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

List of Figures

List of Appendices

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 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. Ssurrounding 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	Skaff Restaurants Ltd.	Motel	Commercial Use	1968 aerial photograph shows the motel on-site.
1975-1981	Clarkson Company Ltd.	Motel	Commercial Use	No available observations
1981-Present	Romano Di Franco and Lucia Di Franco (Compari Restaurant Ltd)	Motel	Commercial Use	1988 city directories listed the property as Villa Lucia.

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

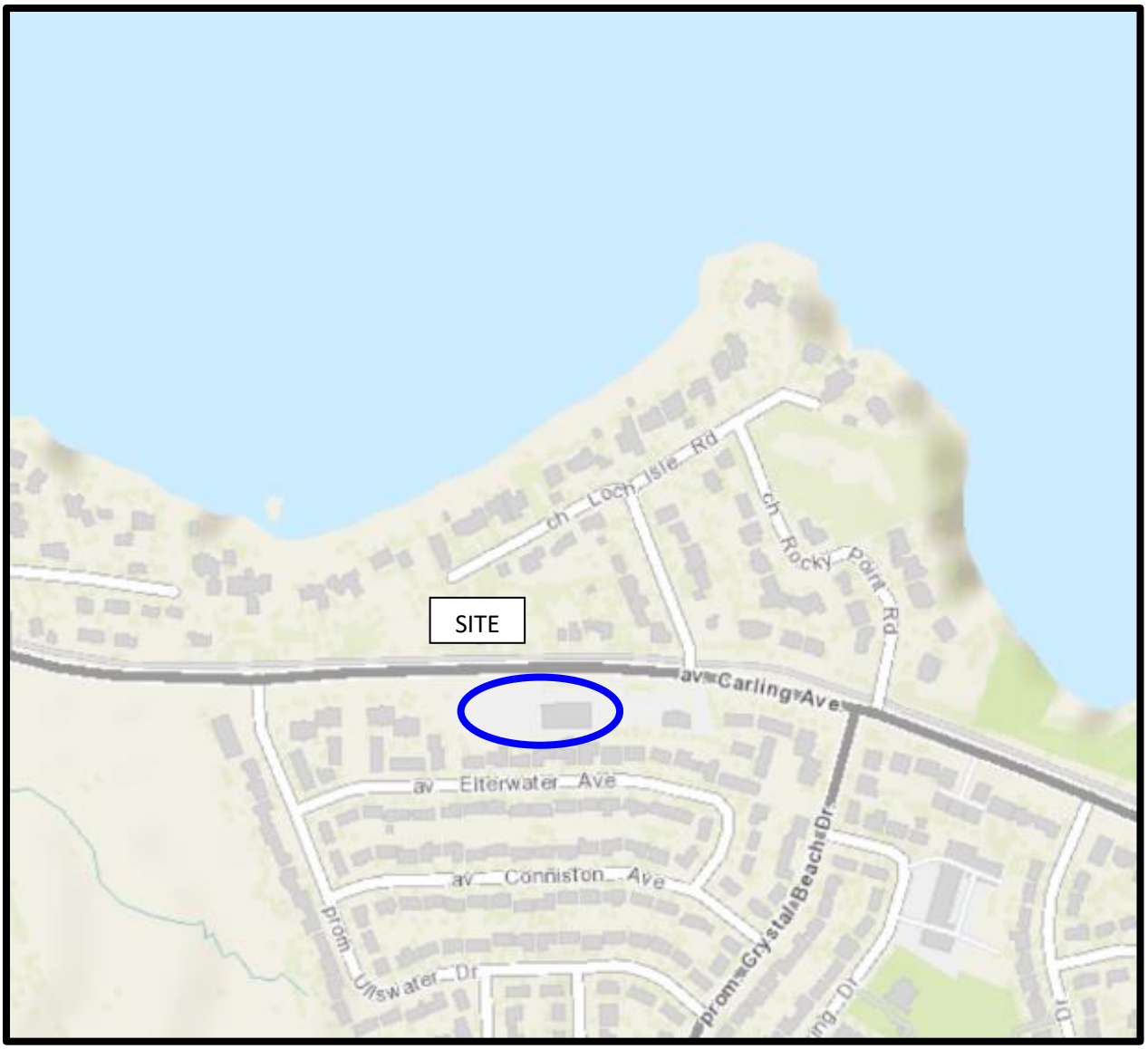


FIGURE 1

KEY PLAN

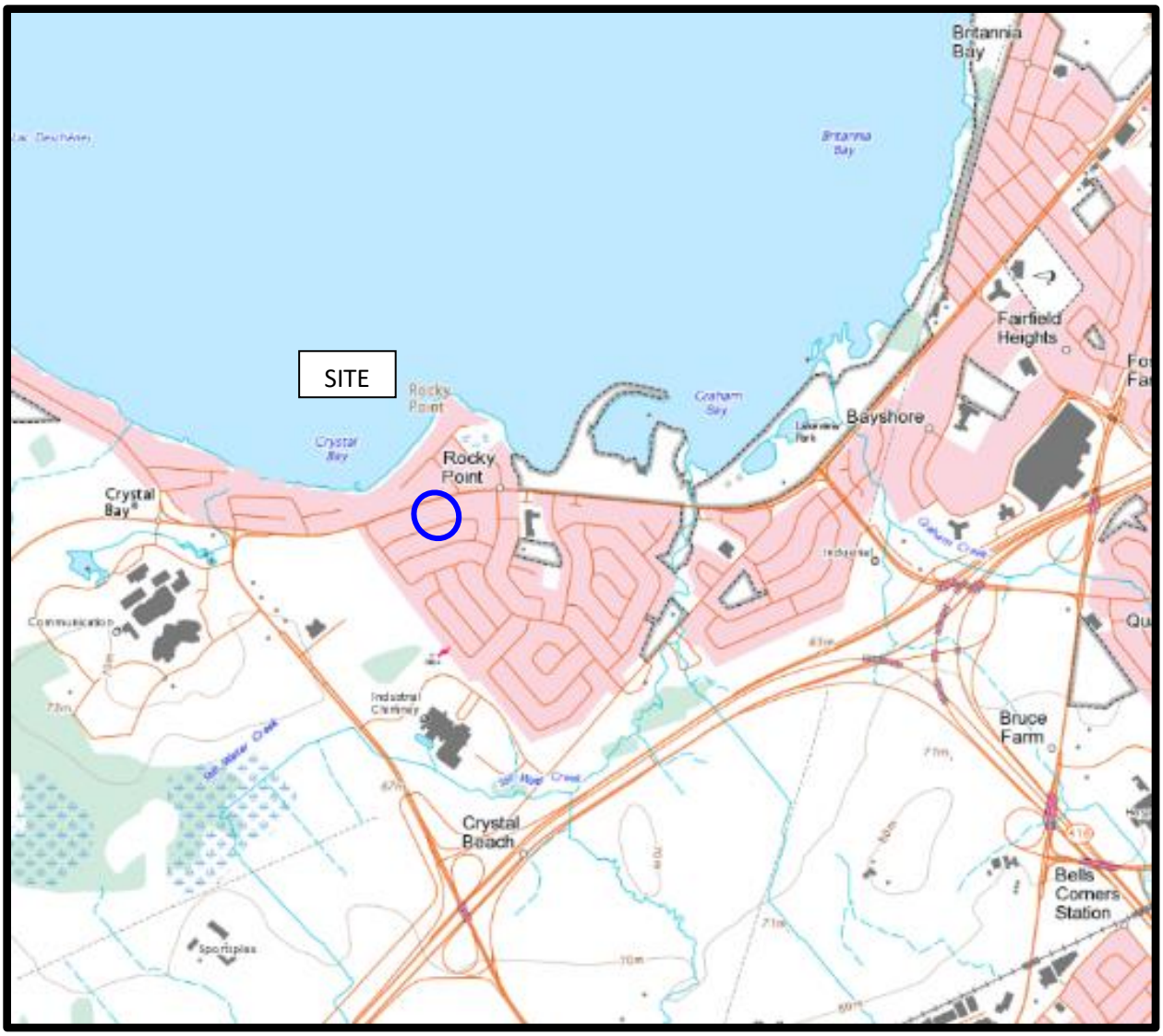


FIGURE 2

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

FH - TBM

BURIED CABLE

WATER LINE

#1 ULLSWATER AVENUE
RESIDENTIAL APARTMENT BUILDINGS

ASPHALTIC CONCRETE PARKING LOT

BH 2
99.23

#3440 CARLING AVENUE
RESTAURANT (LUCIA VILLA)

#3420 CARLING AVENUE
MCEWAN RETAIL FUEL OUTLET

BH 4
99.31

GAS SERVICE LINE

GS

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

0 5 10 15 20 25 30m

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

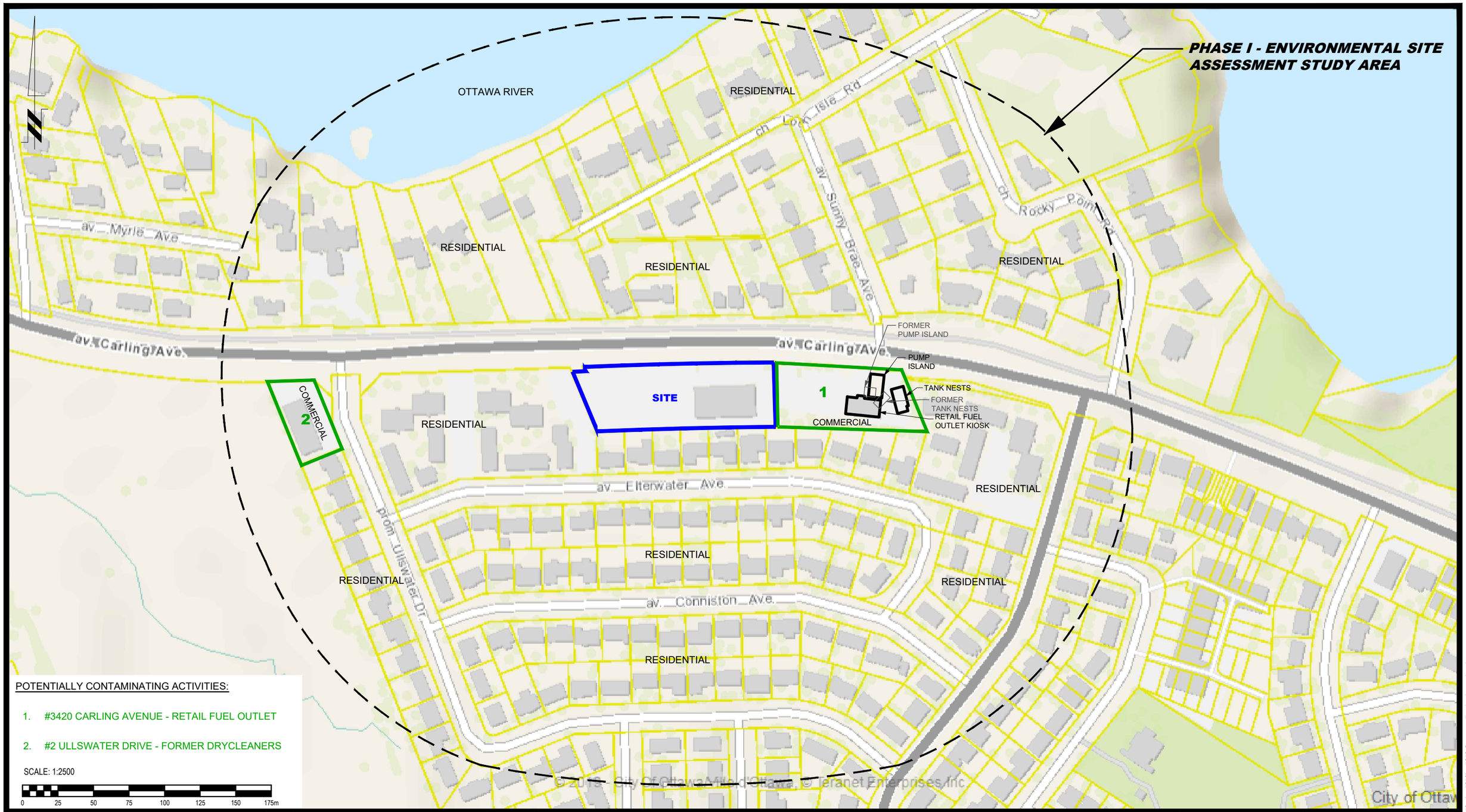
OTTAWA, ONTARIO

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\pe58xx\pe5853\pe5853-1-site plan.dwg



POTENTIALLY CONTAMINATING ACTIVITIES:

1. #3420 CARLING AVENUE - RETAIL FUEL OUTLET
2. #2 ULLSWATER DRIVE - FORMER DRYCLEANERS

SCALE: 1:2500

0 25 50 75 100 125 150 175m

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:

SURROUNDING LAND USE PLAN

Scale: 1:2500	Date: 12/2022
Drawn by: YA	Report No.: PE5853-1
Checked by: MW	Dwg. No.: PE5853-2
Approved by: MSD	Revision No.:

p:\autocad drawings\environmental\pe58xx\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)

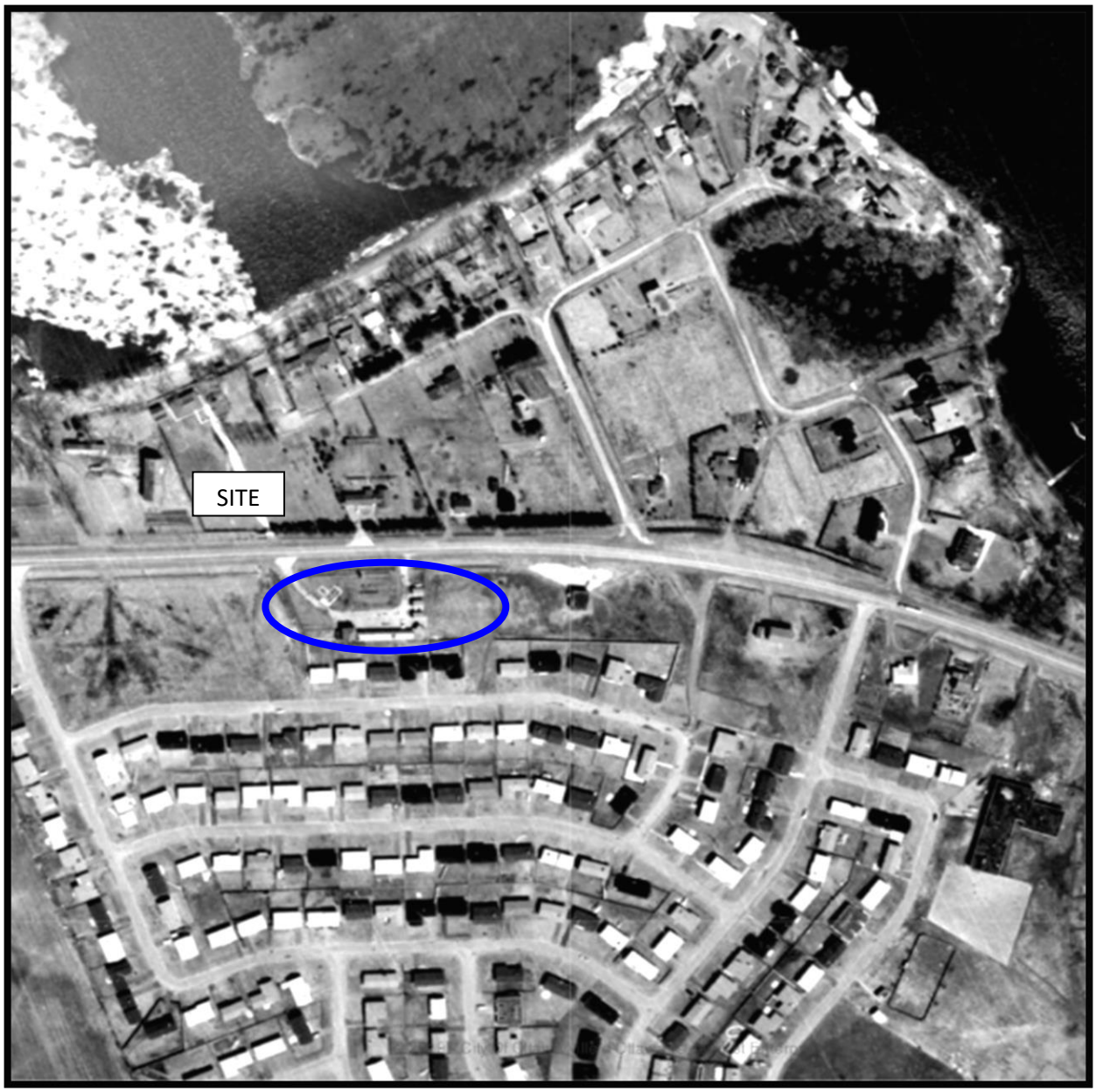
Deed NS186529 registered Apr 14, 1983
From Romano Di Franco and Lucia Di Franco to Compari Restaurant Ltd.

AERIAL PHOTOGRAPH
1951

PATERSON GROUP

AERIAL PHOTOGRAPH
1958

PATERSON GROUP



AERIAL PHOTOGRAPH
1965

PATERSON GROUP

AERIAL PHOTOGRAPH
1976

PATERSON GROUP

AERIAL PHOTOGRAPH
1983

PATERSON GROUP

AERIAL PHOTOGRAPH
1991

PATERSON GROUP

AERIAL PHOTOGRAPH
2005

PATERSON GROUP

AERIAL PHOTOGRAPH
2017

PATERSON GROUP

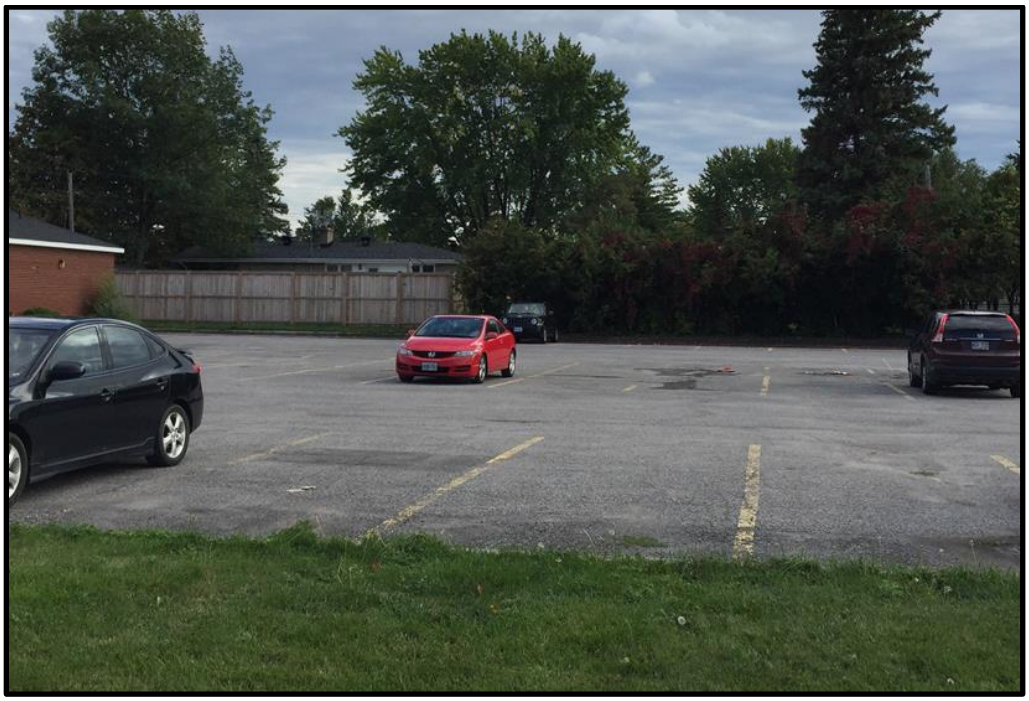
AERIAL PHOTOGRAPH
2021

PATERSON GROUP

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.

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

Ontario

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)

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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 * witteman

First Name * mandy

Middle Initial

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

Project/Reference Number (if applicable) PE5853

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 * Manivannan

First Name * Shibinn

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

Mailing Address

Unit Number

Street Number * 9

Street Name * auriga dr

PO Box

City/Town * ottawa

Province * ON

Postal Code * K2E 7T9

Telephone Number * 613-800-5575

ext.

Email Address * mwitteman@patersongroup.ca

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 | 18 | Z | 4 3 1 4 3 1 4 0 | E
| 9 | R | 5 0 1 2 2 1 5 0 | N

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

Basin | 2 5 | | |

ONTARIO

The Well Drillers Act
Department of Mines, Province of Ontario

RECEIVED
JUN 15 1953
GEOLOGICAL BRANCH
DEPARTMENT of MINES

15 No ~~3800~~

Water Well Record

[redacted], ~~Village, Town or City~~ Nepean
Town or City) March Rd
C.T.y. View Ont.

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

Pipe and Casing Record

Casing diameter(s) 6 1/4"
Length(s) of casing(s) 37'
Type of screen —
Length of screen —
Distance from top of screen to ground level —
Is well a gravel-wall type? —

Pumping Test

Date May 27
Static level 15'
Pumping level 26'
Pumping rate 500 G.P.H.
Duration of test 3.0 Min.
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 —

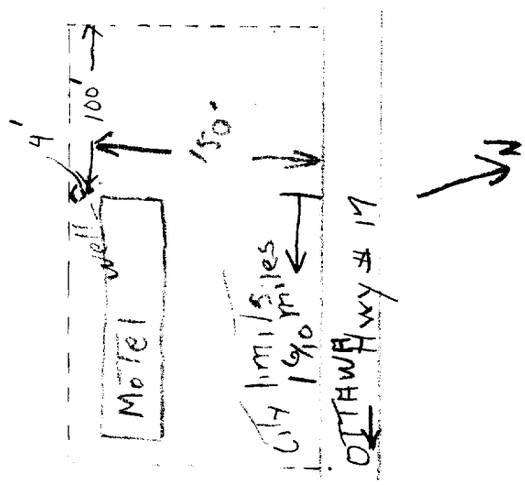
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
60'	Good	45'
118'	"	103'

Well Log

Overburden and Bedrock Record	From	To
Clay	0 ft.	25 ft.
hardpan	25'	35'
limestone	35'	118'

Location of Well

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



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

C. McLean
Signature of Licensee

FORM 5

CSS.88

UTM 18Z 434280E
OTTAWA FRONT
15R 502230 10N

Elev. 14R 52000

Basin 25

County or District CARLETON

Township, Village, Town or City Nepean

Lot I of Lot 12

Date completed 13 March 1962 (day month year)

Address Hazeldean, Ontario.

GROUND WATER BRANCH
15 No 3794
APR 24 1962
ONTARIO WATER RESOURCES COMMISSION

The Ontario Water Resources Commission Act

WATER WELL RECORD

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

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: 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 Palaise Road,

Ottawa 5, Ontario

Licence Number ######## #474

Name of Driller or Borer J. Moore

Address Kars, Ont.

Date 13 March 1962

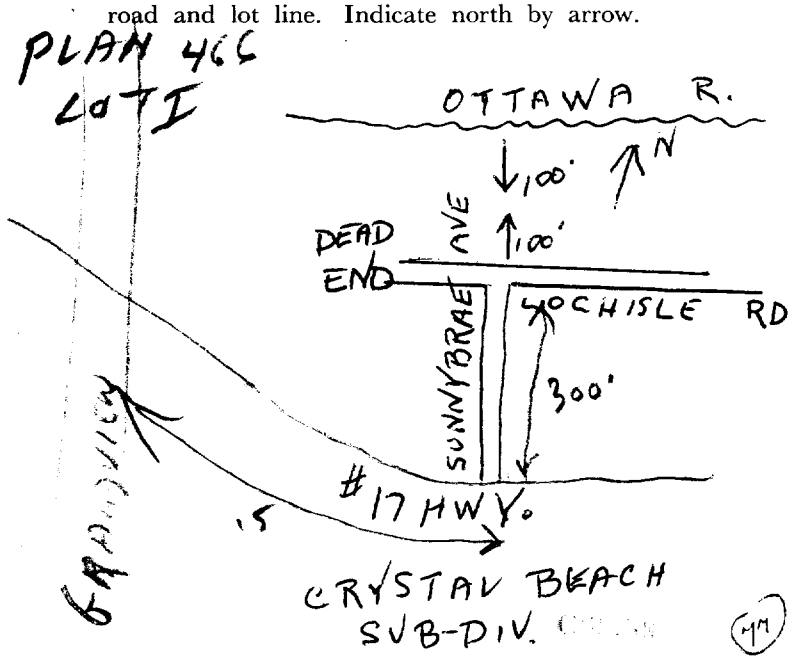
(Signature of Licensed Drilling or Boring Contractor)

Form 7 5M-61-3852

OWRC COPY

Location of Well

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



UTM 18 Z 434141135 E
18 R 5012212410 N

Elev. 18 R 012110

Basin 25

ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario

RECEIVED
JAN 26 1951
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

15 No. 3797
DEC

Water Well Record

[redacted] NEPEAN Con. I-OF. Lot 12 Pt. Lot
[redacted] Buttonwood Bay Acres 1/2 acre
[redacted] Well (not including pump) Dug

Pipe and Casing Record

Casing diameter(s) 5"
Length(s) of casing(s) 20 ft
Length of screen —
Type of screen —
Type of pump —
Capacity of pump —
Depth of pump setting —

Pumping Test

Date April 2/50
Developed Capacity 275 GPH
Duration of Test 1 hour
Pumping Rate 225 GPH
Drawdown 5 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
1 ft to 15 ft clay Blue	0 ft.	15 ft.
15 ft to	15	
15 to 110 Rock Blue Limestone		110

Location of Well

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

driveway
17 Highway
theatre
3 miles
Ottawa
15 ft

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 4/18/Z/4314435/E
5/R/5022225/N
Elev. 4/R/0210
Basin 25

Ottawa Fault
Con I
Lot 12

ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario

RECEIVED
JAN 7 1953
GEOLOGICAL BRANCH
DEPARTMENT of MINES

No. 8798

Water Well Record

County or Territorial District. Carleton ..... Township, ~~Village, Town or City~~ Gillespian (Ottawa) .....
Con. I.O.F. Lot 12 ..... Street and Number (if in Village, Town or City) Britannia .....
Owner [redacted] ..... Address Britannia Bay .....
Date Completed Dec 24-1952 (day) (month) (year) ..... Cost of Well (excluding pump) .....

Pipe and Casing Record

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

Pumping Test

Date ..... Dec 18 1952 .....
Static level ..... 6 .....
Pumping level ..... 16' .....
Pumping rate ..... 318 g.p.h. 10 minutes
Duration of test ..... 10 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	~~Full~~
50		
80		

Well Log

Overburden and Bedrock Record	From	To
Brown Clay	0 ft. –	~~100~~ ft.
Green Clay	10	40
Sand	40	45
Lime stone	45	103

Location of Well

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

17 17 Highway
45° ↓ Britian Bay

See Over

3rd of mile from Britian River

Situation: Is well on upland, in valley, or on hillside? level plain .....
Drilling Firm. Stewart Mulligan .....
Address ..... 17 Hy Britain Bay Ottawa .....
Name of Driller ..... Daniel Rinaldo ..... Address 82 Beech St Ottawa.
Date ..... Dec 24 1952 ..... Licence Number ..... 597 .....
..... Danny Rinaldo .....
Signature of Licensee

FORM 5

CSP.88

UTM | 18 | Z | 434440 | E
| 9 | R | 5012225 | N
Elev. | 9 | R | 0210
Basin | Ottawa 25 | Front
Conc - I
Lot - 12.

ONTARIO

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

[redacted]

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

Pipe and Casing Record

Casing diameter(s) 5"
Length(s) of casing(s) 46'
Type of screen —
Length of screen —
Distance from top of screen to ground level —
Is well a gravel-wall type? —

Pumping Test

Date May 11
Static level 18'
Pumping level 26'
Pumping rate 400 G.P.H.
Duration of test 30 Min
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? household
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 —

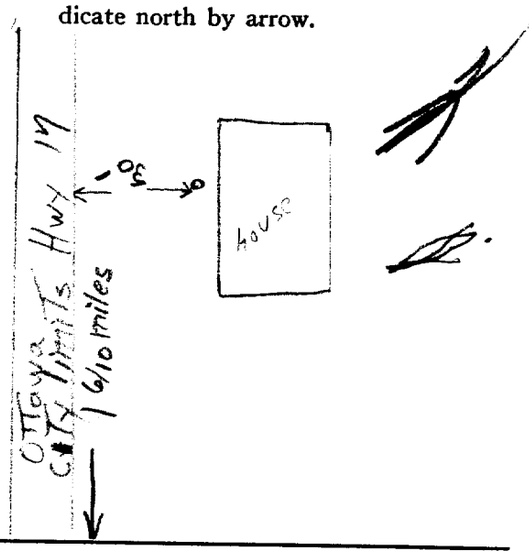
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
60'	good	30'
100'	"	82'

Well Log

Overburden and Bedrock Record	From	To
Clay	0 ft.	30 ft.
~~30~~ Hardpan	30'	43'

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. McLean & Son
Address 185 James St.
Name of Driller C. McLean Address 89 Waverley
Date June 11, 1953 Licence Number [illegible]

C. D. McLean
Signature of Licensee

FORM 5

UTM | 18 | Z | 431414215 | E
| 9 | R | 5012214110 | N
Elev. | 9 | R | 012010 |
Basin | 25 | Ottawa Front | | |
Conc-1
Lot-12

ONTARIO

The Well Drillers Act
Department of Mines, Province of Ontario

RECEIVED
OCT 22 1953
GEOLOGICAL BRANCH
DEPARTMENT of MINES

15 No 3804

Water Well Record

[redacted] ip, ~~Village, Town or City~~ Hepworth
Town or City)
ss
Date Completed 21 10 53 (day) (month) (year) Cost of Well (excluding pump)

Pipe and Casing Record

Casing diameter(s) 3"
Length(s) of casing(s) 55
Type of screen
Length of screen
Distance from top of screen to ground level
Is well a gravel-wall type? Rock

Pumping Test

Date Oct 2-/53
Static level 20
Pumping level 80
Pumping rate 300
Duration of test 2 hrs
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

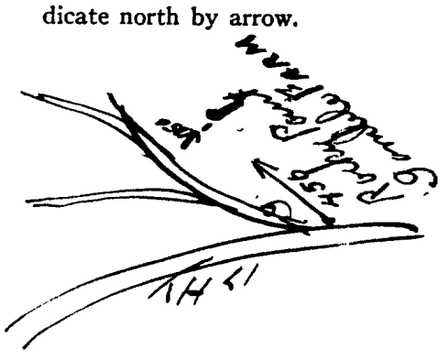
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
90	fresh	70

Well Log

Overburden and Bedrock Record	From	To
	0 ft.	....ft.
Clay & clay.	0	40
Sand	40	55
Limstone	55	92

Location of Well

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



See Over

Situation: Is well on upland, in valley, or on hillside?
Drilling Firm J. B. Dufresne
Address 1170 Catling
Name of Driller J. Bernier Address 163 Notre Dame
Date 2 Oct /53 Licence Number
J. Bernier
Signature of Licensee

FORM 5

UTM 18 | 18 | Z | 4 3 1 4 0 1 9 | 10 | E
9 | R | 5 0 1 2 1 2 | 2 1 | 8 1 0 | N
Elev. 9 | B | 0 2 0 5 | [illegible]
Basin 2 5 1

ONTARIO

The Water-well Drillers Act, 1954
Department of Mines

RECEIVED
JAN [illegible] 1955
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

15 No 8803

Water-Well Record

County or Territorial District Carleton Township, Village, Town or City Nepean
[redacted] Village, Town or City)
Address Britannia Bay R.R.

(day) (month) (year)

Pipe and Casing Record

Casing diameter(s) 5"
Length(s) 28'
Type of screen —
Length of screen —

Pumping Test

Static level 16 ft
Pumping rate 300 GPH
Pumping level 16 ft
Duration of test 1/2 hr

Well Log

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)
clay & stones	0	20			
limestone	20	62 ft	50-62	~~to ft~~ 46'	fresh

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? [illegible]

Drilling firm Ben E. Sparks
Address

Name of Driller Ben E. Sparks
Address

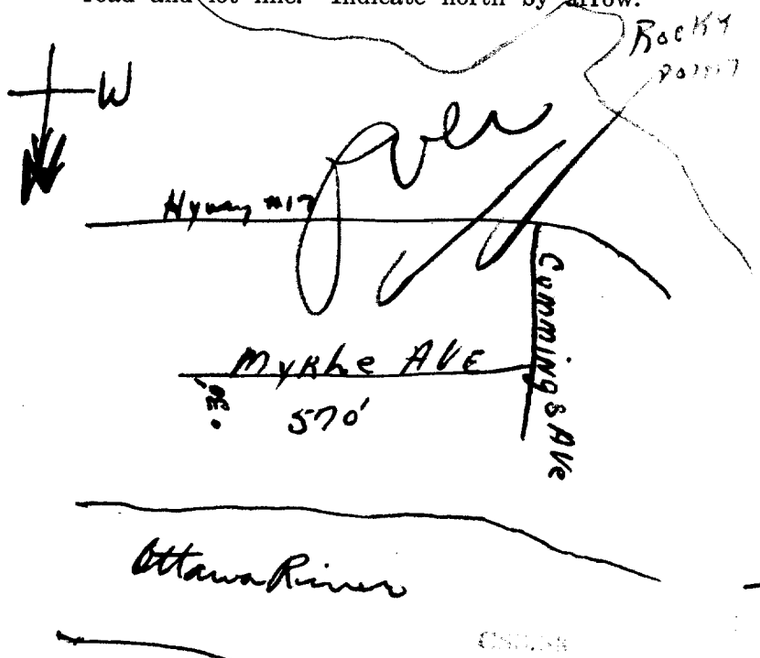
Licence Number 420

I certify that the foregoing statements of fact are true.

Date Dec 1/55 Ben E. Sparks
Signature of Licensee

Location of Well

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



Form 5

UTM | 18 Z | 4314217.10 E
| 5 R | 5012125.5 N
Elev. 14 | 4 R | 0211 10
Basin OTTAWA RIVER FRONT
Con I
Lot 12

ONTARIO

The Water-well Drillers Act, 1954
Department of Mines

15 No. 3804

RECEIVED
JUL 2 1956
GEOLOGICAL BRANCH
DEPARTMENT of MINES

Water-Well Record

County or Territorial District Carleton Township, Village, Town or City Nepean
[redacted] Village, Town or City)
Address

(day) (month) (year)

Pipe and Casing Record

Casing diameter(s) 5"
Length(s) 28 ft.
Type of screen
Length of screen

Pumping Test

Static level 18 ft.
Pumping rate 300 GPH
Pumping level 20 ft.
Duration of test 1½ hrs.

Well Log

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)
Clay	0	16			
limestone rock	16	50 ft.	40 – 50	to 18 ft.	fresh

Water Record

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
Address

Name of Driller B Sparks
Address

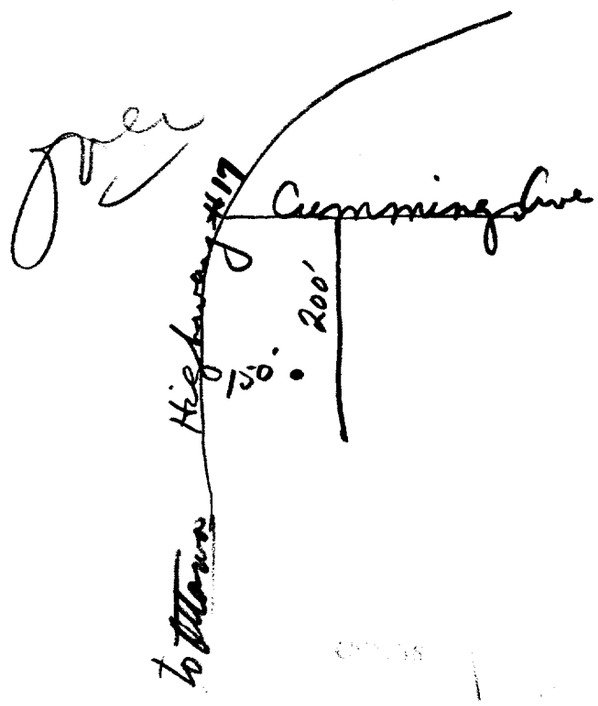
Licence Number 420

I certify that the foregoing statements of fact are true.

Date June 20 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 18 Z 434100 E

5 R 5022250 N

The Ontario Water Resources Commission Act

Elev. 4 R 0210

WATER WELL RECORD

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

Basin 25

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

Con.: 1 OF — Lot: 12 — Date completed: 5 (day) Aug (month) 1961 (year)

[redacted]ddress: 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	½ 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	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Clay loam	0	19'	58-60'	fresh
grey limestone	19'	60'		

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

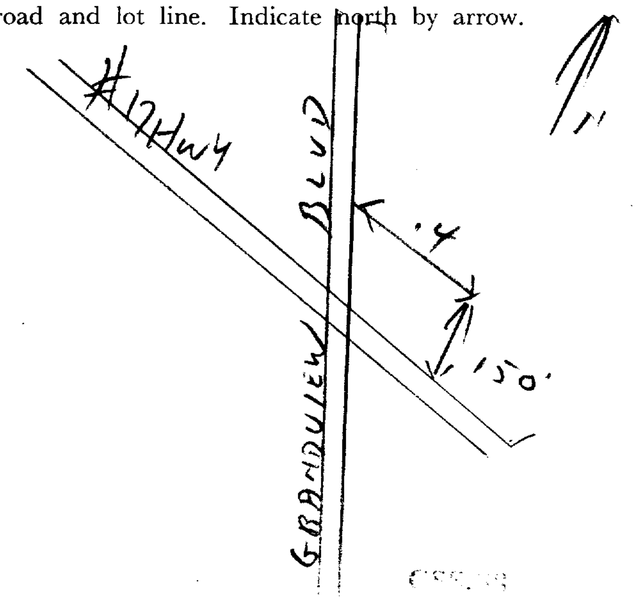
Address: same

Date: Aug 7 '61

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

Location of Well

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



Form 7 15M Sets 60-5930

OWRC COPY

?

UTM 18 Z 4 3 4 1 0 0 E

OTTAWA FRONT

5 R 5 0 2 2 2 2 0 N

The Ontario Water Resources Commission Act

WATER WELL RECORD

15 № 3806

Elev. Con 1 4 R 0 2 1 1 0

Lot 12

Basin 25

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

Con. I O.F .... Lot 4 12 .... Date completed 30 (day) July (month) 6[illegible] (year)

[redacted] ldress Crystal Bay

Casing and Screen Record

Inside diameter of casing 4

Total length of casing 20

Type of screen ....

Length of screen ....

Depth to top of screen ....

Diameter of finished hole 4

Pumping Test

Static level 15

Test-pumping rate .... 4 G.P.M.

Pumping level 18

Duration of test pumping .... 1 hr

Water clear or cloudy at end of test .... Clear

Recommended pumping rate .... 4 G.P.M.

with pump setting of .... 40 .... feet below ground surface

Well Log / Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Clay	0	12		
Limestone	12	50	50	[illegible]

For what purpose(s) is the water to be used? .... [illegible]

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

Drilling or Boring Firm .... [illegible]

Address .... [illegible]

Licence Number .... [illegible]

Name of Driller or Borer .... [illegible]

Address ....

Date .... 1[illegible]

.... [signature]

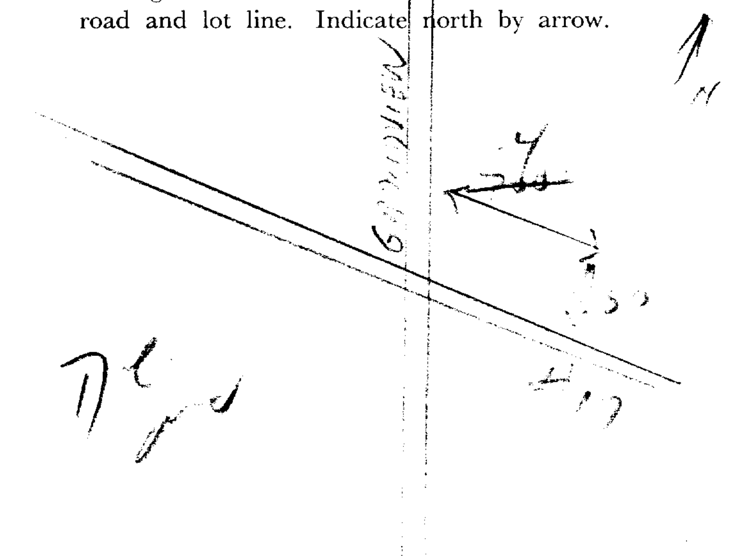
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

Location of Well

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



Store + ½ house

Form No. 2 2M-May 1946-A849

UTM 18 Z 413141471 0 E

19 R 5012213910 N

Elev. 19 R 0201 0

Basin 25

325 3145C

ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario

RECEIVED
JUN 12 1948
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

3809

Water Well Record

[redacted] Con. I-O.F. Lot 13 Pt. Lot

[redacted] Richmond Road Highway 17

[redacted] Cost of Well (exclusive of pump) $599.74

Pipe and Casing Record

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

Pumping Test

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	From	To
Till	0 ft.	50 ft.
Limestone	50	154

Location of Well

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

See diag on Dr. Permit dated 1948

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. D. McLean Address

Date June 8 1948 Licence Number

Form No. 2 2M-May 1946-A849

UTM 18 Z 431451215 E

9 R 5012141315 N

Elev. 9 R 02010

Basin 25

324 31G SC

ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario

15 No 3810

RECEIVED
JUN 12 1948
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

Water Well Record

[redacted] Con. I-O.F. Lot 13 Pt. Lot

[redacted] roh Road Highway 7 Acres

[redacted] uding pump) #556.89

Pipe and Casing Record

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

Pumping Test

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
Till	0 ft.	54 ft.
Limestone	54	163

Location of Well

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

See diagram on back. Plan dated 13/7/48

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

ONTARIO

31 G 5c

RECEIVED
JUL - 7 1955
GEOLOGICAL BRANCH
DEPARTMENT of MINES

15 No. 8319

UTM 18 Z 413141613 10 E
19 R 5012121 5010 N

Elev. 9 R 02110

Basin 25 Ottawa Fd

Con I
Lot 13

The Water-well Drillers Act, 1954
Department of Mines

Water-Well Record

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

[redacted] Village, Town or City)

[redacted] ddress

[redacted] 6

(day) (month) (year)

Pipe and Casing Record

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

Pumping Test

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

Well Log

Water Record

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

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

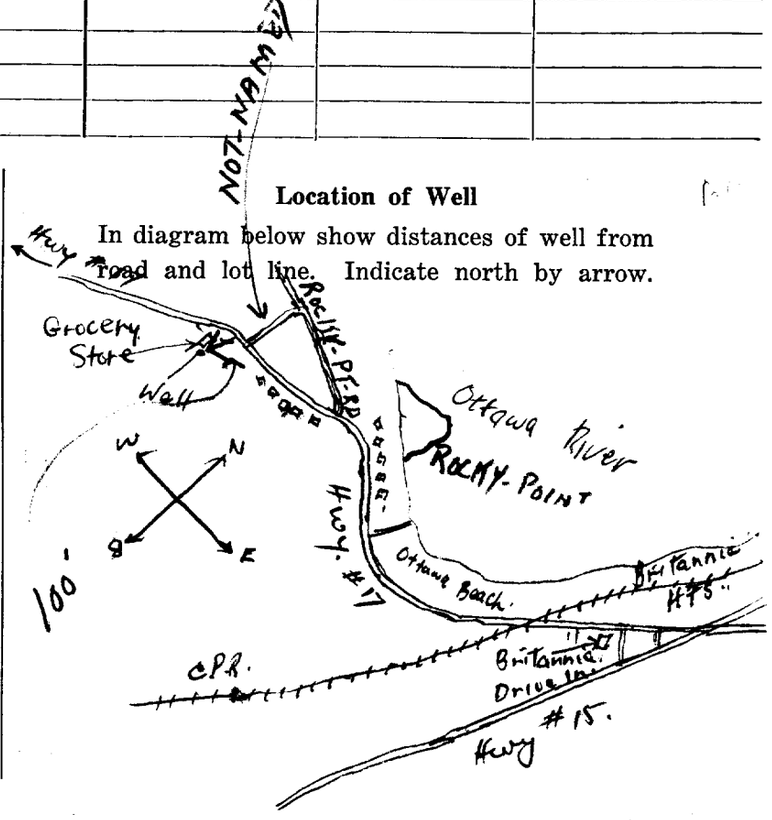
Drilling firm L. H. Mulligan
Address Britannia Bay
RR#1 Ont
Name of Driller L. V. Petry
Address Britannia Bay
RR#1 Ont
Licence Number 442

I certify that the foregoing statements of fact are true.

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

Location of Well

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



Form 5

Also see Over.

UTM 18 Z 434560 E
5022300 N
Elev. 400 210
Basin 25

The Ontario Water Resources Commission Act, 1957

WATER WELL RECORD

GROUND WATER BRANCH
MAY 1[illegible] 1960
ONTARIO WATER RESOURCES COMMISSION
No. 3824

County or District Carleton
Township, Village, Town or City Nepean
Con. I OF Lot 13
Date completed 23 Mar. 1960 (day month year)
[redacted]ress 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

Overburden and Bedrock Record	From ft.	To ft.
clay	0	46
limestone	46	96

Water Record

Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, sulphur)
96	77	fresh

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

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

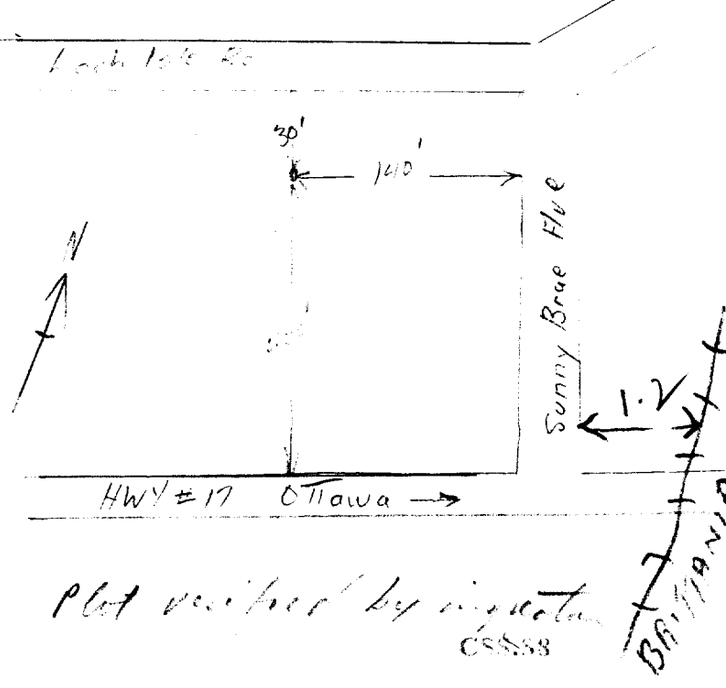
Drilling Firm McLean Water Supply Ltd.
Address 1532 Raven Ave. Ottawa 3

Licence Number 476
Name of Driller B. Foster
Address
Date April 1, 1960

(Signature of Licensed Drilling Contractor)

Location of Well

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



Plot verified by inspector

Form 5

UTM 18 Z 434155 E
(9) OTTAWA FRONT 5021950 N
(9)
Elev Con R IO 2051
(25) Lot 13
Basin

31G5c

15 № 3826

The Ontario Water Resources Commission Act

WATER WELL RECORD

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

Con. 1 OF Lot 13 Date completed 21 (day) JUNE (month) 1961 (year)

[redacted]ress 89 GENEST 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)
BLUE CLAY	0	60'		
GREY LIMESTONE	60	130'	127'	Fresh.

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

Address Hull, P.Q

Date 22 June 1961

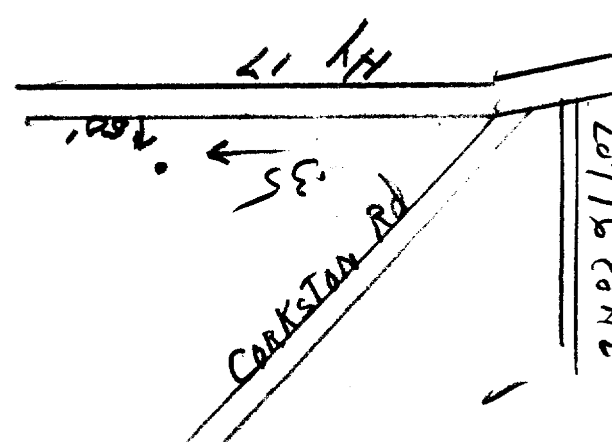
J. B. Dufresne
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M Sets 60-5930

OWRC COPY

Location of Well

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



UTM | 1 | 18 | Z | 4 | 3 | 1 | 4 | 5 | 7 | 0 | E
| 5 | R | 5 | 0 | 1 | 2 | 1 | 2 | 3 | 8 | 1 | 0 | N
Elev. | 4 | R | 0 | 1 | 2 | 0 | 1 | 5 |

The Ontario Water Resources Commission Act

WATER WELL RECORD

15 No. 3827

Basin | 2 | 5 | County or District Carl

Township, Village, Town or City Nepean

Con. I (O.F) Lot 13 Date completed 4 (day) Jan (month) 1966 (year)

Owner Rene Goulet Constr. (print in block letters) Address 1544 Scott St Ottawa

Casing and Screen Record

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"

Pumping Test

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

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
Clay	0'	25'		
sand	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

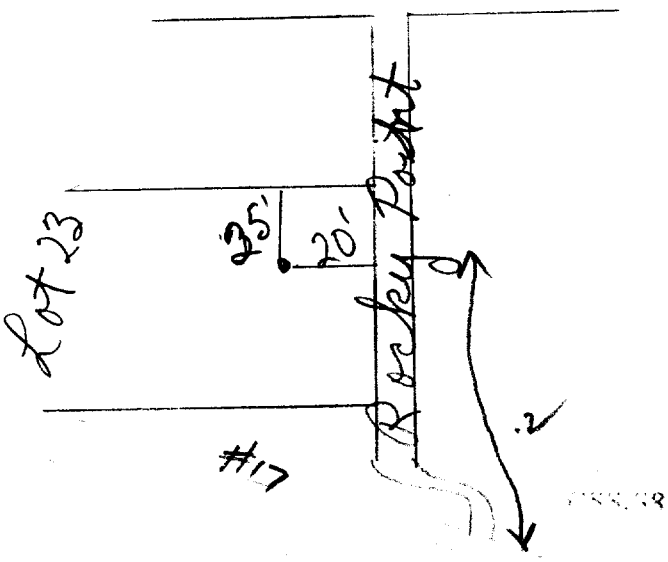
Walter Kavanagh
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

Location of Well

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



4

UTM | 18 | Z | 4 3 4 3 4 5 | E
| 9 | R | 5 0 2 2 1 9 0 | N
Elev. | 9 | R | 0 2 1 0 |
Basin | 2 5 | | |

31G5c

ONTARIO

The Well Drillers Act
Department of Mines, Province of Ontario

15 № 3829

RECEIVED
MAR 26 1951
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

Water Well Record

County or Territorial District Carleton [redacted] Township, ~~Village, Town or~~ City Nepean

[redacted] Town or City) . /

[redacted] s. 4204 Waverly Ave Detroit 4 Mich USA

Date Completed Monday March 1951 (day) (month) (year) Cost of Well (excluding pump) $350.00

Pipe and Casing Record

Casing diameter(s) 4 inch
Length(s) of casing(s) 45 ft
Type of screen —
Length of screen —
Distance from top of screen to ground level —
Is well a gravel-wall type? wall type

Pumping Test

Date Sat March 3 1951
Static level 20 ft
Pumping level 25 ft
Pumping rate 250 gal. per hr.
Duration of test 1 hr.
Distance from cylinder or bowls to ground level —

Water Record

Kind (fresh or mineral) fresh
Quality (hard, soft, contains iron, sulphur, etc.) hard
Appearance (clear, cloudy, coloured) clear
For what purpose(s) is the water to be used? domestic

How far is well from possible source of contamination? 75 feet
What is the source of contamination? septic tank
Enclose a copy of any mineral analysis that has been made of water —

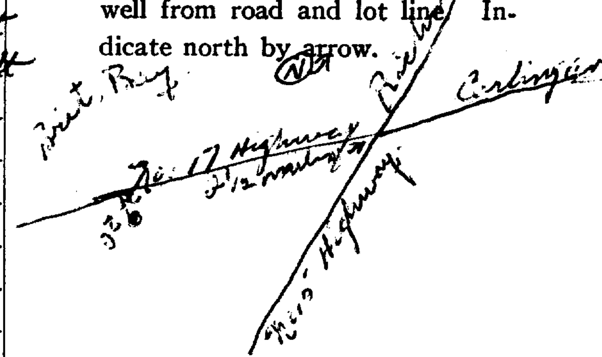
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
80 ft	fresh	60 ft
100 ft	fresh	80 ft
130 ft	fresh	110 ft

Well Log

Overburden and Bedrock Record	From	To
clay	0 ft.	50 ft.
hardpan	50 ft	54 ft
limestone	54 ft	140 ft

Location of Well

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



Situation: Is well on upland, in valley, or on hillside? hillside
Drilling Firm Stewart & Mulligan
Address Britannia Bay
Name of Driller Bernard Kelly Address 117 Nepean St
Date Mon. March 5th 1951 Licence Number

Bernard Kelly
Signature of Licensee

Form 5

UTM 18 Z 434480 E
0.9F R. 5022400 N
Elev. Co 9 R 0200 I
Basin 9 2 5 Lot 13

The Ontario Water Resources Commission Act

WATER WELL RECORD

3165c

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

County or District CARLETON Township, Village, Town or City NEPEAN

Con. I O.F. Lot 13 Date completed 5 (day) NOV month 65 year)

[redacted]ess OTTAWA

Casing and Screen Record

Inside diameter of casing 3

Total length of casing 53

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole 3

Pumping Test

Static level 13

Test-pumping rate 10 G.P.M.

Pumping level 25

Duration of test pumping 2 HRS

Water clear or cloudy at end of test CLEAR

Recommended pumping rate 5 G.P.M.

with pump setting of 100 feet below ground surface

Well Log / Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
TOP SOIL	0	3		
SAND GRAVEL - BOULDERS	3	51		
LIMESTONE	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. COSSETTE

Address OTTAWA

Licence Number 1632

Name of Driller or Borer SAME

Address

Date NOV 9

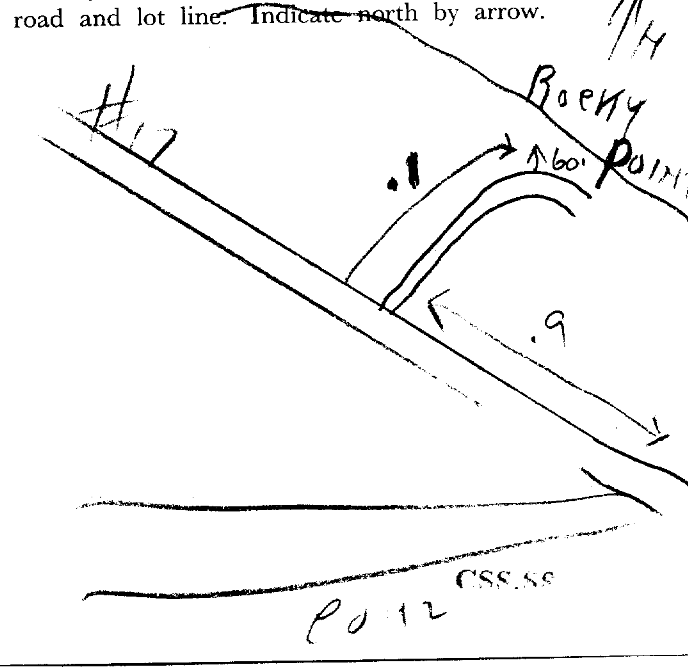
J. R. Cossette
(Signature of Licensed Drilling or Boring Contractor)

Form 7 10M-62-1152

OWRC COPY

Location of Well

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



.M 18 Z 4 3 4 1 7 0 CODED
OF Con I Lot 12
4 R 5 0 2 2 2 4 0

15 10227
3 9

P

The Ontario Water Resources Commission Act

WATER WELL RECORD

Elev. 5 R 0 2 1 0

Basin 2 5 T

County or District CARLETON Township, Village, Town or City NEPEAN

Con. 1. O.F. Lot 12 Date completed 5 JULY 1969 (day month year)

[redacted] ddress 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)
CLAY	0	20'		
LIMESTONE	20'	68'	68'	FRESH

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. DEEVY.
2898 HAUGHTON ST

Address OTTAWA 14
ONT

Licence Number 3414

Name of Driller or Borer W.H. DEEVY.

Address 2898 HAUGHTON ST

Date JULY 5 1969

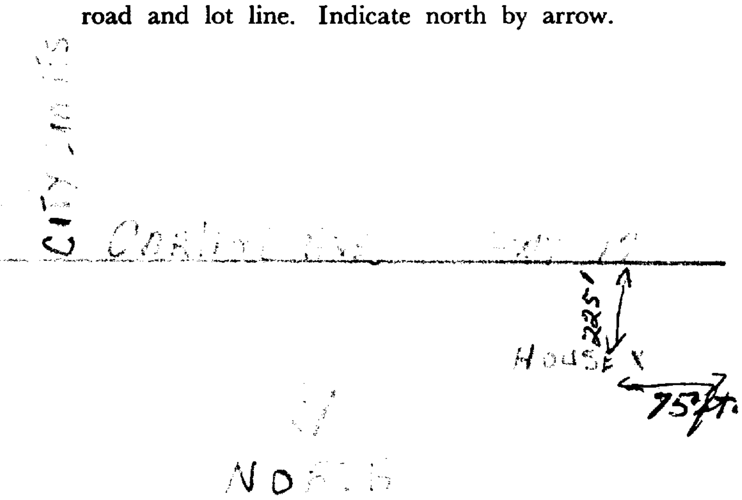
W A Deevy
(Signature of Licensed Drilling or Boring Contractor)

Form 7 5M 60-20912

OWRC COPY

Location of Well

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



Ontario — Ministry of the Environment

Well Tag No. *(Place Sticker and/or Print Below)*
Tag#: A123748

Well Record
Regulation 903 Ontario Water Resources Act

[redacted]

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
233 Elterwater Ave			

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	434586	5024407		

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	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	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	.31	flushmount	
.31	2.74	Bensal	
2.74	6.1	Sand	

Method of Construction

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

Well Use

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

Construction Record - Casing

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

Construction Record - Screen

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

Status of Well

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

Water Details

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

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	6.1	8.25

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

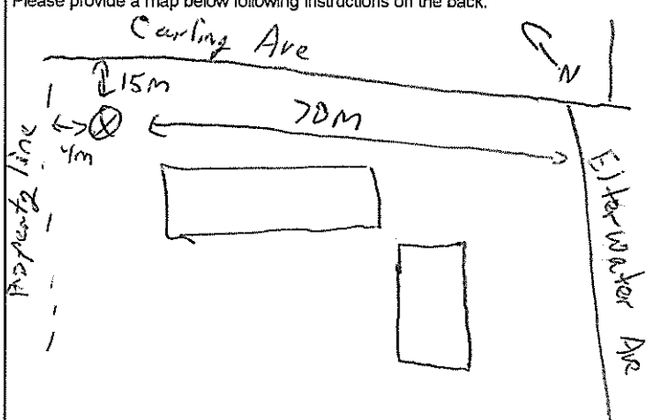
Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

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

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Soil Sampling	7214

Business Address (Street Number/Name)	Municipality
147-2 W. Beaver creek	Richmond Hill

Province	Postal Code	Business E-mail Address
ON	L4B1L6	wrecords@stratasoil.com

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

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3616		2011/12/20

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: YYYY MM DD

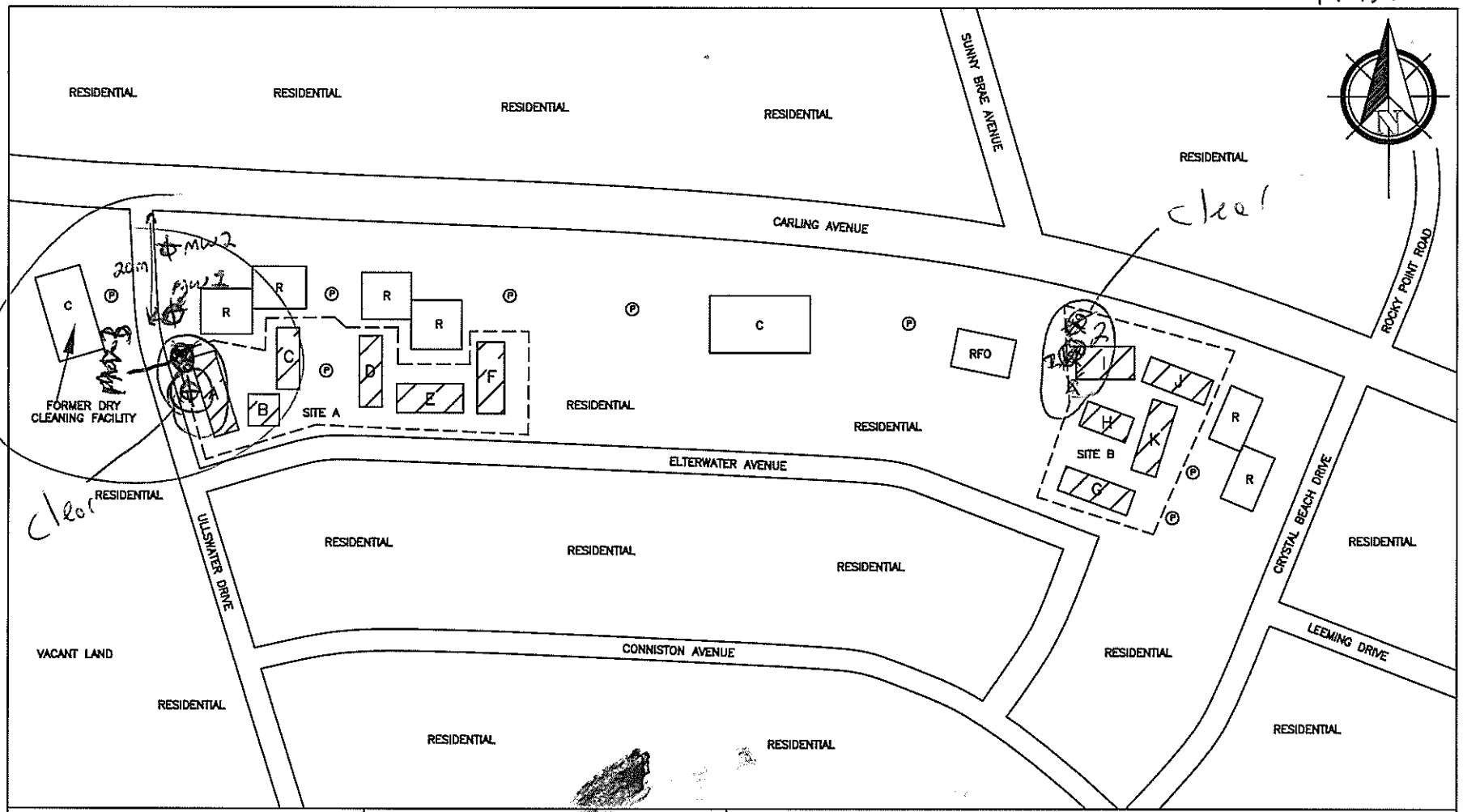
Date Work Completed: 2011/11/22

Ministry Use Only

Audit No. Z134432

Received FEB 17 2012

Pg 3 of 5
9442



PINCHIN ENVIRONMENTAL

LEGEND

- SITE PERIMETER
- SITE BUILDING
- (P) PARKING
- R RESIDENTIAL
- C COMMERCIAL
- RFO 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
DRAWING NO.	FIG. 2
SCALE	NTS
PROJECT NO.	71411
DATE	NOVEMBER 2011

FEB 17 2012

2148342 2134431 2134430 2134437 2134438 2134439

Ontario — Ministry of the Environment

Well Tag No. *(Place Sticker and/or Print Below)* A173748

Well Record

Regulation 903 Ontario Water Resources Act

[redacted]

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
233 Elterwater Ave			

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	434565	5023914		

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	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	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	.31	Concrete/Flushmount	
.31	2.74	Bensea1	
2.74	6.1	Sand	

Method of Construction

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

Well Use

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

Construction Record - Casing

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

Construction Record - Screen

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

Status of Well

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

Water Details

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

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0	6.1	8.25

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

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

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

Recommended pump depth *(m/ft)*

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

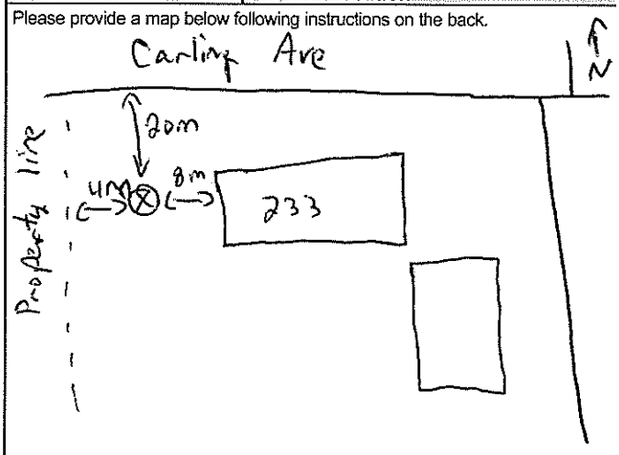
Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

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

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata soil sampling	7141

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

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

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

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3161		2012/12/20

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2012/12/20

Ministry Use Only

Audit No. Z138897

FEB 17 2012

Received

Ontario — Ministry of the Environment

Well Tag No. (Place Sticker and/or Print Below)
Tag#: A123725 A123725

Well Record
Regulation 903 Ontario Water Resources Act

[redacted]

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
123 Wills Water Dr.			

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	434213	5022279		

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	Top Soil		Soft, dry	0	.91
Brn	Sand	clay	soft, dry	.91	3.66
Gy	Sand	Clay	soft, wet	3.66	5.79

Annular Space

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

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
4.03	PVC	.368	0	2.74

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
4.82	PVC	10	2.74	5.79

Status of Well

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

Water Details

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

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	5.79	8.25

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Soil Sampling	7141

Business Address (Street Number/Name)	Municipality
147-2 W. Beaver creek	Richmond Hill

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

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

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3616		2011/12/20

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

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

Map of Well Location

Please provide a map below following instructions on the back.

See map

MW1

Comments:

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2011/12/20

Ministry Use Only

Audit No. Z 134431

FEB 17 2012

Received

Ontario — Ministry of the Environment

Well Tag No. (Place Sticker and/or Print Below)
Tag#: A123745 A123745

Well Record
Regulation 903 Ontario Water Resources Act

[redacted]

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
5 Hillsview Dr			

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	434197	5022348		

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	Silt	Clay	hard, Dry	0	2.44
BRN	Clay	Silt	hard, moist	2.44	3.96
GRY	Clay	Sand	Soft, wet	3.96	5.79

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 / Flushmount	
.31	3.96	Bensea'	
3.96	5.79	Sand	

Method of Construction

- [ ] Cable Tool
- [ ] Diamond
- [ ] Rotary (Conventional)
- [ ] Jetting
- [ ] Rotary (Reverse)
- [ ] Driving
- [ ] Boring
- [ ] Digging
- [ ] Air percussion
- [x] Other, specify: Direct Push

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
4.03	PVC	.368	0	3.74

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
4.82	PVC	10	3.1	5.79

Status of Well

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

Water Details

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

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0	5.79	8.25

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected?
- [ ] Yes
- [ ] No

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

Map of Well Location

Please provide a map below following instructions on the back.

See Map

MW 2

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Soil Sampling	7141

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

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

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

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3161		2012/02/20

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[ ] Yes [ ] No	YYYY MM DD	2011/12/20

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Audit No. Z134430

Received FEB 17 2012

Ontario Ministry of the Environment

Well Tag No. *(Place Sticker and/or Print Below)* A177711

Well Record

Regulation 903 Ontario Water Resources Act

[redacted]

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
5 Ullswater Dr			

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	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	Depth (m/ft) To
Blk	Top Soil			0	.91
Brn	Sand	Clay		.91	2.44
Gry	Sand	Clay		2.44	4.57

Annular Space

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

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
4.03	Plastic	.368	0	1.5

Construction Record - Screen

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

Status of Well

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

Water Details

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

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0	4.57	8.25

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

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

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

Recommended pump depth *(m/ft)*

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

Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

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

Map of Well Location

Please provide a map below following instructions on the back.

See Map
MW3

Comments:

Well Contractor and Well Technician Information

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

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

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

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
9057649304	Muir, Mike

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3144		2012/02/20

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☐ No		2012/02/20

Ministry Use Only

Audit No. Z145342

FEB 17 2012 Received

Ontario — Ministry of the Environment

5-13 t03

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag No. (Place Sticker and/or Print Below) A141802

Tag#: A141802

Page _____ of _____

[redacted]

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

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	434587	5022404		

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	topsoil		soft	0	.31
BRN	clay	sand	soft	.31	1.88
GRY	clay	silt	soft	1.88	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	concrete/Rhushmount	
.31	2.13	bentonite	
2.13	5.49	filter sand	

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
10.16	PVC		0	2.44

Construction Record - Screen

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

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	Hole Diameter Depth From (m/ft)	Hole Diameter Depth To (m/ft)	Diameter (cm/in)
☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify*	0	5.49	30.48
☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify*			
☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify*			

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping _____ hrs + _____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

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

Map of Well Location

Please provide a map below following instructions on the back.

MW-3
See Map

Comments:

Well Contractor and Well Technician Information

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

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

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

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

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

Well owner's information package delivered ☐ Yes ☒ No

Date Package Delivered

Date Work Completed 20130226

Ministry Use Only

Audit No. Z164316

Received MAR 2 0 2013

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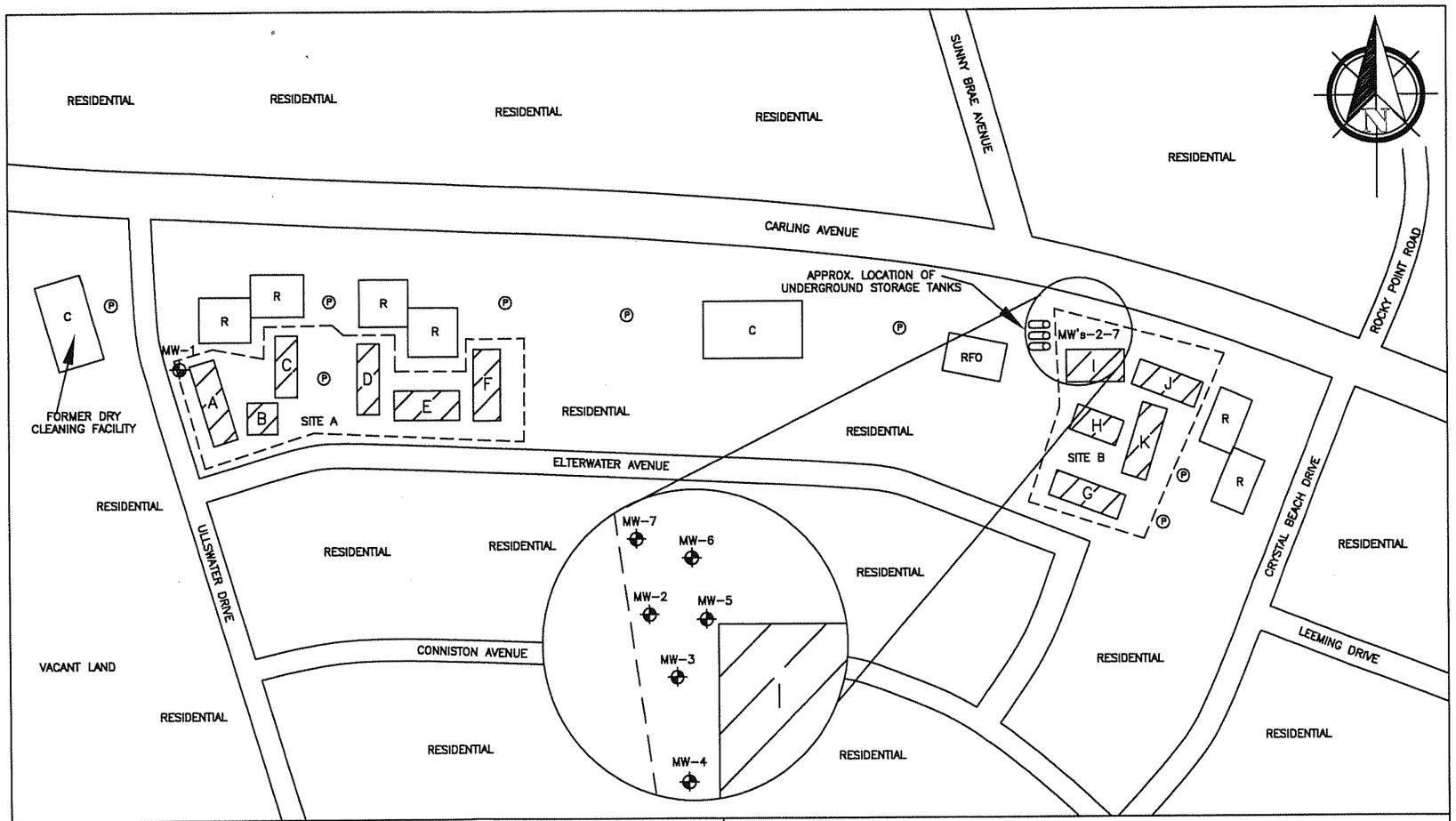
Ministry's Copy

S-13703



MAR 20 2013

C-7241 21613.6

PINCHIN ENVIRONMENTAL

LEGEND

- SITE PERIMETER
- SITE BUILDINGS
- (P) PARKING
- R RESIDENTIAL
- C COMMERCIAL
- RFO RETAIL FUEL OUTLET
- MW-1 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		DRAWING NO. FIG. 2
SCALE NTS	PROJECT NO. 71411.008	DATE OCTOBER 2012	

S-13 705

Ontario — Ministry of the Environment

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag No. *(Place Sticker and/or Print Below)* A141801

Tag#: A141801

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
4 Crystal Beach Dr.			
County/District/Municipality	**City/Town/Village**	**Province**	**Postal Code**
	Ottawa	Ontario	
UTM Coordinates NAD 8 3 — Zone 18 — Easting 434589 — Northing 5024107	**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	.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	flushmount/concrete	
.31	2.13	bentonite	
2.13	5.49	filter sand	

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
10.16	PVC	1	0	2.44

Construction Record - Screen

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

Status of Well

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

Water Details

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

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	5.49	30.48

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping _____ hrs + _____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

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

Map of Well Location

Please provide a map below following instructions on the back.

MW-5

See Map

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Soil Sampling Inc.	7241
Business Address (Street Number/Name)	**Municipality**
147-2 West Beaver Creek Road	Richmond Hill
Province	**Postal Code**	**Business E-mail Address**
Ontario	L4B 1C6	wrecords@stratasoil.com
Bus. Telephone No. (inc. area code)	**Name of Well Technician (Last Name, First Name)**
905-764-9304	McCoy JAMES
Well Technician's Licence No.	**Signature of Technician and/or Contractor**	**Date Submitted**
3656		2013/03/15

Well owner's information package delivered ☐ Yes ☒ No

Date Package Delivered

Date Work Completed 2013/02/26

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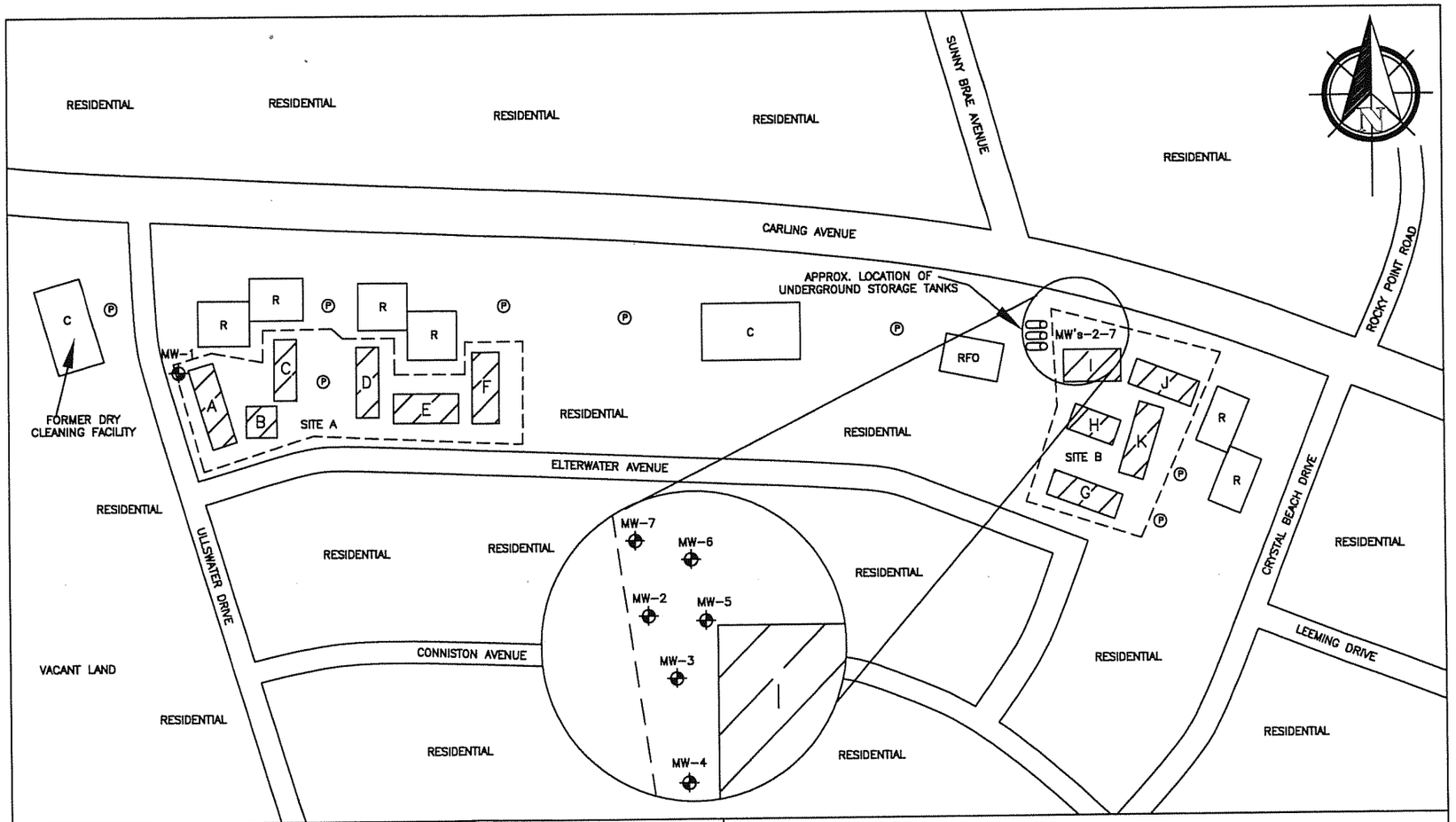

PINCHIN ENVIRONMENTAL

LEGEND

- SITE PERIMETER
- SITE BUILDINGS
- (P) PARKING
- R RESIDENTIAL
- C COMMERCIAL
- RFO RETAIL FUEL OUTLET
- MW-1 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
DRAWING NO.	FIG. 2
SCALE	NTS
PROJECT NO.	71411.008
DATE	OCTOBER 2012

MAR 2 0 2013

C-7241 2 16446 8.

Ontario — Ministry of the Environment

Measurements recorded in: [X] Metric [ ] Imperial

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

Tag#: A141806 A141806

S-13709

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

[redacted]

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

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	434585	5022410		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Brown	topsoil	clay	Soft.	0	2.13
Grey	Clay	silt	Soft.	2.13	6.1

Annular Space

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

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
4.03	plastic	.368	0	3.1

Construction Record - Screen

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

Status of Well

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

Water Details

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

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	6.1	8.25

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping _____ hrs + _____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected? [ ] Yes [ ] No

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

Map of Well Location

Please provide a map below following instructions on the back.

Labelled MW-6 on Map

Comments:

Well Contractor and Well Technician Information

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

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

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

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

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3722	[signature]	2015/03/20

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

Date Package Delivered

Date Work Completed 2015/03/27

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Audit No. Z164463

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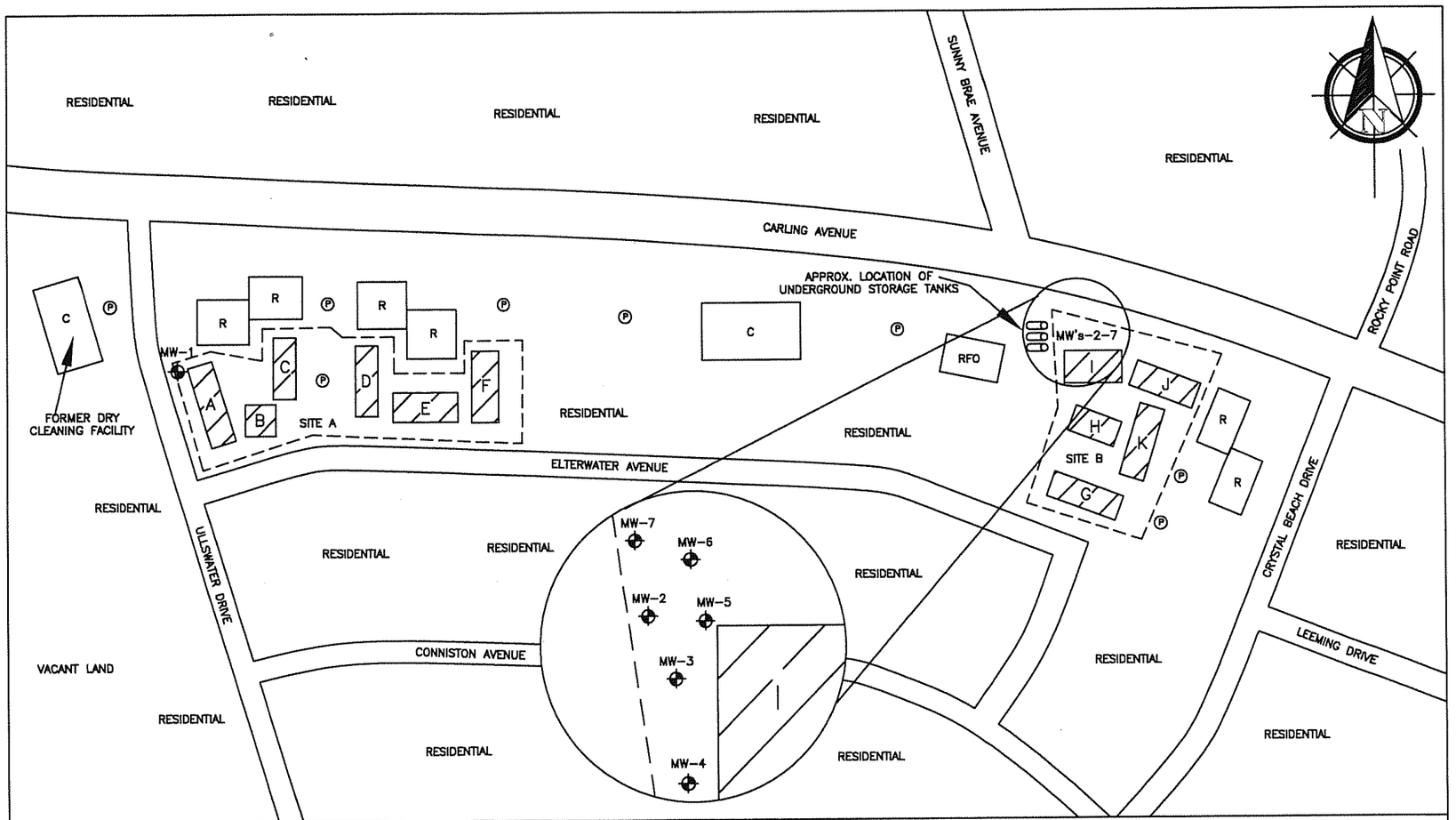

PINCHIN ENVIRONMENTAL

LEGEND

- SITE PERIMETER
- SITE BUILDINGS
- (P) PARKING
- R RESIDENTIAL
- C COMMERCIAL
- RFO RETAIL FUEL OUTLET
- MW-1 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		DRAWING NO. FIG. 2
SCALE NTS	PROJECT NO. 71411.008	DATE OCTOBER 2012	

MAR 20 2013

C7241 2164468

Ontario — Ministry of the Environment

Measurements recorded in: [X] Metric [ ] Imperial

Well Tag No. (Place Sticker and/or Print Below)
Tag#: A141805 A141805

5-13703

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
4 Crystal Beach Ca.			
County/District/Municipality	**City/Town/Village**	**Province**	**Postal Code**
		Ontario	
UTM Coordinates NAD 8 3	**Zone** 1 8	**Easting** 4 3 4 5 8 3	**Northing** 5 0 2 2 4 0 4
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
Brwn	Topsoil	clay	sand	0	2.13

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	.31	Flushmount/cement	
.31	2.13	Bags	
2.13	5.49	Soil	

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
4.03	plastic	.368	0	2.44

Construction Record - Screen

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

Status of Well

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

Water Details

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

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	5.49	8.25

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping _____ hrs + _____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected? [ ] Yes [ ] No

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

Map of Well Location

Please provide a map below following instructions on the back.

Wells Map-2 on Map

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Soil Sampling Inc.	7241
Business Address (Street Number/Name)	**Municipality**
147-2 West Beaver Creek Road	Richmond Hill
Province	**Postal Code**
Ontario	L4B 1C6
Business E-mail Address	
wrecords@stratasoil.com	
Bus. Telephone No. (inc. area code)	**Name of Well Technician (Last Name, First Name)**
905-764-9304	Passas, Robert
Well Technician's Licence No.	**Signature of Technician and/or Contractor**
3722	[signature]
Date Submitted	
2013/03/15	

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

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2013/02/27

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Audit No. Z 164424

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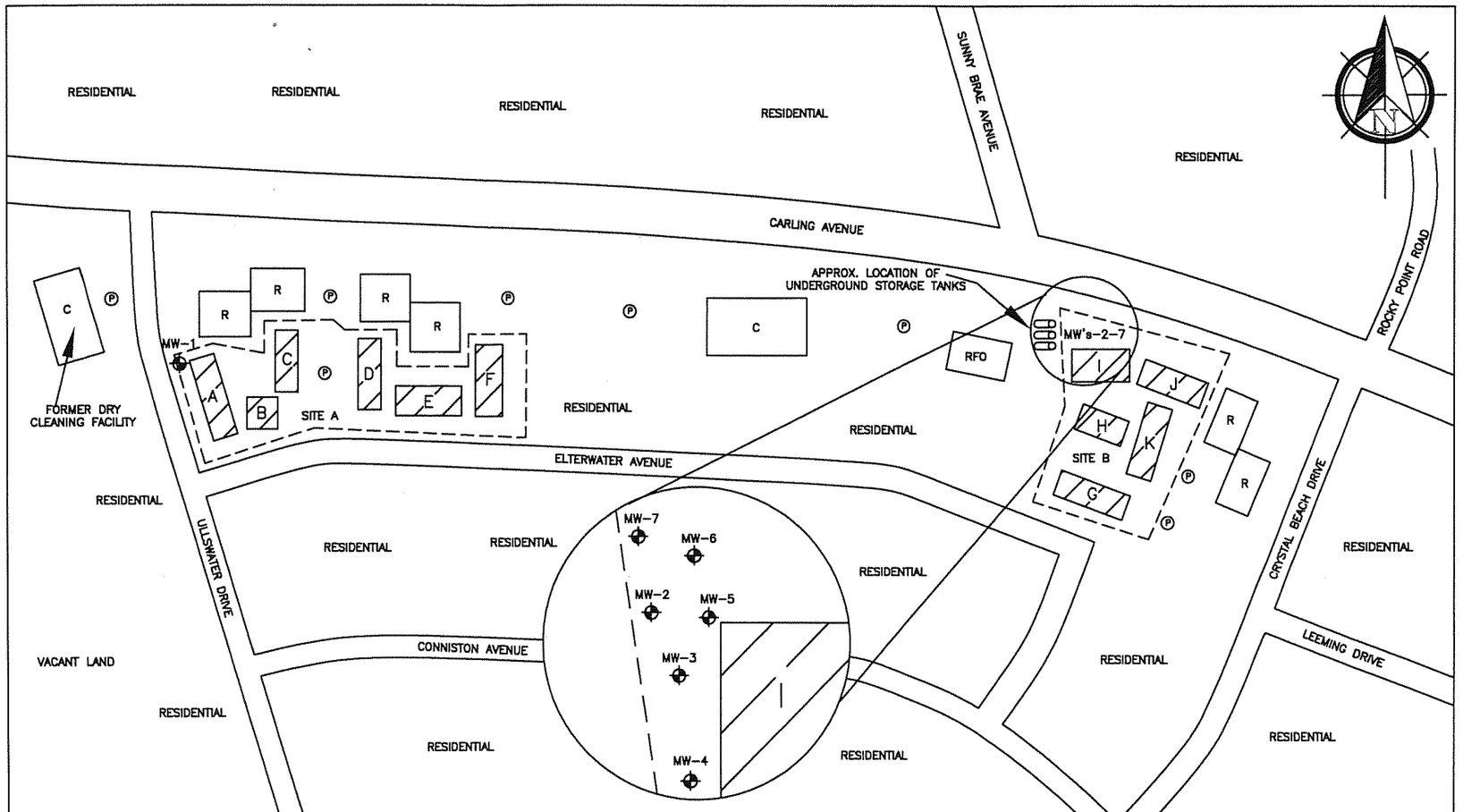

PINCHIN ENVIRONMENTAL

LEGEND

- SITE PERIMETER
- SITE BUILDINGS
- (P) PARKING
- R RESIDENTIAL
- C COMMERCIAL
- RFO RETAIL FUEL OUTLET
- MW-1 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			DRAWING NO. FIG. 2
SCALE: NTS	PROJECT NO.: 71411.008	DATE: OCTOBER 2012	

MAR 20 2013

C-22411 216402-1

Ontario Ministry of the Environment

Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag No. (Place Sticker and/or Print Below) A141803

5-13703

Well Record

Tag#: A141803

Regulation 903 Ontario Water Resources Act

Page ____ of ____

[redacted]

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

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	434583	5022406		

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	.31
BRN	clay	sand	soft	.31	2.13
GRY	clay	silt	soft	2.13	5.49

Annular Space

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

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
10.16	PVC		0	2.44

Construction Record - Screen

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

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	Hole Diameter Depth From	Depth To	Diameter (cm/in)
☐ Gas	☐ Fresh ☐ Untested ☐ Other, specify	0	5.49	30.48
☐ Gas	☐ Fresh ☐ Untested ☐ Other, specify			
☐ Gas	☐ Fresh ☐ Untested ☐ Other, specify			

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

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

Map of Well Location

Please provide a map below following instructions on the back.

MW-7

See Map

Comments:

Well Contractor and Well Technician Information

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

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

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

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

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

Well owner's information package delivered ☐ Yes ☒ No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2013 02 29

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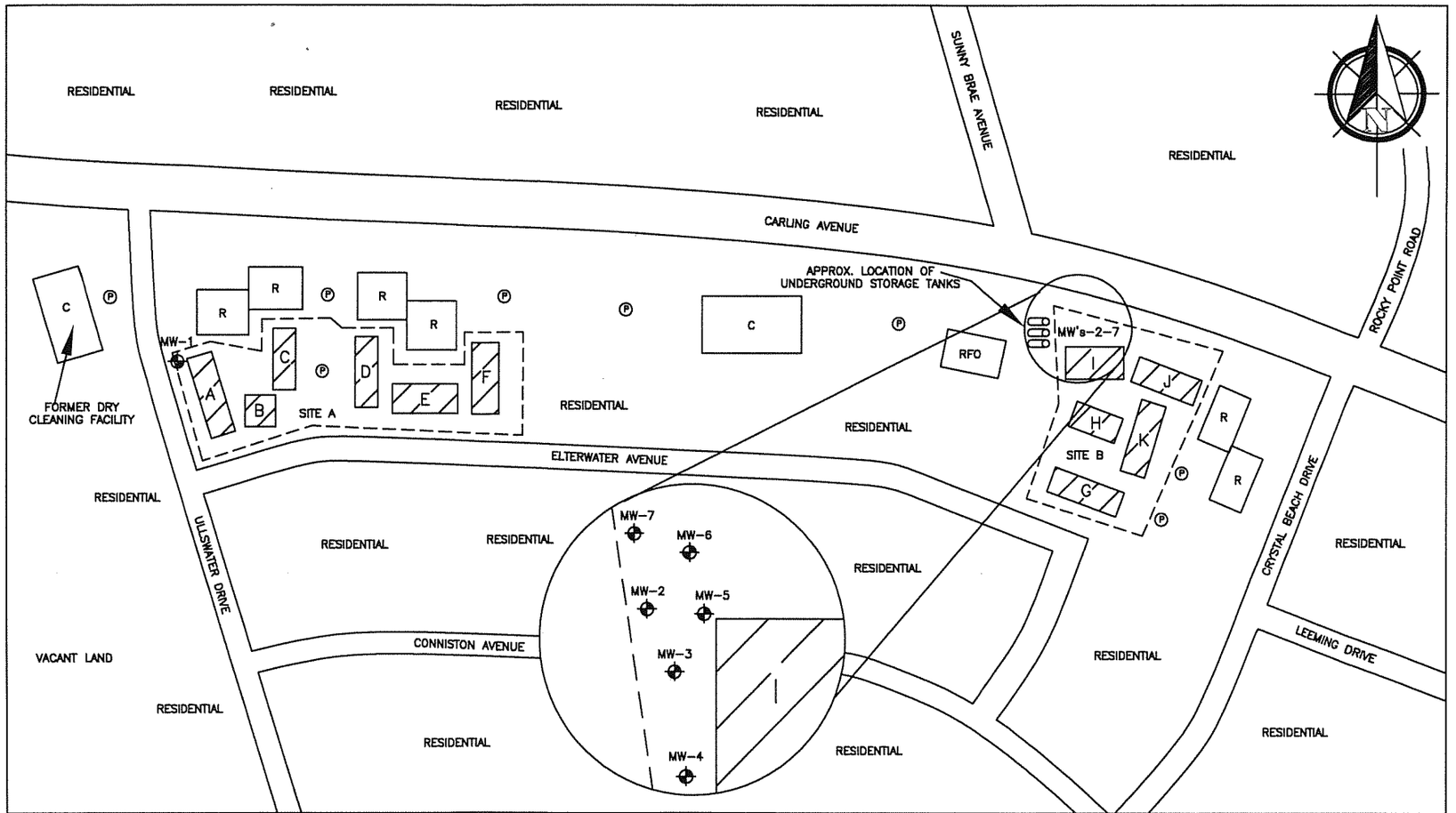

MAP 20 2013

C-7241 216457

PINCHIN ENVIRONMENTAL

LEGEND

- SITE PERIMETER
- SITE BUILDINGS
- (P) PARKING
- R RESIDENTIAL
- C COMMERCIAL
- RFO RETAIL FUEL OUTLET
- MW-1 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
DRAWING NO.	FIG. 2
SCALE	NTS
PROJECT NO.	71411.008
DATE	OCTOBER 2012

Ontario — Ministry of the Environment

Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag #: A146633 (or Print Below)

A146633

Well Record

Regulation 903 Ontario Water Resources Act

5/4/38 Page ____ of ____

[redacted]

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

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 8 3	18	434580	5022403		

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	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) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	.31	Concrete/flushmount	
.31	1.22	bentonite	
1.22	4.57	Sand	

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
4.03	Plastic	.368	0	1.5

Construction Record - Screen

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

Status of Well

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

Water Details

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

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0	4.57	0.25

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

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

Map of Well Location

Please provide a map below following instructions on the back.

See Map

MW5

Comments:

Well Contractor and Well Technician Information

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

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

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

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

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3616		2013 05 31

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☐ No		2013 05 27

Ministry Use Only

Audit No. Z 168615

Received JUN 05 2013

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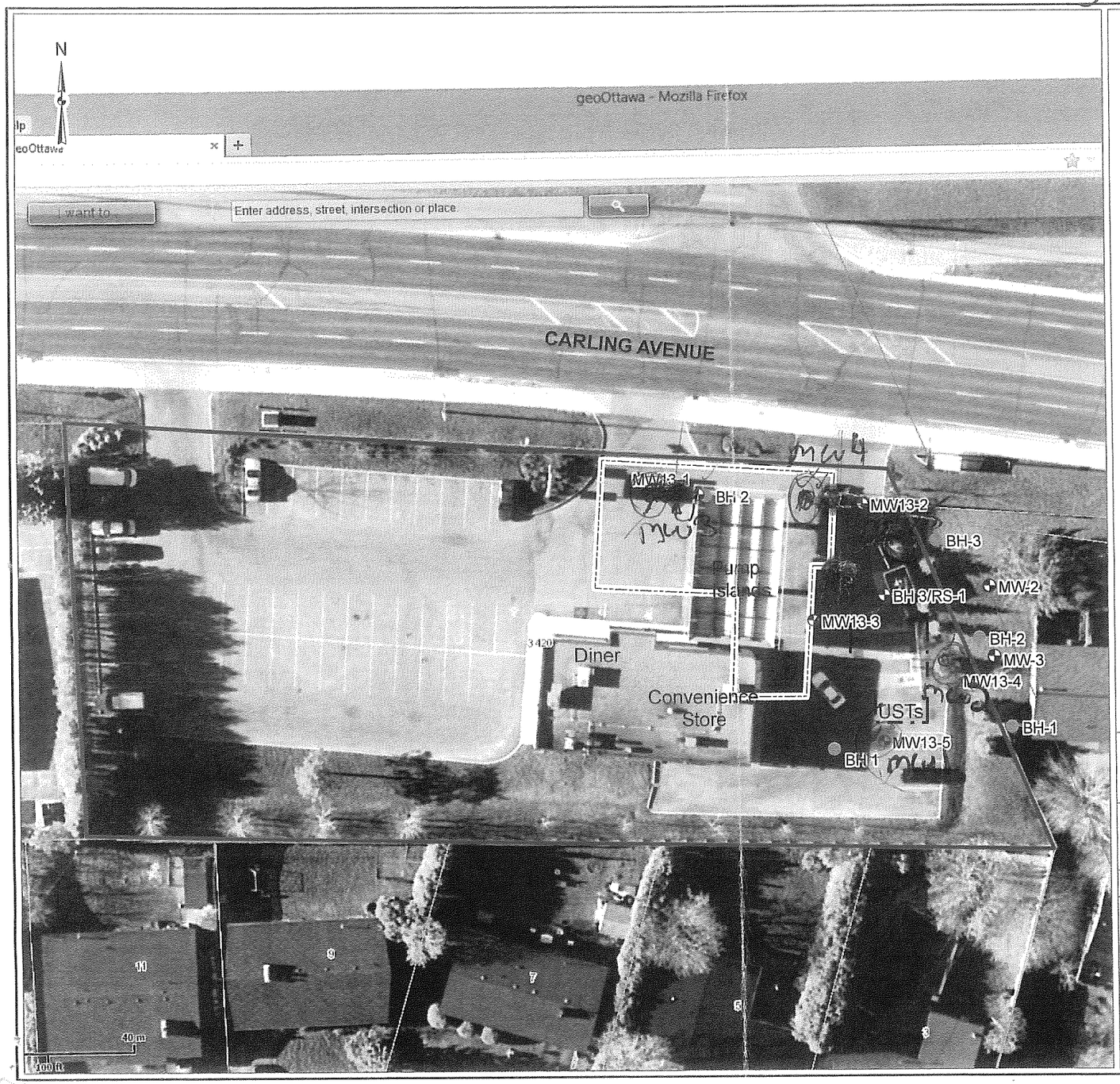

LEGEND

- 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-7211
216815

Figure 1- Site Layout

Scale 1:608

0 2.5 5 10 15 20
Meters

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

PROJECT No. 12-226-1

PROJECT
Proposal for Phase II ESA
3410 Carling Avenue, Ottawa

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

DATE: 06/05/2013

Geofirma Engineering Ltd

G:\Data\Project\CarlingAve\Maps\12-226_3410CarlingAve\12-226_Layout.mxd

Tag#: A146648

Ontario — Ministry of the Environment

Measurements recorded in: [✓] Metric [ ] Imperial

Well Tag No. (Place Sticker or Print Below): A146648

Well Record

Regulation 903 Ontario Water Resources Act

5-M138 Page ____ of ____

[redacted]

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

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	434577	5022394		

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	Top Soil	Sand	Soft loose	0	.31
GRY	Silt	Clay	Soft Moist	.31	1.5
GRY	Silt	Clay	Soft Moist	1.5	4.57

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	.31	Concrete/Flushmount	
.31	1.22	Bentonite	
1.22	4.57	Sand	

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
4.83	Plastic	.368	0	1.5

Construction Record - Screen

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

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	Hole Diameter Depth From	Depth To	Diameter (cm/in)
[ ] Gas	[ ] Fresh [ ] Untested [ ] Other, specify	0	4.57	9.25
[ ] Gas	[ ] Fresh [ ] Untested [ ] Other, specify			
[ ] Gas	[ ] Fresh [ ] Untested [ ] Other, specify			

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected? [ ] Yes [ ] No

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

Map of Well Location

Please provide a map below following instructions on the back.

See Map
MW2

Comments:

Well Contractor and Well Technician Information

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

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

Province	Postal Code	Business E-mail Address
ON	L4B 1G6	wsrecords@stratagroup.ca

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

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3611		2013 05 31

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

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2013 05 28

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Audit No. Z 168614

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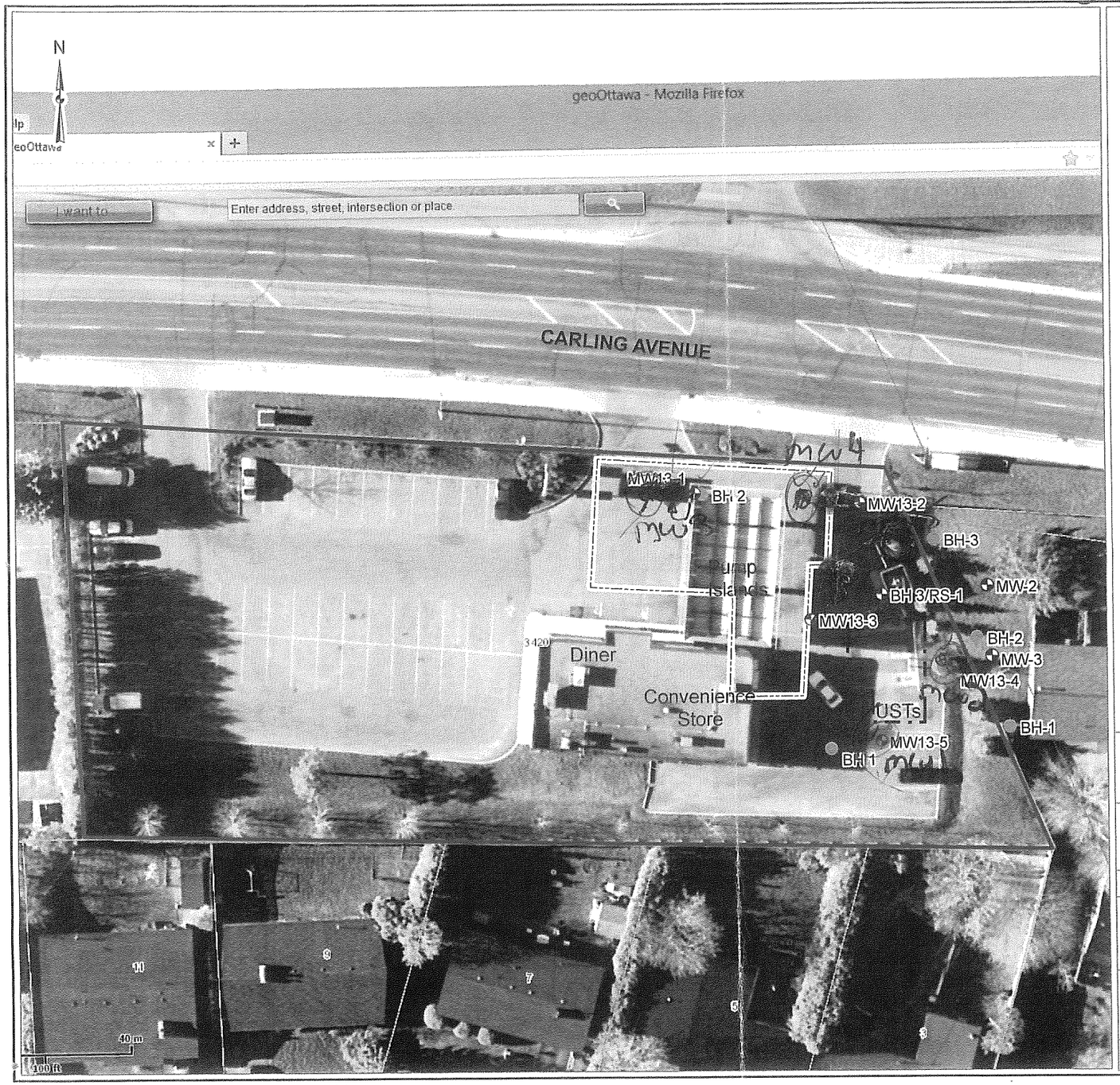

LEGEND

- 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-7241
216814

Figure 1- Site Layout

Scale 1:608

0 2.5 5 10 15 20
Meters

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

PROJECT No. 12-226-1

PROJECT
Proposal for Phase II ESA
3410 Carling Avenue, Ottawa

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

DATE: 06/05/2013

Geofirma Engineering Ltd

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Ontario — Ministry of the Environment

Measurements recorded in: ☑ Metric ☐ Imperial

W — Tag#: A146647 (Print Below)

A 146647

Well Record

Regulation 903 Ontario Water Resources Act

5141380 Page ____ of ____

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
3420 Carling Ave			

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	434592	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	Depth (m/ft) To
BLK	Gravel	Asphalt	hard, compact	0	.31
GRY	Silt	Clay	Soft, moist	.31	1.5
GRY	Silt	Clay	soft, Wet	1.5	4.57

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	.31	Concrete / flushmount	
.31	1.22	bentonite	
1.22	4.57	Sand	

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
4.03	Plastic	.368	0	1.5

Construction Record - Screen

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

Status of Well

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

Water Details

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

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
[redacted]	[redacted]	
0	4.57	8.25

Well Contractor and Well Technician Information

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

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

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

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

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3616		2013/05/31

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

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

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

Recommended pump depth *(m/ft)*

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

Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

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

Map of Well Location

Please provide a map below following instructions on the back.

MW 1 on Map

Comments: —

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☐ No		2013/05/28

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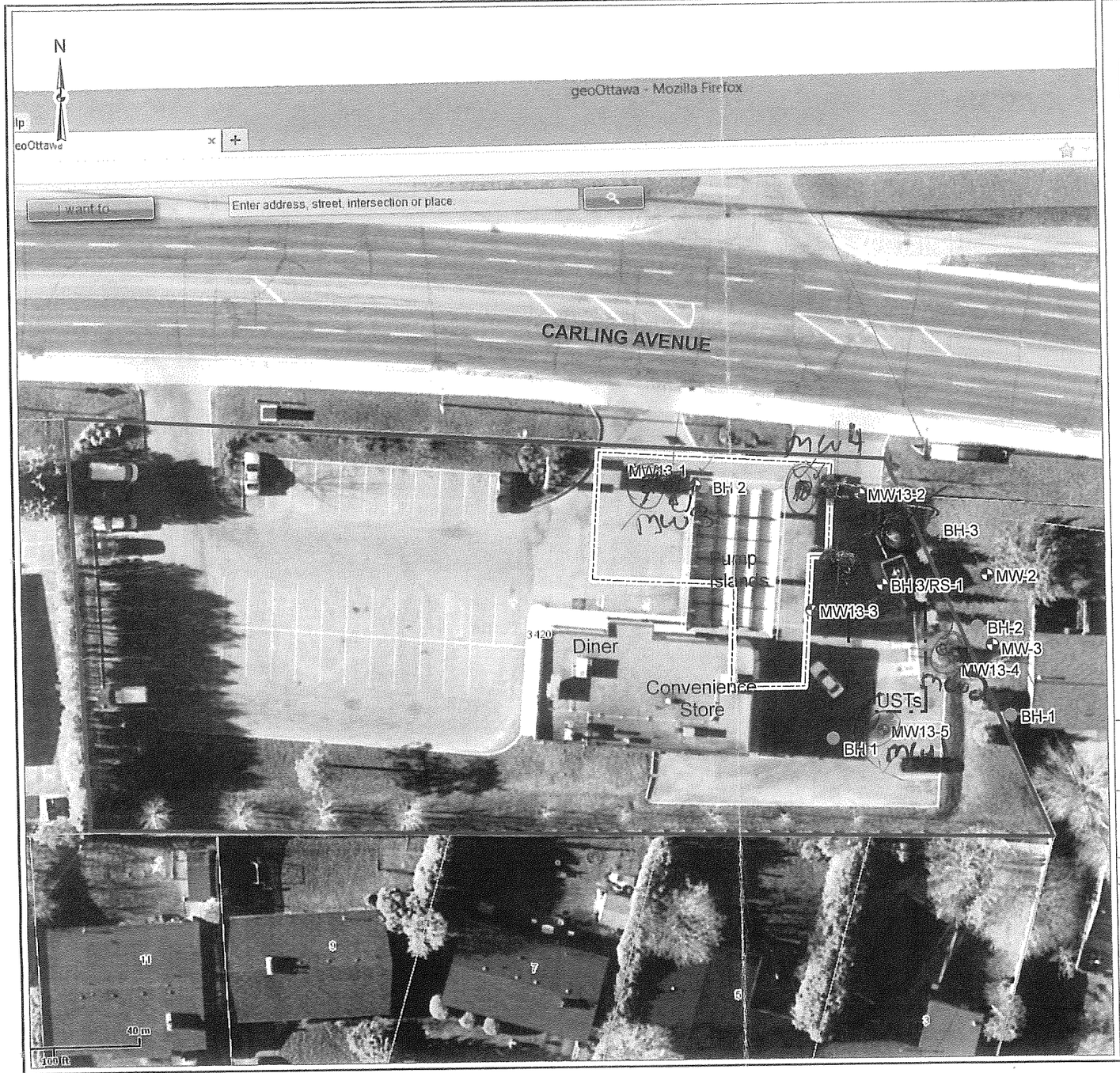

LEGEND

- 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-7241
216813

Figure 1- Site Layout

Scale 1:608

0 2.5 5 10 15 20
Meters

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

PROJECT No. 12-226-1

PROJECT
Proposal for Phase II ESA
3410 Carling Avenue, Ottawa

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

DATE: 06/05/2013

Geofirma Engineering Ltd

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Ontario — Ministry of the Environment

Measurements recorded in: ☑ Metric ☐ Imperial

Tag#: A146649 (or Print Below)

A146649

Well Record

Regulation 903 Ontario Water Resources Act

5-14138 Page ____ of ____

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
3420 Carling Av			
County/District/Municipality	**City/Town/Village**	**Province**	**Postal Code**
	Ottawa	Ontario	
UTM Coordinates Zone	Easting	Northing	**Municipal Plan and Sublot Number**	**Other**
NAD 83 18	445418	5022415		

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	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	.31	Concrete/flushmount	
.31	1.22	bentonite	
1.22	4.57	Sand	

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
4.03	Plastic	.368	0	1.22

Construction Record - Screen

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

Status of Well

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

Water Details

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

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0	4.57	8.25

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

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

Map of Well Location

Please provide a map below following instructions on the back.

MW3 on Map

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Drilling Group	7241
Business Address (Street Number/Name)	**Municipality**
147-2 West Beaver Creek Rd	Richmond Hill
Province	**Postal Code**	**Business E-mail Address**
ON	L4B1C6	wrecords@Stratagroup.com
Bus.Telephone No. (inc. area code)	**Name of Well Technician (Last Name, First Name)**
9057649304	Beatty, Brian
Well Technician's Licence No.	**Signature of Technician and/or Contractor**	**Date Submitted**
3616	[signature]	2013 05 31

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2013 05 28

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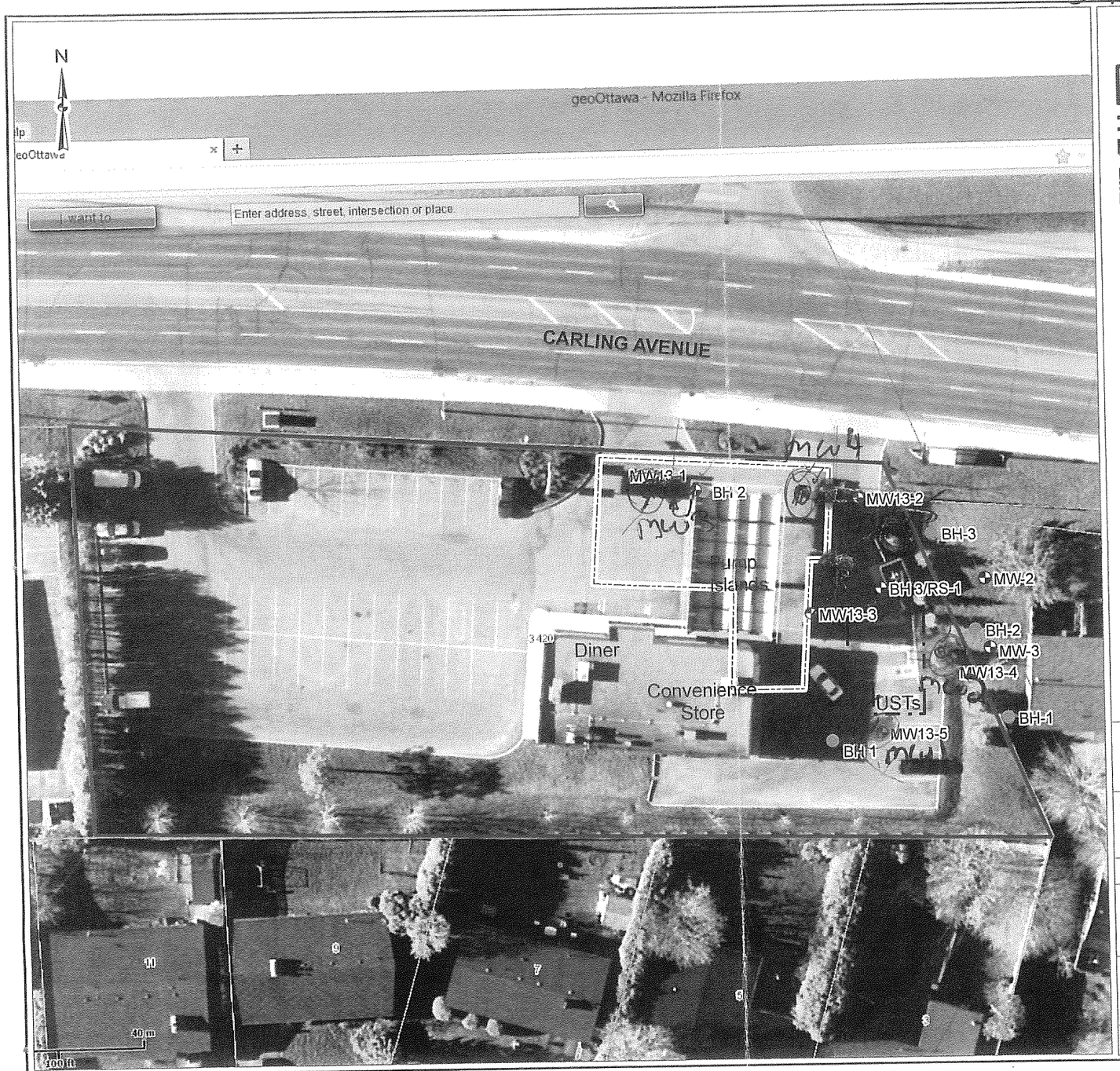

LEGEND

- 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-7241
216867

Figure 1- Site Layout

Scale 1:608

0 2.5 5 10 15 20
Meters

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

PROJECT No. 12-226-1

PROJECT
Proposal for Phase II ESA
3410 Carling Avenue, Ottawa

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

DATE: 06/05/2013

Geofirma Engineering Ltd

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Ontario — Ministry of the Environment

Measurements recorded in: ☑ Metric ☐ Imperial

Tag#: A146650 (or Print Below)

A146650

Well Record

Regulation 903 Ontario Water Resources Act

5-14138 Page ____ of ____

[redacted]

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

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	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	Depth (m/ft) 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) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	.31	Concrete flushmount	
.31	1.22	Bentonite	
1.22	4.57	Sand	

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
4.03	Plastic	.368	0	1.5

Construction Record - Screen

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

Status of Well

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

Water Details

Water found at Depth (m/ft)	Kind of Water	Hole Diameter Depth From	Depth To	Diameter (cm/in)
☐ Gas	☐ Fresh ☐ Untested ☐ Other, specify	0	4.57	8.25
☐ Gas	☐ Fresh ☐ Untested ☐ Other, specify			
☐ Gas	☐ Fresh ☐ Untested ☐ Other, specify			

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

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

Map of Well Location

Please provide a map below following instructions on the back.

MW 4 on Map

Comments:

Well Contractor and Well Technician Information

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

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

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

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

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3616		2013 05 31

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☐ No		2012 05 28

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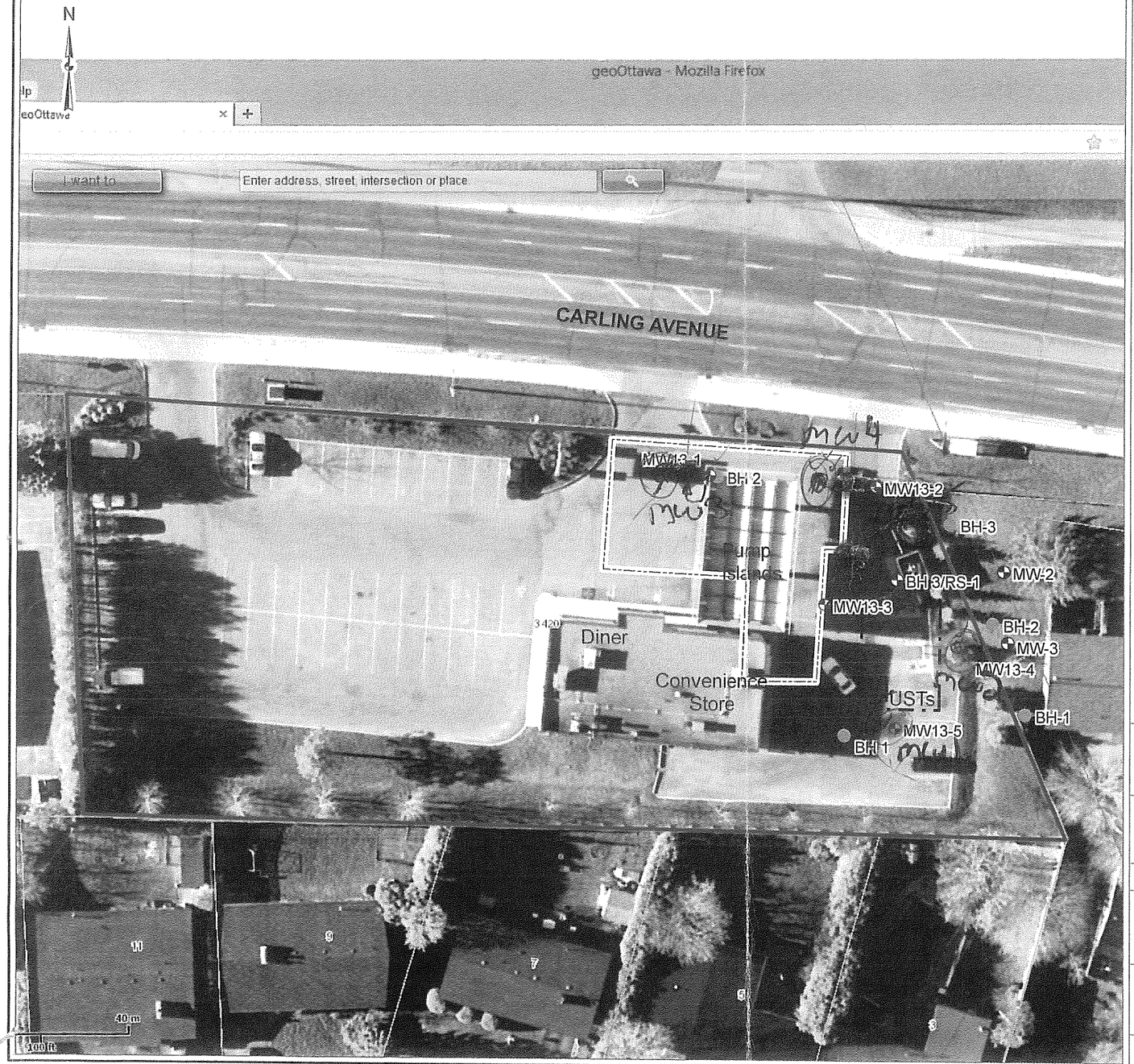

LEGEND

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

C-7241
2-168614

JUL 05 2013

Figure 1- Site Layout

Scale 1:608

0 2.5 5 10 15 20
Meters

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

PROJECT No. 12-226-1

PROJECT
Proposal for Phase II ESA
3410 Carling Avenue, Ottawa

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

DATE: 06/05/2013

Geofirma Engineering Ltd

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Ontario — Ministry of the Environment

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

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: [X] Metric [ ] Imperial

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	[ ] Well Constructed by Well Owner
	Terra Nova Building Corp.		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
P.O. Box 4185 Stn. "E"	Ottawa	Ontario	K1S 5B2	613 769 2697

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
40 Loch Isle Rd.	Nepean		

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

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	405606	5008402		

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

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used *(Material and Type)*	Volume Placed (m^3/ft^3)
10.66	0	Grouted Bentonite Hole Plug (6 bags)	

Method of Construction

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

Well Use

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

Construction Record - Casing

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

Construction Record - Screen

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

Status of Well

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

Results of Well Yield Testing

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

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

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

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

Recommended pump depth *(m/ft)*

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

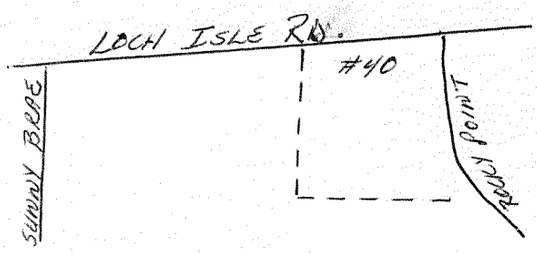
Well production *(l/min / GPM)*

Disinfected? [X] Yes [ ] No

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

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Water Details

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

Hole Diameter

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

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
613 836 1766	Miller, Stephen

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0097		2013052 2

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

Date Package Delivered: YYYY MM DD

Date Work Completed: 2013052 2

Ministry Use Only

Audit No. Z139898

Received MAR 2 1 2013

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Ministry's Copy

Ontario

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

Ontario

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 From	Depth 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 From	Depth To	Diameter
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

Ontario

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
				0 m	.15 m
BRWN	FILL	SAND	GRVL	.15 m	.9 m
	CLAY			.9 m	1.8 m
GREY	CLAY	SAND		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

Ontario

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
				0 m	.13 m
	FILL	SILT	GRVL	.13 m	.6 m
GREY	CLAY	SAND		.6 m	2.15 m
GREY	CLAY	SAND	GRVL	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

Ontario

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

Ontario

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

Ontario

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

Ontario

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	Material	Depth From	Depth To
10.92 cm			

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

Ontario

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 From	Depth 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 From	Depth To	Diameter
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

Ontario

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 From	Depth 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 From	Depth To	Diameter
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

Ontario

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	Material	Depth From	Depth To
4.82 cm			

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

Ontario

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	Material	Depth From	Depth 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 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)*

PATERSON GROUP
SOLUTION ORIENTED ENGINEERING

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

Consulting Engineers
9 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

patersongroup.ca

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

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

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 DI FRANCO

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*

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

Table of Contents

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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

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	2	2
CA	Certificates of Approval	Y	0	2	2
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	11	11
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	2	8	10
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	8	8
FSTH	Fuel Storage Tank - Historic	Y	0	2	2
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	6	6
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	Fuel Oil Spills and Leaks	Y	0	3	3
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	3	3
PRT	Private and Retail Fuel Storage Tanks	Y	0	2	2
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	2	2
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	6	6
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	36	36
	Total:		2	91	93

Executive Summary: Site Report Summary - Project Property

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

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

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

Lower Elevation	Address	Direction	Distance (m)	Map Key
	ON	WNW	181.13	35

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.

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

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

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.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	3420 CARLING AV NEPEAN ON K2H 5B1	E	85.14	8

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

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.

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

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN K2H 5B1 ON CA ON	E	85.14	8

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN K2H 5B1 ON CA ON	E	85.14	8
RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN K2H 5B1 ON CA ON	E	85.14	8
RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN K2H 5B1 ON CA ON	E	85.14	8

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 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

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.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN ON K2H 5B1	E	85.14	8
RALPH & SONS DINER LTD	3420 CARLING AV NEPEAN ON K2H 5B1	E	85.14	8

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.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Ralph & Son`s Diner Ltd.	3420 Carling Ave Ottawa ON	E	85.14	8
Ralph & Son`s Diner Ltd.	3420 Carling Ave Ottawa ON K2H5B1	E	85.14	8
Minto Apartments Ltd.	4 Crystal BEach Drive ottawa ON K2H 5M4	E	223.93	45
Minto Apartments Ltd.	4 Crystal BEach Drive ottawa ON	E	223.93	45
Minto Apartments Ltd.	4 Crystal BEach Drive ottawa ON	E	223.93	45

Lower Elevation	Address	Direction	Distance (m)	Map Key
SKARLAN ENTERPRISES	3409 CARLING AVENUE OTTAWA ON	WNW	228.10	47

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.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
RALPH & SONS DINER LTD	3420 CARLING AV,,NEPEAN,ON,K2H 5B1,CA ON	E	85.14	8
RALPH & SONS DINER LTD	3420 CARLING AV,,NEPEAN,ON,K2H 5B1,CA ON	E	85.14	8

Lower Elevation	Address	Direction	Distance (m)	Map Key
	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.

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

Lower Elevation	Address	Direction	Distance (m)	Map Key
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.

Lower Elevation	Address	Direction	Distance (m)	Map Key
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.

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

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

Lower Elevation	Address	Direction	Distance (m)	Map Key
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.

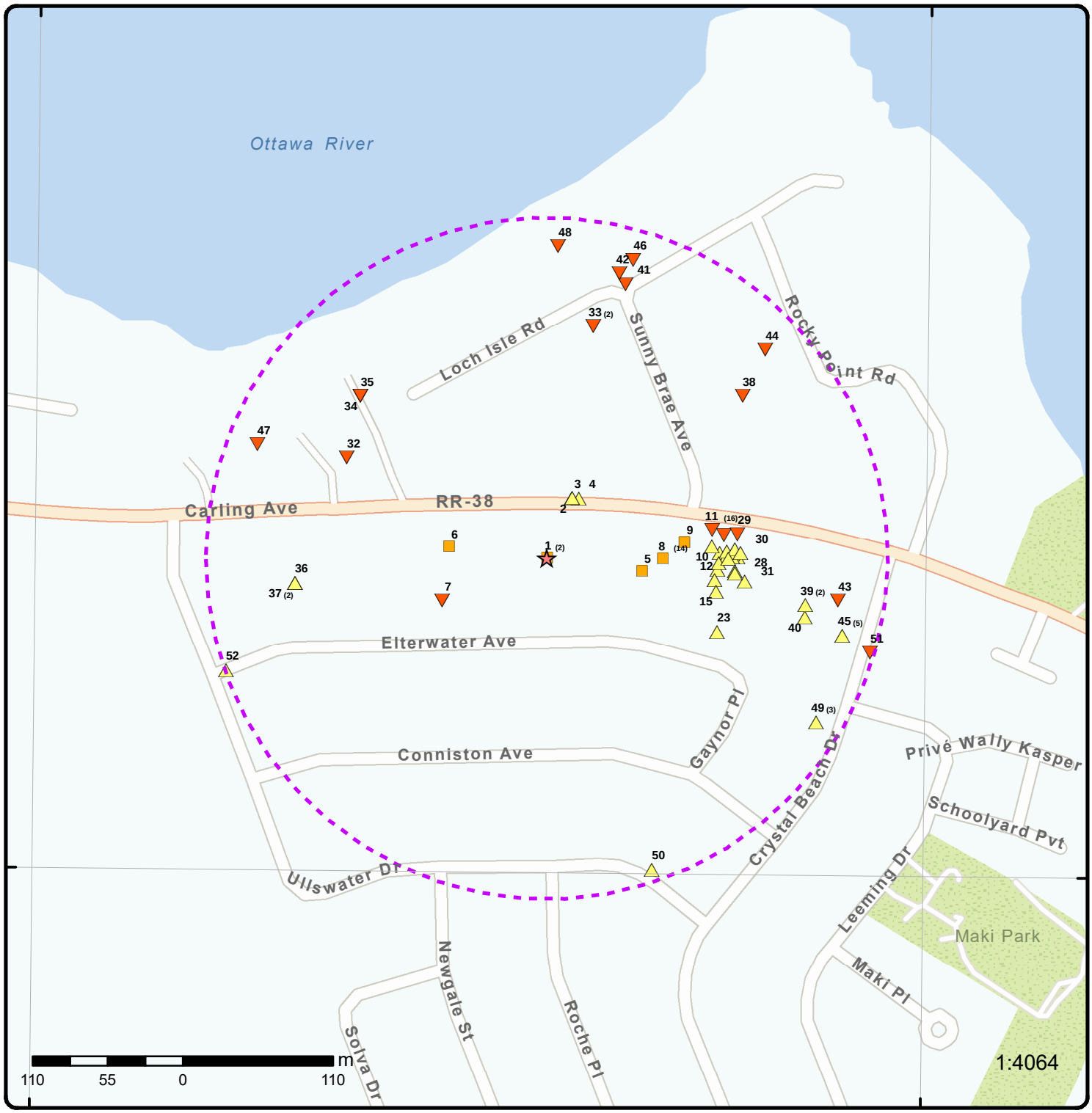
Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	lot 12 con 1 ON ***Well ID:*** 1503798	NNE	47.56	2
	lot 12 con 1 ON ***Well ID:*** 1503799	NE	49.71	4
	3420 CARLING AVE Ottawa ON ***Well ID:*** 7204222	E	70.39	5
	lot 12 con 1 ON ***Well ID:*** 1503829	W	72.16	6
	3420 CARLING AVE Ottawa ON ***Well ID:*** 7204224	E	101.49	9
	3420 CARLING AVE Ottawa ON ***Well ID:*** 7204293	E	121.12	10
	4 CRYSTAL BEACH DR Ottawa ON ***Well ID:*** 7190965	E	123.85	12
	4 CRYSTAL BEACH RD OTTAWA ON ***Well ID:*** 7216113	E	125.06	13
	4 CRYSTAL BEACH RD OTTAWA ON ***Well ID:*** 7216117	E	125.83	14
	4 CRYSTAL BEACH RD OTTAWA ON ***Well ID:*** 7216118	E	126.12	15
	4 CRYSTAL BEACH ROAD OTTAWA ON ***Well ID:*** 7216112	E	126.85	16
	4 CRYSTAL BEACH DR Ottawa ON	E	130.79	17

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	Well ID: 7190964			
	4 CRYSTAL BEACH RD OTTAWA ON ***Well ID:*** 7216116	E	131.88	19
	3420 CARLING AVE Ottawa ON ***Well ID:*** 7204221	E	132.79	20
	4 CRYSTAL BEACH RD. ON ***Well ID:*** 7198893	E	135.79	21
	4 CRYSTAL BEACH DR. OTTAWA ON ***Well ID:*** 7198894	E	135.82	22
	4 CRYSTAL BEACH ROAD OTTAWA ON ***Well ID:*** 7216114	E	135.82	22
	4 CRYSTAL BEACH RD. lot 13 con 1 OTTAWA ON ***Well ID:*** 7198892	E	137.96	24
	233 ELTERWATER AVE. OTTAWA ON ***Well ID:*** 7176933	E	138.09	25
	4 CRYSTAL BEACH RD OTTAWA ON ***Well ID:*** 7216115	E	138.24	26
	233 ELTER WATER AVE. lot 13 con 1 OTTAWA ON ***Well ID:*** 7176932	E	138.84	27
	4 CRYSTAL BEACH DR. OTTAWA ON ***Well ID:*** 7198880	E	139.79	28
	4 CRYSTAL BEACH DR. OTTAWA ON ***Well ID:*** 7198881	E	141.84	30

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	3420 CARLING AVE Ottawa ON ***Well ID:*** 7204223	E	145.80	31
	IN FRONT OF ULLSWATER DRIVE 47/48 Ottawa ON ***Well ID:*** 7263437	SSE	240.72	50

Lower Elevation	Address	Direction	Distance (m)	Map Key
	lot 12 con 1 ON ***Well ID:*** 1503800	WSW	82.70	7
	4 CRYSTAL BEACH DR Ottawa ON ***Well ID:*** 7190962	E	130.88	18
	4 CRYSTAL BEACH DR Ottawa ON ***Well ID:*** 7190963	E	140.93	29
	lot 12 con 1 ON ***Well ID:*** 1503804	WNW	164.16	32
	lot 12 con 1 ON ***Well ID:*** 1503794	WNW	181.08	34
	lot 13 con 1 ON ***Well ID:*** 1503824	ENE	186.25	38
	lot 13 con 1 ON ***Well ID:*** 1503809	NNE	215.58	42
	lot 13 con 1 ON ***Well ID:*** 1503819	E	215.65	43
	lot 13 con 1 ON ***Well ID:*** 1504678	NNE	227.86	46

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



Map: 0.25 Kilometer Radius

Order Number: 22120601094

Address: PE5853 - 3430 Carling Avenue, Nepean, ON

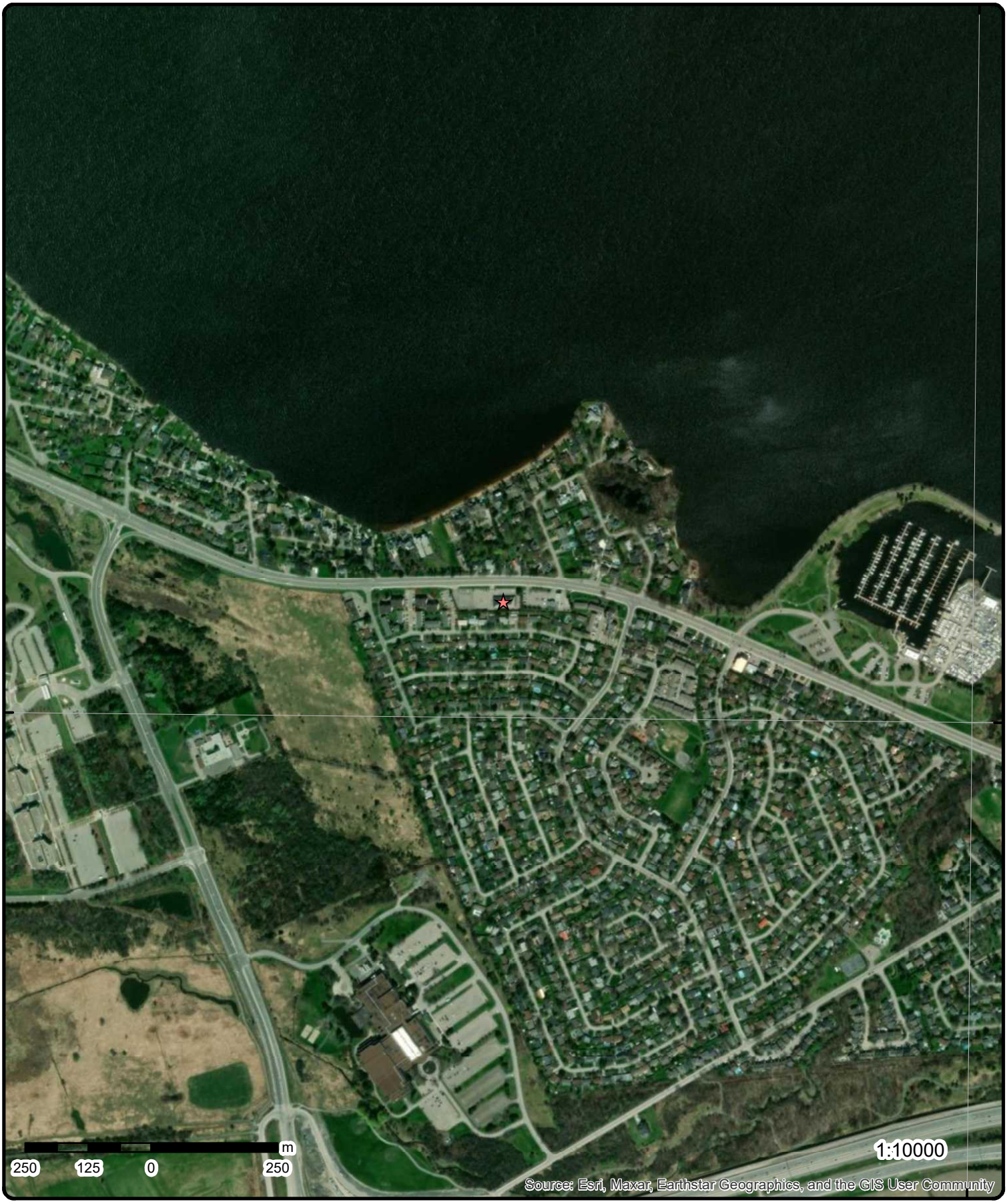
- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major Arterial; Minor Arterial
- Local Road
- Service Road; Traffic Circle; Ramp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

Source: © 2021 ESRI StreetMap Premium.

© ERIS Information Limited Partnership

75°49'30"W

45°21'N



45°21'N

Aerial

Year: 2022

Order Number: 22120601094

Address: PE5853 - 3430 Carling Avenue, Nepean, ON

Source: ESRI World Imagery

© ERIS Information Limited Partnership

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
1	1 of 2	NE/0.6	63.9 / 0.00	PE4556 -3430 Carling Ave Ottawa ON K2H 5J1	EHS

Order No:	21012100004	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	26-JAN-21	**Search Radius (km):**	.25
Date Received:	21-JAN-21	**X:**	-75.8368631
Previous Site Name:		**Y:**	45.3520783
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	2 of 2	NE/0.6	63.9 / 0.00	PE4556 -3430 Carling Ave Ottawa ON K2H 5J1	EHS

Order No:	21012100004	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	26-JAN-21	**Search Radius (km):**	.25
Date Received:	21-JAN-21	**X:**	-75.8368631
Previous Site Name:		**Y:**	45.3520783
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	NNE/47.6	63.9 / 0.03	lot 12 con 1 ON	WWIS

Well ID:	1503798	**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-Jan-1953 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\1503798.pdf

Additional Detail(s) (Map)

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

Materials Interval

Formation ID:	930997597
Layer:	4
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	45.0
Formation End Depth:	103.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930997595
Layer:	2
Color:	4
General Color:	GREEN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	10.0
Formation End Depth:	40.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961503798
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10574411
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

Water Details

Water ID: 933456781
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 50.0
Water Found Depth UOM: ft

Water Details

Water ID: 933456782
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 80.0
Water Found Depth UOM: ft

Water Details

Water ID: 933456780
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 30.0
Water Found Depth UOM: ft

Links

Bore Hole ID: 10025841
Depth M: 31.3944
Year Completed: 1952
Tag No:
Contractor: 3718
Path: 150\1503798.pdf

Well Completed Dt:	1952/12/24	**Latitude:**	45.3524701842839
Audit No:		**Longitude:**	-75.8366391594083

3 **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:**	

Bottom Depth:	31.4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Limestone	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	LIMESTONE. 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		

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4 | ***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

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:

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

Method of Construction & Well Use

Method Construction ID:	961503799
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10574412
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

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

Results of Well Yield Testing

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

Water Details

Water ID:	933456784
Layer:	2

Kind Code: 1
Kind: FRESH
Water Found Depth: 100.0
Water Found Depth UOM: ft

Water Details

Water ID: 933456783
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 60.0
Water Found Depth UOM: ft

Links

Bore Hole ID: 10025842
Depth M: 30.48
Year Completed: 1953
Well Completed Dt: 1953/05/11
Audit No:
Tag No:
Contractor: 3566
Path: 150\1503799.pdf
Latitude: 45.3524706518064
Longitude: -75.8365753341873

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5 | **1 of 1** | **E/70.4** | **63.9 / 0.00** | **3420 CARLING AVE Ottawa ON** | **WWIS**

Well ID: 7204222
Construction Date:
Use 1st: Monitoring and Test Hole
Use 2nd:
Final Well Status: Test Hole
Water Type:
Casing Material:
Audit No: Z168614
Tag: A146648
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 05-Jul-2013 00:00:00
Selected Flag: TRUE
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

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
DP2BR:
Spatial Status:
Elevation:
Elevrc:
Zone: 18

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

Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004809379
Layer: 2
Plug From: 0.3100000023841858
Plug To: 1.2200000286102295
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004809380
Layer: 3
Plug From: 1.2200000286102295
Plug To: 4.570000171661377
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004809378
Layer: 1
Plug From: 0.0
Plug To: 0.3100000023841858
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1004809377
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 1004809367
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Screen

Screen ID: 1004809374
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

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:**	720\7204222.pdf
Well Completed Dt:	2013/05/28	**Latitude:**	45.3519979669914
Audit No:	Z168614	**Longitude:**	-75.8359760127979

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6 | ***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)

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

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

Method of Construction & Well Use

Method Construction ID: 961503829
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574442
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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:

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

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7 | ***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

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:	

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

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID: 961503800
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574413
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Casing

Casing ID: 930044439
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:

Depth To:	37.0
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:	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

Water Details

Water ID:	933456786
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	118.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933456785
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60.0
Water Found Depth UOM:	ft

Links

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
8	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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	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

---

8 **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

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8 **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

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

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8 | ***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
Status:
Cont Name:
Instance Type: FS Liquid Fuel Tank
Item:
Item Description: FS Liquid Fuel Tank
Tank Type: Double Wall UST
Install Date: 6/2/2009
Install Year: 1995
Years in Service:
Model: NULL
Description:
Capacity: 15000
Tank Material: Steel
Corrosion Protect: Sacrificial anode
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

Manufacturer:
Serial No:
Ulc Standard:
Quantity:
Unit of Measure:
Fuel Type: Gasoline
Fuel Type2: NULL
Fuel Type3: NULL
Piping Steel:
Piping Galvanized:
Tanks Single Wall St:
Piping Underground:
No Underground:
Panam Related:
Panam Venue:

Liquid Fuel Tank Details

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

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8 | ***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
Status:
Cont Name:
Instance Type: FS Liquid Fuel Tank
Item:
Item Description: FS Liquid Fuel Tank
Tank Type: Double Wall UST
Install Date: 6/2/2009
Install Year: 1995
Years in Service:
Model: NULL
Description:
Capacity: 25000
Tank Material: Steel
Corrosion Protect: Sacrificial anode
Overfill Protect:
Facility Type: FS Liquid Fuel Tank
Parent Facility Type: FS Gasoline Station - Self Serve
Facility Location:

Manufacturer:
Serial No:
Ulc Standard:
Quantity:
Unit of Measure:
Fuel Type: Gasoline
Fuel Type2: NULL
Fuel Type3: NULL
Piping Steel:
Piping Galvanized:
Tanks Single Wall St:
Piping Underground:
No Underground:
Panam Related:
Panam Venue:

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

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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:

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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

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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

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8 | **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

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8 | **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		
Occurence Narrative:			
Operation Type Involved:			
Item:	FS GASOLINE STATION - SELF SERVE		
Item Description:			
Device Installed Location:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	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		
Occurence Narrative:			
Operation Type Involved:			
Item:	FS GASOLINE STATION - SELF SERVE		
Item Description:			
Device Installed Location:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	14 of 14	E/85.1	63.9 / 0.00	3420 CARLING AV NEPEAN ON K2H 5B1	DTNK

Delisted Fuel Storage Tank

Instance No:	10143414	**Creation Date:**	
Status:	Active	**Overfill Prot Type:**	
Instance Type:		**Facility Location:**	
Fuel Type:		**Piping SW Steel:**	0
Cont Name:		**Piping SW Galvan:**	0
Capacity:		**Tanks SW Steel:**	0
Tank Material:		**Piping Underground:**	4

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

9 | ***1 of 1*** | ***E/101.5*** | ***63.9 / 0.00*** | ***3420 CARLING AVE Ottawa ON*** | ***WWIS***

Well ID:	7204224	**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:	Z168617	**Contractor:**	7241
Tag:	A146649	**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\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:**	

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

Formation End Depth: 4.570000171661377
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004809408
Layer: 3
Plug From: 1.2200000286102295
Plug To: 4.570000171661377
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004809407
Layer: 2
Plug From: 0.3100000023841858
Plug To: 1.2200000286102295
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004809406
Layer: 1
Plug From: 0.0
Plug To: 0.3100000023841858
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1004809405
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 1004809395
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Screen

Screen ID: 1004809402

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

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10 | ***1 of 1*** | ***E/121.1*** | ***65.0 / 1.08*** | ***3420 CARLING AVE Ottawa ON*** | ***WWIS***

Well ID: 7204293
Construction Date:
Use 1st: Monitoring and Test Hole
Use 2nd:
Final Well Status: Test Hole
Water Type:
Casing Material:
Audit No: Z168616
Tag: A146650
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 05-Jul-2013 00:00:00
Selected Flag: TRUE
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7204293.pdf

Additional Detail(s) (Map)

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
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 28-May-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: 434568.00
North83: 5022412.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 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

Materials Interval

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

Annular Space/Abandonment Sealing Record

Plug ID:	1004812387
Layer:	1
Plug From:	0.0
Plug To:	0.3100000023841858
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004812389
Layer:	3
Plug From:	1.2200000286102295
Plug To:	4.369999885559082
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004812388
Layer:	2
Plug From:	0.3100000023841858
Plug To:	1.2200000286102295
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1004812386
Method Construction Code:	B
Method Construction:	Other Method
Other Method Construction:	DIRECT PUSH

Pipe Information

Pipe ID:	1004812376
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004812382

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

Construction Record - Screen

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

Water Details

Water ID:	1004812381
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1004812380
Diameter:	8.25
Depth From:	0.0
Depth To:	4.570000171661377
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Links

Bore Hole ID:	1004398040	**Tag No:**	A146650
Depth M:	4.57	**Contractor:**	7241
Year Completed:	2013	**Path:**	720\7204293.pdf
Well Completed Dt:	2013/05/28	**Latitude:**	45.3521647376386
Audit No:	Z168616	**Longitude:**	-75.8353273841574

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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

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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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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
Status: EXPIRED
Instance ID:
Instance Type: FS Facility
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:
Original Source: EXP
Record Date: Up to May 2013

Expired Date: 11/2/1994
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:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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
Status: EXPIRED
Instance ID: 12019
Instance Type: FS Facility
Instance Creation Dt:
Instance Install Dt:
Item Description:

Expired Date:
Max Hazard Rank:
Facility Location:
Facility Type:
Fuel Type 2:
Fuel Type 3:
Panam Related:

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

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 Propane Cylr Handling Facility
Original Source: EXP
Record Date: 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: 10902065
Status: EXPIRED
Instance ID: 50567
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	***6 of 16***	***E/122.9***	***63.8 / -0.09***	***MAC'S CONVENIENCE STORES INC***** ***3410 CARLING AVE STATION 7013***	***DTNK***

NEPEAN ON

Delisted Expired Fuel Safety Facilities

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		

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

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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

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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

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

Annular Space/Abandonment Sealing Record

Plug ID:	1004486674
Layer:	3
Plug From:	2.740000009536743
Plug To:	6.099999904632568
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004486672
Layer:	1
Plug From:	0.0
Plug To:	0.3100000023841858
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004486673
Layer:	2
Plug From:	0.3100000023841858
Plug To:	2.740000009536743
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1004486671
Method Construction Code:	D
Method Construction:	Direct Push
Other Method Construction:	

Pipe Information

Pipe ID:	1004486661
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004486667
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	3.0999999046325684
Casing Diameter:	4.03000020980835
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1004486668
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: 1004486666
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1004486665
Diameter: 8.25
Depth From: 0.0
Depth To: 6.099999904632568
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

Bore Hole ID: 1004199539
Depth M: 6.1
Year Completed: 2012
Well Completed Dt: 2012/10/22
Audit No: Z156931
Tag No: A135014
Contractor: 7241
Path: 719\7190965.pdf
Latitude: 45.3519399140648
Longitude: -75.8352985440505

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13 | **1 of 1** | **E/125.1** | **65.0 / 1.08** | **4 CRYSTAL BEACH RD OTTAWA ON** | **WWIS**

Well ID: 7216113
Construction Date:
Use 1st: Monitoring and Test Hole
Use 2nd: 0
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z179994
Tag: A141802
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 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: 45.352012104072
Longitude: -75.8352740734026
Path:

Bore Hole Information

Bore Hole ID: 1004706997
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: 434572.00
North83: 5022395.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1005074982
Layer: 3
Plug From: 1.8300000429153442
Plug To:
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005074980
Layer: 1
Plug From: 0.0
Plug To: 0.3100000023841858
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005074981
Layer: 2
Plug From: 0.3100000023841858
Plug To: 1.8300000429153442
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1005074979
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

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

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

Well ID: 7216117
Construction Date:
Flowing (Y/N):
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:	Z179995	**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:**	
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:	45.3520571994852
Longitude:	-75.8352619704555
Path:	

Bore Hole Information

Bore Hole ID:	1004707009	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	434573.00
Code OB Desc:		**North83:**	5022400.00
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:			

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

Layer:	2
Plug From:	0.3100000023841858
Plug To:	1.8300000429153442
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1005075027
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1005075019
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1005075023
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	
Depth To:	
Casing Diameter:	4.03000020980835
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1005075024
Layer:	1
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	4.820000171661377

Water Details

Water ID:	1005075022
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1005075021
Diameter:	20.31999969482422
Depth From:	0.0
Depth To:	1.8300000429153442
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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:			

Annular Space/Abandonment Sealing Record

Plug ID:	1005075039
Layer:	1
Plug From:	0.0
Plug To:	0.3100000023841858
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005075040
Layer:	2
Plug From:	0.3100000023841858
Plug To:	1.8300000429153442
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005075041
Layer:	3
Plug From:	1.8300000429153442
Plug To:	4.880000114440918
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1005075038
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1005075030
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

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

Construction Record - Screen

Screen ID:	1005075035
Layer:	1
Slot:	

Screen Top Depth:
Screen End Depth:
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 4.820000171661377

Water Details

Water ID: 1005075033
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1005075032
Diameter: 20.31999969482422
Depth From: 0.0
Depth To: 1.8300000429153442
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

Bore Hole ID: 1004707012
Depth M:
Year Completed: 2013
Well Completed Dt: 2013/12/12
Audit No: Z179992
Tag No: A135015
Contractor: 7241
Path: 721\7216118.pdf
Latitude: 45.3518680041256
Longitude: -75.8352847198986

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16 ***1 of 1*** ***E/126.8*** ***65.0 / 1.08*** ***4 CRYSTAL BEACH ROAD OTTAWA ON*** ***WWIS***

Well ID: 7216112
Construction Date:
Use 1st: Monitoring and Test Hole
Use 2nd: 0
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z179998
Tag: A141803
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 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: 45.3521202957204
Longitude: -75.8352501322862
Path:

Bore Hole Information

Bore Hole ID: 1004706994
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: 434574.00
North83: 5022407.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1005074970
Layer: 2
Plug From: 0.3100000023841858
Plug To: 1.8300000429153442
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005074969
Layer: 1
Plug From: 0.0
Plug To: 0.3100000023841858
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1005074968
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1005074960
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005074964

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

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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:**	

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

PDF URL (Map):

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

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
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 02-Oct-2012 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: 434578.00
North83: 5022403.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 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

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

Overburden and Bedrock Materials Interval

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

Annular Space/Abandonment Sealing Record

Plug ID: 1004486660
Layer: 3
Plug From: 2.740000009536743
Plug To: 6.099999904632568
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004486659
Layer: 2
Plug From: 0.3100000023841858
Plug To: 2.740000009536743
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004486658
Layer: 1
Plug From: 0.0
Plug To: 0.3100000023841858
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1004486657
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

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***

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 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:	45.3522375811231
Longitude:	-75.8352135584802
Path:	

Bore Hole Information

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:			

Overburden and Bedrock Materials Interval

Formation ID:	1004486622
Layer:	3
Color:	2
General Color:	GREY
Mat1:	06
Most Common Material:	SILT
Mat2:	05
Mat2 Desc:	CLAY

Mat3: 08
Mat3 Desc: FINE SAND
Formation Top Depth: 3.0999999046325684
Formation End Depth: 6.099999904632568
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Annular Space/Abandonment Sealing Record

Plug ID: 1004486630
Layer: 1
Plug From: 0.0
Plug To: 0.3100000023841858
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004486632
Layer: 3
Plug From: 2.740000009536743
Plug To: 6.099999904632568
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004486631

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

Method of Construction & Well Use

Method Construction ID:	1004486629
Method Construction Code:	D
Method Construction:	Direct Push
Other Method Construction:	

Pipe Information

Pipe ID:	1004486619
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

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

Construction Record - Screen

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

Water Details

Water ID:	1004486624
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1004486623
Diameter:	8.25
Depth From:	0.0
Depth To:	6.099999904632568
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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 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:	45.3521297628758
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:			

Annular Space/Abandonment Sealing Record

Plug ID:	1005075017
Layer:	2
Plug From:	0.3100000023841858
Plug To:	1.8300000429153442
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005075016
Layer:	1
Plug From:	0.0
Plug To:	0.3100000023841858
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005075018
Layer:	3
Plug From:	1.8300000429153442
Plug To:	4.880000114440918
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1005075015
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1005075007
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

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

Construction Record - Screen

Screen ID:	1005075012
Layer:	1
Slot:	

Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 4.820000171661377

Water Details

Water ID: 1005075010
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1005075009
Diameter: 20.31999969482422
Depth From: 0.0
Depth To: 1.8300000429153442
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

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

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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:
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 05-Jul-2013 00:00:00
Selected Flag: TRUE
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7204221.pdf

Additional Detail(s) (Map)

Well Completed Date: 2013/05/27

Year Completed: 2013
Depth (m): 4.57
Latitude: 45.3520848541607
Longitude: -75.8351730129216
Path: 720\7204221.pdf

Bore Hole Information

Bore Hole ID: 1004395857
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 27-May-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: 434580.00
North83: 5022403.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 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

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

Annular Space/Abandonment Sealing Record

Plug ID:	1004809366
Layer:	3
Plug From:	1.2200000286102295
Plug To:	4.570000171661377
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004809364
Layer:	1
Plug From:	0.0
Plug To:	0.3100000023841858
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004809365
Layer:	2
Plug From:	0.3100000023841858
Plug To:	1.2200000286102295
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1004809363
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1004809353
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004809359
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

Construction Record - Screen

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

Water Details

Water ID:	1004809358
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1004809357
Diameter:	0.20000000298023224
Depth From:	0.0
Depth To:	4.570000171661377
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Links

Bore Hole ID:	1004395857	**Tag No:**	A146633
Depth M:	4.57	**Contractor:**	7241
Year Completed:	2013	**Path:**	720\7204221.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:**	

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

Additional Detail(s) (Map)

Well Completed Date:	2013/02/27
Year Completed:	2013
Depth (m):	2.13
Latitude:	45.3520941345971
Longitude:	-75.8351348504146
Path:	719\7198893.pdf

Bore Hole Information

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:			

Overburden and Bedrock Materials Interval

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

Annular Space/Abandonment Sealing Record

Plug ID:	1004914792
Layer:	1
Plug From:	0.0
Plug To:	0.3100000023841858
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004914794
Layer:	3
Plug From:	2.130000114440918
Plug To:	5.489999771118164
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004914793
Layer:	2
Plug From:	0.3100000023841858
Plug To:	2.130000114440918
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1004914791
Method Construction Code:	D
Method Construction:	Direct Push
Other Method Construction:	

Pipe Information

Pipe ID:	1004914783
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

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

Construction Record - Screen

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

Water Details

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

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

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

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:

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

Formation Top Depth: 2.130000114440918
Formation End Depth: 5.489999771118164
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004914850
Layer: 3
Plug From: 2.130000114440918
Plug To: 5.489999771118164
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004914849
Layer: 2
Plug From: 0.3100000023841858
Plug To: 2.130000114440918
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004914848
Layer: 1
Plug From: 0.0
Plug To: 0.3100000023841858
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1004914847
Method Construction Code: 6
Method Construction: Boring
Other Method Construction: DIRECT PUSH

Pipe Information

Pipe ID: 1004914837
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Screen

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

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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 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: 45.3521121354211
Longitude: -75.8351351151745
Path:

Bore Hole Information

Bore Hole ID: 1004707000
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: 434583.00
North83: 5022406.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1005074994
Layer: 3
Plug From: 1.8300000429153442
Plug To:
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005074993
Layer: 2
Plug From: 0.3100000023841858
Plug To: 1.8300000429153442
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005074992
Layer: 1
Plug From: 0.0
Plug To: 0.3100000023841858
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1005074991
Method Construction Code:
Method Construction:
Other Method Construction:

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

23	***1 of 1***	***ESE/135.9***	***64.9 / 1.00***	***1, 27, 29, 31, 35 & 37 Elterwater Avenue, 4 Crystal Beach Drive and 5 Ullswater***	***EHS***

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:			

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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:			

Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Annular Space/Abandonment Sealing Record

Plug ID:	1004914741
Layer:	3
Plug From:	2.740000009536743
Plug To:	6.099999904632568
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004914740
Layer:	2
Plug From:	0.3100000023841858
Plug To:	2.740000009536743
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004914739
Layer:	1
Plug From:	0.0
Plug To:	0.3100000023841858

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

Bore Hole ID:	1004265160	**Tag No:**	A141806
Depth M:	6.1	**Contractor:**	7241
Year Completed:	2013	**Path:**	719\7198892.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 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/717\7176933.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:	717\7176933.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

Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Annular Space/Abandonment Sealing Record

Plug ID:	1004092991
Layer:	2
Plug From:	0.3100000023841858
Plug To:	2.740000009536743
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID: 1004092992
Layer: 3
Plug From: 2.740000009536743
Plug To: 6.099999904632568
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004092990
Layer: 1
Plug From: 0.0
Plug To: 0.3100000023841858
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1004092989
Method Construction Code: B
Method Construction: Other Method
Other Method Construction: D.P.

Pipe Information

Pipe ID: 1004092979
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004092985
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: 1004092986
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: 1004092984
Layer:
Kind Code:
Kind:
Water Found Depth:

Water Found Depth UOM: m

Hole Diameter

Hole ID: 1004092983
Diameter: 8.25
Depth From: 0.0
Depth To: 6.099999904632568
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

Bore Hole ID: 1003693846
Depth M: 6.1
Year Completed: 2011
Well Completed Dt: 2011/12/20
Audit No: Z138897
Tag No: A123749
Contractor: 7241
Path: 717\7176933.pdf
Latitude: 45.3520043171513
Longitude: -75.8351079967305

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26 ***1 of 1*** ***E/138.2*** ***65.0 / 1.08*** ***4 CRYSTAL BEACH RD OTTAWA ON*** ***WWIS***

Well ID: 7216115
Construction Date:
Use 1st: Monitoring and Test Hole
Use 2nd: 0
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z179997
Tag: A135014
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):

Flowing (Y/N):
Flow Rate:
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:

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

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:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1005075005
Layer: 2
Plug From: 0.3100000023841858
Plug To: 1.8300000429153442
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005075006
Layer: 3
Plug From: 1.8300000429153442
Plug To:
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005075004
Layer: 1
Plug From: 0.0
Plug To: 0.3100000023841858
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1005075003
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1005074995
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005074999
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To:

Casing Diameter:	4.03000020980835
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1005075000
Layer:	1
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	4.210000038146973

Water Details

Water ID:	1005074998
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1005074997
Diameter:	20.31999969482422
Depth From:	0.0
Depth To:	1.8300000429153442
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Links

Bore Hole ID:	1004707003	**Tag No:**	A135014
Depth M:		**Contractor:**	7241
Year Completed:	2013	**Path:**	721\7216115.pdf
Well Completed Dt:	2013/12/12	**Latitude:**	45.3519863163268
Audit No:	Z179997	**Longitude:**	-75.8351077319802

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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:**	

Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/717\7176932.pdf

Additional Detail(s) (Map)

Well Completed Date: 2011/12/20
Year Completed: 2011
Depth (m): 6.1
Latitude: 45.352121415845
Longitude: -75.8350969526429
Path: 717\7176932.pdf

Bore Hole Information

Bore Hole ID: 1003697035
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 20-Dec-2011 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: 434586.00
North83: 5022407.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1004092913
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

Overburden and Bedrock Materials Interval

Formation ID: 1004092911
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

Overburden and Bedrock Materials Interval

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

Annular Space/Abandonment Sealing Record

Plug ID: 1004092921
Layer: 1
Plug From: 0.0
Plug To: 0.3100000023841858
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004092923
Layer: 3
Plug From: 2.740000009536743
Plug To: 6.099999904632568
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004092922
Layer: 2
Plug From: 0.3100000023841858
Plug To: 2.740000009536743
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1004092920
Method Construction Code: B
Method Construction: Other Method
Other Method Construction: D.P.

Pipe Information

Pipe ID: 1004092910

Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Screen

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

Water Details

Water ID: 1004092915
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1004092914
Diameter: 8.25
Depth From: 0.0
Depth To: 6.099999904632568
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

Bore Hole ID: 1003697035
Depth M: 6.1
Year Completed: 2011
Well Completed Dt: 2011/12/20
Audit No: Z134432
Tag No: A123748
Contractor: 7241
Path: 717\7176932.pdf
Latitude: 45.352121415845
Longitude: -75.8350969526429

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28 | ***1 of 1*** | ***E/139.8*** | ***65.0 / 1.08*** | ***4 CRYSTAL BEACH DR. OTTAWA ON*** | ***WWIS***

Well ID: 7198880
Construction Date:
Use 1st: Monitoring and Test Hole
Use 2nd:
Flowing (Y/N):
Flow Rate:
Data Entry Status:
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:	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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Annular Space/Abandonment Sealing Record

Plug ID:	1004914573
Layer:	2
Plug From:	0.3100000023841858
Plug To:	2.130000114440918
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004914572
Layer:	1
Plug From:	0.0
Plug To:	0.3100000023841858
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004914574
Layer:	3
Plug From:	2.130000114440918
Plug To:	5.480000019073486
Plug Depth UOM:	m

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

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

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Annular Space/Abandonment Sealing Record

Plug ID:	1004486645
Layer:	2
Plug From:	0.3100000023841858
Plug To:	2.740000009536743
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004486646
Layer:	3

Plug From: 2.740000009536743
Plug To: 6.099999904632568
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004486644
Layer: 1
Plug From: 0.0
Plug To: 0.3100000023841858
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1004486643
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe Information

Pipe ID: 1004486633
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Screen

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

Water Details

Water ID: 1004486638
Layer: 1
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID:	1004486637
Diameter:	8.25
Depth From:	0.0
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

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: 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

Overburden and Bedrock Materials Interval

Formation ID: 1004914577
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 0.3100000023841858
Formation End Depth: 2.130000114440918
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1004914576
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 0.0
Formation End Depth: 0.3100000023841858
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004914586
Layer: 1
Plug From: 0.0
Plug To: 0.3100000023841858
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004914588
Layer: 3
Plug From: 2.130000114440918
Plug To: 5.489999771118164
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004914587
Layer: 2
Plug From: 0.3100000023841858
Plug To: 2.130000114440918
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1004914585
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction: BORING

Pipe Information

Pipe ID: 1004914575
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Screen

Screen ID: 1004914582
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: 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
Depth M: 5.49
Year Completed: 2013
Well Completed Dt: 2013/02/26
Audit No: Z164460
Tag No: A141801
Contractor: 7241
Path: 719\7198881.pdf
Latitude: 45.3521216958441
Longitude: -75.8350586577307

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

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

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

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

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
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004809394
Layer: 3
Plug From: 1.2200000286102295
Plug To: 4.570000171661377
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004809392
Layer: 1
Plug From: 0.0
Plug To: 0.3100000023841858
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004809393
Layer: 2
Plug From: 0.3100000023841858
Plug To: 1.2200000286102295
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1004809391
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 1004809381
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004809387
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

Construction Record - Screen

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

Water Details

Water ID:	1004809386
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1004809385
Diameter:	8.25
Depth From:	0.0
Depth To:	4.570000171661377
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Links

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

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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:***	

Municipality: NEPEAN TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503804.pdf

Additional Detail(s) (Map)

Well Completed Date: 1956/05/29
Year Completed: 1956
Depth (m): 15.24
Latitude: 45.3527247481234
Longitude: -75.838749379464
Path: 150\1503804.pdf

Bore Hole Information

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:

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

Formation ID: 930997613
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:

Mat3 Desc:
Formation Top Depth: 16.0
Formation End Depth: 50.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961503804
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574417
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

Flowing: No

Water Details

Water ID: 933456791
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 40.0
Water Found Depth UOM: ft

Links

Bore Hole ID: 10025847
Depth M: 15.24
Year Completed: 1956
Well Completed Dt: 1956/05/29
Audit No:
Tag No:
Contractor: 4825
Path: 150\1503804.pdf
Latitude: 45.3527247481234
Longitude: -75.838749379464

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33 ***1 of 2*** ***NNE/173.5*** ***61.8 / -2.03*** ***Enbridge Gas Distribution Inc.*** ***SPL***
62 Loch Isle Road
Ottawa ON

Ref No: 8113-BDYKVF
Site No: NA
Incident Dt: 7/11/2019
Year:
Incident Cause:
Incident Event: Leak/Break
Contaminant Code: 35
Contaminant Name: NATURAL GAS (METHANE)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1: 1075
Environment Impact:
Nature of Impact:
Receiving Medium:
Receiving Env: Air
MOE Response: No
Dt MOE Arvl on Scn:
MOE Reported Dt: 7/11/2019
Dt Document Closed: 9/28/2019
Incident Reason: Operator/Human Error
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
Discharger Report:
Material Group:
Health/Env Conseq: 2 - Minor Environment
Client Type: Corporation
Sector Type: Miscellaneous Communal
Agency Involved:
Nearest Watercourse:
Site Address: 62 Loch Isle Road
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: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Source Type: Pipeline/Components

---

33 ***2 of 2*** ***NNE/173.5*** ***61.8 / -2.03*** ***ENBRIDGE GAS INC*** ***PINC***
62 LOCH ISLE RD,,NEPEAN,ON,K2H 8G8,CA
ON

Incident Id:
Incident No: 2631550
Incident Reported Dt: 7/11/2019
Type: FS-Pipeline Incident
Status Code:
Tank Status: Pipeline Damage Reason Est
Task No:
Pipe Material:
Fuel Category:
Health Impact:
Environment Impact:
Property Damage:
Service Interrupt:
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:	ENBRIDGE GAS INC		
Incident Address:	62 LOCH ISLE RD,,NEPEAN,ON,K2H 8G8,CA		
Operation Type:			
Pipeline Type:			
Regulator Type:			
Summary:			
Reported By:			
Affiliation:			
Occurrence Desc:			
Damage Reason:			
Notes:			

34 **1 of 1** **WNW/181.1** **61.0 / -2.91** **lot 12 con 1 ON** **WWIS**

Well ID:	1503794	**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:**	24-Apr-1962 00:00:00
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	4216
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\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

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:

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock

Materials Interval

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

Method of Construction & Well Use

Method Construction ID:	961503794
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10574407
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991503794
Pump Set At:	
Static Level:	20.0
Final Level After Pumping:	20.0

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

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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:**	

Material 3: ***Geologic Period:***
Material 4: ***Depositional Gen:***
Gsc Material Description:
Stratum Description: CLAY.

Geology Stratum ID: 218386785 ***Mat Consistency:***
Top Depth: 13.7 ***Material Moisture:***
Bottom Depth: 15.2 ***Material Texture:***
Material Color: ***Non Geo Mat Type:***
Material 1: Gravel ***Geologic Formation:***
Material 2: ***Geologic Group:***
Material 3: ***Geologic Period:***
Material 4: ***Depositional Gen:***
Gsc Material Description:
Stratum Description: GRAVEL.

Geology Stratum ID: 218386784 ***Mat Consistency:***
Top Depth: 6.1 ***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: 218386786 ***Mat Consistency:***
Top Depth: 15.2 ***Material Moisture:***
Bottom Depth: 27.4 ***Material Texture:***
Material Color: Grey ***Non Geo Mat Type:***
Material 1: Limestone ***Geologic Formation:***
Material 2: ***Geologic Group:***
Material 3: ***Geologic Period:***
Material 4: ***Depositional Gen:***
Gsc Material Description:
Stratum Description: LIMESTONE. 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: 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: 03378 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

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			**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 11:38:03 AM			**X:**	-75.839543
Previous Site Name:				**Y:**	45.351655
Lot/Building Size:					
Additional Info Ordered:					

37	1 of 2	W/185.5	64.2 / 0.33	1 Ullswater Drive Ottawa ON K2H 5H2	EHS

Order No:	20191128050			**Nearest Intersection:**	
Status:	C			**Municipality:**	
Report Type:	Site Report			**Client Prov/State:**	ON
Report Date:	29-NOV-19			**Search Radius (km):**	.001
Date Received:	28-NOV-19			**X:**	-75.839223
Previous Site Name:				**Y:**	45.351897
Lot/Building Size:					
Additional Info Ordered:					

37	2 of 2	W/185.5	64.2 / 0.33	1 Ullswater Drive Ottawa ON K2H 5H2	EHS

Order No:	20191128050			**Nearest Intersection:**	
Status:	C			**Municipality:**	
Report Type:	Site Report			**Client Prov/State:**	ON
Report Date:	29-NOV-19			**Search Radius (km):**	.001
Date Received:	28-NOV-19			**X:**	-75.839223
Previous Site Name:				**Y:**	45.351897
Lot/Building Size:					
Additional Info Ordered:					

38	1 of 1	ENE/186.2	62.9 / -0.97	lot 13 con 1 ON	WWIS

Well ID:	1503824			**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:**	19-May-1960 00:00:00
Water Type:				**Selected Flag:**	TRUE
Casing Material:				**Abandonment Rec:**	
Audit No:				**Contractor:**	3504
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\1503824.pdf

Additional Detail(s) (Map)

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
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 23-Mar-1960 00:00:00
Remarks:
Elevation:
Elevrc:
Zone: 18
East83: 434590.60
North83: 5022522.00
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
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

Use

Method Construction ID:	961503824
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10574437
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930044490
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	96.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930044489
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	55.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991503824
Pump Set At:	
Static Level:	19.0
Final Level After Pumping:	40.0
Recommended Pump Depth:	40.0
Pumping Rate:	6.0
Flowing Rate:	
Recommended Pump Rate:	6.0
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:	933456816
Layer:	1

Kind Code: 1
Kind: FRESH
Water Found Depth: 96.0
Water Found Depth UOM: ft

Links

Bore Hole ID: 10025867
Depth M: 29.2608
Year Completed: 1960
Well Completed Dt: 1960/03/23
Audit No:
Tag No:
Contractor: 3504
Path: 150\1503824.pdf
Latitude: 45.3531568924793
Longitude: -75.8350534561305

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39 | **1 of 2** | **E/192.2** | **64.7 / 0.85** | **1 Elterwater Ave Nepean ON K2H 5J1** | **EHS**

Order No: 21042200029
Status: C
Report Type: Standard Report
Report Date: 27-APR-21
Date Received: 22-APR-21
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:
Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.8344486
Y: 45.3517842

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39 | **2 of 2** | **E/192.2** | **64.7 / 0.85** | **1 Elterwater Ave Nepean ON K2H 5J1** | **EHS**

Order No: 21042200029
Status: C
Report Type: Standard Report
Report Date: 27-APR-21
Date Received: 22-APR-21
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:
Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.8344486
Y: 45.3517842

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40 | **1 of 1** | **E/193.7** | **64.7 / 0.85** | **Minto (2 Crystal Beach Drive) Ottawa ON** | **SPL**

Ref No: 2886-93YH6T
Site No:
Incident Dt: 15-JAN-13
Year:
Incident Cause: Leak/Break
Incident Event:
Contaminant Code: 13
Contaminant Name: HYDROCARBON LIGHT
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Confirmed
Nature of Impact: Groundwater Pollution; Soil Contamination
Receiving Medium:
Receiving Env:
MOE Response: No Field Response
Dt MOE Arvl on Scn:
MOE Reported Dt: 15-JAN-13
Dt Document Closed:
Incident Reason: Equipment Failure
Site Name: Ralph and Sons gas station (3420 Carling Ave)<UNOFFICIAL>
Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type: Tank - Underground
Agency Involved:
Nearest Watercourse:
Site Address: Minto (2 Crystal Beach Drive)
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: Land Spills
Source Type:

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

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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:

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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 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: 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:

DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	434500.60
Code OB Desc:		**North83:**	5022612.00
Open Hole:		**Org CS:**	
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:

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID: 961503809
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574422
Casing No: 1

Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930044458
Layer: 2
Material:
Open Hole or Material:
Depth From:
Depth To: 50.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930044459
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 154.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930044457
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 49.0
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: 991503809
Pump Set At:
Static Level: 12.0
Final Level After Pumping: 16.0
Recommended Pump Depth:
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID: 933456796

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

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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:

Depth To:	130.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

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

Results of Well Yield Testing

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

Water Details

Water ID:	933456811
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	130.0
Water Found Depth UOM:	ft

Links

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:		**Commer App. Type:**	
Date of Occurrence:	2012/10/11 00:00:00	**Indus App. Type:**	
Time of Occurrence:	NULL	**Institut App. Type:**	
Incident Created On:		**Venting Type:**	
Instance Creation Dt:		**Vent Conn Mater:**	
Instance Install Dt:		**Vent Chimney Mater:**	
Occur Insp Start Date:	2012/10/11 00:00:00	**Pipeline Type:**	
Approx Quant Rel:	unknwon	**Pipeline Involved:**	
Tank Capacity:		**Pipe Material:**	
Fuels Occur Type:	Leak	**Depth Ground Cover:**	
Fuel Type Involved:	Fuel Oil	**Regulator Location:**	
Enforcement Policy:	NULL	**Regulator Type:**	
Prc Escalation Req:	NULL	**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:	4076542	**Equipment Type:**	
Notes:		**Equipment Model:**	
Drainage System:	Unknown	**Serial No:**	
Sub Surface Contam.:		**Cylinder Capacity:**	
Aff Prop Use Water:	No	**Cylinder Cap Units:**	
Contam. Migrated:	No	**Cylinder Mat Type:**	
Contact Natural Env:	Unknown	**Near Body of Water:**	No

Incident Location: 6 Rocky Point Road, Ottawa - Discovery of Product
Occurence Narrative: Adandoned underground fuel oil tank discovered at a residence.
Operation Type Involved: Private Dwelling
Item:
Item Description:
Device Installed Location:

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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

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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:

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45 **3 of 5** **E/223.9** **64.6 / 0.69** **Enbridge Gas Distribution Inc.** **SPL**
4E Crystal Beach Drive
Ottawa ON

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 Scn:		**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		

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45 **4 of 5** **E/223.9** **64.6 / 0.69** **Minto Apartments Ltd.** **GEN**
4 Crystal BEach Drive
ottawa ON K2H 5M4

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:		**Pipe Material:**	
Incident No:	1495410	**Fuel Category:**	
Incident Reported Dt:	10/9/2014	**Health Impact:**	
Type:	FS-Pipeline Incident	**Environment Impact:**	
Status Code:		**Property Damage:**	
Tank Status:	Non Mandated	**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:	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:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
46	1 of 1	NNE/227.9	61.3 / -2.54	lot 13 con 1 ON	WWIS

Well ID:	1504678	**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:**	30-Nov-1965 00:00:00
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1603
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\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

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:

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

Method of Construction & Well Use

Method Construction ID:	961504678
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10575291
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

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

Water Details

Water ID:	933457984
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	130.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10026721	**Tag No:**	
Depth M:	41.4528	**Contractor:**	1603
Year Completed:	1965	**Path:**	150\1504678.pdf
Well Completed Dt:	1965/11/05	**Latitude:**	45.3540494621064
Audit No:		**Longitude:**	-75.8360879259011

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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:	

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48 | ***1 of 1*** | ***N/229.0*** | ***61.2 / -2.64*** | ***lot 12 con 1***
ON | ***WWIS***

Well ID:	1503801	**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:**	22-Oct-1953 00:00:00
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1802
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\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
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 02-Oct-1953 00:00:00
Remarks:
Elevation:
Elevrc:
Zone: 18
East83: 434455.60
North83: 5022632.00
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
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:

Formation Top Depth: 55.0
Formation End Depth: 92.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

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

Method of Construction & Well Use

Method Construction ID: 961503801
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID: 10574414
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

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

Construction Record - Casing

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

Results of Well Yield Testing

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

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

Damage Reason:
Notes:

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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		

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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 srvce dmgd; made safe		

Contaminant Qty: 0 other - see incident description

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50 | **1 of 1** | **SSE/240.7** | **64.9 / 1.00** | **IN FRONT OF ULLSWATER DRIVE 47/48 Ottawa ON** | **WWIS**

Well ID: 7263437
Construction Date:
Use 1st: Monitoring
Use 2nd:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z227923
Tag: A187187
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):

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 24-May-2016 00:00:00
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1844
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

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
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 16-Sep-2015 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: 434524.00
North83: 5022175.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1006113788
Layer: 2

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Annular Space/Abandonment Sealing Record

Plug ID:	1006113797
Layer:	1
Plug From:	1.0
Plug To:	2.799999952316284
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1006113796
Method Construction Code:	B
Method Construction:	Other Method
Other Method Construction:	HSA

Pipe Information

Pipe ID:	1006113786
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

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

Construction Record - Screen

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

Water Details

Water ID:	1006113792
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	2.299999952316284
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1006113791

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

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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 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:	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:			

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

Formation ID: 1006113717
Layer: 6

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

Overburden and Bedrock Materials Interval

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

Overburden and Bedrock Materials Interval

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

Annular Space/Abandonment Sealing Record

Plug ID:	1006113724
Layer:	1
Plug From:	1.0
Plug To:	5.599999904632568
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1006113723
Method Construction Code:	B
Method Construction:	Other Method
Other Method Construction:	HSA

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

52	***1 of 1***	***WSW/249.0***	***64.9 / 1.00***	***R.M. OF OTTAWA-CARLETON ELTERWATER AVE./ULLSWATER DR.***	***CA***

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 allownce)	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 allownce) 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
Crown Brief No:
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:
Location:
Region:
Ministry District:

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

Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)
Off Instrument Name:
Posted By:
Company Name: Taggart Construction Limited
Site Address:
Location Other:

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

Site Location 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:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: 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:

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

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:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: 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:

Site: ***City of Ottawa***
Carling Ave Ottawa ON K2G 6J8

Database: ***ECA***

Approval No:	3723-9ATJC6	***MOE District:***	
Approval Date:	2013-08-30	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	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:			

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	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	4/4/2019	***Health/Env Conseq:***	
Year:		***Client Type:***	Corporation

Incident Cause:		***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	Ottawa
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	Eastern
Environment Impact:		***Site Municipality:***	Ottawa
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	4/9/2019	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:		***Source Type:***	
Site Name:	1896 John Quinn rd, Metcalfe<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Mobile Crusher Relocation - 2019		
Contaminant Qty:			

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

Database: ***SPL***

Ref No:	4771-BW6QNN	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	12/10/2020	***Health/Env Conseq:***	2 - Minor Environment
Year:		***Client Type:***	Corporation
Incident Cause:		***Sector Type:***	Miscellaneous Communal
Incident Event:	Leak/Break	***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	HYDRAULIC OIL	***Site Address:***	Carling Ave
Contaminant Limit 1:		***Site District Office:***	Ottawa
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:	n/a	***Site Region:***	Eastern
Environment Impact:		***Site Municipality:***	Ottawa
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:	Land	***Northing:***	5023820
MOE Response:	No	***Easting:***	438710
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	12/10/2020	***Site Map Datum:***	
Dt Document Closed:	2/1/2021	***SAC Action Class:***	Land Spills
Incident Reason:	Operator/Human Error	***Source Type:***	Motor Vehicle
Site Name:	Lincoln Fields Bus Station<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Spill: 3L hydraulic oil to ground, clnd		
Contaminant Qty:	3 L		

Site: ***HOTEL/MOTEL***
CARLING AVENUE (N.O.S.) OTTAWA CITY ON

Database: ***SPL***

Ref No:	84065	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	4/14/1993	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	UNDERGROUND TANK LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	CONFIRMED	***Site Municipality:***	20101
Nature of Impact:	Soil contamination	***Site Lot:***	

Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	MCCR
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	4/14/1993	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	CORROSION	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	EMBASSY WEST HOTEL: FUEL-CONTAMINATED SOIL FOUND BY UNDERGROUND TANK		
Contaminant Qty:			

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

Database: ***SPL***

Ref No:	7466-BWBNCD	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	12/15/2020	***Health/Env Conseq:***	2 - Minor Environment
Year:		***Client Type:***	Corporation
Incident Cause:		***Sector Type:***	Miscellaneous Communal
Incident Event:	Leak/Break	***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	HYDRAULIC OIL	***Site Address:***	Spill site north of Carling Avenue
Contaminant Limit 1:		***Site District Office:***	Ottawa
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:	n/a	***Site Region:***	Eastern
Environment Impact:		***Site Municipality:***	Ottawa
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:	Land	***Northing:***	5023964
MOE Response:	No	***Easting:***	438776
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	12/15/2020	***Site Map Datum:***	
Dt Document Closed:	2/1/2021	***SAC Action Class:***	Land Spills
Incident Reason:	Equipment Failure	***Source Type:***	Valve/Fitting/Piping
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		

Site: ***MacEwen Petroleum Inc.***
Ottawa ON

Database: ***SPL***

Ref No:	8700-8QT5DV	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	23-JAN-12	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Overturn - Truck Or Trailer	***Sector Type:***	Tank Truck
Incident Event:		***Agency Involved:***	
Contaminant Code:	13	***Nearest Watercourse:***	
Contaminant Name:	FUEL (N.O.S.)	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Confirmed	***Site Municipality:***	Ottawa
Nature of Impact:	Soil Contamination	***Site Lot:***	
Receiving Medium:	Sewage - Municipal/Private and Commercial	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	Priority Field Response (ERP Callout)	***Easting:***	
Dt MOE Arvl on Scn:	23-JAN-12	***Site Geo Ref Accu:***	
MOE Reported Dt:	23-JAN-12	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Primary Assessment of Incident
Incident Reason:	Unknown - Reason not determined	***Source Type:***	
Site Name:	Leitram and Hawthorne <UNOFFICIAL>		
Site County/District:			

Site Geo Ref Meth:
Incident Summary: MacEwen Fuels <54000L on board tanker in ditch, spill cont.
Contaminant Qty:

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:		***Northing:***	
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 TRANSPO: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:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	21-Feb-1996 00:00:00
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	135092	***Contractor:***	6629
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	
Depth to Bedrock:		***Concession:***	01
Well Depth:		***Concession Name:***	RF
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	10050391	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	27-Jun-1995 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
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:			

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:
Zone: 18
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	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:		***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:		***Date Received:***	09-Jan-1989 00:00:00
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	39047	***Contractor:***	5222
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	012
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

Bore Hole Information

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

Cluster Kind:
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 Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: OTTAWA CITY
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 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	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	
Date Completed:	10-May-2005 00:00:00	***UTMRC Desc:***	
Remarks:		***Location Method:***	na
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:			

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: ***Database:***
lot 12 ON ***WWIS***

Well ID:	1520054	***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:***	02-Oct-1985 00:00:00
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	1505
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	012
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	10041904	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***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 or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 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 in a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: 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*

Pesticide Register: Provincial PES

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

Government Publication Date: Oct 2011- Sep 30, 2022

Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2021

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994 - Oct 31, 2022

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-1990, 1992-2019

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.
RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Oct 2022

Retail Fuel Storage Tanks: Private RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

Government Publication Date: 1999-May 31, 2022

Scott's Manufacturing Directory: Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

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

Government Publication Date: 1988-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

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.
Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Oct 2011- 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)

paterson group
solution oriented engineering

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 (INCAC),** 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.