Top Depth:		3.0999999046325684			
Formation End Depth:		6.099999904632568			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004486620			
Layer:		1			
Color:		8			
General Color:		BLACK			
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:					
Mat2 Desc:					
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		0.0			
Formation End Depth:		0.6100000143051147			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004486621			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		0.6100000143051147			
Formation End Depth:		3.0999999046325684			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004486630			
Layer:		1			
Plug From:		0.0			
Plug To:		0.3100000023841858			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004486632			
Layer:		3			
Plug From:		2.740000009536743			
Plug To:		6.099999904632568			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004486631			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:	2				
Plug From:		0.3100000023841858			
Plug To:		2.740000009536743			
Plug Depth UOM:	m				
<u>Method of Construction & Well Use</u>					
Method Construction ID:	1004486629				
Method Construction Code:	D				
Method Construction:	Direct Push				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	1004486619				
Casing No:	0				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	1004486625				
Layer:	1				
Material:	5				
Open Hole or Material:	PLASTIC				
Depth From:	0.0				
Depth To:	3.0999999046325684				
Casing Diameter:	4.03000020980835				
Casing Diameter UOM:	cm				
Casing Depth UOM:	m				
<u>Construction Record - Screen</u>					
Screen ID:	1004486626				
Layer:	1				
Slot:	10				
Screen Top Depth:	3.0999999046325684				
Screen End Depth:	6.099999904632568				
Screen Material:	5				
Screen Depth UOM:	m				
Screen Diameter UOM:	cm				
Screen Diameter:	4.820000171661377				
<u>Water Details</u>					
Water ID:	1004486624				
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:	m				
<u>Hole Diameter</u>					
Hole ID:	1004486623				
Diameter:	8.25				
Depth From:	0.0				
Depth To:	6.099999904632568				
Hole Depth UOM:	m				
Hole Diameter UOM:	cm				

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

Links

Bore Hole ID:	1004199530	Tag No:	A135017
Depth M:	6.1	Contractor:	7241
Year Completed:	2012	Path:	719\7190962.pdf
Well Completed Dt:	2012/10/02	Latitude:	45.3522375811231
Audit No:	Z156927	Longitude:	-75.8352135584802

19	1 of 1	E/131.9	65.0 / 1.08	4 CRYSTAL BEACH RD OTTAWA ON	WWIS
--------------------	--------	---------	-------------	---------------------------------	------

Well ID:	7216116	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:	Monitoring and Test Hole	Data Entry Status:	
Use 2nd:	0	Data Src:	
Final Well Status:	Abandoned-Other	Date Received:	10-Feb-2014 00:00:00
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	Yes
Audit No:	Z179996	Contractor:	7241
Tag:	A141806	Form Version:	7
Constructn Method:		Owner:	
Elevation (m):		County:	OTTAWA-CARLETON
Elevatn Reliability:		Lot:	
Depth to Bedrock:		Concession:	
Well Depth:		Concession Name:	
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date:	2013/12/12
Year Completed:	2013
Depth (m):	
Latitude:	45.3521297628758
Longitude:	-75.8351864398241
Path:	

Bore Hole Information

Bore Hole ID:	1004707006	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434579.00
Code OB Desc:		North83:	5022408.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	12-Dec-2013 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

<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>
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005075017			
Layer:		2			
Plug From:		0.3100000023841858			
Plug To:		1.8300000429153442			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005075016			
Layer:		1			
Plug From:		0.0			
Plug To:		0.3100000023841858			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005075018			
Layer:		3			
Plug From:		1.8300000429153442			
Plug To:		4.880000114440918			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1005075015			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1005075007			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1005075011			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:					
Casing Diameter:		4.03000020980835			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1005075012			
Layer:		1			
Slot:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM: m					
Screen Diameter UOM: cm					
Screen Diameter: 4.820000171661377					
<u>Water Details</u>					
Water ID: 1005075010					
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM: m					
<u>Hole Diameter</u>					
Hole ID: 1005075009					
Diameter: 20.31999969482422					
Depth From: 0.0					
Depth To: 1.8300000429153442					
Hole Depth UOM: m					
Hole Diameter UOM: cm					
<u>Links</u>					
Bore Hole ID: 1004707006					
Depth M:					
Year Completed: 2013					
Well Completed Dt: 2013/12/12					
Audit No: Z179996					
Tag No: A141806					
Contractor: 7241					
Path: 721\7216116.pdf					
Latitude: 45.3521297628758					
Longitude: -75.8351864398241					

20	1 of 1	E/132.8	65.0 / 1.08	3420 CARLING AVE Ottawa ON	WWIS
Well ID: 7204221					
Construction Date:					
Use 1st: Monitoring and Test Hole					
Use 2nd:					
Final Well Status: Test Hole					
Water Type:					
Casing Material:					
Audit No: Z168615					
Tag: A146633					
Constructn Method:					
Elevation (m):					
Elevatn Reliabilty:					
Depth to Bedrock:					
Well Depth:					
Overburden/Bedrock:					
Pump Rate:					
Static Water Level:					
Clear/Cloudy:					
Municipality: NEPEAN TOWNSHIP					
Site Info:					
PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7204221.pdf					
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: 2013/05/27					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Year Completed:		2013			
Depth (m):		4.57			
Latitude:		45.3520848541607			
Longitude:		-75.8351730129216			
Path:		720\7204221.pdf			

Bore Hole Information

Bore Hole ID:	1004395857	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434580.00
Code OB Desc:		North83:	5022403.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	27-May-2013 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	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:	0.3100000023841858
Formation End Depth:	1.5
Formation End Depth UOM:	m

Overburden and Bedrock

Materials Interval

Formation ID:	1004809356
Layer:	3
Color:	2
General Color:	GREY
Mat1:	06
Most Common Material:	SILT
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	1.5
Formation End Depth:	4.570000171661377
Formation End Depth UOM:	m

Overburden and Bedrock

Materials Interval

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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:		0.0			
Formation End Depth:		0.3100000023841858			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004809366			
Layer:		3			
Plug From:		1.2200000286102295			
Plug To:		4.570000171661377			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004809364			
Layer:		1			
Plug From:		0.0			
Plug To:		0.3100000023841858			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004809365			
Layer:		2			
Plug From:		0.3100000023841858			
Plug To:		1.2200000286102295			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004809363			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1004809353			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004809359			
Layer:		1			
Material:		5			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		1.5			
Casing Diameter:		4.03000020980835			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1004809360			
Layer:		1			
Slot:		10			
Screen Top Depth:		1.5			
Screen End Depth:		4.570000171661377			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.800000190734863			
<u>Water Details</u>					
Water ID:		1004809358			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1004809357			
Diameter:		0.20000000298023224			
Depth From:		0.0			
Depth To:		4.570000171661377			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Links</u>					
Bore Hole ID:		1004395857		Tag No: A146633	
Depth M:		4.57		Contractor: 7241	
Year Completed:		2013		Path: 7207204221.pdf	
Well Completed Dt:		2013/05/27		Latitude: 45.3520848541607	
Audit No:		Z168615		Longitude: -75.8351730129216	
21	1 of 1	E/135.8	65.0 / 1.08	4 CRYSTAL BEACH RD. ON	WWIS
Well ID:		7198893		Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:		Monitoring and Test Hole		Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:		Monitoring and Test Hole		Date Received: 20-Mar-2013 00:00:00	
Water Type:				Selected Flag: TRUE	
Casing Material:				Abandonment Rec:	
Audit No:		Z164424		Contractor: 7241	
Tag:		A141805		Form Version: 7	
Constructn Method:				Owner:	
Elevation (m):				County: OTTAWA-CARLETON	
Elevatn Reliabilty:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		NEPEAN TOWNSHIP			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/719\7198893.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		2013/02/27			
Year Completed:		2013			
Depth (m):		2.13			
Latitude:		45.3520941345971			
Longitude:		-75.8351348504146			
Path:		719\7198893.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:	1004265163			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	434583.00
Code OB Desc:				North83:	5022404.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	27-Feb-2013 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1004914784				
Layer:	1				
Color:	6				
General Color:	BROWN				
Mat1:	02				
Most Common Material:	TOPSOIL				
Mat2:	05				
Mat2 Desc:	CLAY				
Mat3:	85				
Mat3 Desc:	SOFT				
Formation Top Depth:	0.0				
Formation End Depth:	2.130000114440918				
Formation End Depth UOM:	m				
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:	1004914792				
Layer:	1				
Plug From:	0.0				
Plug To:	0.3100000023841858				
Plug 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>
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004914794			
Layer:		3			
Plug From:		2.130000114440918			
Plug To:		5.489999771118164			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004914793			
Layer:		2			
Plug From:		0.3100000023841858			
Plug To:		2.130000114440918			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004914791			
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1004914783			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004914787			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		2.440000057220459			
Casing Diameter:		4.03000020980835			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1004914788			
Layer:		1			
Slot:		10			
Screen Top Depth:		2.440000057220459			
Screen End Depth:		5.489999771118164			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.820000171661377			
<u>Water Details</u>					

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

Water ID: 1004914786
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1004914785
Diameter: 8.25
Depth From: 0.0
Depth To: 5.489999771118164
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

Bore Hole ID:	1004265163	Tag No:	A141805
Depth M:	2.13	Contractor:	7241
Year Completed:	2013	Path:	719\7198893.pdf
Well Completed Dt:	2013/02/27	Latitude:	45.3520941345971
Audit No:	Z164424	Longitude:	-75.8351348504146

22	1 of 2	E/135.8	65.0 / 1.08	4 CRYSTAL BEACH DR. OTTAWA ON	WWIS
--------------------	--------	----------------	--------------------	--	-------------

Well ID:	7198894	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:	Monitoring and Test Hole	Data Entry Status:	
Use 2nd:		Data Src:	
Final Well Status:	Monitoring and Test Hole	Date Received:	20-Mar-2013 00:00:00
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:	Z164457	Contractor:	7241
Tag:	A141803	Form Version:	7
Constructn Method:		Owner:	
Elevation (m):		County:	OTTAWA-CARLETON
Elevatn Reliability:		Lot:	
Depth to Bedrock:		Concession:	
Well Depth:		Concession Name:	
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/719\7198894.pdf

Additional Detail(s) (Map)

Well Completed Date: 2013/02/26
Year Completed: 2013
Depth (m): 5.49
Latitude: 45.3521121354211
Longitude: -75.8351351151745
Path: 719\7198894.pdf

Bore Hole Information

Bore Hole ID: 1004265166 **Elevation:**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	434583.00
Code OB Desc:				North83:	5022406.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	26-Feb-2013 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Overburden and Bedrock
Materials Interval

Formation ID: 1004914839
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: 0.3100000023841858
Formation End Depth: 2.130000114440918
Formation End Depth UOM: m

Overburden and Bedrock
Materials Interval

Formation ID: 1004914838
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 0.0
Formation End Depth: 0.3100000023841858
Formation End Depth UOM: m

Overburden and Bedrock
Materials Interval

Formation ID: 1004914840
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 06
Mat2 Desc: SILT
Mat3: 85
Mat3 Desc: SOFT

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:		2.130000114440918			
Formation End Depth:		5.489999771118164			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004914850			
Layer:		3			
Plug From:		2.130000114440918			
Plug To:		5.489999771118164			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004914849			
Layer:		2			
Plug From:		0.3100000023841858			
Plug To:		2.130000114440918			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004914848			
Layer:		1			
Plug From:		0.0			
Plug To:		0.3100000023841858			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004914847			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:		DIRECT PUSH			
<u>Pipe Information</u>					
Pipe ID:		1004914837			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004914843			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		2.490000009536743			
Casing Diameter:		10.15999984741211			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					

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

Screen ID: 1004914844
Layer: 1
Slot: 10
Screen Top Depth: 2.440000057220459
Screen End Depth: 5.489999771118164
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Water Details

Water ID: 1004914842
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1004914841
Diameter: 30.479999542236328
Depth From: 0.0
Depth To: 5.489999771118164
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

Bore Hole ID:	1004265166	Tag No:	A141803
Depth M:	5.49	Contractor:	7241
Year Completed:	2013	Path:	719\7198894.pdf
Well Completed Dt:	2013/02/26	Latitude:	45.3521121354211
Audit No:	Z164457	Longitude:	-75.8351351151745

22	2 of 2	E/135.8	65.0 / 1.08	4 CRYSTAL BEACH ROAD OTTAWA ON	WWIS
Well ID:	7216114	Flowing (Y/N):			
Construction Date:		Flow Rate:			
Use 1st:	Monitoring and Test Hole	Data Entry Status:			
Use 2nd:	0	Data Src:			
Final Well Status:	Abandoned-Other	Date Received:	10-Feb-2014 00:00:00		
Water Type:		Selected Flag:	TRUE		
Casing Material:		Abandonment Rec:	Yes		
Audit No:	Z179999	Contractor:	7241		
Tag:	A141801	Form Version:	7		
Constructn Method:		Owner:			
Elevation (m):		County:	OTTAWA-CARLETON		
Elevatn Reliability:		Lot:			
Depth to Bedrock:		Concession:			
Well Depth:		Concession Name:			
Overburden/Bedrock:		Easting NAD83:			
Pump Rate:		Northing NAD83:			
Static Water Level:		Zone:			
Clear/Cloudy:		UTM Reliability:			
Municipality:	NEPEAN TOWNSHIP				
Site Info:					
PDF URL (Map):					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		2013/12/12			
Year Completed:		2013			
Depth (m):					
Latitude:		45.3521121354211			
Longitude:		-75.8351351151745			
Path:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1004707000			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	434583.00
Code OB Desc:				North83:	5022406.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	12-Dec-2013 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1005074994				
Layer:	3				
Plug From:	1.8300000429153442				
Plug To:					
Plug Depth UOM:	m				
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1005074993				
Layer:	2				
Plug From:	0.3100000023841858				
Plug To:	1.8300000429153442				
Plug Depth UOM:	m				
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1005074992				
Layer:	1				
Plug From:	0.0				
Plug To:	0.3100000023841858				
Plug Depth UOM:	m				
<u>Method of Construction & Well Use</u>					
Method Construction ID:	1005074991				
Method Construction Code:					
Method Construction:					
Other Method Construction:					

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

Pipe Information

Pipe ID: 1005074983
 Casing No: 0
 Comment:
 Alt Name:

Construction Record - Casing

Casing ID: 1005074987
 Layer: 1
 Material: 5
 Open Hole or Material: PLASTIC
 Depth From:
 Depth To:
 Casing Diameter: 10.0
 Casing Diameter UOM: cm
 Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1005074988
 Layer: 1
 Slot:
 Screen Top Depth:
 Screen End Depth:
 Screen Material: 5
 Screen Depth UOM: m
 Screen Diameter UOM: cm
 Screen Diameter: 10.920000076293945

Water Details

Water ID: 1005074986
 Layer:
 Kind Code:
 Kind:
 Water Found Depth:
 Water Found Depth UOM: m

Hole Diameter

Hole ID: 1005074985
 Diameter: 20.31999969482422
 Depth From: 0.0
 Depth To: 1.8300000429153442
 Hole Depth UOM: m
 Hole Diameter UOM: cm

Links

Bore Hole ID:	1004707000	Tag No:	A141801
Depth M:		Contractor:	7241
Year Completed:	2013	Path:	721\7216114.pdf
Well Completed Dt:	2013/12/12	Latitude:	45.3521121354211
Audit No:	Z179999	Longitude:	-75.8351351151745

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Ottawa ON					
Order No:	20111108028			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	11/14/2011			Search Radius (km):	0.25
Date Received:	11/8/2011 11:41:57 AM			X:	-75.835269
Previous Site Name:				Y:	45.351599
Lot/Building Size:					
Additional Info Ordered:					

24	1 of 1	E/138.0	65.0 / 1.08	4 CRYSTAL BEACH RD. lot 13 con 1 OTTAWA ON	WWIS
Well ID:	7198892			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring and Test Hole			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Monitoring and Test Hole			Date Received:	20-Mar-2013 00:00:00
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z164463			Contractor:	7241
Tag:	A141806			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	013
Depth to Bedrock:				Concession:	01
Well Depth:				Concession Name:	OF
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP				
Site Info:					

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/719\7198892.pdf

Additional Detail(s) (Map)

Well Completed Date: 2013/02/27
Year Completed: 2013
Depth (m): 6.1
Latitude: 45.3521483237452
Longitude: -75.8351101147419
Path: 719\7198892.pdf

Bore Hole Information

Bore Hole ID:	1004265160	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434585.00
Code OB Desc:		North83:	5022410.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	5
Date Completed:	27-Feb-2013 00:00:00	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>Source Revision Comment:</i>					
<i>Supplier Comment:</i>					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1004914731			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		2.130000114440918			
Formation End Depth:		6.099999904632568			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1004914730			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		0.0			
Formation End Depth:		2.130000114440918			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1004914741			
Layer:		3			
Plug From:		2.740000009536743			
Plug To:		6.099999904632568			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1004914740			
Layer:		2			
Plug From:		0.3100000023841858			
Plug To:		2.740000009536743			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1004914739			
Layer:		1			
Plug From:		0.0			
Plug To:		0.3100000023841858			

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

Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1004914738
Method Construction Code: D
Method Construction: Direct Push
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: 0.0
Depth To: 3.0999999046325684
Casing Diameter: 4.03000020980835
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1004914735
Layer: 1
Slot: 10
Screen Top Depth: 3.0999999046325684
Screen End Depth: 6.099999904632568
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 4.809999942779541

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: 0.0
Depth To: 6.099999904632568
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bore Hole ID:	1004265160			Tag No: A141806	
Depth M:	6.1			Contractor: 7241	
Year Completed:	2013			Path: 7197198892.pdf	
Well Completed Dt:	2013/02/27			Latitude: 45.3521483237452	
Audit No:	Z164463			Longitude: -75.8351101147419	

25	1 of 1	E/138.1	65.0 / 1.08	233 ELTERWATER AVE. OTTAWA ON	WWIS
Well ID:	7176933			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring and Test Hole			Data Entry Status:	
Use 2nd:	0			Data Src:	
Final Well Status:	Monitoring and Test Hole			Date Received:	17-Feb-2012 00:00:00
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z138897			Contractor:	7241
Tag:	A123749			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliability:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP				
Site Info:					

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/7177176933.pdf

Additional Detail(s) (Map)

Well Completed Date: 2011/12/20
Year Completed: 2011
Depth (m): 6.1
Latitude: 45.3520043171513
Longitude: -75.8351079967305
Path: 7177176933.pdf

Bore Hole Information

Bore Hole ID:	1003693846	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434585.00
Code OB Desc:		North83:	5022394.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	20-Dec-2011 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Materials Interval</u>					
Formation ID:		1004092980			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		0.0			
Formation End Depth:		1.5			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1004092982			
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:		3.6600000858306885			
Formation End Depth:		6.099999904632568			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1004092981			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		1.5			
Formation End Depth:		3.6600000858306885			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1004092991			
Layer:		2			
Plug From:		0.3100000023841858			
Plug To:		2.740000009536743			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					

<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 ID:</i>		1004092992			
<i>Layer:</i>		3			
<i>Plug From:</i>		2.740000009536743			
<i>Plug To:</i>		6.099999904632568			
<i>Plug Depth UOM:</i>		m			
<u>Annular Space/Abandonment Sealing Record</u>					
<i>Plug ID:</i>		1004092990			
<i>Layer:</i>		1			
<i>Plug From:</i>		0.0			
<i>Plug To:</i>		0.3100000023841858			
<i>Plug Depth UOM:</i>		m			
<u>Method of Construction & Well Use</u>					
<i>Method Construction ID:</i>		1004092989			
<i>Method Construction Code:</i>		B			
<i>Method Construction:</i>		Other Method			
<i>Other Method Construction:</i>		D.P.			
<u>Pipe Information</u>					
<i>Pipe ID:</i>		1004092979			
<i>Casing No:</i>		0			
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>		1004092985			
<i>Layer:</i>		1			
<i>Material:</i>		5			
<i>Open Hole or Material:</i>		PLASTIC			
<i>Depth From:</i>		0.0			
<i>Depth To:</i>		3.0999999046325684			
<i>Casing Diameter:</i>		4.03000020980835			
<i>Casing Diameter UOM:</i>		cm			
<i>Casing Depth UOM:</i>		m			
<u>Construction Record - Screen</u>					
<i>Screen ID:</i>		1004092986			
<i>Layer:</i>		1			
<i>Slot:</i>		10			
<i>Screen Top Depth:</i>		3.0999999046325684			
<i>Screen End Depth:</i>		6.099999904632568			
<i>Screen Material:</i>		5			
<i>Screen Depth UOM:</i>		m			
<i>Screen Diameter UOM:</i>		cm			
<i>Screen Diameter:</i>		4.820000171661377			
<u>Water Details</u>					
<i>Water ID:</i>		1004092984			
<i>Layer:</i>					
<i>Kind Code:</i>					
<i>Kind:</i>					
<i>Water Found Depth:</i>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:	1004092983				
Diameter:	8.25				
Depth From:	0.0				
Depth To:	6.099999904632568				
Hole Depth UOM:	m				
Hole Diameter UOM:	cm				
<u>Links</u>					
Bore Hole ID:	1003693846			Tag No:	A123749
Depth M:	6.1			Contractor:	7241
Year Completed:	2011			Path:	717\7176933.pdf
Well Completed Dt:	2011/12/20			Latitude:	45.3520043171513
Audit No:	Z138897			Longitude:	-75.8351079967305

26	1 of 1	E/138.2	65.0 / 1.08	4 CRYSTAL BEACH RD OTTAWA ON	WWIS
Well ID:	7216115			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring and Test Hole			Data Entry Status:	
Use 2nd:	0			Data Src:	
Final Well Status:	Abandoned-Other			Date Received:	10-Feb-2014 00:00:00
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	Yes
Audit No:	Z179997			Contractor:	7241
Tag:	A135014			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliability:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP				
Site Info:					

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date:	2013/12/12
Year Completed:	2013
Depth (m):	
Latitude:	45.3519863163268
Longitude:	-75.8351077319802
Path:	

Bore Hole Information

Bore Hole ID:	1004707003	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434585.00
Code OB Desc:		North83:	5022392.00
Open Hole:		Org CS:	UTM83

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Cluster Kind:				UTMRC:	4
Date Completed:	12-Dec-2013 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005075005			
Layer:		2			
Plug From:		0.3100000023841858			
Plug To:		1.8300000429153442			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005075006			
Layer:		3			
Plug From:		1.8300000429153442			
Plug To:					
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005075004			
Layer:		1			
Plug From:		0.0			
Plug To:		0.3100000023841858			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1005075003			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1005074995			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1005074999			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Diameter:		4.03000020980835			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
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:		4.210000038146973			
<u>Water Details</u>					
Water ID:		1005074998			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1005074997			
Diameter:		20.31999969482422			
Depth From:		0.0			
Depth To:		1.8300000429153442			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Links</u>					
Bore Hole ID:		1004707003		Tag No: A135014	
Depth M:				Contractor: 7241	
Year Completed:		2013		Path: 7217216115.pdf	
Well Completed Dt:		2013/12/12		Latitude: 45.3519863163268	
Audit No:		Z179997		Longitude: -75.8351077319802	

27	1 of 1	E/138.8	65.0 / 1.08	233 ELTER WATER AVE. lot 13 con 1 OTTAWA ON	WWIS
Well ID:		7176932		Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:		Monitoring and Test Hole		Data Entry Status:	
Use 2nd:		0		Data Src:	
Final Well Status:		Monitoring and Test Hole		Date Received: 17-Feb-2012 00:00:00	
Water Type:				Selected Flag: TRUE	
Casing Material:				Abandonment Rec:	
Audit No:		Z134432		Contractor: 7241	
Tag:		A123748		Form Version: 7	
Constructn Method:				Owner:	
Elevation (m):				County: OTTAWA-CARLETON	
Elevatn Reliabilty:				Lot: 013	
Depth to Bedrock:				Concession: 01	
Well Depth:				Concession Name: OF	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Clear/Cloudy: Municipality: Site Info:		NEPEAN TOWNSHIP		UTM Reliability:	
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/717\7176932.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: Year Completed: Depth (m): Latitude: Longitude: Path:		2011/12/20 2011 6.1 45.352121415845 -75.8350969526429 717\7176932.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: Remarks: Loc Method Desc: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:	1003697035			Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	18 434586.00 5022407.00 UTM83 4 margin of error : 30 m - 100 m wwr
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	1004092913				
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc:	1004092911				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		0.0			
Formation End Depth:		1.5			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1004092912			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		1.5			
Formation End Depth:		3.6600000858306885			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1004092921			
Layer:		1			
Plug From:		0.0			
Plug To:		0.3100000023841858			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1004092923			
Layer:		3			
Plug From:		2.740000009536743			
Plug To:		6.099999904632568			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1004092922			
Layer:		2			
Plug From:		0.3100000023841858			
Plug To:		2.740000009536743			
Plug Depth UOM:		m			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		1004092920			
Method Construction Code:		B			
Method Construction:		Other Method			
Other Method Construction:		D.P.			
<u>Pipe Information</u>					
Pipe ID:		1004092910			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004092916			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		3.0999999046325684			
Casing Diameter:		4.03000020980835			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1004092917			
Layer:		1			
Slot:		10			
Screen Top Depth:		3.0999999046325684			
Screen End Depth:		6.099999904632568			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.820000171661377			
<u>Water Details</u>					
Water ID:		1004092915			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1004092914			
Diameter:		8.25			
Depth From:		0.0			
Depth To:		6.099999904632568			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Links</u>					
Bore Hole ID:		1003697035		Tag No: A123748	
Depth M:		6.1		Contractor: 7241	
Year Completed:		2011		Path: 717\7176932.pdf	
Well Completed Dt:		2011/12/20		Latitude: 45.352121415845	
Audit No:		Z134432		Longitude: -75.8350969526429	

28	1 of 1	E/139.8	65.0 / 1.08	4 CRYSTAL BEACH DR. OTTAWA ON	WWIS
Well ID:		7198880		Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:		Monitoring and Test Hole		Data Entry Status:	
Use 2nd:				Data Src:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Final Well Status:	Monitoring and Test Hole			Date Received:	20-Mar-2013 00:00:00
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z164316			Contractor:	7241
Tag:	A141802			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP				
Site Info:					

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/719\7198880.pdf

Additional Detail(s) (Map)

Well Completed Date: 2013/02/26
Year Completed: 2013
Depth (m): 5.49
Latitude: 45.3520945079431
Longitude: -75.8350837905566
Path: 719\7198880.pdf

Bore Hole Information

Bore Hole ID:	1004265032	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434587.00
Code OB Desc:		North83:	5022404.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	26-Feb-2013 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID: 1004914562
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 0.0
Formation End Depth: 0.3100000023841858
Formation End Depth UOM: m

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004914564			
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:		1.8799999952316284			
Formation End Depth:		5.489999771118164			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004914563			
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:		0.3100000023841858			
Formation End Depth:		1.8799999952316284			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004914573			
Layer:		2			
Plug From:		0.3100000023841858			
Plug To:		2.130000114440918			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004914572			
Layer:		1			
Plug From:		0.0			
Plug To:		0.3100000023841858			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004914574			
Layer:		3			
Plug From:		2.130000114440918			
Plug To:		5.480000019073486			
Plug 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>
----------------	--------------------------	--------------------------------	----------------------	-------------	-----------

Method of Construction & Well Use

Method Construction ID: 1004914571
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe Information

Pipe ID: 1004914561
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004914567
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 2.440000057220459
Casing Diameter: 10.15999984741211
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1004914568
Layer: 1
Slot: 10
Screen Top Depth: 2.440000057220459
Screen End Depth: 5.489999771118164
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: 30.479999542236328
Depth From: 0.0
Depth To: 5.489999771118164
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

Bore Hole ID: 1004265032 **Tag No:** A141802

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth M:	5.49			Contractor:	7241
Year Completed:	2013			Path:	719\7198880.pdf
Well Completed Dt:	2013/02/26			Latitude:	45.3520945079431
Audit No:	Z164316			Longitude:	-75.8350837905566

29	1 of 1	E/140.9	63.8 / -0.09	4 CRYSTAL BEACH DR Ottawa ON	WWIS
Well ID:	7190963			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring and Test Hole			Data Entry Status:	
Use 2nd:	0			Data Src:	
Final Well Status:	Test Hole			Date Received:	09-Nov-2012 00:00:00
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z156928			Contractor:	7241
Tag:	A135015			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP				
Site Info:					

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 2012/10/02
Year Completed: 2012
Depth (m): 6.1
Latitude: 45.3522475149474
Longitude: -75.835086040886
Path:

Bore Hole Information

Bore Hole ID:	1004199533	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434587.00
Code OB Desc:		North83:	5022421.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	02-Oct-2012 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		1004486636			
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:		4.570000171661377			
Formation End Depth:		6.099999904632568			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1004486635			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		85			
Mat2 Desc:		SOFT			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.6100000143051147			
Formation End Depth:		4.570000171661377			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1004486634			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:					
Mat2 Desc:					
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		0.0			
Formation End Depth:		0.6100000143051147			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1004486645			
Layer:		2			
Plug From:		0.3100000023841858			
Plug To:		2.740000009536743			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1004486646			
Layer:		3			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug From:		2.740000009536743			
Plug To:		6.099999904632568			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004486644			
Layer:		1			
Plug From:		0.0			
Plug To:		0.3100000023841858			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004486643			
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1004486633			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004486639			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		3.0999999046325684			
Casing Diameter:		4.03000020980835			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1004486640			
Layer:		1			
Slot:		10			
Screen Top Depth:		3.0999999046325684			
Screen End Depth:		6.099999904632568			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.820000171661377			
<u>Water Details</u>					
Water ID:		1004486638			
Layer:		1			
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			

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

Hole Diameter

Hole ID: 1004486637
Diameter: 8.25
Depth From: 0.0
Depth To: 6.099999904632568
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

Bore Hole ID:	1004199533	Tag No:	A135015
Depth M:	6.1	Contractor:	7241
Year Completed:	2012	Path:	719\7190963.pdf
Well Completed Dt:	2012/10/02	Latitude:	45.3522475149474
Audit No:	Z156928	Longitude:	-75.835086040886

30	1 of 1	E/141.8	65.0 / 1.08	4 CRYSTAL BEACH DR. OTTAWA ON	WWIS
--------------------	--------	---------	-------------	----------------------------------	------

Well ID:	7198881	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:	Monitoring and Test Hole	Data Entry Status:	
Use 2nd:		Data Src:	
Final Well Status:	Monitoring and Test Hole	Date Received:	20-Mar-2013 00:00:00
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:	Z164460	Contractor:	7241
Tag:	A141801	Form Version:	7
Constructn Method:		Owner:	
Elevation (m):		County:	OTTAWA-CARLETON
Elevatn Reliabilty:		Lot:	
Depth to Bedrock:		Concession:	
Well Depth:		Concession Name:	
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/719\7198881.pdf

Additional Detail(s) (Map)

Well Completed Date: 2013/02/26
Year Completed: 2013
Depth (m): 5.49
Latitude: 45.3521216958441
Longitude: -75.8350586577307
Path: 719\7198881.pdf

Bore Hole Information

Bore Hole ID:	1004265035	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434589.00
Code OB Desc:		North83:	5022407.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	26-Feb-2013 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Remarks:				Location Method:	WWF
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		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:		2.130000114440918			
Formation End Depth:		5.489999771118164			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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:		0.3100000023841858			
Formation End Depth:		2.130000114440918			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
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:		0.0			
Formation End Depth:		0.3100000023841858			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug ID:		1004914586			
Layer:		1			
Plug From:		0.0			
Plug To:		0.3100000023841858			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004914588			
Layer:		3			
Plug From:		2.130000114440918			
Plug To:		5.489999771118164			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004914587			
Layer:		2			
Plug From:		0.3100000023841858			
Plug To:		2.130000114440918			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004914585			
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:		BORING			
<u>Pipe Information</u>					
Pipe ID:		1004914575			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004914581			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		2.440000057220459			
Casing Diameter:		10.15999984741211			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1004914582			
Layer:		1			
Slot:		10			
Screen Top Depth:		2.440000057220459			
Screen End Depth:		5.489999771118164			
Screen Material:		5			
Screen Depth UOM:		m			

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

Screen Diameter UOM: cm
Screen Diameter: 12.649999618530273

Water Details

Water ID: 1004914580
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1004914579
Diameter: 30.479999542236328
Depth From: 0.0
Depth To: 5.489999771118164
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

Bore Hole ID:	1004265035	Tag No:	A141801
Depth M:	5.49	Contractor:	7241
Year Completed:	2013	Path:	719\7198881.pdf
Well Completed Dt:	2013/02/26	Latitude:	45.3521216958441
Audit No:	Z164460	Longitude:	-75.8350586577307

31	1 of 1	E/145.8	64.9 / 1.00	3420 CARLING AVE Ottawa ON	WWIS
--------------------	--------	---------	-------------	-------------------------------	------

Well ID:	7204223	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:	Monitoring and Test Hole	Data Entry Status:	
Use 2nd:		Data Src:	
Final Well Status:	Test Hole	Date Received:	05-Jul-2013 00:00:00
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:	Z168613	Contractor:	7241
Tag:	A146647	Form Version:	7
Constructn Method:		Owner:	
Elevation (m):		County:	OTTAWA-CARLETON
Elevatn Reliabilty:		Lot:	
Depth to Bedrock:		Concession:	
Well Depth:		Concession Name:	
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7204223.pdf

Additional Detail(s) (Map)

Well Completed Date: 2013/05/28
Year Completed: 2013
Depth (m): 4.57
Latitude: 45.3519329671698
Longitude: -75.8350175832325

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Path:		720\7204223.pdf			

Bore Hole Information

Bore Hole ID:	1004396071	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434592.00
Code OB Desc:		North83:	5022386.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	28-May-2013 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	1004809382
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	0.0
Formation End Depth:	0.3100000023841858
Formation End Depth UOM:	m

Overburden and Bedrock

Materials Interval

Formation ID:	1004809384
Layer:	3
Color:	2
General Color:	GREY
Mat1:	06
Most Common Material:	SILT
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	1.5
Formation End Depth:	4.570000171661377
Formation End Depth UOM:	m

Overburden and Bedrock

Materials Interval

Formation ID:	1004809383
Layer:	2
Color:	2
General Color:	GREY

<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>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>		0.3100000023841858			
<i>Formation End Depth:</i>		1.5			
<i>Formation End Depth UOM:</i>		m			
<u><i>Annular Space/Abandonment Sealing Record</i></u>					
<i>Plug ID:</i>		1004809394			
<i>Layer:</i>		3			
<i>Plug From:</i>		1.2200000286102295			
<i>Plug To:</i>		4.570000171661377			
<i>Plug Depth UOM:</i>		m			
<u><i>Annular Space/Abandonment Sealing Record</i></u>					
<i>Plug ID:</i>		1004809392			
<i>Layer:</i>		1			
<i>Plug From:</i>		0.0			
<i>Plug To:</i>		0.3100000023841858			
<i>Plug Depth UOM:</i>		m			
<u><i>Annular Space/Abandonment Sealing Record</i></u>					
<i>Plug ID:</i>		1004809393			
<i>Layer:</i>		2			
<i>Plug From:</i>		0.3100000023841858			
<i>Plug To:</i>		1.2200000286102295			
<i>Plug Depth UOM:</i>		m			
<u><i>Method of Construction & Well Use</i></u>					
<i>Method Construction ID:</i>		1004809391			
<i>Method Construction Code:</i>		B			
<i>Method Construction:</i>		Other Method			
<i>Other Method Construction:</i>					
<u><i>Pipe Information</i></u>					
<i>Pipe ID:</i>		1004809381			
<i>Casing No:</i>		0			
<i>Comment:</i>					
<i>Alt Name:</i>					
<u><i>Construction Record - Casing</i></u>					
<i>Casing ID:</i>		1004809387			
<i>Layer:</i>		1			
<i>Material:</i>		5			
<i>Open Hole or Material:</i>		PLASTIC			
<i>Depth From:</i>		0.0			
<i>Depth To:</i>		1.5			
<i>Casing Diameter:</i>		4.03000020980835			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1004809388			
Layer:		1			
Slot:		10			
Screen Top Depth:		1.5			
Screen End Depth:		4.570000171661377			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.820000171661377			
<u>Water Details</u>					
Water ID:		1004809386			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1004809385			
Diameter:		8.25			
Depth From:		0.0			
Depth To:		4.570000171661377			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Links</u>					
Bore Hole ID:		1004396071		Tag No: A146647	
Depth M:		4.57		Contractor: 7241	
Year Completed:		2013		Path: 720\7204223.pdf	
Well Completed Dt:		2013/05/28		Latitude: 45.3519329671698	
Audit No:		Z168613		Longitude: -75.8350175832325	

32	1 of 1	WNW/164.2	62.2 / -1.69	lot 12 con 1 ON	WWIS
Well ID:		1503804		Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:		Domestic		Data Entry Status:	
Use 2nd:		0		Data Src: 1	
Final Well Status:		Water Supply		Date Received: 20-Jul-1956 00:00:00	
Water Type:				Selected Flag: TRUE	
Casing Material:				Abandonment Rec:	
Audit No:				Contractor: 4825	
Tag:				Form Version: 1	
Constructn Method:				Owner:	
Elevation (m):				County: OTTAWA-CARLETON	
Elevatn Reliabilty:				Lot: 012	
Depth to Bedrock:				Concession: 01	
Well Depth:				Concession Name: OF	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Municipality:		NEPEAN TOWNSHIP			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503804.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		1956/05/29			
Year Completed:		1956			
Depth (m):		15.24			
Latitude:		45.3527247481234			
Longitude:		-75.838749379464			
Path:		150\1503804.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:	10025847			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	434300.60
Code OB Desc:				North83:	5022477.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	5
Date Completed:	29-May-1956 00:00:00			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	p5
Loc Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	930997612				
Layer:	1				
Color:					
General Color:					
Mat1:	05				
Most Common Material:	CLAY				
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:	0.0				
Formation End Depth:	16.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	930997613				
Layer:	2				
Color:					
General Color:					
Mat1:	15				
Most Common Material:	LIMESTONE				
Mat2:					
Mat2 Desc:					
Mat3:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3 Desc:					
Formation Top Depth:		16.0			
Formation End Depth:		50.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961503804			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10574417			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930044448			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		50.0			
Casing Diameter:		5.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930044447			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		28.0			
Casing Diameter:		5.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991503804			
Pump Set At:					
Static Level:		18.0			
Final Level After Pumping:		20.0			
Recommended Pump Depth:					
Pumping Rate:		5.0			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		0			
Pumping Duration MIN:		30			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Flowing:		No			
<u>Water Details</u>					
Water ID:	933456791				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	40.0				
Water Found Depth UOM:	ft				
<u>Links</u>					
Bore Hole ID:	10025847			Tag No:	
Depth M:	15.24			Contractor:	4825
Year Completed:	1956			Path:	150\1503804.pdf
Well Completed Dt:	1956/05/29			Latitude:	45.3527247481234
Audit No:				Longitude:	-75.838749379464

33	1 of 2	NNE/173.5	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		
Year:			Corporation		
Incident Cause:			Sector Type: Miscellaneous Communal		
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:		
Dt Document Closed:	9/28/2019		SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill		
Incident Reason:	Operator/Human Error		Source Type: Pipeline/Components		
Site Name:	residential<UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	TSSA – Enbridge, ½" plastic service IP line damaged, made safe				
Contaminant Qty:	0 other - see incident description				

33	2 of 2	NNE/173.5	61.8 / -2.03	ENBRIDGE GAS INC 62 LOCH ISLE RD,,NEPEAN,ON,K2H 8G8,CA ON	PINC
Incident Id:					
Incident No:	2631550		Pipe Material:		
Incident Reported Dt:	7/11/2019		Fuel Category:		
Type:	FS-Pipeline Incident		Health Impact:		
Status Code:			Environment Impact:		
Tank Status:	Pipeline Damage Reason Est		Property Damage:		
Task No:			Service Interrupt:		
			Enforce Policy:		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Spills Action Centre: Fuel Type: Fuel Occurrence Tp: Date of Occurrence: Occurrence Start Dt: Depth: Customer Acct Name: Incident Address: Operation Type: Pipeline Type: Regulator Type: Summary: Reported By: Affiliation: Occurrence Desc: Damage Reason: Notes:		ENBRIDGE GAS INC 62 LOCH ISLE RD,,NEPEAN,ON,K2H 8G8,CA		Public Relation: Pipeline System: PSIG: Attribute Category: Regulator Location: Method Details:	

34	1 of 1	WNW/181.1	61.0 / -2.91	lot 12 con 1 ON	WWIS
Well ID: 1503794 Construction Date: Use 1st: Domestic Use 2nd: 0 Final Well Status: Water Supply Water Type: Casing Material: Audit No: Tag: Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: NEPEAN TOWNSHIP Site Info:		Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: 1 Date Received: 24-Apr-1962 00:00:00 Selected Flag: TRUE Abandonment Rec: Contractor: 4216 Form Version: 1 Owner: County: OTTAWA-CARLETON 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\1503794.pdf			

Additional Detail(s) (Map)

Well Completed Date:	1962/03/13
Year Completed:	1962
Depth (m):	27.432
Latitude:	45.3531307036162
Longitude:	-75.8386277106775
Path:	150\1503794.pdf

Bore Hole Information

Bore Hole ID:	10025837	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434310.60
Code OB Desc:		North83:	5022522.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Date Completed:	13-Mar-1962 00:00:00			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	p5
Loc Method Desc:		Original Pre1985 UTM Rel Code 5:			margin of error : 100 m - 300 m
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930997585			
Layer:		2			
Color:					
General Color:					
Mat1:		09			
Most Common Material:		MEDIUM SAND			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		20.0			
Formation End Depth:		45.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930997584			
Layer:		1			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		20.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930997587			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		50.0			
Formation End Depth:		90.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Materials Interval</u>					
Formation ID:		930997586			
Layer:		3			
Color:					
General Color:					
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		45.0			
Formation End Depth:		50.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961503794			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10574407			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930044428			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		55.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930044429			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		90.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991503794			
Pump Set At:					
Static Level:		20.0			
Final Level After Pumping:		20.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Recommended Pump Depth:		25.0			
Pumping Rate:		10.0			
Flowing Rate:					
Recommended Pump Rate:		10.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		2			
Water State After Test:		CLOUDY			
Pumping Test Method:		1			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		No			

Water Details

Water ID: 933456776
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 80.0
Water Found Depth UOM: ft

Links

Bore Hole ID:	10025837	Tag No:	
Depth M:	27.432	Contractor:	4216
Year Completed:	1962	Path:	150\1503794.pdf
Well Completed Dt:	1962/03/13	Latitude:	45.3531307036162
Audit No:		Longitude:	-75.8386277106775

35 1 of 1 **WNW/181.1** **61.0 / -2.91** **ON** **BORE**

Borehole ID:	610870	Inclin FLG:	No
OGF ID:	215512380	SP Status:	Initial Entry
Status:		Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:		Primary Name:	
Completion Date:	MAR-1962	Municipality:	
Static Water Level:		Lot:	
Primary Water Use:		Township:	
Sec. Water Use:		Latitude DD:	45.353132
Total Depth m:	27.4	Longitude DD:	-75.838627
Depth Ref:	Ground Surface	UTM Zone:	18
Depth Elev:		Easting:	434311
Drill Method:		Northing:	5022522
Orig Ground Elev m:	61	Location Accuracy:	
Elev Reliabil Note:		Accuracy:	Not Applicable
DEM Ground Elev m:	61.7		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218386783	Mat Consistency:	
Top Depth:	0	Material Moisture:	
Bottom Depth:	6.1	Material Texture:	
Material Color:		Non Geo Mat Type:	
Material 1:	Clay	Geologic Formation:	
Material 2:		Geologic Group:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 3: Material 4: Gsc Material Description: Stratum Description:		CLAY.		Geologic Period: Depositional Gen:	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218386785 13.7 15.2 Gravel			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218386784 6.1 13.7 Sand			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218386786 15.2 27.4 Grey Limestone			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
		LIMESTONE. GREY. 00080DROCK,SANDSTONE. GREY,FRIABLE,FRACTURED. 5 00026 004 00000054 **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Source					
Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name: Source Details: Confiden 1:	Data Survey Geological Survey of Canada 1956-1972			Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda:	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level
		Urban Geology Automated Information System (UGAIS) File: OTTAWA1.txt RecordID: 03378 NTS_Sheet:			
Source List					
Source Identifier: Source Type: Source Date: Scale or Resolution: Source Name: Source Originators:	1 Data Survey 1956-1972 Varies Urban Geology Automated Information System (UGAIS) Geological Survey of Canada			Horizontal Datum: Vertical Datum: Projection Name:	NAD27 Mean Average Sea Level Universal Transverse Mercator
36	1 of 1	W/185.5	64.2 / 0.33	1 & 3 Ullswater Drive, 25 & 33 Elterwater Avenue and 2A & 2B Crystal Beach Drive Ottawa ON	EHS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Order No: 20111108027 Status: C Report Type: Custom Report Report Date: 11/14/2011 Date Received: 11/8/2011 11:38:03 AM Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): 0.25 X: -75.839543 Y: 45.351655					
37	1 of 2	W/185.5	64.2 / 0.33	1 Ullswater Drive Ottawa ON K2H 5H2	EHS
Order No: 20191128050 Status: C Report Type: Site Report Report Date: 29-NOV-19 Date Received: 28-NOV-19 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .001 X: -75.839223 Y: 45.351897					
37	2 of 2	W/185.5	64.2 / 0.33	1 Ullswater Drive Ottawa ON K2H 5H2	EHS
Order No: 20191128050 Status: C Report Type: Site Report Report Date: 29-NOV-19 Date Received: 28-NOV-19 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .001 X: -75.839223 Y: 45.351897					
38	1 of 1	ENE/186.2	62.9 / -0.97	lot 13 con 1 ON	WWIS
Well ID: 1503824 Construction Date: Use 1st: Domestic Use 2nd: 0 Final Well Status: Water Supply Water Type: Casing Material: Audit No: Tag: Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: NEPEAN TOWNSHIP Site Info:					
Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: 1 Date Received: 19-May-1960 00:00:00 Selected Flag: TRUE Abandonment Rec: Contractor: 3504 Form Version: 1 Owner: County: OTTAWA-CARLETON Lot: 013 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\1503824.pdf					

Additional Detail(s) (Map)

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

Well Completed Date: 1960/03/23
Year Completed: 1960
Depth (m): 29.2608
Latitude: 45.3531568924793
Longitude: -75.8350534561305
Path: 150\1503824.pdf

Bore Hole Information

Bore Hole ID:	10025867	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434590.60
Code OB Desc:		North83:	5022522.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	23-Mar-1960 00:00:00	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Loc Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID: 930997656
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 46.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930997657
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 46.0
Formation End Depth: 96.0
Formation End Depth UOM: ft

Method of Construction & Well

<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>
<u>Use</u>					
<i>Method Construction ID:</i>		961503824			
<i>Method Construction Code:</i>		1			
<i>Method Construction:</i>		Cable Tool			
<i>Other Method Construction:</i>					
<u>Pipe Information</u>					
<i>Pipe ID:</i>		10574437			
<i>Casing No:</i>		1			
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>		930044490			
<i>Layer:</i>		2			
<i>Material:</i>		4			
<i>Open Hole or Material:</i>		OPEN HOLE			
<i>Depth From:</i>					
<i>Depth To:</i>		96.0			
<i>Casing Diameter:</i>		5.0			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>		930044489			
<i>Layer:</i>		1			
<i>Material:</i>		1			
<i>Open Hole or Material:</i>		STEEL			
<i>Depth From:</i>					
<i>Depth To:</i>		55.0			
<i>Casing Diameter:</i>		5.0			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
<u>Results of Well Yield Testing</u>					
<i>Pumping Test Method Desc:</i>		PUMP			
<i>Pump Test ID:</i>		991503824			
<i>Pump Set At:</i>					
<i>Static Level:</i>		19.0			
<i>Final Level After Pumping:</i>		40.0			
<i>Recommended Pump Depth:</i>		40.0			
<i>Pumping Rate:</i>		6.0			
<i>Flowing Rate:</i>					
<i>Recommended Pump Rate:</i>		6.0			
<i>Levels UOM:</i>		ft			
<i>Rate UOM:</i>		GPM			
<i>Water State After Test Code:</i>		2			
<i>Water State After Test:</i>		CLOUDY			
<i>Pumping Test Method:</i>		1			
<i>Pumping Duration HR:</i>		1			
<i>Pumping Duration MIN:</i>		0			
<i>Flowing:</i>		No			
<u>Water Details</u>					
<i>Water ID:</i>		933456816			
<i>Layer:</i>		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Kind Code: Kind: Water Found Depth: Water Found Depth UOM:		1 FRESH 96.0 ft			
Links					
Bore Hole ID: Depth M: Year Completed: Well Completed Dt: Audit No:		10025867 29.2608 1960 1960/03/23		Tag No: Contractor: Path: Latitude: Longitude:	3504 150\1503824.pdf 45.3531568924793 -75.8350534561305
39	1 of 2	E/192.2	64.7 / 0.85	1 Elterwater Ave Nepean ON K2H 5J1	EHS
Order No: Status: Report Type: Report Date: Date Received: Previous Site Name: Lot/Building Size: Additional Info Ordered:		21042200029 C Standard Report 27-APR-21 22-APR-21		Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	ON .25 -75.8344486 45.3517842
39	2 of 2	E/192.2	64.7 / 0.85	1 Elterwater Ave Nepean ON K2H 5J1	EHS
Order No: Status: Report Type: Report Date: Date Received: Previous Site Name: Lot/Building Size: Additional Info Ordered:		21042200029 C Standard Report 27-APR-21 22-APR-21		Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	ON .25 -75.8344486 45.3517842
40	1 of 1	E/193.7	64.7 / 0.85	Minto (2 Crystal Beach Drive) Ottawa ON	SPL
Ref No: Site No: Incident Dt: Year: Incident Cause: Incident Event: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Nature of Impact: Receiving Medium: Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: Dt Document Closed: Incident Reason: Site Name:		2886-93YH6T 15-JAN-13 Leak/Break 13 HYDROCARBON LIGHT Confirmed Groundwater Pollution; Soil Contamination No Field Response 15-JAN-13 Equipment Failure Ralph and Sons gas station (3420 Carling Ave)<UNOFFICIAL>		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: Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:	Tank - Underground Minto (2 Crystal Beach Drive) Ottawa Land Spills

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Site County/District:					
Site Geo Ref Meth:					
Incident Summary: Ottawa: historical contamination from a gas station					
Contaminant Qty: 0 other - see incident description					

41	1 of 1	NNE/209.0	61.9 / -2.00	NEPEAN CITY LOCH ISLE RD./SUNNY BRAE AVE. NEPEAN CITY ON	CA
Certificate #: 3-1291-99-					
Application Year: 99					
Issue Date: 11/4/1999					
Approval Type: Municipal sewage					
Status: Approved					
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					

42	1 of 1	NNE/215.6	60.8 / -3.11	lot 13 con 1 ON	WWIS
Well ID: 1503809					
Construction Date:					
Use 1st: Domestic					
Use 2nd: 0					
Final Well Status: Water Supply					
Water Type:					
Casing Material:					
Audit No:					
Tag:					
Constructn Method:					
Elevation (m):					
Elevatn Reliability:					
Depth to Bedrock:					
Well Depth:					
Overburden/Bedrock:					
Pump Rate:					
Static Water Level:					
Clear/Cloudy:					
Municipality: NEPEAN TOWNSHIP					
Site Info:					
Flowing (Y/N):					
Flow Rate:					
Data Entry Status:					
Data Src: 1					
Date Received: 12-Jun-1950 00:00:00					
Selected Flag: TRUE					
Abandonment Rec:					
Contractor: 3566					
Form Version: 1					
Owner:					
County: OTTAWA-CARLETON					
Lot: 013					
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\1503809.pdf					
Additional Detail(s) (Map)					
Well Completed Date: 1948/04/19					
Year Completed: 1948					
Depth (m): 46.9392					
Latitude: 45.35395852348					
Longitude: -75.8362142543077					
Path: 150\1503809.pdf					

Bore Hole Information	
Bore Hole ID:	10025852
Elevation:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	434500.60
Code OB Desc:				North83:	5022612.00
Open Hole:				Org CS:	9
Cluster Kind:				UTMRC:	9
Date Completed:		19-Apr-1948 00:00:00		UTMRC Desc:	unknown UTM
Remarks:				Location Method:	p9
Loc Method Desc:		Original Pre1985 UTM Rel Code 9: unknown UTM			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930997623			
Layer:		2			
Color:					
General Color:					
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		50.0			
Formation End Depth:		154.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930997622			
Layer:		1			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		09			
Mat2 Desc:		MEDIUM SAND			
Mat3:		12			
Mat3 Desc:		STONES			
Formation Top Depth:		0.0			
Formation End Depth:		50.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961503809			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10574422			
Casing No:		1			

<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>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>		930044458			
<i>Layer:</i>		2			
<i>Material:</i>					
<i>Open Hole or Material:</i>					
<i>Depth From:</i>					
<i>Depth To:</i>		50.0			
<i>Casing Diameter:</i>		6.0			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>		930044459			
<i>Layer:</i>		3			
<i>Material:</i>		4			
<i>Open Hole or Material:</i>		OPEN HOLE			
<i>Depth From:</i>					
<i>Depth To:</i>		154.0			
<i>Casing Diameter:</i>		6.0			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>		930044457			
<i>Layer:</i>		1			
<i>Material:</i>		1			
<i>Open Hole or Material:</i>		STEEL			
<i>Depth From:</i>					
<i>Depth To:</i>		49.0			
<i>Casing Diameter:</i>		6.0			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
<u>Results of Well Yield Testing</u>					
<i>Pumping Test Method Desc:</i>		PUMP			
<i>Pump Test ID:</i>		991503809			
<i>Pump Set At:</i>					
<i>Static Level:</i>		12.0			
<i>Final Level After Pumping:</i>		16.0			
<i>Recommended Pump Depth:</i>					
<i>Pumping Rate:</i>		10.0			
<i>Flowing Rate:</i>					
<i>Recommended Pump Rate:</i>		10.0			
<i>Levels UOM:</i>		ft			
<i>Rate UOM:</i>		GPM			
<i>Water State After Test Code:</i>		1			
<i>Water State After Test:</i>		CLEAR			
<i>Pumping Test Method:</i>		1			
<i>Pumping Duration HR:</i>		0			
<i>Pumping Duration MIN:</i>		30			
<i>Flowing:</i>		No			
<u>Water Details</u>					
<i>Water ID:</i>		933456796			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:					
Water Found Depth UOM:		ft			
Links					
Bore Hole ID:	10025852			Tag No:	
Depth M:	46.9392			Contractor:	3566
Year Completed:	1948			Path:	150\1503809.pdf
Well Completed Dt:	1948/04/19			Latitude:	45.35395852348
Audit No:				Longitude:	-75.8362142543077

43	1 of 1	E/215.7	63.8 / -0.03	lot 13 con 1 ON	WWIS
Well ID:	1503819			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Domestic			Data Entry Status:	
Use 2nd:	0			Data Src:	1
Final Well Status:	Water Supply			Date Received:	07-Jul-1955 00:00:00
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	3718
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	013
Depth to Bedrock:				Concession:	01
Well Depth:				Concession Name:	OF
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503819.pdf				

Additional Detail(s) (Map)

Well Completed Date:	1955/02/01
Year Completed:	1955
Depth (m):	39.624
Latitude:	45.3518133601711
Longitude:	-75.8341400578882
Path:	150\1503819.pdf

Bore Hole Information

Bore Hole ID:	10025862	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434660.60
Code OB Desc:		North83:	5022372.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	01-Feb-1955 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	p9
Loc Method Desc:	Original Pre1985 UTM Rel Code 9: unknown UTM		
Elevrc Desc:			

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

**Overburden and Bedrock
 Materials Interval**

Formation ID: 930997645
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 6.0
Formation End Depth UOM: ft

**Overburden and Bedrock
 Materials Interval**

Formation ID: 930997646
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 6.0
Formation End Depth: 130.0
Formation End Depth UOM: ft

**Method of Construction & Well
 Use**

Method Construction ID: 961503819
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574432
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930044480
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth To:		130.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930044479			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		60.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991503819			
Pump Set At:					
Static Level:		15.0			
Final Level After Pumping:		30.0			
Recommended Pump Depth:					
Pumping Rate:		5.0			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		8			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Water Details</u>					
Water ID:		933456811			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		130.0			
Water Found Depth UOM:		ft			
<u>Links</u>					
Bore Hole ID:		10025862		Tag No:	
Depth M:		39.624		Contractor:	3718
Year Completed:		1955		Path:	150\1503819.pdf
Well Completed Dt:		1955/02/01		Latitude:	45.3518133601711
Audit No:				Longitude:	-75.8341400578882

44	1 of 1	NE/221.3	62.2 / -1.69	6 Rocky Point Road, Ottawa ON	INC
Incident No:		917936		Any Health Impact:	No
Incident ID:		3075872		Any Enviro Impact:	Unknown
Instance No:				Service Interrupted:	No
Status Code:		Causal Analysis Complete		Was Prop Damaged:	No
Attribute Category:		FS-Perform L1 Incident Insp		Reside App. Type:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Context: Date of Occurrence: 2012/10/11 00:00:00 Time of Occurrence: NULL Incident Created On: Instance Creation Dt: Instance Install Dt: Occur Insp Start Date: 2012/10/11 00:00:00 Approx Quant Rel: unknwon Tank Capacity: Fuels Occur Type: Leak Fuel Type Involved: Fuel Oil Enforcement Policy: NULL Prc Escalation Req: NULL Tank Material Type: Tank Storage Type: Tank Location Type: Pump Flow Rate Cap: Task No: 4076542 Notes: Drainage System: Unknown Sub Surface Contam.: Aff Prop Use Water: No Contam. Migrated: No Contact Natural Env: Unknown Incident Location: 6 Rocky Point Road, Ottawa - Discovery of Product Occurrence Narrative: Adandoned underground fuel oil tank discovered at a residence. Operation Type Involved: Private Dwelling Item: Item Description: Device Installed Location:					
Commer App. Type: Indus App. Type: Institut App. Type: Venting Type: Vent Conn Mater: Vent Chimney Mater: Pipeline Type: Pipeline Involved: Pipe Material: Depth Ground Cover: Regulator Location: Regulator Type: Operation Pressure: Liquid Prop Make: Liquid Prop Model: Liquid Prop Serial No: Liquid Prop Notes: Equipment Type: Equipment Model: Serial No: Cylinder Capacity: Cylinder Cap Units: Cylinder Mat Type: Near Body of Water: No					

45	1 of 5	E/223.9	64.6 / 0.69	Minto Apartments Ltd. 4 Crystal BEach Drive ottawa ON	GEN
--------------------	--------	---------	-------------	---	-----

Generator No: ON9132612
SIC Code: 531310
SIC Description: REAL ESTATE PROPERTY MANAGERS
Approval Years: 2013
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 251
Waste Class Name: OIL SKIMMINGS & SLUDGES

45	2 of 5	E/223.9	64.6 / 0.69	Minto Apartments Ltd. 4 Crystal BEach Drive ottawa ON	GEN
--------------------	--------	---------	-------------	---	-----

Generator No: ON9132612
SIC Code: 531310
SIC Description: Real Estate Property Managers
Approval Years: 2012
PO Box No:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:					
45	3 of 5	E/223.9	64.6 / 0.69	Enbridge Gas Distribution Inc. 4E Crystal Beach Drive Ottawa ON	SPL
Ref No:	8867-9P7RXU			Discharger Report:	
Site No:	NA			Material Group:	
Incident Dt:	2014/09/22			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	Leak/Break			Sector Type:	Pipeline/Components
Incident Event:				Agency Involved:	
Contaminant Code:	35			Nearest Watercourse:	
Contaminant Name:	NATURAL GAS (METHANE)			Site Address:	4E Crystal Beach Drive
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	Confirmed			Site Municipality:	Ottawa
Nature of Impact:	Air Pollution			Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:				Northing:	
MOE Response:	Referral to others			Easting:	
Dt MOE Arvl on Scr:				Site Geo Ref Accu:	
MOE Reported Dt:	2014/09/22			Site Map Datum:	
Dt Document Closed:	2014/12/20			SAC Action Class:	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Operator/Human Error			Source Type:	
Site Name:	Residence<UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	TSSA - Damage to header on main line				
Contaminant Qty:	0 other - see incident description				
45	4 of 5	E/223.9	64.6 / 0.69	Minto Apartments Ltd. 4 Crystal BEach Drive ottawa ON K2H 5M4	GEN
Generator No:	ON9132612				
SIC Code:	531310				
SIC Description:	REAL ESTATE PROPERTY MANAGERS				
Approval Years:	2014				
PO Box No:					
Country:	Canada				
Status:					
Co Admin:					
Choice of Contact:	CO_OFFICIAL				
Phone No Admin:					
Contaminated Facility:	No				
MHSW Facility:	No				
Detail(s)					
Waste Class:	251				
Waste Class Name:	OIL SKIMMINGS & SLUDGES				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
45	5 of 5	E/223.9	64.6 / 0.69	ZONE 5 LANDSCAPING INC 4 CRYSTAL BEACH DR., NEPEAN, ON, K2H 5M4, CA ON	PINC
Incident Id: Incident No: 1495410 Incident Reported Dt: 10/9/2014 Type: FS-Pipeline Incident Status Code: Tank Status: Non Mandated Task No: Spills Action Centre: Fuel Type: Fuel Occurrence Tp: Date of Occurrence: Occurrence Start Dt: Depth: Customer Acct Name: ZONE 5 LANDSCAPING INC Incident Address: 4 CRYSTAL BEACH DR., NEPEAN, ON, K2H 5M4, CA Operation Type: Pipeline Type: Regulator Type: Summary: Reported By: Affiliation: Occurrence Desc: Damage Reason: Notes:		Pipe Material: Fuel Category: Health Impact: Environment Impact: Property Damage: Service Interrupt: Enforce Policy: Public Relation: Pipeline System: PSIG: Attribute Category: Regulator Location: Method Details:			

46	1 of 1	NNE/227.9	61.3 / -2.54	lot 13 con 1 ON	WWIS
Well ID: 1504678 Construction Date: Use 1st: Domestic Use 2nd: 0 Final Well Status: Water Supply Water Type: Casing Material: Audit No: Tag: Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: NEPEAN TOWNSHIP Site Info:		Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: 1 Date Received: 30-Nov-1965 00:00:00 Selected Flag: TRUE Abandonment Rec: Contractor: 1603 Form Version: 1 Owner: County: OTTAWA-CARLETON Lot: 013 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\1504678.pdf			
Additional Detail(s) (Map)					
Well Completed Date: 1965/11/05 Year Completed: 1965 Depth (m): 41.4528 Latitude: 45.3540494621064 Longitude: -75.8360879259011					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Path:		150\1504678.pdf			

Bore Hole Information

Bore Hole ID:	10026721	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434510.60
Code OB Desc:		North83:	5022622.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	05-Nov-1965 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	p9
Loc Method Desc:	Original Pre1985 UTM Rel Code 9: unknown UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	931000150
Layer:	3
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	51.0
Formation End Depth:	136.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931000149
Layer:	2
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	13
Mat3 Desc:	BOULDERS
Formation Top Depth:	3.0
Formation End Depth:	51.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931000148
Layer:	1
Color:	
General Color:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		3.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961504678			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10575291			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930046176			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		136.0			
Casing Diameter:		3.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930046175			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		53.0			
Casing Diameter:		3.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991504678			
Pump Set At:					
Static Level:		13.0			
Final Level After Pumping:		25.0			
Recommended Pump Depth:		100.0			
Pumping Rate:		10.0			
Flowing Rate:					
Recommended Pump Rate:		5.0			
Levels UOM:		ft			
Rate UOM:		GPM			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water State After Test Code: 1 Water State After Test: CLEAR Pumping Test Method: 1 Pumping Duration HR: 2 Pumping Duration MIN: 0 Flowing: No					
<u>Water Details</u>					
Water ID: 933457984 Layer: 1 Kind Code: 1 Kind: FRESH Water Found Depth: 130.0 Water Found Depth UOM: ft					
<u>Links</u>					
Bore Hole ID: 10026721 Depth M: 41.4528 Year Completed: 1965 Well Completed Dt: 1965/11/05 Audit No:					
Tag No: 1603 Contractor: 150\1504678.pdf Path: 45.3540494621064 Latitude: -75.8360879259011 Longitude:					
47	1 of 1	WNW/228.1	60.8 / -3.03	SKARLAN ENTERPRISES 3409 CARLING AVENUE OTTAWA ON	GEN
Generator No: ON2950310 SIC Code: 814110 SIC Description: Private Households Approval Years: 2012 PO Box No: Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:					
48	1 of 1	N/229.0	61.2 / -2.64	lot 12 con 1 ON	WWIS
Well ID: 1503801 Construction Date: Use 1st: Domestic Use 2nd: 0 Final Well Status: Water Supply Water Type: Casing Material: Audit No: Tag: Constructn Method: Elevation (m): Elevatn Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: NEPEAN TOWNSHIP					
Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: 1 Date Received: 22-Oct-1953 00:00:00 Selected Flag: TRUE Abandonment Rec: Contractor: 1802 Form Version: 1 Owner: County: OTTAWA-CARLETON 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
---------	-------------------	----------------------------	------------------	------	----

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503801.pdf

Additional Detail(s) (Map)

Well Completed Date: 1953/10/02
Year Completed: 1953
Depth (m): 28.0416
Latitude: 45.3541343243055
Longitude: -75.8367913493699
Path: 150\1503801.pdf

Bore Hole Information

Bore Hole ID:	10025844	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434455.60
Code OB Desc:		North83:	5022632.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	02-Oct-1953 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	p9
Loc Method Desc:	Original Pre1985 UTM Rel Code 9: unknown UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID: 930997604
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 40.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930997606
Layer: 3
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:		55.0			
Formation End Depth:		92.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930997605			
Layer:		2			
Color:					
General Color:					
Mat1:		09			
Most Common Material:		MEDIUM SAND			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		40.0			
Formation End Depth:		55.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961503801			
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10574414			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930044441			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		55.0			
Casing Diameter:		3.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930044442			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		92.0			
Casing Diameter:		3.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					

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

Pumping Test Method Desc: PUMP
Pump Test ID: 991503801
Pump Set At:
Static Level: 20.0
Final Level After Pumping: 30.0
Recommended Pump Depth:
Pumping Rate: 5.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933456787
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 90.0
Water Found Depth UOM: ft

Links

Bore Hole ID: 10025844	Tag No:
Depth M: 28.0416	Contractor: 1802
Year Completed: 1953	Path: 150\1503801.pdf
Well Completed Dt: 1953/10/02	Latitude: 45.3541343243055
Audit No:	Longitude: -75.8367913493699

49	1 of 3	ESE/230.8	64.9 / 1.00	TAGGART CONSTRUCTION LTD 8 CRYSTAL BEACH DR., OTTAWA, ON, K2H 5M4, CA ON	PINC
--------------------	--------	-----------	-------------	---	------

Incident Id:		Pipe Material:
Incident No: 1932792		Fuel Category:
Incident Reported Dt: 8/31/2016		Health Impact:
Type: FS-Pipeline Incident		Environment Impact:
Status Code:		Property Damage:
Tank Status: Pipeline Damage Reason Est		Service Interrupt:
Task No:		Enforce Policy:
Spills Action Centre:		Public Relation:
Fuel Type:		Pipeline System:
Fuel Occurrence Tp:		PSIG:
Date of Occurrence:		Attribute Category:
Occurrence Start Dt:		Regulator Location:
Depth:		Method Details:
Customer Acct Name: TAGGART CONSTRUCTION LTD		
Incident Address: 8 CRYSTAL BEACH DR., OTTAWA, ON, K2H 5M4, CA		
Operation Type:		
Pipeline Type:		
Regulator Type:		
Summary:		
Reported By:		
Affiliation:		
Occurrence Desc:		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Damage Reason:					
Notes:					
49	2 of 3	ESE/230.8	64.9 / 1.00	Enbridge Gas Distribution Inc. 8 Crystal Beach Drive Ottawa ON	SPL
Ref No:	6060-ADCHPQ			Discharger Report:	
Site No:	NA			Material Group:	
Incident Dt:	8/31/2016			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:				Sector Type:	Miscellaneous Communal
Incident Event:	Leak/Break			Agency Involved:	
Contaminant Code:	35			Nearest Watercourse:	
Contaminant Name:	NATURAL GAS (METHANE)			Site Address:	8 Crystal Beach Drive
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:				Site Municipality:	Ottawa
Nature of Impact:				Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:	Air			Northing:	
MOE Response:				Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	8/31/2016			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	Notifications
Incident Reason:	Operator/Human Error			Source Type:	
Site Name:	Residence<UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	TSSA: FSB 0.5" PL svc line strike, Made Safe				
Contaminant Qty:	0 other - see incident description				
49	3 of 3	ESE/230.8	64.9 / 1.00	Enbridge Gas Distribution Inc. 8 Crystal Beach, Nepean Ottawa ON	SPL
Ref No:	2783-ADCRU4			Discharger Report:	
Site No:	NA			Material Group:	
Incident Dt:	8/31/2016			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:				Sector Type:	Miscellaneous Industrial
Incident Event:	Leak/Break			Agency Involved:	
Contaminant Code:	35			Nearest Watercourse:	
Contaminant Name:	NATURAL GAS (METHANE)			Site Address:	8 Crystal Beach, Nepean
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:				Site Municipality:	Ottawa
Nature of Impact:				Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:	Air			Northing:	
MOE Response:				Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	8/31/2016			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Operator/Human Error			Source Type:	
Site Name:	residential property<UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	TSSAfsb: ½ pl IP gas srvc dmgd; made safe				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant Qty:		0 other - see incident description			

50	1 of 1	SSE/240.7	64.9 / 1.00	IN FRONT OF ULLSWATER DRIVE 47/48 Ottawa ON	WWIS
Well ID:	7263437			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Observation Wells			Date Received:	24-May-2016 00:00:00
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z227923			Contractor:	1844
Tag:	A187187			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliability:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP				
Site Info:					

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date:	2015/09/16
Year Completed:	2015
Depth (m):	4.82
Latitude:	45.3500275307502
Longitude:	-75.8358576425221
Path:	

Bore Hole Information

Bore Hole ID:	1006005751	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434524.00
Code OB Desc:		North83:	5022175.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	16-Sep-2015 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	1006113788
Layer:	2

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Color:					
General Color:					
Mat1:		01			
Most Common Material:		FILL			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		11			
Mat3 Desc:		GRAVEL			
Formation Top Depth:		0.12999999523162842			
Formation End Depth:		0.6000000238418579			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006113790			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		11			
Mat3 Desc:		GRAVEL			
Formation Top Depth:		2.1500000953674316			
Formation End Depth:		4.820000171661377			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006113789			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.6000000238418579			
Formation End Depth:		2.1500000953674316			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006113787			
Layer:		1			
Color:					
General Color:					
Mat1:					
Most Common Material:					
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		0.12999999523162842			
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>
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006113797			
Layer:		1			
Plug From:		1.0			
Plug To:		2.799999952316284			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1006113796			
Method Construction Code:		B			
Method Construction:		Other Method			
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:		1006113786			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006113793			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.30000001192092896			
Depth To:		3.3499999046325684			
Casing Diameter:		5.079999923706055			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1006113794			
Layer:		1			
Slot:		10			
Screen Top Depth:		3.3499999046325684			
Screen End Depth:		4.820000171661377			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		5.880000114440918			
<u>Water Details</u>					
Water ID:		1006113792			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		2.299999952316284			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1006113791			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Diameter:		20.299999237060547			
Depth From:		0.0			
Depth To:		4.820000171661377			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
Links					
Bore Hole ID:	1006005751			Tag No:	A187187
Depth M:	4.82			Contractor:	1844
Year Completed:	2015			Path:	726\7263437.pdf
Well Completed Dt:	2015/09/16			Latitude:	45.3500275307502
Audit No:	Z227923			Longitude:	-75.8358576425221

51	1 of 1	E/246.7	63.7 / -0.13	IN FRONT OF 3-5 CRYSTAL BEACH DRIVE Ottawa ON	WWIS
Well ID:	7263434			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Observation Wells			Date Received:	24-May-2016 00:00:00
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z227922			Contractor:	1844
Tag:	A173538			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliability:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP				
Site Info:					

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date:	2015/09/18
Year Completed:	2015
Depth (m):	7.6
Latitude:	45.3514735255124
Longitude:	-75.8338363365547
Path:	

Bore Hole Information

Bore Hole ID:	1006005724	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	434684.00
Code OB Desc:		North83:	5022334.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	18-Sep-2015 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>Location Source Date:</i>					
<i>Improvement Location Source:</i>					
<i>Improvement Location Method:</i>					
<i>Source Revision Comment:</i>					
<i>Supplier Comment:</i>					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			1006113716		
Layer:			5		
Color:			2		
General Color:			GREY		
Mat1:			05		
Most Common Material:			CLAY		
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:			5.150000095367432		
Formation End Depth:			6.400000095367432		
Formation End Depth UOM:			m		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			1006113715		
Layer:			4		
Color:			2		
General Color:			GREY		
Mat1:			05		
Most Common Material:			CLAY		
Mat2:			28		
Mat2 Desc:			SAND		
Mat3:					
Mat3 Desc:					
Formation Top Depth:			1.7999999523162842		
Formation End Depth:			5.150000095367432		
Formation End Depth UOM:			m		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			1006113712		
Layer:			1		
Color:					
General Color:					
Mat1:					
Most Common Material:					
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:			0.0		
Formation End Depth:			0.15000000596046448		
Formation End Depth UOM:			m		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			1006113717		
Layer:			6		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		6.400000095367432			
Formation End Depth:		7.599999904632568			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006113713			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		01			
Most Common Material:		FILL			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		11			
Mat3 Desc:		GRAVEL			
Formation Top Depth:		0.15000000596046448			
Formation End Depth:		0.8999999761581421			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006113714			
Layer:		3			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.8999999761581421			
Formation End Depth:		1.7999999523162842			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006113724			
Layer:		1			
Plug From:		1.0			
Plug To:		5.599999904632568			
Plug Depth UOM:		m			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		1006113723			
Method Construction Code:		B			
Method Construction:		Other Method			
Other Method Construction:		HSA			

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

Pipe Information

Pipe ID: 1006113711
 Casing No: 0
 Comment:
 Alt Name:

Construction Record - Casing

Casing ID: 1006113720
 Layer: 1
 Material: 5
 Open Hole or Material: PLASTIC
 Depth From: 0.30000001192092896
 Depth To: 6.099999904632568
 Casing Diameter: 5.079999923706055
 Casing Diameter UOM: cm
 Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1006113721
 Layer: 1
 Slot: 10
 Screen Top Depth: 6.099999904632568
 Screen End Depth: 7.619999885559082
 Screen Material: 5
 Screen Depth UOM: m
 Screen Diameter UOM: cm
 Screen Diameter: 5.880000114440918

Water Details

Water ID: 1006113719
 Layer: 1
 Kind Code: 8
 Kind: Untested
 Water Found Depth: 4.25
 Water Found Depth UOM: m

Hole Diameter

Hole ID: 1006113718
 Diameter: 20.299999237060547
 Depth From: 0.0
 Depth To: 7.619999885559082
 Hole Depth UOM: m
 Hole Diameter UOM: cm

Links

Bore Hole ID:	1006005724	Tag No:	A173538
Depth M:	7.6	Contractor:	1844
Year Completed:	2015	Path:	726\7263434.pdf
Well Completed Dt:	2015/09/18	Latitude:	45.3514735255124
Audit No:	Z227922	Longitude:	-75.8338363365547

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

NEPEAN CITY ON

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:

Unplottable Summary

Total: **34** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	WESMAR HOMES LTD.	CARLING AVE.	NEPEAN CITY ON	
CA		Crystal Beach Diverson, Andrew Haydon Park	Ottawa ON	
CA	West Rideau Collector Sewer, Phase 5	Part of Lots 11, 12, 13 and 14, Concession 1	Ottawa ON	
CA	Loch Isle Road	Concession 1, Ottawa Front, Lots 12 & 13	Nepean ON	
CA	Taggart Construction Limited	Mobile Facility	Ottawa ON	
CA	Minto Developments Inc.	Part of Lots 12, 13 and 14 Concession 1, Rideau Front	Ottawa ON	
CA	City of Ottawa	Lot 13	Ottawa ON	
CA	City of Ottawa	Carling Avenue (Road allowance)	Ottawa ON	
CA	City of Ottawa	Carling Ave	Ottawa ON	
CA	NORTHERN TELECOM LTD., CARLING CAMPUS	CARLING AVENUE (SWM)	NEPEAN ON	
CA	L.SIPOLINS	SOUTH OF CARLING AVE.	OTTAWA 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	Taggart Construction Limited	Mobile Facility	Ottawa ON	K1V 8Y3
ECA	City of Ottawa	Crystal Beach Dr Between Carling Avenue and Ullswater Drive, Ullwater Drive Conniston Avenue, Bedale Drive, Hexham Road, Whitburn Crescent	Ottawa ON	K2G 6J8
ECA	City of Ottawa	Carling Ave	Ottawa ON	K2G 6J8
GEN	MINTO APARTMENTS LTD.	CRYSTAL BEACH DR.	OTTAWA ON	K2H 5H8

GEN	MINTO APARTMENTS LTD.	CRYSTAL BEACH DR.	OTTAWA ON
SPL	Taggart Construction Limited		Ottawa ON
SPL	Kiewit Eurovia Vinci	Carling Ave	Ottawa ON
SPL	HOTEL/MOTEL	CARLING AVENUE (N.O.S.)	OTTAWA CITY ON
SPL	Kiewit Eurovia Vinci	Spill site north of Carling Avenue	Ottawa ON
SPL	MacEwen Petroleum Inc.		Ottawa ON
SPL	OTTAWA TRANSIT	CARLING AVENUE BUS	OTTAWA ON
WWIS		lot 13	ON
WWIS		con 1	ON
WWIS		con 1	ON
WWIS		lot 12	ON
WWIS		lot 12	ON
WWIS		lot 12	ON
WWIS		lot 13	ON
WWIS		con 1	ON
WWIS		con 1	ON

Unplottable Report

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: Crystal Beach Diverson, Andrew Haydon Park Ottawa ON

Database:
CA

Certificate #: 1255-4UKKYZ
Application Year: 01
Issue Date: 3/8/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Corporation of the City of Ottawa
Client Address: 110 Laurier Avenue West
Client City: Ottawa
Client Postal Code: K1P 1J1
Project Description: Sewage pumping station , sanitary sewers and sewage forcemain to be constructed on Carling Avenue, 250 meters East of Acres Road in Crystal Beach Diverson
Contaminants:
Emission Control:

Site: West Rideau Collector Sewer, Phase 5
Part of Lots 11, 12, 13 and 14, Concession 1 Ottawa ON

Database:
CA

Certificate #: 2314-522N9J
Application Year: 01
Issue Date: 9/5/01
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: Sanitary sewers to be constructed in Regional Road 73.
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: *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: *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: *City of Ottawa*
Lot 13 Ottawa ON

Database:
CA

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

Site: 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:

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: 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: 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: **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

Ministry Ref No: 8556-6XWUA3

Notice Type: Instrument Decision

Notice Stage:

Notice Date: December 09, 2008

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:

Decision Posted:

Exception Posted:

Section:

Act 1:

Act 2:

Site Location Map:

Proponent Name:
Proponent Address: 3187 Albion Rd S, Ottawa Ontario, K1V 8Y3
Comment Period:
URL:

Site Location Details:

Mobile Facility Ottawa Ontario Ottawa

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
Business Name: City of Ottawa
Address: Carling Ave
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/5823-8GCKK6-14.pdf>
PDF Site Location:

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
Business Name: Taggart Construction Limited
Address: Mobile Facility
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/8556-6XWUA3-14.pdf>
PDF Site Location:

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

Site: *City of Ottawa*
Crystal Beach Dr Between Carling Avenue and Ullswater Drive, Ullwater Drive Conniston Avenue, Bedale Drive, Hexham Road, Whitburn Crescent Ottawa ON K2G 6J8

Database:
ECA

Approval No: 5933-A8YGGV
Approval Date: 2016-04-28
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: City of Ottawa
Address: Crystal Beach Dr Between Carling Avenue and Ullswater Drive, Ullwater Drive Conniston Avenue, Bedale Drive, Hexham Road, Whitburn Crescent
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/1636-A8BLAD-14.pdf>
PDF Site Location:

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

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
Business Name: City of Ottawa
Address: Carling Ave
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/9325-9AMR2C-14.pdf>
PDF Site Location:

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
SIC Code: 831990
SIC Description: 831990
Approval Years: 2014
PO Box No:
Country: Canada
Status:
Co Admin: DIANNE RIVET
Choice of Contact: CO_ADMIN
Phone No Admin: 613.822.0624 Ext.
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

Site: MINTO APARTMENTS LTD.
CRYSTAL BEACH DR. OTTAWA ON

Database:
GEN

Generator No: ON9382860
SIC Code: 831990
SIC Description:
Approval Years: 2013
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

Site: Taggart Construction Limited
Ottawa ON

Database:
SPL

Ref No: 7584-BB3KRQ
Site No: NA
Incident Dt: 4/4/2019
Year:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type: Corporation

Incident Cause:
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact:
Nature of Impact:
Receiving Medium:
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 4/9/2019
Dt Document Closed:
Incident Reason:
Site Name: 1896 John Quinn rd, Metcalfe<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: Mobile Crusher Relocation - 2019
Contaminant Qty:

Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office: Ottawa
Site Postal Code:
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: **Kiewit Eurovia Vinci**
Carling Ave Ottawa ON

Database:
SPL

Ref No: 4771-BW6QNN
Site No: NA
Incident Dt: 12/10/2020
Year:
Incident Cause:
Incident Event: Leak/Break
Contaminant Code: 15
Contaminant Name: HYDRAULIC OIL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1: n/a
Environment Impact:
Nature of Impact:
Receiving Medium:
Receiving Env: Land
MOE Response: No
Dt MOE Arvl on Scn:
MOE Reported Dt: 12/10/2020
Dt Document Closed: 2/1/2021
Incident Reason: Operator/Human Error
Site Name: Lincoln Fields Bus Station<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: Spill: 3L hydraulic oil to ground, chld
Contaminant Qty: 3 L

Discharger Report:
Material Group:
Health/Env Conseq: 2 - Minor Environment Corporation
Client Type: Miscellaneous Communal
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address: Carling Ave
Site District Office: Ottawa
Site Postal Code:
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing: 5023820
Easting: 438710
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: Land Spills
Source Type: Motor Vehicle

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

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:

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:

Site Conc:
Northing:
Easting: MCCR
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: *Kiewit Eurovia Vinci*
 Spill site north of Carling Avenue Ottawa ON

Database:
 SPL

Ref No: 7466-BWBNCD
Site No: NA
Incident Dt: 12/15/2020
Year:
Incident Cause:
Incident Event: Leak/Break
Contaminant Code: 15
Contaminant Name: HYDRAULIC OIL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1: n/a
Environment Impact:
Nature of Impact:
Receiving Medium:
Receiving Env: Land
MOE Response: No
Dt MOE Arvl on Scn:
MOE Reported Dt: 12/15/2020
Dt Document Closed: 2/1/2021
Incident Reason: Equipment Failure
Site Name: Lincoln Fields Bus Station<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: KEV: 0.5L hydraulic oil to grnd, cnted, clned
Contaminant Qty: 0.5 L

Discharger Report:
Material Group:
Health/Env Conseq: 2 - Minor Environment
Client Type: Corporation
Sector Type: Miscellaneous Communal
Agency Involved:
Nearest Watercourse:
Site Address: Spill site north of Carling Avenue
Site District Office: Ottawa
Site Postal Code:
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing: 5023964
Easting: 438776
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: Land Spills
Source Type: Valve/Fitting/Piping

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:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type: Tank Truck
Sector Type:
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 Geo Ref Meth:
Incident Summary:
Contaminant Qty:

MacEwen Fuels <54000L on board tanker in ditch, spill cont.

Site: OTTAWA TRANSIT
CARLING AVENUE BUS OTTAWA ON

Database:
SPL

Ref No: 187680	Discharger Report:
Site No:	Material Group:
Incident Dt: 9/29/2000	Health/Env Conseq:
Year:	Client Type:
Incident Cause: PIPE/HOSE LEAK	Sector Type:
Incident Event:	Agency Involved:
Contaminant Code:	Nearest Watercourse:
Contaminant Name:	Site Address:
Contaminant Limit 1:	Site District Office:
Contam Limit Freq 1:	Site Postal Code:
Contaminant UN No 1:	Site Region:
Environment Impact: POSSIBLE	Site Municipality: 20107
Nature of Impact: Water course or lake	Site Lot:
Receiving Medium: WATER	Site Conc:
Receiving Env:	Nothing:
MOE Response:	Easting: PUBLIC WORKS, FIRE DEPARTMENT
Dt MOE Arvl on Scn:	Site Geo Ref Accu:
MOE Reported Dt: 9/29/2000	Site Map Datum:
Dt Document Closed:	SAC Action Class:
Incident Reason: UNKNOWN	Source Type:
Site Name:	
Site County/District:	
Site Geo Ref Meth:	
Incident Summary: OC TRANSPD:DIESEL FUEL LEAK FROM FUEL PUMP/LINE INTO SEWER-WORKS NOTIFIED	
Contaminant Qty:	

Site: lot 13 ON

Database:
WWIS

Well ID: 1520666	Flowing (Y/N):
Construction Date:	Flow Rate:
Use 1st: Domestic	Data Entry Status:
Use 2nd:	Data Src: 1
Final Well Status: Water Supply	Date Received: 08-Aug-1986 00:00:00
Water Type:	Selected Flag: TRUE
Casing Material:	Abandonment Rec:
Audit No: NA	Contractor: 1517
Tag:	Form Version: 1
Constructn Method:	Owner:
Elevation (m):	County: OTTAWA-CARLETON
Elevatn Reliabilty:	Lot: 013
Depth to Bedrock:	Concession:
Well Depth:	Concession Name:
Overburden/Bedrock:	Easting NAD83:
Pump Rate:	Northing NAD83:
Static Water Level:	Zone:
Clear/Cloudy:	UTM Reliability:
Municipality: OTTAWA CITY	
Site Info:	

Bore Hole Information

Bore Hole ID: 10042508	Elevation:
DP2BR:	Elevrc:
Spatial Status:	Zone: 18
Code OB:	East83:
Code OB Desc:	North83:
Open Hole:	Org CS:
Cluster Kind:	UTMRC: 9

Date Completed: 17-Jul-1986 00:00:00
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock
Materials Interval

Formation ID: 931045467
Layer: 1
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 75.0
Formation End Depth UOM: ft

Annular Space/Abandonment
Sealing Record

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

Method of Construction & Well
Use

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

Pipe Information

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

Construction Record - Casing

Casing ID: 930074202
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 30.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991520666
Pump Set At:
Static Level: 1.0
Final Level After Pumping: 40.0
Recommended Pump Depth: 60.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 70.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

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

Draw Down & Recovery

Pump Test Detail ID: 934907199
Test Type:
Test Duration: 60
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

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

Draw Down & Recovery

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

Water Details

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

Site:
con 1 ON

Database:
WWIS

Well ID: 1528855
Construction Date:
Use 1st: Domestic

Flowing (Y/N):
Flow Rate:
Data Entry Status:

Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 135092
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Data Src: 1
Date Received: 21-Feb-1996 00:00:00
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6629
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot:
Concession: 01
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050391
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 27-Jun-1995 00:00:00
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock

Materials Interval

Formation ID: 931071019
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 25.0
Formation End Depth: 55.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931071018
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 81
Mat2 Desc: SANDY
Mat3: 66
Mat3 Desc: DENSE

Formation Top Depth: 0.0
Formation End Depth: 25.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931071020
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 55.0
Formation End Depth: 94.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931071021
Layer: 4
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 94.0
Formation End Depth: 103.0
Formation End Depth UOM: ft

Method of Construction & Well
Use

Method Construction ID: 961528855
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10598961
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930088072
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 58.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc:

Pump Test ID: 991528855
Pump Set At:
Static Level: 30.0
Final Level After Pumping: 65.0
Recommended Pump Depth: 90.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 8.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method:
Pumping Duration HR: 1
Pumping Duration MIN: 15
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934105744
Test Type: Draw Down
Test Duration: 15
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934389369
Test Type: Draw Down
Test Duration: 30
Test Level: 65.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934658544
Test Type: Draw Down
Test Duration: 45
Test Level: 65.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934907069
Test Type: Draw Down
Test Duration: 60
Test Level: 65.0
Test Level UOM: ft

Water Details

Water ID: 933488726
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 103.0
Water Found Depth UOM: ft

Water Details

Water ID: 933488725
Layer: 2

Kind Code: 1
Kind: FRESH
Water Found Depth: 97.0
Water Found Depth UOM: ft

Water Details

Water ID: 933488724
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 85.0
Water Found Depth UOM: ft

Site: con 1 ON

Database: WWIS

Well ID: 1528250
Construction Date:
Use 1st: Not Used
Use 2nd:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: 151799
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 24-Oct-1994 00:00:00
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6844
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot:
Concession: 01
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049789
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 11-Oct-1994 00:00:00
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc: 18
Zone:
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock
Materials Interval

Formation ID: 931069086
Layer: 2
Color: 6
General Color: BROWN
Mat1: 08
Most Common Material: FINE SAND
Mat2:

Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 5.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931069085
Layer: 1
Color: 6
General Color: BROWN
Mat1: 01
Most Common Material: FILL
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 78
Mat3 Desc: MEDIUM-GRAINED
Formation Top Depth: 0.0
Formation End Depth: 5.0
Formation End Depth UOM: ft

Annular Space/Abandonment
Sealing Record

Plug ID: 933113108
Layer: 1
Plug From: 1.0
Plug To: 4.0
Plug Depth UOM: ft

Annular Space/Abandonment
Sealing Record

Plug ID: 933113109
Layer: 2
Plug From: 4.0
Plug To: 5.0
Plug Depth UOM: ft

Annular Space/Abandonment
Sealing Record

Plug ID: 933113110
Layer: 3
Plug From: 5.0
Plug To: 10.0
Plug Depth UOM: ft

Method of Construction & Well
Use

Method Construction ID: 961528250
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10598359
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930087025
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 10.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326510
Layer: 1
Slot: 100
Screen Top Depth: 5.0
Screen End Depth: 10.0
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.0

Water Details

Water ID: 933487871
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 7.0
Water Found Depth UOM: ft

Site: lot 12 ON

Database:
[WWIS](#)

Well ID: 1523196
Construction Date:
Use 1st:
Use 2nd:
Final Well Status:
Water Type:
Casing Material:
Audit No: 39047
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 09-Jan-1989 00:00:00
Selected Flag: TRUE
Abandonment Rec:
Contractor: 5222
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 012
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10044999
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:

Cluster Kind:
Date Completed: 15-Jul-1988 00:00:00
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock
Materials Interval

Formation ID: 931053865
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 01
Mat2 Desc: FILL
Mat3: 79
Mat3 Desc: PACKED
Formation Top Depth: 0.0
Formation End Depth: 8.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931053866
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 18
Mat2 Desc: SANDSTONE
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 8.0
Formation End Depth: 78.0
Formation End Depth UOM: ft

Annular Space/Abandonment
Sealing Record

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

Method of Construction & Well
Use

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

Pipe Information

Pipe ID: 10593569
Casing No: 1

Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991523196
Pump Set At:
Static Level: 8.0
Final Level After Pumping: 50.0
Recommended Pump Depth: 50.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 20.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

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

Draw Down & Recovery

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

Draw Down & Recovery

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

Draw Down & Recovery

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

Water Details

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

Water Details

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

Water Details

Water ID: 933481372
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 56.0
Water Found Depth UOM: ft

Site: lot 12 ON

Database:
WWIS

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

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 28-May-2005 00:00:00
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6907
Form Version: 3
Owner:
County: OTTAWA-CARLETON
Lot: 012
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11316047
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 10-May-2005 00:00:00
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone:
East83:
North83:
Org CS:
UTMRC:
UTMRC Desc:
Location Method: na

Method of Construction & Well Use

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

Pipe Information

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

Site: lot 12 ON

Database:
[WWIS](#)

Well ID: 1520054
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 02-Oct-1985 00:00:00
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1505
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 012
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10041904
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9

Date Completed: 08-Jul-1985 00:00:00
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock
Materials Interval

Formation ID: 931043593
Layer: 5
Color: 2
General Color: GREY
Mat1: 26
Most Common Material: ROCK
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 71
Mat3 Desc: FRACTURED
Formation Top Depth: 60.0
Formation End Depth: 68.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931043589
Layer: 1
Color: 6
General Color: BROWN
Mat1: 01
Most Common Material: FILL
Mat2: 77
Mat2 Desc: LOOSE
Mat3: 79
Mat3 Desc: PACKED
Formation Top Depth: 0.0
Formation End Depth: 1.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931043594
Layer: 6
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 26
Mat2 Desc: ROCK
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 68.0
Formation End Depth: 75.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931043592
Layer: 4

Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 13
Mat2 Desc: BOULDERS
Mat3: 60
Mat3 Desc: CEMENTED
Formation Top Depth: 14.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931043591
Layer: 3
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 2.0
Formation End Depth: 14.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931043590
Layer: 2
Color: 6
General Color: BROWN
Mat1: 06
Most Common Material: SILT
Mat2: 28
Mat2 Desc: SAND
Mat3: 79
Mat3 Desc: PACKED
Formation Top Depth: 1.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Method of Construction & Well
Use

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

Pipe Information

Pipe ID: 10590474
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930073157
Layer: 1
Material: 1

Open Hole or Material: STEEL
Depth From:
Depth To: 73.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991520054
Pump Set At:
Static Level: 0.0
Final Level After Pumping: 30.0
Recommended Pump Depth: 35.0
Pumping Rate: 50.0
Flowing Rate:
Recommended Pump Rate: 50.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934110332
Test Type:
Test Duration: 15
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

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

Draw Down & Recovery

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

Draw Down & Recovery

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

Water Details

Water ID: 933477202
Layer: 1
Kind Code: 1
Kind: FRESH

Water Found Depth: 65.0
Water Found Depth UOM: ft

Site:
lot 13 ON

Database:
WWIS

Well ID: 1517753
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 18-Mar-1982 00:00:00
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 013
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10039625
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 23-Feb-1982 00:00:00
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock
Materials Interval

Formation ID: 931036221
Layer: 4
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 75.0
Formation End Depth: 175.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931036220

Layer: 3
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 55.0
Formation End Depth: 75.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931036218
Layer: 1
Color: 7
General Color: RED
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 5.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931036219
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 5.0
Formation End Depth: 55.0
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

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

Pipe Information

Pipe ID: 10588195
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930069266
Layer: 2

Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 175.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

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

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991517753
Pump Set At:
Static Level: 50.0
Final Level After Pumping: 100.0
Recommended Pump Depth: 165.0
Pumping Rate: 25.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

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

Draw Down & Recovery

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

Draw Down & Recovery

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

Draw Down & Recovery

Pump Test Detail ID: 934646421
Test Type: Draw Down
Test Duration: 45
Test Level: 100.0
Test Level UOM: ft

Water Details

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

Site:
con 1 ON

Database:
WWIS

Well ID: 1532635
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Abandoned-Quality
Water Type:
Casing Material:
Audit No: 235219
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 17-Jan-2002 00:00:00
Selected Flag: TRUE
Abandonment Rec:
Contractor: 4006
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot:
Concession: 01
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10523764
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 05-Dec-2001 00:00:00
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Method of Construction & Well Use

Method Construction ID: 961532635
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 11072334
Casing No: 1
Comment:
Alt Name:

Site:
con 1 ON

Database:
WWIS

Well ID: 1534064
Construction Date:
Use 1st: Not Used
Use 2nd:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: 248010
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 09-Sep-2003 00:00:00
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1119
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot:
Concession: 01
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10543179
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 12-Aug-2003 00:00:00
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Method of Construction & Well Use

Method Construction ID: 961534064
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 11091749
Casing No: 1
Comment:
Alt Name:

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 Nov 2021

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-Mar 2022

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-May 31, 2022

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 2020

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: Feb 28, 2022

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-May 31, 2022

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 -Sep 2022

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-Sep 2022

Certificates of Property Use:

Provincial CPU

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

Government Publication Date: 1994 - Oct 31, 2022

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 - Oct 2022

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: Feb 28, 2022

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- Sep 30, 2022

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 - Oct 31, 2022

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- Sep 30, 2022

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-Jul 31, 2022

Environmental Issues Inventory System:

Federal [EIIS](#)

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial **EMHE**

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Apr 30, 2022

Environmental Penalty Annual Report:

Provincial **EPAR**

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment 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, 2021

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: Feb 28, 2022

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 2022

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: Feb 28, 2022

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-Oct 31, 2022

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 2019

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: Feb 28, 2022

Landfill Inventory Management Ontario:

Provincial

[LIMO](#)

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

Government Publication Date: Mar 21, 2022

Canadian Mine Locations:

Private

[MINE](#)

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial

[MNR](#)

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

Government Publication Date: 1846-Feb 2022

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, 2020

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-Jun 30, 2021

National Energy Board Wells:

Federal

[NEBP](#)

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

[NEES](#)

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

Government Publication Date: 1974-2003*

National PCB Inventory:

Federal

[NPCB](#)

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal

[NPRI](#)

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

Private

[OGWE](#)

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

Government Publication Date: 1988-Aug 31, 2022

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-Aug 2021

Inventory of PCB Storage Sites:

Provincial

[OPCB](#)

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

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

Orders:

Provincial

[ORD](#)

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

Government Publication Date: 1994 - Oct 31, 2022

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*

<u>Pesticide Register:</u>	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- Sep 30, 2022		
<u>Pipeline Incidents:</u>	Provincial	PINC
List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.		
Government Publication Date: Feb 28, 2021		
<u>Private and Retail Fuel Storage Tanks:</u>	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*		
<u>Permit to Take Water:</u>	Provincial	PTTW
This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include PTTW's on the registry such as OWRA s. 34 - Permit to take water.		
Government Publication Date: 1994 - Oct 31, 2022		
<u>Ontario Regulation 347 Waste Receivers Summary:</u>	Provincial	REC
Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.		
Government Publication Date: 1986-1990, 1992-2019		
<u>Record of Site Condition:</u>	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-Oct 2022		
<u>Retail Fuel Storage Tanks:</u>	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-May 31, 2022		
<u>Scott's Manufacturing Directory:</u>	Private	SCD
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*		
<u>Ontario Spills:</u>	Provincial	SPL
List of spills and incidents made available the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.		
Government Publication Date: 1988-Sep 2020; Dec 2020-Mar 2021		

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, 2020

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 - Dec 2020

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: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory:

Provincial

[WDS](#)

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Oct 2011- Sep 30, 2022

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial

[WDSH](#)

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial

[WWIS](#)

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Jun 30 2022

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

Mandy Witteman, M.A.Sc., P.Eng. Intermediate Environmental Engineer

Mandy joined Paterson Group in June 2018 as part of the Environmental Department. Mandy received her Bachelor of Engineering from Carleton University in 2008, specializing in Environmental Engineering. Following graduation, Mandy gained experience in the private sector conducting Phase II ESAs and reporting GHG emission inventories. In 2009, Mandy began her post-graduate degree in a Master of Applied Science, specializing in applied unsaturated soil mechanics with applications to geomechanical designs of subsurface tailing structures. Mandy has published in the Canadian Geotechnical Journal, as well as the International Conference Geo/Paste Proceedings in 2010 and 2011. Following post-graduate, Mandy joined the Tailings Group at Thurber Engineering Ltd. in Calgary, where she applied knowledge gained from her post-graduate research in designing and developing bench scale and pilot programs that were implemented by oil sand operators in Fort McMurray. Additionally, Mandy also worked as a QA/QC engineer on a slurry wall construction at a Potash Mine. Her scope of work included daily in-situ testing of the construction materials used for QA/QC purposes, as well as managing and supervising daily construction activities. Since joining Paterson Group in 2018, Mandy has worked on numerous residential and commercial developments, predominantly within the National Capital Region. Her scope of work consists of managing and conducting Phase I and II ESAs, reporting and managing subsurface programs, and liaising with subcontractors, clients and consultants.

EDUCATION

Bachelor of Engineering in
Environmental Engineering, 2008
Carleton University
Ottawa, Ontario

Master of Applied Science in
Environmental Engineering, 2013
Carleton University
Ottawa, Ontario

ASSOCIATIONS/AFFILIATIONS

Ontario Professional Engineers
Association

Ottawa Geotechnical Group

YEARS OF EXPERIENCE

Paterson Group: 4

Thurber Engineering: 2

Carleton University: 4

SELECT LIST OF PROJECTS

- Grey Hound Bus Terminal: 265 Catherine Street, Ottawa, ON (Phase I – II ESAs, Remediation Action Plan)
- Residential Development: 550 King Street West, Brockville, ON (Phase I ESA - Enhanced Investigation Property, Phase II ESA)
- Redevelopment Project: 10 McArthur Avenue, Ottawa, ON (Phase I & II ESAs, Record of Site Condition)
- Mixed-Use Redevelopment Project: 438 Albert Street, Ottawa, ON (Phase I & II ESAs, Record of Site Condition)
- Mixed-Use Redevelopment Project: 900 Albert Street, Ottawa, ON (Phase II ESA)
- Mixed-Use Redevelopment Project: 108 Nepean Street, Ottawa, ON (Phase I & II ESAs, Record of Site Condition)
- Mixed-Use Redevelopment Project: 450 Rochester Street, Ottawa, ON (Phase I & II ESAs, Record of Site Condition)
- Mixed-Use Redevelopment Project: 829 Carling Avenue, Ottawa, ON (Phase I & II ESAs)

Karyn Munch, P.Eng. QP_{ESA} Senior Environmental Engineer

Karyn received her Bachelor's of Applied Science from Carleton University in 2002 in Environmental Engineering. Upon graduation Karyn began working as a consultant for Dessau Soprin Inc. After one year of working for Dessau, Karyn joined the Paterson Group in the Environmental Division. Karyn has worked for Paterson for 19 years and has accrued extensive field and office experience. Karyn's experience working in the field ranges from Phase I site reviews, Phase II investigations, Remediation site inspections and designated substance surveys. Through her eight years of field experience, Karyn has obtained invaluable knowledge on contractor relationships, budgets, time management, consultant/owner relation, quality data and information, and working with a variety of different personnel and situations. Since 2012, Karyn has moved into a more senior role by becoming a qualified person for environmental assessments, overseeing small to large scale environmental projects, which include, Phase I and II reports, Record of Site Conditions and Brownfield Applications. Karyn has assisted with Mark D'Arcy in the development of young staff and continuous improvement of Paterson internal systems.

EDUCATION

B.Eng. 2002, Environmental Engineering, Carleton University, Ontario, ON

LICENCE/ PROFESSIONAL AFFILIATIONS

Professional Engineers of Ontario

Ontario Society of Professional Engineers

Ottawa Geotechnical Group

YEARS OF EXPERIENCE

With Paterson: 19

With other Firms: 2

OFFICE LOCATION

154 Colonnade Road South,
Nepean, Ontario, K2E 7J5

SELECT LIST OF PROJECTS

- 409 MacKay, Ottawa, ON Phase I ESA, Phase II ESA, Phase III ESA, and Remediation Program (Project Manager)
- Redevelopment of 222 Beechwood Avenue, Ottawa, ON Phase I ESA, Phase II ESA, Phase III (Project Manager)
- 1000 Wellington Street West, Ottawa ON, Phase I ESA, Phase II ESA, Phase III ESA, Environmental Soil Remediation and filing of a Record of Site Condition (RSC) in the MECP Environmental Site Registry (Project Manager)
- 26 Stanley Avenue, Ottawa ON, Phase I ESA, Phase II ESA (Project Manager)
- Riverview Development – Kingston, ON, Phase I ESA, Phase II ESA, and filing of an RSC in the MECP Environmental Site Registry (Project Manager)
- Mixed-Use Redevelopment - Richmond Road, Phase I ESA, Phase II ESA, Soil Remediation Program (Project Manager)
- Ottawa University Desmarais Building, Ottawa, ON, Soil Remediation and Redevelopment (Project Manager)
- Rideau Centre Expansion, Ottawa, ON, Soil Remediation Program (Project Manager)
- Brownfields Applications – Residential and Commercial Redevelopment - Ottawa, Ontario
- Lees Avenue Remediation and Reconstruction, Ottawa, ON
- Phase I and Phase II Investigations in accordance with CSA standards and O.Reg 153/04

PROFESSIONAL EXPERIENCE

June 2011 to present, **Senior Environmental Engineer, Paterson Group Inc.**, Ottawa, Ontario

- Provide on-site environmental expertise for various soil and groundwater remediation projects including but not limited to the following: 222 Beechwood Remediation, 1000 Wellington Street West Remediation, 409 MacKay Street and Rideau Centre Expansion.
- Oversee Phase I and Phase II Investigations in accordance with CSA standards and O.Reg 153/04 on a variety of residential and commercial developments.
- Responsible for filing Records of Site Condition with the MOECC Environmental Site Registry.
- Preparation of submissions to the City of Ottawa's Brownfields Redevelopment Program.
- Problem solving to help advance or maintain project schedules.
- Complete environmental reports with recommendations for environmental concerns.
- Liaising with contractors, consultants and government officials.
- Provide cost estimates for environment field programs and construction costs.
- Review RFI's, submittals, monthly progress reports and other various construction related work.

June 2009 to June 2010, **Environmental Officer, Department of Indian and Northern Affairs (INAC)**, Ottawa, Ontario

- Provided guidance and support regarding various aspects of the Contaminated Sites Management Plan (CSMP) and the Canadian Accelerated Action Plan (CEAP), to regional INAC offices.
- Reported to Federal Contaminated Sites Action Plan (FCSAP) Secretariat on monthly and quarterly CSMP progress.
- Completion of various reporting requirements including Privy Council Office (PCO) requests regarding accelerated remediation projects, Annual Reference Level Updating, Internal Quarterly Reports and First Nation Land Management (FNLM) Class 3 Remediation Projects
- Composition and revision of Three-Year CSMP and the Contaminated Sites Program Renewal.
- Management of various databases including ESSIMS (internal to INAC), IDEA (Environment Canada) and CIDM (electronic filing system) and Federal Contaminated Sites Inventory (FCSI).
- Interacted on a regular basis with other federal departments, other INAC sectors, regional INAC offices and senior management.
- Participated in Aquatic Sites Working Group (ASWG), Contaminated Sites Management Working Group (CSMWG) and Environmental Learning Regime workshops/workgroups.

January 2003 to June 2009, **Environmental Engineer, Paterson Group**, Ottawa, Ontario

- Experience in coordination and management of a variety of environmental projects. Typical projects include Phase I-Environmental Site Assessments (ESAs), Phase II and III-Environmental Site Characterizations, Soil and Groundwater Remediation Programs, Designated Substance Surveys and the preparation of Records of Site Condition.
- Coordination of contractors and field staff while directly reporting to senior management and client throughout the project to ensure completion on schedule and within budget.
- Experience in collaborating with provincial and municipal bodies as well as sub-consultants, contractors and clients.
- Extensive field experience including the management of drilling and excavation contractors, inspection of aboveground and underground fuel storage tanks, soil classification, soil and groundwater sampling, collection of hazardous building materials and designated substances.
- Responsible for the application of environmental, hydrogeological and geotechnical principles and practices in the identification and delineation of soil and groundwater contamination plumes and ensuring compliance with federal, provincial and/or municipal legal and regulatory requirements.
- Present analytical test results, interpretations, assessments, recommendations and/or conclusions in a final technical report.

August 2002 – December 2002, **Junior Engineer, Dessau Soprin Inc.**, Ottawa, Ontario

Lebreton Flats Remediation and Infrastructure Project

- Responsible for supervision of weight-scale and record keeping for soil management practices.
- Managed excavation contractors to ensure soil quality control; daily reporting to project manager.