Geotechnical Engineering

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Materials Testing

Building Science

Archaeological Services

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Phase I Environmental Site Assessment

708, 720 and 750 River Road Ottawa, Ontario

Prepared For

Riverside South Development Corporation

Paterson Group Inc.

Consulting Engineers 154 Colonnade Road South Ottawa (Nepean), Ontario Canada K2E 7J5

Tel: (613) 226-7381 Fax: (613) 226-6344 www.patersongroup.ca January 26, 2021

Report: PE5111-1



TABLE OF CONTENTS

EXEC	CUTIV	E SUMMARY	i
1.0	INTR	ODUCTION	1
2.0	PHAS	SE I PROPERTY INFORMATION	1
3.0	SCO	PE OF INVESTIGATION	2
4.0	REC	ORDS REVIEW	3
	4.1	General	3
	4.2	Environmental Source Information	4
	4.3	Physical Setting Sources	8
5.0	INTE	RVIEWS	11
6.0	SITE	RECONNAISSANCE	
	6.1	General Requirements	11
	6.2	Specific Observations at Phase I Property	11
7.0	REVI	EW AND EVALUATION OF INFORMATION	14
	7.1	Land Use History	14
		Conceptual Site Model	
8.0		CLUSIONS	
9.0		EMENT OF LIMITATIONS	
10.0	REFE	ERENCES	19
Figure		ures Cey Plan	

Figure 2 - Topographic Map

Drawing PE5111-1 – Site Plan

Drawing PE5111-2 – Surrounding Land Use Plan

List of Appendices

Appendix 1 Survey Plan

Aerial Photographs Site Photographs

Appendix 2 MECP Freedom of Information Request

ERIS Report

TSSA Correspondence MECP Well Records

Appendix 3 Qualifications of Assessors



EXECUTIVE SUMMARY

Paterson Group was retained by Riverside South Development Corporation to conduct a Phase I Environmental Site Assessment (ESA) for 708, 720 and 750 River Road, in the City of Ottawa, Ontario. The purpose of this Phase I-Environmental Site Assessment (Phase I-ESA) was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject properties.

The subject properties are primarily vacant undeveloped land with the exception of the following: a temporary single storey sales centre on 708 River Road, a residential dwelling present on 720 River Road and a storm water management pond developed on 750 River Road. Aside from these identified structures the majority of the subject properties are vacant land.

Based on historical research, surrounding properties historically consisted of agricultural homestead use. Some Potentially Contaminating Activities (PCAs) were identified during the historical research to the northeast and to the west across the Rideau River on Lodge Road. The identified PCAs include a retail fuel outlet, waste generator summaries of waste oils and light fuels, and a furnace oil UST spill. Based on their distances and/or cross-gradient locations from the subject properties, these PCAs are not considered to represent Areas of Potential Environmental Concern on the subject properties.

Following the historical research, a site visit was conducted to assess the subject site and Phase I ESA study area. With the exception of the temporary sales centre, residential structures and the storm water management pond, the subject properties were vacant and undeveloped. The site visit did not identify any additional PCAs for the subject property.

Conclusion

Based on the results of the Phase I - Environmental Site Assessment, it is our opinion that a Phase II - Environmental Site Assessment is not required for the subject site.



1.0 INTRODUCTION

At the request of Riverside South Development Corporation, Paterson Group (Paterson) conducted a Phase I Environmental Site Assessment (Phase I ESA) of 708, 720 and 750 River Road, herein referred to as the subject properties, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the subject properties and study area and to identify any environmental concerns with the potential to have impacted the subject properties.

Paterson was engaged to conduct this Phase I ESA by Mr. Marcel Denomme of Urbandale Corporation. Mr. Denomme can be reached by telephone at (613) 731-6712.

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

This Phase I-ESA report has been prepared in general accordance with the requirements of Ontario Regulation 153/04 as amended by O.Reg. 269/11 (Environmental Protection Act), and also complies with the requirements of CSA Z768-01. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I - ESA are based on a review of readily available geological, historical and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial and federal agencies and was limited within the scope-of-work, time and budget of the project herein.

2.0 PHASE I PROPERTY INFORMATION

Address: 708, 720 and 750 River Road, Ottawa, Ontario.

Legal Description: Part of Lot 20, 21 and 22, Concession D, City of

Ottawa, Ontario.

Location: The subject site is located on the west side of River

Road, just south of Earl Armstrong Road Ottawa

Ontario.

Latitude and Longitude: 45° 15′ 51.9″ N, 75° 42′ 8.0″ W



Site Description:

Configuration: Rectangular

Site Area: 222,593 m² (approximately)

Zoning: DR – Development Reserve Zone

Current Use: 708 River Road is currently vacant, 720 River Road is

currently occupied with a single residential dwelling and 750 River Road is currently vacant with the

exception of a storm water management pond.

Services: The subject properties are situated in an area with

municipal water and sewer services.

3.0 SCOPE OF INVESTIGATION

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

Determine the historical activities on the subject site and study area by conducting a review of readily available records, reports, photographs, plans, mapping, databases and regulatory agencies;
Investigate the existing conditions present at the subject site and study area by conducting site reconnaissance;
Conduct interviews with persons knowledgeable of current and historic operations on the subject property, and if warranted, neighbouring properties;
Present the results of our findings in a comprehensive report in general accordance with the requirements of Ontario Regulation 269/11 amending O.Reg. 153/04 made under the Environmental Protection Act and in compliance with the requirements of CSA Z768-01;
Provide a preliminary environmental site evaluation based on our findings;
Provide preliminary remediation recommendations and further investigative

work if contamination is suspected or encountered.



4.0 RECORDS REVIEW

4.1 General

Phase I-ESA Study Area Determination

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

First Developed Use Determination

The exact date(s) of development for the subject properties are not known. However, based on the review of available aerial photographs, the first use was determined to be for agricultural homesteads. The earliest available aerial photographs from 1956, indicate that the subject properties and neighbouring lands were vacant or used for agricultural homesteads.

Fire Insurance Plans

Fire insurance plans (FIPs) are not available for the area of the subject properties.

City of Ottawa Street Directories

City directories are not available for the area of the subject properties.

Plan of Survey

A drafted plan of survey completed by Annis, O'Sullivan, Vollebekk Ltd. was obtained. The plan of survey was not dated or signed, however, the subject properties are shown in their current configuration. The plan of survey is attached in Appendix 1.

Chain of Title

Based on the review of historical aerial photographs, it has been determined that the subject properties were initially developed for agricultural and residential use. As the properties are currently either vacant or used for residential use, it was determined that the information provided in a chain of title search would not contribute to the environmental assessment for the subject properties. Therefore, a chain of title search was not completed as part of this assessment.

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on January 20, 2021. The subject site was not listed in the NPRI database. No records of pollutant release were listed in the database for properties located within the Phase I Study Area.

PCB Inventory

A search of national PCB waste storage sites was conducted electronically on January 20, 2021 as part of this assessment. No PCB waste storage sites were identified in the Phase I study area.

Ontario Ministry of Environment, Conservation and Parks (MECP) Instruments

A request was submitted to the MECP Freedom of Information 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 had not been received prior to the issuance of this report.

MECP Coal Gasification Plant Inventory

The Ontario Ministry of Environment document titled "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed to reference the locations of former plants with respect to the site. No coal gasification plants were identified within the Phase I study area.

MECP Incident Reports

A request was submitted to the MECP Freedom of Information office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspections maintained by the MECP for the subject site or adjacent properties A response from the MECP had not been received prior to the issuance of this report.

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 subject properties.



One (1) Record of Site Condition (RSC) was filed for 680 River Road in February 2018 (Registration Number 224273), approximately 100 metres north of the subject properties. The RSC details no remediation was necessary as no contaminants of potential concern were identified in concentrations above the applicable MECP Standards.

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. No former waste disposal sites were identified within the Phase I study area.

MECP Waste Management Records

A request was submitted to the MECP Freedom of Information office for information with respect to waste management records. A response from the MECP had not been received prior to the issuance of this report.

MECP Submissions

A request was submitted to the MECP Freedom of Information office for information with respect to reports related to environmental conditions. A response from the MECP had not been received prior to the issuance of this report.

Areas of Natural Significance

A search for areas of natural significance and features within the Phase I study area was conducted on the web site of the Ontario Ministry of Natural Resources (MNR) on January 20, 2021. The search did not reveal any natural features or areas of natural significance within the Phase I study area.

Technical Standards and Safety Authority (TSSA)

The TSSA Fuels Safety Branch was contacted electronically on November 3, 2020. The response indicated that there are no underground storage tanks recorded in the TSSA registry for the subject property or surrounding properties.

City of Ottawa Landfill Document

The document entitled "Old Landfill Management Strategy, Phase I – Identification of Sites, City of Ottawa", was reviewed. No former waste disposal sites were located within the Phase I study area.

City of Ottawa Historical Land Use Inventory

A new request of information from the City's Historical Land Use Inventory (HLUI 2005) database for the subject properties was not completed. Based on the historical review of previous engineering reports, this request was already completed in 2014. Upon review of the response from the City's HLUI database, no potentially contaminating activities were identified on the subject or adjacent properties.

ERIS Search

A database report, prepared by ERIS (Environmental Risk Information Service) dated January 21, 2021 was acquired and reviewed as part of this assessment. The complete ERIS report has been included in appendix 2.

On-Site Records:

The ERIS report identified sixteen (16) records associated with various on-site activities. The on-site activities include: nine (9) well water information system records, four (4) borehole records and three (3) environmental compliance approval records. These activity records were not deemed to be pertinent environmental documentations that represents an environmental risk to the subject properties.

Off-Site Records:

The ERIS report identified various environmental records within 250m of the subject property. The pertinent environmental records identified from the nearby properties include one (1) abandoned mining information system record, four (4) fuel storage tank records, twelve (12) waste generator summaries, three (3) pipe line incident records, one (1) record of site condition and four (4) Ontario spill records. The content of these pertinent environmental records are detailed below.

The abandoned mining information system record was filed for the Pridmore Thos Quarry located on the adjacent property north of 708 River Road. The record was details that 3 metres of unidentified limestone quarry sections were present. No additional information is provided. The property associated with this record is occupied by the Vimy Memorial Bridge of Strandherd Drive, which completed construction in 2014. Based on the proximity of the bridge and the reviewed aerial photographs, it is believed that this record is associated with the construction activities for the Vimy Memorial Bridge and is not considered a potentially contaminating activity (PCA) to the subject properties.



All four (4) fuel storage tank records are associated with the MacEwen gas station located at 685 River Road, located approximately 135 metres northeast of the subject properties. The records indicate that three (3) double walled steel tanks were installed in 2008 as part of a self-serve gas station. Two (2) of these tanks are noted to be on 25,000 Litre capacity while the third is a 50,000 Litre capacity storage tank. The MacEwen gas station is considered a PCA, however, based on the separation distance from the subject properties, it does not represent an area of potential environmental concern (APEC) to the subject properties.

Two (2) of the identified waste generator summaries are associated with a pharmacy located at 647 Earl Armstrong Road, approximately 200 metres northeast of the subject properties. The records indicate the pharmacy is a generator of pharmaceutical and pathological waste. Based on the separation distance, this activity is not considered and PCA.

Ten (10) of the identified waste generator summaries are associated with the retirement residence located at 55 Lodge Road, located approximately 200 metres west, across the Rideau River. The retirement residence was recorded to be a generator of various wastes that include: waste oils/sludges, waste compressed gasses, waste organic chemicals, acid solutions and light fuels. Based on these waste generator summaries, the retirement residence is considered a PCA, however, based on the separation distance it does not represent an APEC to the subject properties.

All (3) pipeline incident records were associated with natural gas lines constructed within the residential development on the east side of River Road. Based on the reviewed incident records, these activities are not considered PCAs.

The record of site condition identified in the report is associated with the property previously identified in the MECP Brownfields Environmental Site Registry. As stated in Section 4.2, this RSC is not considered to be a PCA.

One (1) Ontario spill record was associated with a Miller Waste Systems Inc. incident in 2018. It was report that approximately 100 Litres of hydraulic oil were spilled on Ardmore Street, approximately 300 metres east of the subject properties. Based on the separation distance, this activity is not considered an PCA.

One (1) Ontario spill record was associated with an Enbridge Energy Distribution incident in 2018. It was reported that a natural gas line was struck and discharged natural gas to the air, located at 405 Golden Springs Street. Based on the airborne release of natural gas and the separation distance of approximately 350 metres east, this activity is not considered a PCA.



One (1) Ontario spill record was associated with a City of Ottawa incident in 2018. It was reported that 5 Litres of coolant leaked from an OC Transport truck. The spill occurred at the intersection of River Road and Earl Armstrong, approximately 100 metres northeast of the subject properties. Based on the limited quantity of coolant and the separation distance, this activity is not considered to be a PCA.

The final Ontario spill record was associated with a residential property located at 18 Lodge Road, approximately 200 metres west of the subject properties. It was recorded in 1994 that an underground fuel storage tank had leaked furnace oil on the property due to corrosion. It was estimated that 600 -700 litres of furnace oil had been discharged to the ground. Based on the quantity and pathway of release, this activity is considered a PCA, however, based on the separation distance it does not represent an APEC to the subject properties.

A copy of the ERIS report is included in Appendix 2.

Previous Environmental Reports

The following report was reviewed as part of the Phase I ESA:

☐ "Combined Phase One Environmental Site Assessment, Riverside South Phase 12, 708 and 750 River Road, Ottawa, Ontario", prepared by Golder Associates Ltd., dated September, 2019.

The report notes the two (2) parcels of land are undeveloped land with no buildings or structures at the time of the assessment. The assessment identified one (1) off-site PCA located 150 metres from the site. The identified PCA is the gas station located at 685 River Road. Base on the cross-gradient location to the Phase I properties, it was determined that the PCA does not represent an APEC. Based on the findings of the 2019 Phase I ESA, a Phase II ESA was not required.

4.3 Physical Setting Sources

Aerial Photographs

Historical air photos from the National Air Photo Library were reviewed in approximate ten (10) year intervals. The review period dates back to the first available air photos for the site. Based on the review, the following observations have been made:

1956

The subject properties appear primarily vacant land or pastures.
Residential structures are present on the 708 and 720 River Road
properties. A residential structure is also present on the 750 River
Road property. Surrounding lands to the north, east and south
appear to be used for agricultural and residential use.

- To the west, across the Rideau River, an institutional building has been constructed. The subject properties and neighbouring lands remain unchanged with the exception of a former high school building constructed to the north and residential homesteads on the agricultural lands to the east.
- No significant changes appear to have been made to the subject or neighbouring properties.
- The residential structures on 708 and 750 River Road have been demolished while 720 River Road remains unchanged. The 708 and 750 River Road properties are now vacant. No significant changes appear to have been made neighbouring properties.
- Further residential development has been constructed west of the Rideau River. Earl Armstrong Road is now intersecting with River Road to the northeast of the subject properties. Commercial development has been constructed northeast of the intersection. The institutional building to the north has been demolished. The subject properties remain unchanged.
- The Vimy Memorial Bridge crossing the Rideau River has been constructed to the north. Residential development has been constructed to the east. 708 River Road remains vacant with the exception of a sales centre constructed at the northern road entrance. 720 River Road has remained unchanged. 750 River Road has been developed into a storm water management pond while the remaining land is vacant.

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



Topographic Maps

Topographic information was obtained from the City of Ottawa "Geo Ottawa" website and Natural Resources Canada – The Atlas of Canada website. The topographic maps indicate that the elevation of the subject site is approximately 80 to 90 m ASL, and that the regional topography in the general area of the site slopes downward to the west towards the Rideau River. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

Geological Maps

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on this information, bedrock beneath the site area consists of Paleozoic interbedded sandstone and dolomite of the March Formation. Surficial soils consist of offshore marine sediments (clay and silt), with a drift thickness of 10 to 25 metres.

MECP Water Well Records

Seventy (70) well records were recovered within the 250 metre radius of the subject properties. Seven (6) well records associated with domestic wells and one (1) well abandonment record on the subject properties were identified. The strata for the nearby wells generally consists of clay and gravel to a bedrock depth of approximately 18 meters.

The well records identified within the Phase I Study area consisted of potable wells, abandonment records and monitoring wells. It was noted that the majority of the monitoring wells were located off-site and within the vicinity of the MacEwen gas station at 685 Rive Road. A copy of the water well records within the Phase I study area is included in the ERIS report included in Appendix 2 of this report.

Water Bodies and Areas of Natural Significance

The Rideau River is the nearest body of water, located immediately west of the subject properties. No creeks, rivers, streams, lakes or other water bodies were identified in the Phase I study area with the exception of the Jock River to the southwest. No areas of natural significance are known to exist within the Phase I study area.

5.0 INTERVIEWS

The client is the property owner of 708 and 750 River Road and is not aware of any environmental concerns with the subject property or surrounding properties in the Phase I study area. The property owner of 720 River Road, Mrs. Danielle Labonte, was available to provide access to the residential dwelling and to respond to interview questions. Mrs. Labonte was unaware of any former or current activities that could have had the potential to impact the property.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

The site assessment was conducted on November 19, 2020. Weather conditions consisted cloudy conditions, with a temperature of approximately -3°C. Mr. Mark St Pierre from the Environmental Department of Paterson Group conducted the site visit. In addition to the site, the uses of neighbouring properties within the Phase I study area were also assessed at the time of the site visit.

6.2 Specific Observations at Phase I Property

Buildings and Structures

The site visit conducted at 708 River Road noted that no buildings or structures were present with the exception of a single storey sales centre for new homes. The structure was a temporary wood framed structure with a gravel parking lot accessible from River Road.

The site visit conducted at 720 River Road identified a single storey residential dwelling with a walk out basement. The property was also occupied with a small slab on grade shed used to store lawn care equipment and a two-storey slab on grade workshop. A general description of the interior of the residential structure is as follow:

J	Floor finishes consisted of a combination of hardwood floor, ceramic tile and
	concrete.
J	Wall finishes consisted of drywall and wood paneling.
J	Ceilings were finished with drywall and suspended ceiling tiles.
J	Lighting throughout the structure is provided by incandescent and
	fluorescent bulbs.



The site visit conducted at 750 River Road noted that no buildings or structures were present on the property. A portion of a storm water management pond occupies the central portion of the property. Aside from these ponds no other structures are present on the property.

Site Features

The subject properties are primarily vacant with the exception 720 River Road. All three (3) properties consist of large grassed and treed areas. Accessible roadways from River Road consist of gravel. The subject properties are at grade with River Road and slope down toward the Rideau River to the west. Site drainage consists of natural runoff and infiltration into the ground surface of the site.

Below Ground Structures or Utilities

At 708 River Road, no below ground structures or buried utilities were identified at the time of the site visit; none are expected to be present since this property has never been developed.

At 720 River Road, the residential dwelling is situated on a slope providing a walkout basement level. Buried utilities identified consisted of a private septic system, private well water and a natural gas line extending the length of the gravel laneway from River Road.

At 750 River Road, no below ground structures or buried utilities were identified with the exception of the storm water management pond.

Fuels and Chemical Storage

No aboveground storage tanks (ASTs) or signs indicating the presence of underground storage tanks (USTs) were observed on the properties at the time of the assessment. No other chemicals were observed at the subject properties with the exception of commercially available domestic products stored in the wood shed on 720 River Road.

Wastewater Discharge

Wastewater from 720 River Road is discharged to the private septic system and consists of washwater and sewage. No concerns were noted with respect to waste water discharge.

Waste Management

Solid, non-hazardous domestic waste and recyclable products are collected by the municipality on a weekly basis from 720 River Road. No waste is generated on 708 or 750 River Road. No concerns were identified with respect to waste management practices on the subject properties.

Hazardous Materials and Unidentified Substances

No hazardous materials, unidentified substances, surficial staining, abnormal odours, or indications of potential sub-surface contamination were observed on the subject properties at the time of the site visit.

Based on the age of the residential dwelling on 720 River Road, asbestoscontaining building materials (ACMs) may be present on-site in observed drywall joint compound and ceiling tiles. The observed painted areas, floors and ceilings in the building were generally in good report. The potential ACMs are considered to be in good condition and do not pose immediate concern to the building occupants.

Based on the age of the dwelling, lead-based paints may be present on any original or older painted surfaces. The potential presence of lead-based paint is not considered to pose an immediate concern.

Urea formaldehyde foam insulation (UFFI) was not observed during the site visit; however, wall cavities were not inspected for insulation type.

Potential sources of ODSs observed on-site include fridges, freezers, air conditioners and fire extinguishers. These appliances appeared to be in good condition at the time of the site visit.

Transformer Oil and Polychlorinated Biphenyls (PCBs)

No transformers or other sources of PCBs were observed at the time of the site visit.

Potable Wells

One (1) potable well was observed on-site at 720 River Road. Although the study area is municipally serviced, the neighbouring residential properties to the north and south are presumable still serviced by active private potable wells.



Monitoring Wells

No monitoring wells were identified on the subject properties during the site visit. As noted previously, several monitoring wells have been installed within the study area to the northeast, though these were not observed during the site visit.

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	Residential dwelling, followed by the Vimy Memorial Bridge;
□ South	Partially vacant land with the remaining portion of the stormwater management pond followed by residential dwellings;
⊒ East	River Road, followed by residential dwellings;
■ West	The Rideau River, followed by Lodge Road.

Potentially Contaminating Activities in the Phase I study area were not observed at the time of the site reconnaissance with the exception of the MacEwen Gas station located at 685 River Road.

Property use within the Phase I study area is shown on Drawing PE5111-2 - 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 site as well as associated potentially contaminating activities dating back to the first developed use of the site.

Table 1 - Land Use History					
Time Period	Land Use	Potentially Contaminating Activities	Areas of Potential Environmental Concern		
708 River Road					
1956 to 1991	Agricultural homestead	None	None		
1991 to 2019	Vacant	None	None		



Table 1 (Continued) - Land Use History					
720 River Road					
1956 to 1976	Agricultural homestead	None	None		
1976 to 2019	Residential	None	None		
750 River Road					
1956 to 1991	Agricultural homestead	None	None		
1991 to 2019	Vacant	None	None		

Potentially Contaminating Activities (PCAs)

No potentially contaminating activities (PCAs) have been identified on the subject properties. Three (3) PCAs were identified in the Phase I study area, including a retail fuel outlet to the northeast at 685 River Road, a retirement residence recorded as a generator of waste oils/sludges and light fuels west of the Rideau River at 55 Lodge Road and a furnace oil UST spill west of the Rideau River at 18 Lodge Road. Locations of the identified PCAs within the Phase I study area are shown on Drawing PE5111-2 - Surrounding Land Use Plan

Areas of Potential Environmental Concern (APEC)

Due to the downgradient position and/or separation distance from the subject properties, these PCAs are not considered to represent APECs. No Areas of Potential Environmental Concern were noted on the subject site.

Contaminants of Potential Concern (CPC)

No contaminants of potential concern were identified, since no APECs were identified on the subject site.

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

Based on information from the Geological Survey of Canada, bedrock beneath the site area consists of Paleozoic interbedded sandstone and dolomite of the March Formation. Surficial soils consist of offshore marine sediments (clay and silt), with a drift thickness of 10 to 25 metres.

Hydrogeological conditions are considered to mimic the topographic setting; as a result, groundwater is expected to flow northwest towards the Rideau River.



Contaminants of Potential Concern

As per Section 7.1 of this report, no CPCs were identified on the subject site.

Existing Buildings and Structures

A single storey temporary sales centre with a gravel parking lot is present on 708 River Road. A single storey dwelling with a walk out basement is present on 720 River Road in addition to a two-storey workshop and a small wooden shed. A storm water management pond is present on 750 River Road.

Water Bodies

The nearest body of water is the Rideau River, located immediately west of the subject properties.

Areas of Natural Significance

No areas of natural significance were identified on the site or in the Phase I area.

Drinking Water Wells

Based on the results of the well record search, drinking water wells are present on the subject property and within the Phase I study area.

Neighbouring Land Use

Neighbouring land use in the Phase I study area consists of residential and vacant lands. Land use is shown on Drawing PE5111-2-Surrounding Land Use Plan.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1 of this report, no PCAs were identified on the subject property. Three (3) PCAs were identified in the Phase I study area, including a retail fuel outlet to the northeast at 685 River Road, a retirement residence recorded as a generator of waste oils/sludges and light fuels west of the Rideau River at 55 Lodge Road and a furnace oil UST spill west of the Rideau River at 18 Lodge Road. Based on the downgradient position and separation distance from the subject property, these PCAs are not considered to represent APECs on the subject property.



Assessment of Uncertainty and/or Absence of Information

The PCAs within the Phase I study area were confirmed by a variety of independent sources. 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

Assessment

Paterson Group was retained by Riverside South Development Corporation to conduct a Phase I Environmental Site Assessment (ESA) for 708, 720 and 750 River Road, in the City of Ottawa, Ontario. The purpose of this Phase I-Environmental Site Assessment (Phase I-ESA) was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject properties.

The subject properties are primarily vacant undeveloped land with the exception of the following: a temporary single storey sales centre on 708 River Road, a residential dwelling present on 720 River Road and a storm water management pond developed on 750 River Road. Aside from these identified structures the majority of the subject properties are vacant land.

Based on historical research, surrounding properties historically consisted of agricultural homestead use. Some Potentially Contaminating Activities (PCAs) were identified during the historical research to the northeast and to the west across the Rideau River on Lodge Road. The identified PCAs include a retail fuel outlet, waste generator summaries of waste oils and light fuels, and a furnace oil UST spill. Based on their distances and/or cross-gradient locations from the subject properties, these PCAs are not considered to represent Areas of Potential Environmental Concern on the subject properties.

Following the historical research, a site visit was conducted to assess the subject site and Phase I ESA study area. With the exception of the temporary sales centre, residential structures and the storm water management pond, the subject properties were vacant and undeveloped. The site visit did not identify any additional PCAs for the subject property.



Conclusion

Based on the results of the Phase I - Environmental Site Assessment, it is our opinion that a Phase II - Environmental Site Assessment is not required for the subject site.

9.0 STATEMENT OF LIMITATIONS

This Phase I - Environmental Site Assessment report has been prepared in general accordance with O.Reg. 153/04 as amended by O.Reg. 269/11 and meets the requirements of CSA Z768-01. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I - ESA are based on a review of readily available geological, historical and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial and federal agencies and was limited within the scope-of-work, time and budget of the project herein.

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

This report was prepared for the sole use of Riverside South Development Corporation. Permission and notification from the above noted party and Paterson will be required to release this report to any other party.

Paterson Group Inc.

Mark St Pierre, B. Eng.

Mark S. D'Arcy, P.Eng., Q.P.ESA

Report Distribution:

☐ Riverside South Development Corporation

□ 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.

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.

MNRF Areas of Natural Significance.

MECP Water Well Inventory.

Chapman, L.J., and Putnam, D.F., 1984: 'The Physiography of Southern Ontario, Third Edition', Ontario Geological Survey Special Volume 2.

Municipal Records

City of Ottawa Document "Old Landfill Management Strategy, Phase I - Identification of Sites.", prepared by Golder Associates, 2004.

Intera Technologies Limited Report "Mapping and Assessment of Former Industrial Sites, City of Ottawa", 1988.

The City of Ottawa GeoOttawa website.

Local Information Sources

ERIS Environmental Risk Information Services
Previous Engineering Reports
Personal Interviews

Public Information Sources

Google Earth.

Google Maps/Street View.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE5111-1 - SITE PLAN

DRAWING PE5111-2 - SURROUNDING LAND USE PLAN

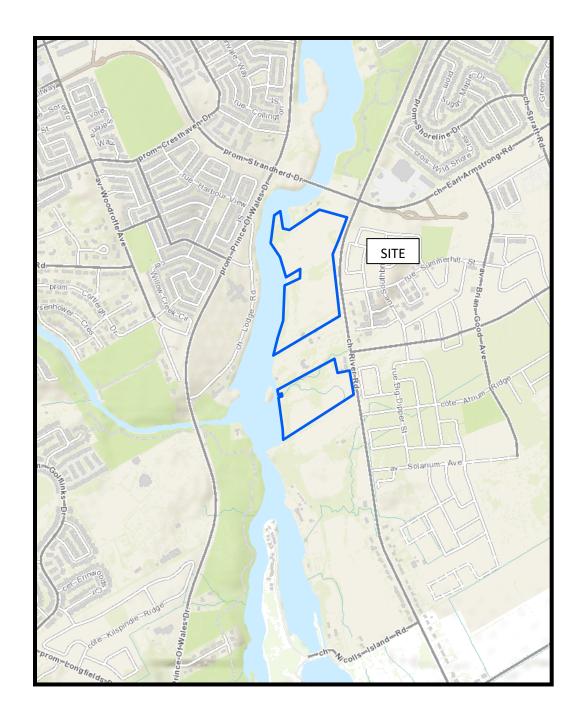


FIGURE 1 KEY PLAN

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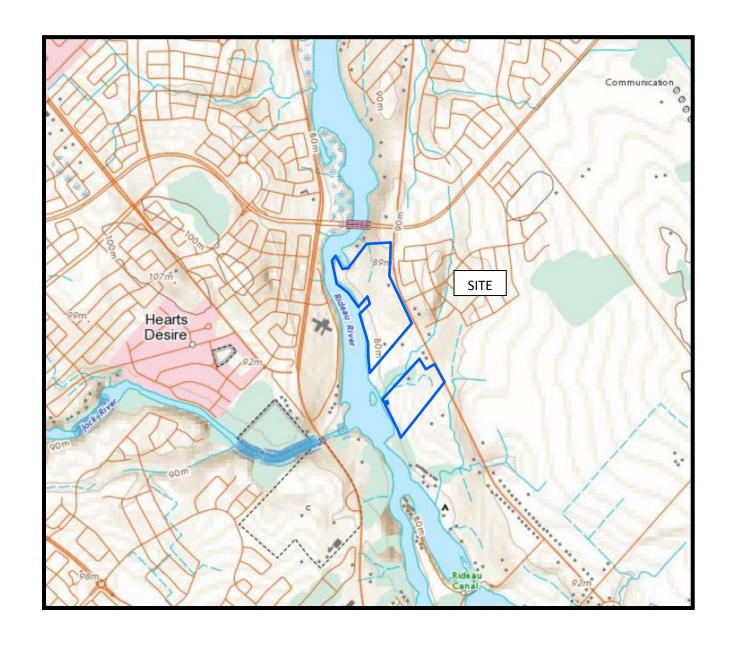
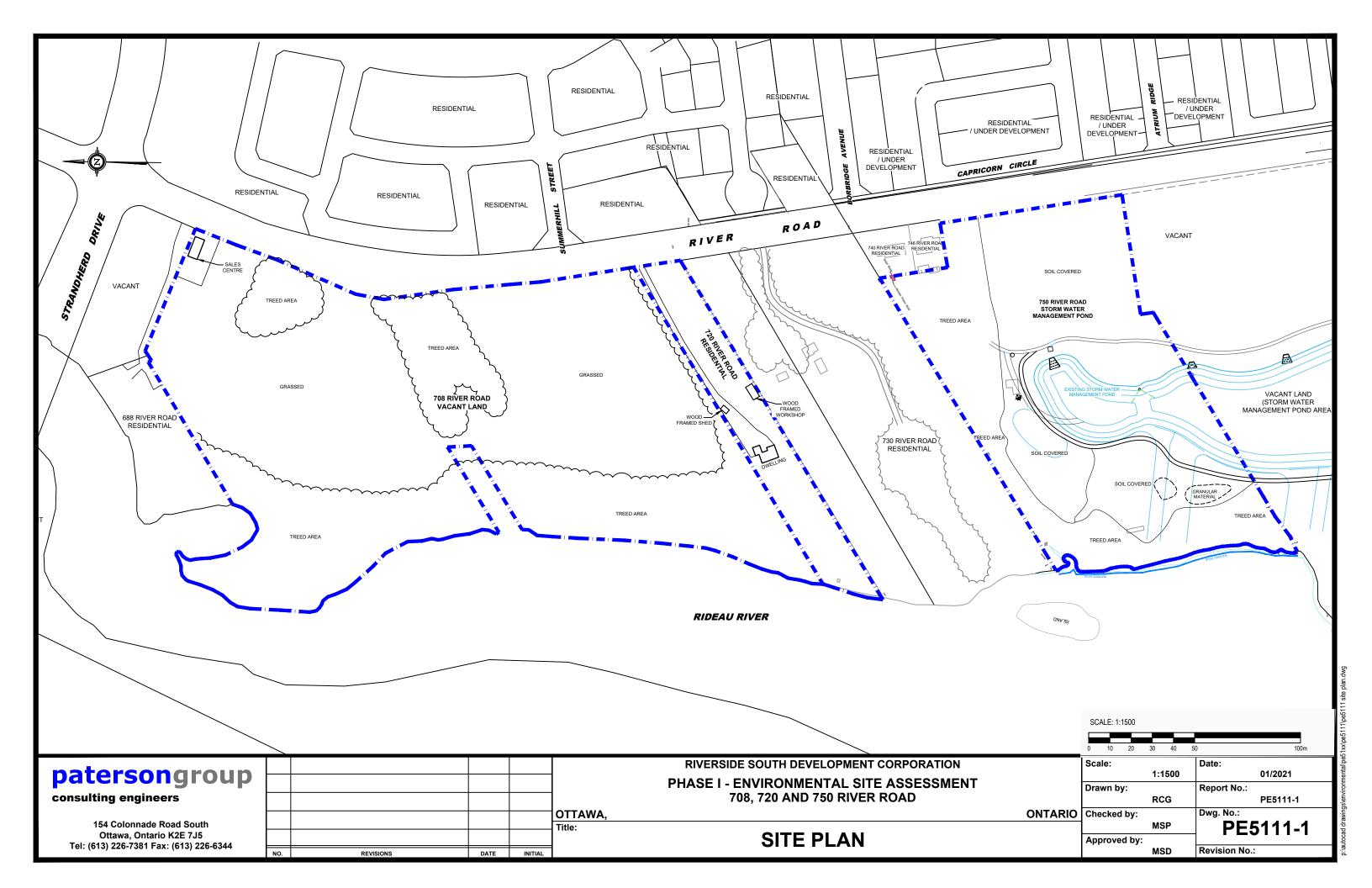
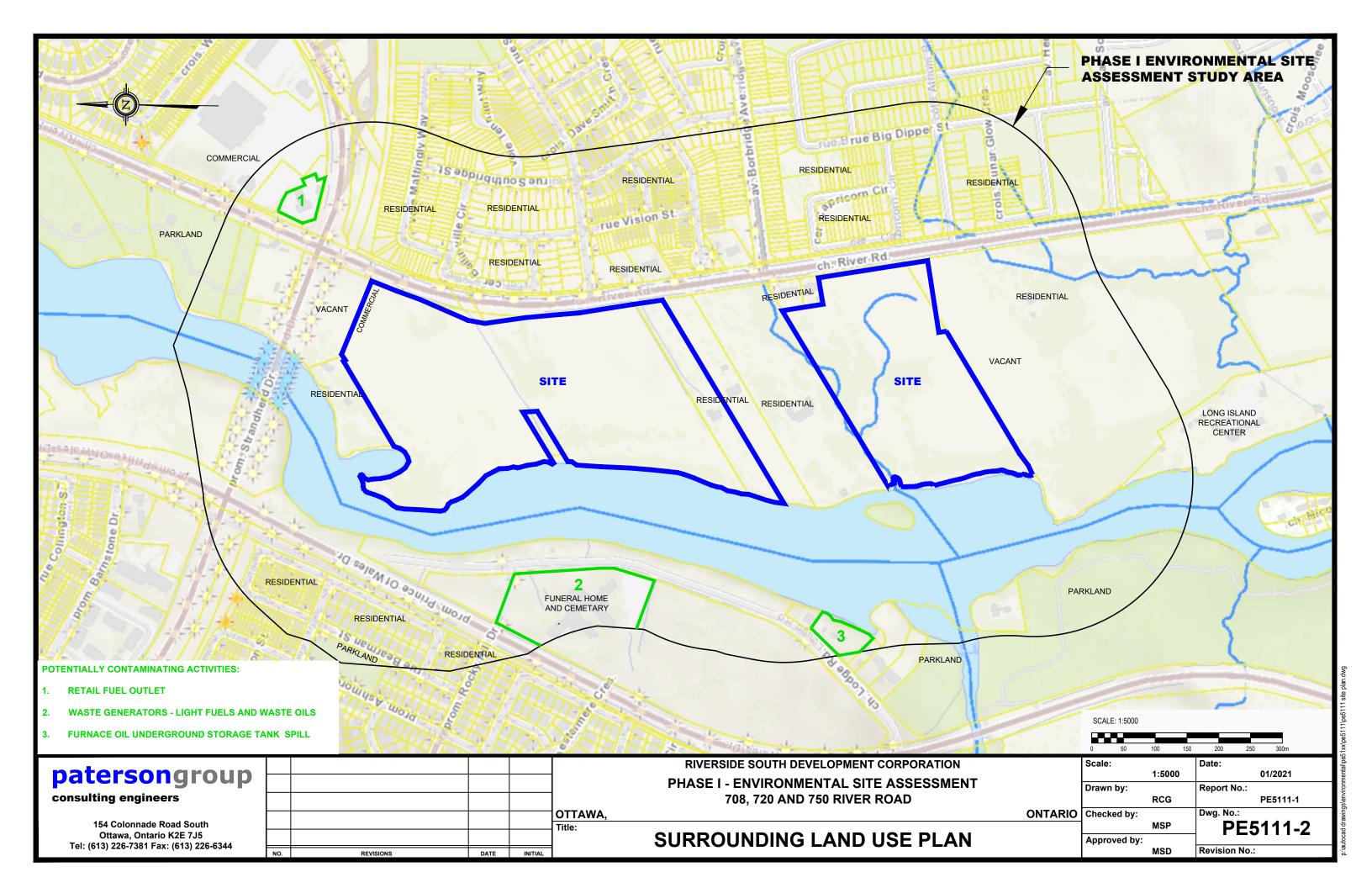


FIGURE 2 TOPOGRAPHIC MAP

patersongroup



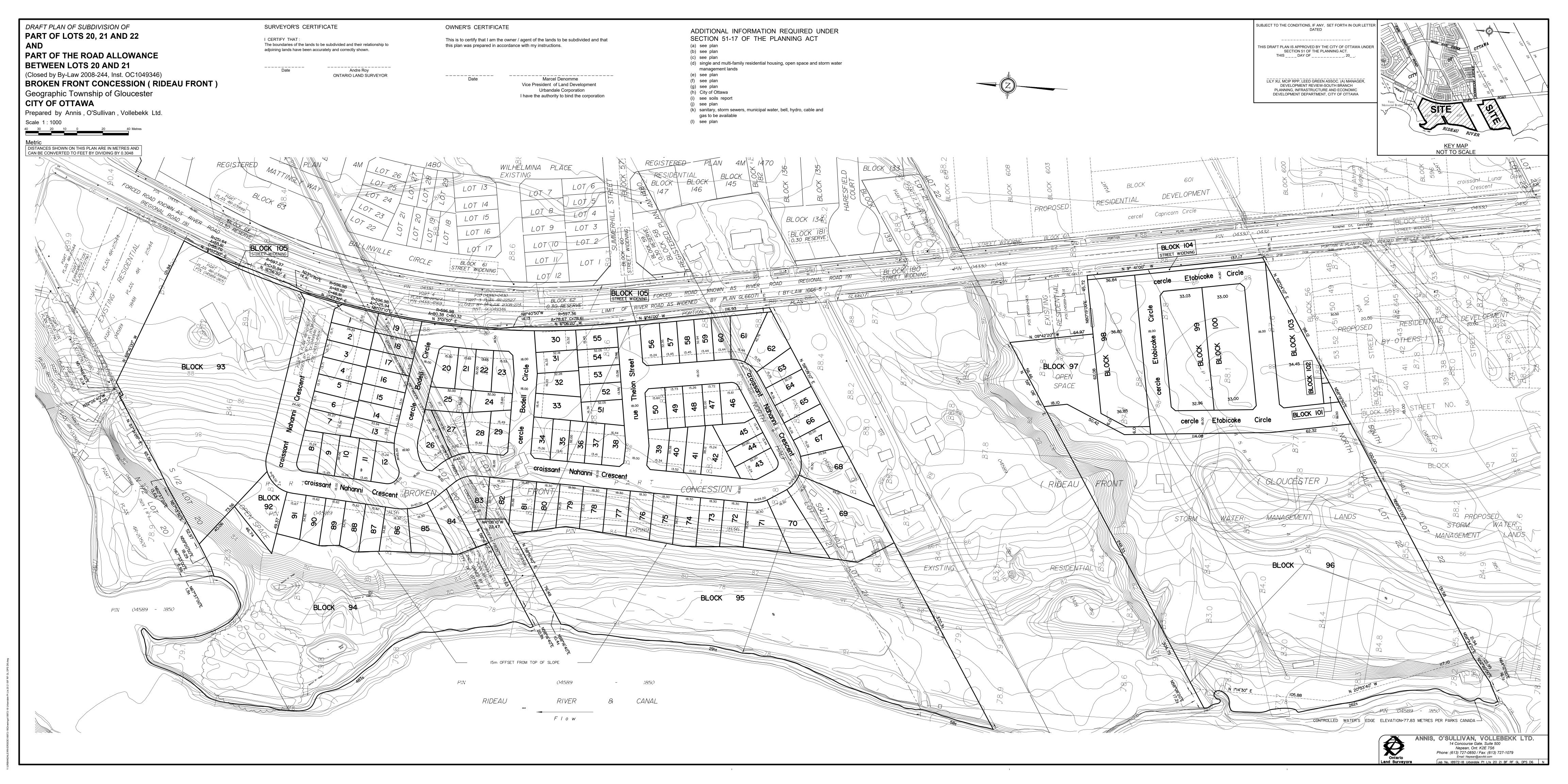


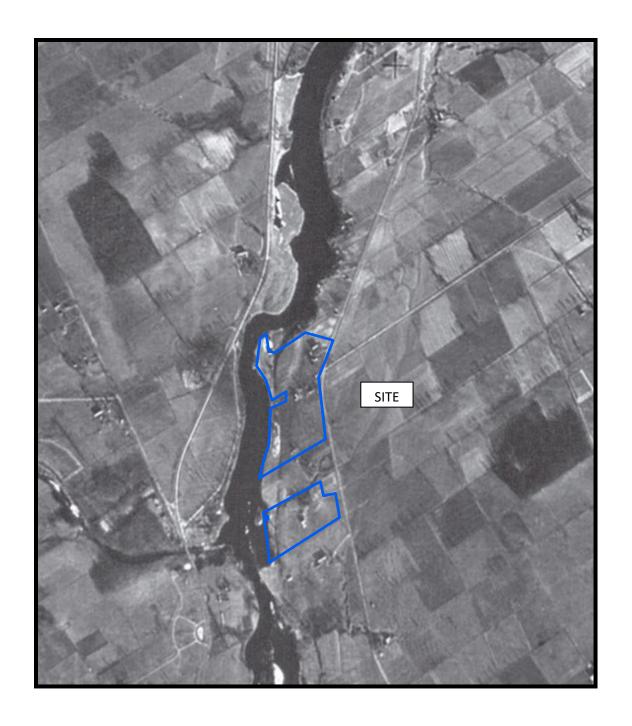
APPENDIX 1

SURVEY PLAN

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS





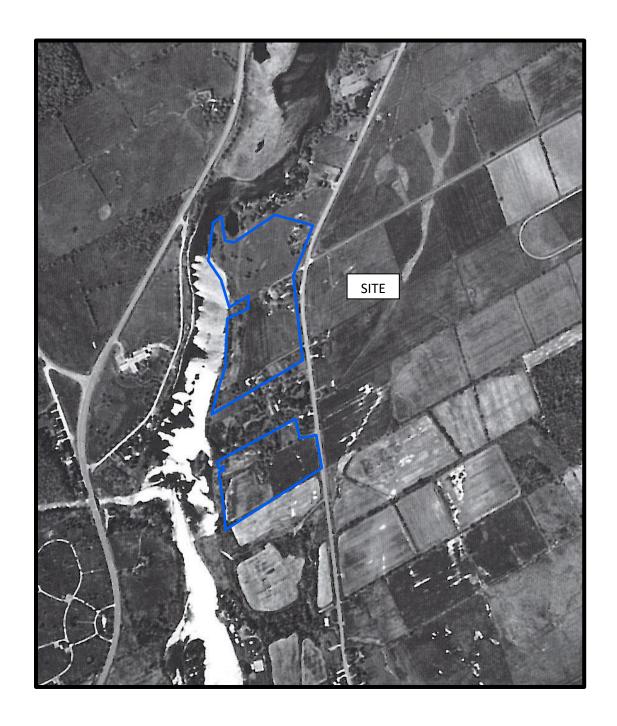
AERIAL PHOTOGRAPH 1956

patersongroup ____



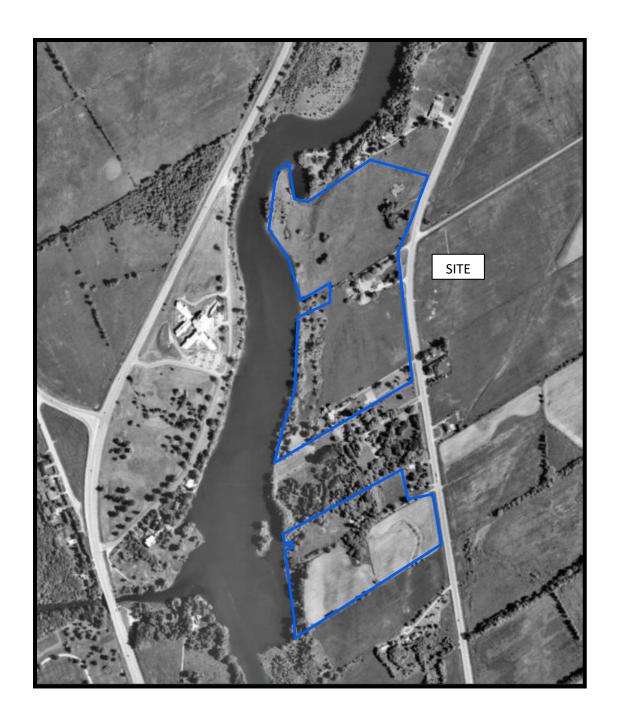
AERIAL PHOTOGRAPH 1976

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AERIAL PHOTOGRAPH 1983

patersongroup ____



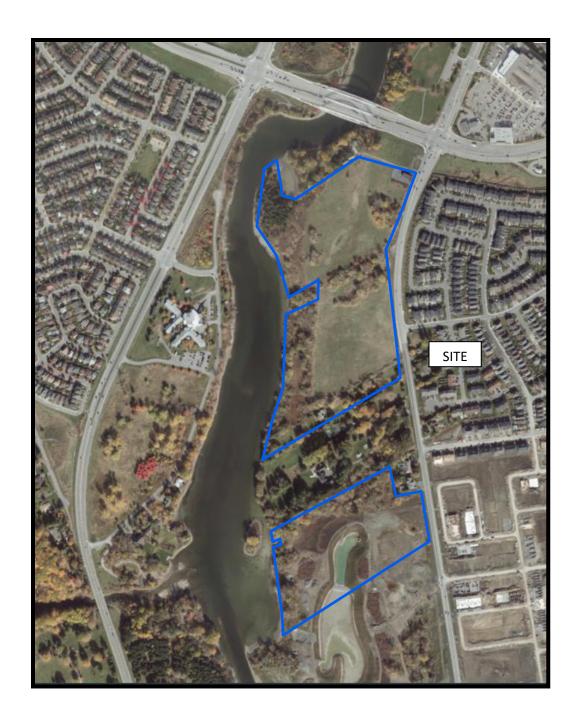
AERIAL PHOTOGRAPH 1991

patersongroup



AERIAL PHOTOGRAPH 2007

patersongroup _____



AERIAL PHOTOGRAPH 2019

patersongroup ____

708 River Road, Ottawa, Ontario



Photograph 1: Front entrance and façade of residential dwelling, facing west.



Photograph 2: Southern façade and side basement entrance of residential dwelling, facing northeast.

708 River Road, Ottawa, Ontario



Photograph 3: Rear basement entrance and façade of residential dwelling, facing northeast.



Photograph 4: Northern façade of residential dwelling, facing east.

708 River Road, Ottawa, Ontario



Photograph 5: Gravel laneway and wood shed, facing east.



Photograph 6: Northern façade of two storey wood framed workshop, facing south.

APPENDIX 2

MECP FREEDOM OF INFORMATION REQUEST

ERIS REPORT

TSSA CORRESPONDENCE

MECP WELL RECORDS

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Project Property: Phase I ESA

708,720 and 750 River Road,

Manotick ON K4M 0E2

Project No: PE5111

Report Type: Quote - Custom-Build Your Own Report

Order No: 21011800277

Requested by: Paterson Group Inc.

Date Completed: January 21, 2021

Table of Contents

Table of Contents	2
Executive Summary	3
Executive Summary: Report Summary	
Executive Summary: Site Report Summary - Project Property	
Executive Summary: Site Report Summary - Surrounding Properties	7
Executive Summary: Summary By Data Source	20
Map	36
Aerial	37
Topographic Map	38
Detail Report	39
Unplottable Summary	
Unplottable Report	325
Appendix: Database Descriptions	358
Definitions	367

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Executive Summary

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Project Property: Phase I ESA

708,720 and 750 River Road, Manotick ON K4M 0E2

Order No: 21011800277

Project No: PE5111

Coordinates:

 Latitude:
 45.2638162

 Longitude:
 -75.7030228

 UTM Northing:
 5,012,498.09

 UTM Easting:
 444,845.92

UTM Zone: 18T

Elevation: 262 FT

79.88 M

Order Information:

Order No: 21011800277

Date Requested: January 18, 2021

Requested by: Paterson Group Inc.

Report Type: Quote - Custom-Build Your Own Report

Historical/Products:

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.78 km	Total
AAGR	Abandoned Aggregate Inventory	Υ	0	0	0
AGR	Aggregate Inventory	Υ	0	0	0
AMIS	Abandoned Mine Information System	Υ	0	1	1
ANDR	Anderson's Waste Disposal Sites	Υ	0	0	0
AST	Aboveground Storage Tanks	Υ	0	0	0
AUWR	Automobile Wrecking & Supplies	Υ	0	0	0
BORE	Borehole	Υ	0	26	26
CA	Certificates of Approval	Υ	0	2	2
CDRY	Dry Cleaning Facilities	Υ	0	0	0
CFOT	Commercial Fuel Oil Tanks	Υ	0	0	0
CHEM	Chemical Manufacturers and Distributors	Υ	0	0	0
СНМ	Chemical Register	Υ	0	0	0
CNG	Compressed Natural Gas Stations	Υ	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Υ	0	0	0
CONV	Compliance and Convictions	Υ	0	0	0
CPU	Certificates of Property Use	Υ	0	0	0
DRL	Drill Hole Database	Υ	0	0	0
DTNK	Delisted Fuel Tanks	Υ	0	0	0
EASR	Environmental Activity and Sector Registry	Υ	0	1	1
EBR	Environmental Registry	Υ	0	1	1
ECA	Environmental Compliance Approval	Υ	0	13	13
EEM	Environmental Effects Monitoring	Υ	0	0	0
EHS	ERIS Historical Searches	Υ	0	6	6
EIIS	Environmental Issues Inventory System	Υ	0	0	0
EMHE	Emergency Management Historical Event	Υ	0	0	0
EPAR	Environmental Penalty Annual Report	Υ	0	0	0
EXP	List of Expired Fuels Safety Facilities	Υ	0	0	0
FCON	Federal Convictions	Υ	0	0	0
FCS	Contaminated Sites on Federal Land	Υ	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Υ	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	4	4
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	12	12
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Υ	0	0	0

Database	Name	Searched	Project Property	Within 0.78 km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Υ	0	0	0
INC	Fuel Oil Spills and Leaks	Υ	0	0	0
LIMO	Landfill Inventory Management Ontario	Υ	0	0	0
MINE	Canadian Mine Locations	Υ	0	0	0
MNR	Mineral Occurrences	Υ	0	0	0
NATE	National Analysis of Trends in Emergencies System	Υ	0	0	0
NCPL	(NATES) Non-Compliance Reports	Υ	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Υ	0	0	0
NDSP	National Defense & Canadian Forces Spills	Υ	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal	Υ	0	0	0
NEBI	Sites National Energy Board Pipeline Incidents	Υ	0	0	0
NEBP	National Energy Board Wells	Υ	0	0	0
NEES	National Environmental Emergencies System (NEES)	Υ	0	0	0
NPCB	National PCB Inventory	Υ	0	0	0
NPRI	National Pollutant Release Inventory	Υ	0	0	0
OGWE	Oil and Gas Wells	Υ	0	0	0
OOGW	Ontario Oil and Gas Wells	Υ	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Υ	0	0	0
PAP	Canadian Pulp and Paper	Υ	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Υ	0	0	0
PES	Pesticide Register	Υ	0	0	0
PINC	Pipeline Incidents	Υ	0	3	3
PRT	Private and Retail Fuel Storage Tanks	Υ	0	0	0
PTTW	Permit to Take Water	Υ	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Υ	0	0	0
RSC	Record of Site Condition	Υ	0	1	1
RST	Retail Fuel Storage Tanks	Υ	0	0	0
SCT	Scott's Manufacturing Directory	Υ	0	0	0
SPL	Ontario Spills	Υ	0	4	4
SRDS	Wastewater Discharger Registration Database	Υ	0	0	0
TANK	Anderson's Storage Tanks	Υ	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Υ	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Υ	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Υ	0	0	0
WWIS	Water Well Information System	Y	0	82	82
		Total:	0	156	156

Executive Summary: Site Report Summary - Project Property

MapDBCompany/Site NameAddressDir/Dist (m)Elev diffPageKey(m)Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	wwis		lot 21 ON <i>Well ID:</i> 1533455	E/22.7	-0.08	<u>39</u>
<u>2</u>	WWIS		lot 21 ON <i>Well ID</i> : 1533454	SE/66.7	0.14	<u>40</u>
<u>3</u>	WWIS		lot 21 ON <i>Well ID:</i> 1533456	SE/68.9	1.00	<u>43</u>
<u>4</u>	BORE		ON	SE/74.7	0.95	<u>47</u>
<u>5</u>	WWIS		lot 21 ON <i>Well ID:</i> 1511327	SE/74.7	0.95	<u>48</u>
<u>6</u>	WWIS		lot 21 ON <i>Well ID:</i> 1500324	N/214.4	2.08	<u>52</u>
<u>7</u>	BORE		ON	N/214.5	2.08	<u>56</u>
<u>8</u>	wwis		lot 21 ON <i>Well ID:</i> 1500325	E/217.5	4.21	<u>58</u>
<u>9</u> .	PINC	PIPIELINE HIT 1/2"	448 HARESFIELD CRT,,MANOTICK,ON, K4M 0B6,CA ON	E/219.3	4.37	<u>60</u>
<u>10</u>	BORE		ON	ENE/222.5	6.31	<u>61</u>
<u>11</u>	wwis		lot 21 ON <i>Well ID:</i> 1516160	E/231.8	2.91	<u>62</u>
<u>12</u>	wwis		lot 21 ON	ENE/247.1	8.00	<u>66</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1513342			
<u>13</u>	wwis		lot 22 ON <i>Well ID:</i> 1510831	ESE/248.5	3.69	<u>69</u>
<u>14</u>	wwis		lot 10 con 1 ON	W/258.3	-3.98	<u>73</u>
			Well ID: 1504664			
<u>15</u>	WWIS		274 RIVER RD MANOTICK ON Well ID: 7182221	SSE/262.8	2.00	<u>75</u>
<u>16</u>	BORE		ON	ESE/262.8	4.16	<u>77</u>
<u>17</u>	wwis		lot 22 ON <i>Well ID:</i> 1500326	ESE/262.8	4.16	<u>78</u>
<u>18</u>	wwis		55 LODGE RD lot 10 con 1 OTTAWA ON	W/279.5	-4.00	<u>80</u>
			Well ID: 1536500			
<u>19</u>	WWIS		lot 22 ON	ESE/293.6	5.42	<u>81</u>
		Diverside Couth Development	Well ID: 1500327	S/206.0	2.44	0.4
<u>20</u>	ECA	Riverside South Development Corp.	750 River Rd Ottawa ON K1G 2H5	S/306.9	2.14	<u>84</u>
<u>20</u>	ECA	Riverside South Development Corp.	750 River Rd Ottawa ON K1G 2H5	S/306.9	2.14	<u>84</u>
<u>20</u>	ECA	Riverside South Development Corp.	750 River Rd Ottawa ON K1G 2H5	S/306.9	2.14	<u>84</u>
<u>21</u>	wwis		lot 21 ON	NE/319.7	7.69	<u>85</u>
22 ·	BORE		Well ID: 1500323	NE/319.7	7.69	<u>87</u>
<u>22</u>	BONE		ON	NE/010.1	7.00	<u>01</u>
<u>23</u>	BORE		ON	SE/343.8	6.00	<u>89</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>24</u>	wwis		lot 22 ON	SE/343.9	6.00	90
25	wwis		Well ID: 1500332 55 LODGE ROAD lot 11 con 1	WNW/349.5	0.31	92
<u>25</u>	WWIS		MANOTICK ON Well ID: 7125887	WINW/549.5	0.31	<u>32</u>
<u>26</u>	wwis		55 LODGE RD lot 11 con 1 OTTAWA ON Well ID: 1536515	NW/354.8	-4.12	102
<u>27</u>	WWIS		lot 21 ON	NE/368.1	8.00	<u>103</u>
28	BORE		Well ID: 1500322 ON	W/375.5	2.19	106
<u>29</u>	wwis		lot 22 ON <i>Well ID:</i> 1500333	S/378.8	3.00	<u>108</u>
<u>30</u>	wwis		55 LODGE RD lot 11 con 1 OTTAWA ON Well ID: 1536516	NW/398.1	0.00	110
<u>31</u>	BORE		ON	SE/398.3	6.92	<u>111</u>
32	wwis		lot 22 ON <i>Well ID:</i> 1500330	SE/398.3	6.92	112
<u>33</u>	CA	Carleton Lodge Well Supply	55 Lodge Road Ottawa ON K2C 3H1	W/408.3	3.00	<u>115</u>
33	GEN	City of Ottawa	55 Lodge Road Nepean ON K2C 3H1	W/408.3	3.00	<u>115</u>
<u>33</u>	GEN	City of Otawa	55 Lodge Rd. Ottawa ON K2C 3H1	W/408.3	3.00	115
<u>33</u>	CA	City of Ottawa	55 Lodge Road Ottawa ON K2C 3H1	W/408.3	3.00	<u>116</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>33</u>	GEN	City of Otawa	55 Lodge Rd. Ottawa ON K2C 3H1	W/408.3	3.00	<u>116</u>
<u>33</u>	GEN	City of Ottawa	55 Lodge Road Ottawa ON	W/408.3	3.00	<u>116</u>
<u>33</u>	EASR	CITY OF OTTAWA	55 LODGE RD OTTAWA ON K2C 3H1	W/408.3	3.00	117
<u>33</u>	EHS		55 Lodge Rd Ottawa ON K2C3H1	W/408.3	3.00	<u>117</u>
<u>33</u>	ECA	City of Ottawa	55 Lodge Road Ottawa ON K1P 1J1	W/408.3	3.00	<u>117</u>
<u>33</u>	ECA	City of Ottawa	55 Lodge Road Ottawa ON K2G 6J8	W/408.3	3.00	<u>117</u>
<u>33</u>	GEN	City of Ottawa	55 Lodge Road Ottawa ON K2C 3H1	W/408.3	3.00	<u>118</u>
<u>33</u>	GEN	City of Ottawa	55 Lodge Road Ottawa ON K2C 3H1	W/408.3	3.00	118
<u>33</u>	GEN	City of Ottawa	55 Lodge Road Ottawa ON K2C 3H1	W/408.3	3.00	118
<u>33</u>	GEN	City of Ottawa	55 Lodge Road Ottawa ON K2C 3H1	W/408.3	3.00	119
<u>33</u>	GEN	City of Ottawa	55 Lodge Road Ottawa ON K2C 3H1	W/408.3	3.00	<u>119</u>
<u>33</u>	GEN	Jemcor Elevating Inc.	55 Lodge Road Ottawa ON K2C 3H1	W/408.3	3.00	120
<u>34</u>	wwis		lot 20 ON	NNE/413.2	8.08	<u>120</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1500317			
<u>35</u>	SPL	PRIVATE RESIDENCE	18 LODGE ROAD FURNACE OIL TANK NEPEAN CITY ON K2C 3H1	WSW/419.0	-2.78	<u>123</u>
<u>36</u>	WWIS		55 LODGE RD lot 11 con 1 ON	W/425.6	4.25	123
			Well ID: 1536511			
<u>37</u>	WWIS		55 LODGE RD lot 11 con 1 OTTAWA ON	W/427.2	4.00	125
			Well ID: 1536517			
<u>38</u>	WWIS		18 LODGE ROAD lot 10 con 1 OTTAWA ON	WSW/433.5	-4.23	<u>126</u>
			Well ID: 7163245			
<u>39</u>	WWIS		lot 11 con 1 ON	WNW/434.0	5.42	133
			Well ID: 1516589			
<u>40</u>	WWIS		lot 10 con 1 ON	WSW/440.2	0.31	<u>137</u>
			Well ID: 1504663			
<u>41</u>	WWIS		lot 22 ON	SE/442.0	8.28	<u>141</u>
			Well ID: 1500328			
<u>42</u>	WWIS		lot 20 ON	NNE/470.8	9.00	144
			Well ID: 1500319			
<u>43</u>	wwis		lot 10 con 1 ON	WSW/475.8	1.69	147
			Well ID: 1522199			
<u>43</u>	WWIS		lot 10 con 1 ON	WSW/475.8	1.69	<u>150</u>
			Well ID: 1522201			
<u>44</u>	wwis		lot 10 con 1 ON	WSW/477.7	1.69	<u>154</u>
			Well ID: 1530599			
<u>45</u>	WWIS		lot 10 con 1 ON	WSW/482.7	0.00	<u>158</u>
			Well ID: 1504662			
46	WWIS		lot 22 ON	SSE/492.2	4.97	<u>161</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1510695			
<u>47</u>	BORE		ON	NNE/492.8	9.31	<u>163</u>
<u>48</u>	WWIS		680 RIVER RD. OTTAWA ON	NNE/495.3	9.00	165
<u>49</u>	BORE		Well ID: 7313066 ON	WSW/498.6	0.00	166
<u>50</u>	BORE		ON	SE/498.6	8.69	168
<u>51</u>	wwis		lot 22 ON	SE/498.7	8.69	<u>169</u>
<u>52</u>	wwis		Well ID: 1500329 lot 11 con 1 ON	WNW/500.5	6.05	<u>171</u>
<u>53</u>	BORE		Well ID: 1505930 ON	WNW/500.5	6.05	<u>174</u>
<u>54</u>	EHS		746 River Road Ottawa ON	SSE/520.6	5.00	<u>175</u>
<u>55</u>	ECA	Minto Developments Inc.	Ottawa ON K1R 7Y2	NW/528.7	3.61	<u>175</u>
<u>55</u>	ECA	Minto Developments Inc.	Ottawa ON K1R 7Y2	NW/528.7	3.61	<u>176</u>
<u>55</u>	ECA	Minto Developments Inc.	Ottawa ON K1R 7Y2	NW/528.7	3.61	<u>176</u>
<u>55</u>	ECA	Minto Developments Inc.	Part of Lots 11, 12, 13 and 14, Concession 1 Ottawa ON K1R 7Y2	NW/528.7	3.61	<u>176</u>
<u>55</u>	ECA	Minto Developments Inc.	Ottawa ON K1R 7Y2	NW/528.7	3.61	<u>176</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>56</u>	wwis		lot 10 con 1 ON <i>Well ID:</i> 1513522	WSW/535.0	0.00	<u>177</u>
<u>57</u>	wwis		lot 22 ON <i>Well ID</i> : 1500331	SSE/535.4	4.92	<u>179</u>
<u>58</u>	AMIS	PRIDMORE THOS QUARRY	GLOUCESTER ON	N/588.8	5.63	182
<u>59</u>	SPL	Miller Waste Systems Inc.	Ottawa ON	E/593.4	9.00	182
<u>60</u>	wwis		752 RIVER ROAD lot 22 con 1 MANOTICK ON Well ID: 7328237	S/597.6	2.69	183
<u>61</u>	wwis		lot 23 ON <i>Well ID:</i> 1500335	SSE/635.2	10.00	<u>184</u>
<u>62</u>	BORE		ON	SSE/635.2	10.00	<u>187</u>
<u>63</u>	PINC	ENBRIDGE GAS INC	73 HUBBLE HEIGHTS,,OTTAWA,ON,K4M 0K2,CA ON	ESE/636.3	11.00	188
<u>64</u>	SPL	Enbridge Energy Distribution Inc.	405 Golden Springs St. Ottawa ON	ENE/645.9	9.00	188
<u>64</u>	PINC	PIPELINE HIT 1/2"	405 GOLDEN SPRING ST,,OTTAWA,ON, K4M 0B8,CA ON	ENE/645.9	9.00	189
<u>65</u>	SPL	City of Ottawa	River Road and Earl Armstrong Rd Ottawa ON	NNE/647.9	10.07	<u>189</u>
<u>66</u>	BORE		ON	WSW/656.0	4.32	<u>190</u>
<u>67</u>	WWIS		lot 10 con 2 ON	WSW/656.0	4.32	<u>191</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1505934			
<u>68</u>	WWIS		lot 9 con 2 ON <i>Well ID:</i> 1504656	SW/656.7	1.35	<u>193</u>
<u>69</u>	BORE		ON	WSW/657.6	0.00	<u>196</u>
<u>70</u>	WWIS		lot 20 ON <i>Well ID</i> : 1500320	NNE/663.2	12.00	<u>197</u>
<u>71</u>	BORE		ON	WSW/663.2	-1.70	<u>201</u>
<u>72</u>	WWIS		3626 WOODROFFE AVE lot 10 con 2 NEPEAN ON Well ID: 7112994	WSW/665.3	4.32	<u>202</u>
<u>73</u>	WWIS		lot 11 con 1 ON <i>Well ID</i> : 1504665	W/665.4	11.00	203
<u>74</u>	WWIS		lot 9 con 2 ON <i>Well ID:</i> 1504658	SW/666.0	1.83	<u>206</u>
<u>75</u>	EHS		4650 Spratt Rd Ottawa ON K4M1B2	E/671.2	10.80	209
<u>76</u>	WWIS		lot 10 con 2 ON <i>Well ID</i> : 1512146	WSW/671.3	10.34	<u>209</u>
<u>77</u>	BORE		ON	W/673.5	11.04	<u>213</u>
<u>78</u>	WWIS		lot 10 con 2 ON <i>Well ID:</i> 1505936	W/673.6	11.04	<u>214</u>
<u>79</u>	WWIS		lot 10 con 2 ON <i>Well ID:</i> 1515365	WSW/675.7	9.39	<u>217</u>
<u>79</u>	wwis		lot 10 con 2 ON	WSW/675.7	9.39	<u>221</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1517095			
<u>79</u>	wwis		lot 10 con 2 ON <i>Well ID:</i> 1519100	WSW/675.7	9.39	<u>225</u>
<u>80</u>	BORE		ON	WSW/676.0	0.00	228
<u>81</u>	BORE		ON	WSW/676.3	-1.53	229
<u>82</u>	BORE		ON	E/678.1	11.00	230
<u>83</u>	wwis		lot 22 ON <i>Well ID:</i> 1501673	E/678.1	11.00	230
<u>84</u>	wwis		686 RIVER ROAD lot 20 con 1 GLOUCESTER ON Well ID: 7156870	NNE/686.3	6.59	233
<u>85</u>	wwis		55 LODGE ROAD lot 11 con 1 NEPEAN ON	N/691.5	-1.41	235
<u>85</u>	wwis		Well ID: 7156872 55 LODGE ROAD lot 11 con 1 NEPEAN ON	N/691.5	-1.41	236
<u>86</u>	BORE		Well ID: 7156873 ON	WSW/693.5	-0.17	238
<u>87</u>	wwis		680 RIVER RD Ottawa ON	NNE/693.6	11.69	<u>240</u>
<u>88</u>	wwis		Well ID: 7280109 680 RIVER ROAD Ottawa ON	NNE/695.5	11.69	<u>243</u>
<u>89</u>	wwis		Well ID: 7271906 680 RIVER RD Ottawa ON	NNE/700.4	11.43	246
90	wwis		Well ID: 7280111 680 RIVER RD. BARRHAVEN ON	NNE/703.3	11.43	<u>249</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 7313162			
<u>91</u>	FST	MACEWEN PETROLEUM INC***	685 RIVER RD GLOUCESTER K1V 1C7 ON CA 685 RIVER RD GLOUCESTER K1V 1C7 ON CA ON	NE/706.2	9.00	<u>251</u>
91	FST	MACEWEN PETROLEUM INC***	685 RIVER RD GLOUCESTER K1V 1C7 ON CA 685 RIVER RD GLOUCESTER K1V 1C7 ON CA ON	NE/706.2	9.00	<u>252</u>
<u>91</u>	FST	MACEWEN PETROLEUM INC***	685 RIVER RD GLOUCESTER K1V 1C7 ON CA 685 RIVER RD GLOUCESTER K1V 1C7 ON CA ON	NE/706.2	9.00	<u>252</u>
91	FST		685 RIVER RD GLOUCESTER ON K1V 1C7	NE/706.2	9.00	<u>253</u>
<u>92</u>	RSC	CITY OF OTTAWA	680 RIVER ROAD, OTTAWA, ON K1V 1G1 Ottawa ON	NNE/710.5	10.96	<u>253</u>
93	wwis		18 LODGE ROAD lot 10 con 2 OTTAWA ON	WSW/710.8	12.08	<u>254</u>
			Well ID: 7163229			
<u>94</u>	EHS		3704 Prince of Wales Dr. Ottawa ON	SSE/711.1	10.39	<u>256</u>
<u>95</u>	BORE		ON	WSW/712.2	0.92	<u>256</u>
<u>96</u>	BORE		ON	SW/712.3	4.69	258
<u>97</u>	EHS		680 River Road Ottawa ON K1V 1G1	NNE/714.7	11.05	<u>259</u>
<u>98</u>	wwis		lot 11 con 2 ON <i>Well ID:</i> 1519500	W/716.6	10.97	<u>259</u>
<u>99</u>	wwis		55 LODGE ROAD lot 11 con 1 NEPEAN ON	N/717.1	-4.25	<u>261</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 7156871			
<u>100</u>	WWIS		680 RIVER ROAD Ottawa ON	NNE/718.2	10.54	<u>263</u>
			Well ID: 7271907			
<u>101</u>	WWIS		671 RIVER RD Ottawa ON	NE/720.6	8.20	<u>266</u>
			Well ID: 7237542			
102	WWIS		761 RIVER RD. OTTAWA ON	NE/720.8	8.31	<u>269</u>
			Well ID: 7253974			
<u>103</u>	WWIS		680 RIVER RD Ottawa ON	NNE/722.2	10.07	<u>272</u>
			Well ID: 7280110			
<u>104</u>	WWIS		lot 11 con 2 ON	W/726.7	11.98	<u>275</u>
			Well ID: 1517697			
<u>105</u>	WWIS		671 RIVER RD Ottawa ON	NE/727.7	8.31	<u>278</u>
			Well ID: 7237540			
106	BORE		ON	S/732.2	0.00	<u>281</u>
<u>107</u>	WWIS		lot 22 ON	S/732.3	0.00	<u>282</u>
			Well ID: 1509609			
108	WWIS		680 RIVER ROAD Ottawa ON	NNE/732.4	10.07	285
			Well ID: 7271905			
109	WWIS		680 RIVER RD. BARRHAVEN ON	NNE/733.4	11.05	<u>288</u>
			Well ID: 7313065			
<u>110</u>	WWIS		671 RIVER RD Ottawa ON	NE/734.8	9.03	<u>290</u>
			Well ID: 7290683			
<u>111</u>	BORE		ON	NNW/736.2	0.87	<u>292</u>
112	EBR	CP REIT Ontario Properties Limited	647 Earl Armstrong Road Ottawa K1V 2G2 CITY OF OTTAWA ON	NE/736.9	8.03	<u>294</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
112	ECA	CP REIT Ontario Properties Limited	647 Earl Armstrong Rd Ottawa ON M4T 2Z5	NE/736.9	8.03	<u>295</u>
<u>112</u>	GEN	m.ali pharmacy services corp	647 earl armstrong road Ottawa ON K1V 2G2	NE/736.9	8.03	<u>295</u>
<u>112</u>	ECA	CP REIT Ontario Properties Limited	647 Earl Armstrong Rd Ottawa ON M4T 2Z5	NE/736.9	8.03	<u>295</u>
112	GEN	m.ali pharmacy services corp	647 earl armstrong road Ottawa ON K1V 2G2	NE/736.9	8.03	295
113	wwis		lot 11 con 2 ON Well ID: 1505956	W/738.9	11.69	<u>296</u>
114	wwis		680 RIVER RD. BARRHAVEN ON	NNE/739.7	8.37	298
<u>115</u>	wwis		Well ID: 7313163 671 RIVER RD Ottawa ON	NE/741.0	9.00	300
<u>116</u>	wwis		Well ID: 7237541 761 RIVER RD. OTTAWA ON	NE/742.0	9.00	303
117	ECA	Nortel Networks Corporation	Well ID: 7253976 Part of Lots 9 & 10, Conc. 1, Carling Lab. #10 Ottawa ON K2H 8E9	SW/745.3	1.00	306
<u>118</u>	wwis		761 RIVER RD. OTTAWA ON	NE/746.8	9.15	306
<u>119</u>	wwis		Well ID: 7253975 lot 11 con 2 ON	W/752.9	12.03	309
<u>120</u>	BORE		Well ID: 1505938 ON	W/752.9	12.03	312
<u>121</u>	wwis		3566 WOODROOFE lot 11 con 2 NEPEAN ON	W/754.1	10.97	313

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1534663			
<u>122</u>	WWIS		lot 9 con 2 ON	SW/765.4	4.36	316
			Well ID: 1504657			
123	EHS		Earl Armstrong Drive Ottawa ON	ENE/769.2	8.00	319

Executive Summary: Summary By Data Source

AMIS - Abandoned Mine Information System

A search of the AMIS database, dated 1800-Oct 2018 has found that there are 1 AMIS site(s) within approximately 0.78 kilometers of the project property.

Equal/Higher Elevation	<u>Address</u>	Direction	Distance (m)	<u>Map Key</u>
PRIDMORE THOS QUARRY	GLOUCESTER ON	N	588.75	<u>58</u>

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 26 BORE site(s) within approximately 0.78 kilometers of the project property.

Equal/Higher Elevation	Address ON	<u>Direction</u> SE	<u>Distance (m)</u> 74.70	Map Key
	ON	N	214.52	<u>7</u>
	ON	ENE	222.51	<u>10</u>
	ON	ESE	262.81	<u>16</u>
	ON	NE	319.74	<u>22</u>
	ON	SE	343.83	<u>23</u>
	ON	W	375.50	<u>28</u>

Equal/Higher Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	<u>Map Key</u>
	ON	SE	398.29	<u>31</u>
	ON	NNE	492.78	<u>47</u>
	ON	wsw	498.59	<u>49</u>
	ON	SE	498.62	<u>50</u>
	ON	WNW	500.51	<u>53</u>
	ON	SSE	635.19	<u>62</u>
	ON	wsw	656.00	<u>66</u>
	ON	wsw	657.65	<u>69</u>
	ON	W	673.51	<u>77</u>
	ON	wsw	676.02	<u>80</u>
	ON	E	678.12	<u>82</u>

Equal/Higher Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	Map Key
	ON	WSW	712.20	<u>95</u>
	ON	SW	712.26	<u>96</u>
	ON	S	732.22	<u>106</u>
	ON	NNW	736.17	<u>111</u>
	ON	W	752.95	<u>120</u>
Lower Elevation	Address ON	<u>Direction</u> WSW	<u>Distance (m)</u> 663.23	<u>Map Key</u> <u>71</u>
	ON	wsw	676.27	<u>81</u>
	ON	wsw	693.48	<u>86</u>

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 2 CA site(s) within approximately 0.78 kilometers of the project property.

Equal/Higher Elevation	<u>Address</u>	Direction	Distance (m)	Map Key
City of Ottawa	55 Lodge Road Ottawa ON K2C 3H1	W	408.31	33
Carleton Lodge Well Supply	55 Lodge Road Ottawa ON K2C 3H1	W	408.31	<u>33</u>

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

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011-Dec 31, 2020 has found that there are 1 EASR site(s) within approximately 0.78 kilometers of the project property.

Equal/Higher Elevation	<u>Address</u>	Direction	Distance (m)	Map Key
CITY OF OTTAWA	55 LODGE RD OTTAWA ON K2C 3H1	W	408.31	<u>33</u>

EBR - Environmental Registry

A search of the EBR database, dated 1994-Nov 30, 2020 has found that there are 1 EBR site(s) within approximately 0.78 kilometers of the project property.

Equal/Higher Elevation	<u>Address</u>	Direction	Distance (m)	<u>Map Key</u>
CP REIT Ontario Properties Limited	647 Earl Armstrong Road Ottawa K1V 2G2 CITY OF OTTAWA ON	NE	736.90	112

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Dec 31, 2020 has found that there are 13 ECA site(s) within approximately 0.78 kilometers of the project property.

Equal/Higher Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	Map Key
Riverside South Development Corp.	750 River Rd Ottawa ON K1G 2H5	S	306.92	<u>20</u>
Riverside South Development Corp.	750 River Rd Ottawa ON K1G 2H5	S	306.92	<u>20</u>
Riverside South Development Corp.	750 River Rd Ottawa ON K1G 2H5	S	306.92	<u>20</u>
City of Ottawa	55 Lodge Road Ottawa ON K2G 6J8	W	408.31	<u>33</u>

Equal/Higher Elevation	Address	<u>Direction</u>	Distance (m)	Map Key
City of Ottawa	55 Lodge Road Ottawa ON K1P 1J1	W	408.31	<u>33</u>
Minto Developments Inc.	Ottawa ON K1R 7Y2	NW	528.68	<u>55</u>
Minto Developments Inc.	Ottawa ON K1R 7Y2	NW	528.68	<u>55</u>
Minto Developments Inc.	Part of Lots 11, 12, 13 and 14, Concession 1 Ottawa ON K1R 7Y2	NW	528.68	<u>55</u>
Minto Developments Inc.	Ottawa ON K1R 7Y2	NW	528.68	<u>55</u>
Minto Developments Inc.	Ottawa ON K1R 7Y2	NW	528.68	<u>55</u>
CP REIT Ontario Properties Limited	647 Earl Armstrong Rd Ottawa ON M4T 2Z5	NE	736.90	<u>112</u>
CP REIT Ontario Properties Limited	647 Earl Armstrong Rd Ottawa ON M4T 2Z5	NE	736.90	<u>112</u>
Nortel Networks Corporation	Part of Lots 9 & 10, Conc. 1, Carling Lab. #10 Ottawa ON K2H 8E9	SW	745.25	<u>117</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Oct 31, 2020 has found that there are 6 EHS site(s) within approximately 0.78 kilometers of the project property.

Equal/Higher Elevation	<u>Address</u>	Direction	Distance (m)	<u>Map Key</u>
	55 Lodge Rd Ottawa ON K2C3H1	W	408.31	<u>33</u>

Equal/Higher Elevation	<u>Address</u>	Direction	Distance (m)	<u>Map Key</u>
	746 River Road Ottawa ON	SSE	520.63	<u>54</u>
	4650 Spratt Rd Ottawa ON K4M1B2	E	671.25	<u>75</u>
	3704 Prince of Wales Dr. Ottawa ON	SSE	711.09	<u>94</u>
	680 River Road Ottawa ON K1V 1G1	NNE	714.69	<u>97</u>
	Earl Armstrong Drive Ottawa ON	ENE	769.20	<u>123</u>

FST - Fuel Storage Tank

A search of the FST database, dated Jul 31, 2020 has found that there are 4 FST site(s) within approximately 0.78 kilometers of the project property.

Equal/Higher Elevation MACEWEN PETROLEUM INC***	Address 685 RIVER RD GLOUCESTER K1V 1C7 ON CA 685 RIVER RD GLOUCESTER K1V 1C7 ON CA ON	<u>Direction</u> NE	<u>Distance (m)</u> 706.25	<u>Map Key</u> <u>91</u>
MACEWEN PETROLEUM INC***	685 RIVER RD GLOUCESTER K1V 1C7 ON CA 685 RIVER RD GLOUCESTER K1V 1C7 ON CA ON	NE	706.25	<u>91</u>
	685 RIVER RD GLOUCESTER ON K1V 1C7	NE	706.25	<u>91</u>
MACEWEN PETROLEUM INC***	685 RIVER RD GLOUCESTER K1V 1C7 ON CA 685 RIVER RD GLOUCESTER K1V 1C7 ON CA ON	NE	706.25	<u>91</u>

Order No: 21011800277

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jul 31, 2020 has found that there are 12 GEN site(s) within approximately 0.78 kilometers of the project property.

Equal/Higher Elevation City of Ottawa	Address 55 Lodge Road Nepean ON K2C 3H1	<u>Direction</u> W	<u>Distance (m)</u> 408.31	<u>Map Key</u> <u>33</u>
City of Otawa	55 Lodge Rd. Ottawa ON K2C 3H1	W	408.31	<u>33</u>
City of Otawa	55 Lodge Rd. Ottawa ON K2C 3H1	W	408.31	<u>33</u>
City of Ottawa	55 Lodge Road Ottawa ON	w	408.31	<u>33</u>
City of Ottawa	55 Lodge Road Ottawa ON K2C 3H1	W	408.31	<u>33</u>
City of Ottawa	55 Lodge Road Ottawa ON K2C 3H1	W	408.31	<u>33</u>
City of Ottawa	55 Lodge Road Ottawa ON K2C 3H1	W	408.31	33
City of Ottawa	55 Lodge Road Ottawa ON K2C 3H1	W	408.31	<u>33</u>
City of Ottawa	55 Lodge Road Ottawa ON K2C 3H1	W	408.31	<u>33</u>
Jemcor Elevating Inc.	55 Lodge Road Ottawa ON K2C 3H1	W	408.31	33
m.ali pharmacy services corp	647 earl armstrong road Ottawa ON K1V 2G2	NE	736.90	112

Equal/Higher Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	<u>Map Key</u>
m.ali pharmacy services corp	647 earl armstrong road Ottawa ON K1V 2G2	NE	736.90	<u>112</u>

PINC - Pipeline Incidents

A search of the PINC database, dated Oct 31, 2020 has found that there are 3 PINC site(s) within approximately 0.78 kilometers of the project property.

Equal/Higher Elevation	<u>Address</u>	Direction	Distance (m)	<u>Map Key</u>
PIPIELINE HIT 1/2"	448 HARESFIELD CRT,,MANOTICK, ON,K4M 0B6,CA ON	E	219.30	9
ENBRIDGE GAS INC	73 HUBBLE HEIGHTS,,OTTAWA,ON, K4M 0K2,CA ON	ESE	636.29	<u>63</u>
PIPELINE HIT 1/2"	405 GOLDEN SPRING ST,,OTTAWA, ON,K4M 0B8,CA ON	ENE	645.91	<u>64</u>

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Nov 2020 has found that there are 1 RSC site(s) within approximately 0.78 kilometers of the project property.

Equal/Higher Elevation	<u>Address</u>	Direction	Distance (m)	<u>Map Key</u>
CITY OF OTTAWA	680 RIVER ROAD, OTTAWA, ON K1V 1G1 Ottawa ON	NNE	710.53	<u>92</u>

SPL - Ontario Spills

A search of the SPL database, dated 1988-Nov 2019; Jul 2020 - Aug 2020 has found that there are 4 SPL site(s) within approximately 0.78 kilometers of the project property.

Equal/Higher Elevation	<u>Address</u>	Direction	Distance (m)	<u>Map Key</u>
Miller Waste Systems Inc.	Ottawa ON	E	593.35	<u>59</u>
Enbridge Energy Distribution Inc.	405 Golden Springs St. Ottawa ON	ENE	645.91	<u>64</u>

Equal/Higher Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	<u>Map Key</u>
City of Ottawa	River Road and Earl Armstrong Rd Ottawa ON	NNE	647.93	<u>65</u>
Lower Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	<u>Map Key</u>
PRIVATE RESIDENCE	18 LODGE ROAD FURNACE OIL TANK NEPEAN CITY ON K2C 3H1	WSW	418.97	<u>35</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2020 has found that there are 82 WWIS site(s) within approximately 0.78 kilometers of the project property.

Equal/Higher Elevation	Address lot 21 ON Well ID: 1533454	<u>Direction</u> SE	<u>Distance (m)</u> 66.70	Map Key 2
	lot 21 ON <i>Well ID</i> : 1533456	SE	68.90	<u>3</u>
	lot 21 ON <i>Well ID</i> : 1511327	SE	74.73	<u>5</u>
	lot 21 ON	N	214.45	<u>6</u>
	Well ID: 1500324 lot 21 ON	Е	217.54	<u>8</u>
	Well ID: 1500325 lot 21 ON	Е	231.77	<u>11</u>
	Well ID: 1516160 lot 21 ON	ENE	247.08	<u>12</u>
	Well ID: 1513342			

Equal/Higher Elevation	Address lot 22 ON	<u>Direction</u> ESE	<u>Distance (m)</u> 248.52	<u>Map Key</u> <u>13</u>
	Well ID: 1510831 274 RIVER RD MANOTICK ON Well ID: 7182221	SSE	262.81	<u>15</u>
	lot 22 ON Well ID: 1500326	ESE	262.85	<u>17</u>
	lot 22 ON <i>Well ID:</i> 1500327	ESE	293.55	<u>19</u>
	lot 21 ON <i>Well ID</i> : 1500323	NE	319.71	<u>21</u>
	lot 22 ON <i>Well ID:</i> 1500332	SE	343.87	<u>24</u>
	55 LODGE ROAD lot 11 con 1 MANOTICK ON Well ID: 7125887	WNW	349.48	<u>25</u>
	lot 21 ON <i>Well ID:</i> 1500322	NE	368.11	<u>27</u>
	lot 22 ON <i>Well ID</i> : 1500333	S	378.75	<u>29</u>
	55 LODGE RD lot 11 con 1 OTTAWA ON Well ID: 1536516	NW	398.06	<u>30</u>
	lot 22 ON <i>Well ID:</i> 1500330	SE	398.31	<u>32</u>
	lot 20 ON	NNE	413.23	<u>34</u>

Equal/Higher Elevation	Address Well ID: 1500317	<u>Direction</u>	Distance (m)	Map Key
	55 LODGE RD lot 11 con 1 ON	W	425.60	<u>36</u>
	Well ID: 1536511			
	55 LODGE RD lot 11 con 1 OTTAWA ON	W	427.20	<u>37</u>
	Well ID: 1536517			
	lot 11 con 1 ON	WNW	433.99	<u>39</u>
	Well ID: 1516589			
	lot 10 con 1 ON	wsw	440.17	<u>40</u>
	Well ID: 1504663			
	lot 22 ON	SE	441.97	<u>41</u>
	Well ID: 1500328			
	lot 20 ON	NNE	470.78	<u>42</u>
	Well ID: 1500319			
	lot 10 con 1 ON	wsw	475.81	<u>43</u>
	Well ID: 1522199			
	lot 10 con 1 ON	WSW	475.81	<u>43</u>
	Well ID: 1522201			
	lot 10 con 1 ON	WSW	477.66	<u>44</u>
	Well ID: 1530599			
	lot 10 con 1 ON	WSW	482.67	<u>45</u>
	Well ID: 1504662			
	lot 22 ON	SSE	492.19	<u>46</u>
	Well ID: 1510695			

Equal/Higher Elevation	Address 680 RIVER RD. OTTAWA ON	<u>Direction</u> NNE	<u>Distance (m)</u> 495.28	Map Key
	Well ID: 7313066			
	lot 22 ON	SE	498.68	<u>51</u>
	Well ID: 1500329			
	lot 11 con 1 ON	WNW	500.46	<u>52</u>
	Well ID: 1505930			
	lot 10 con 1 ON	WSW	535.01	<u>56</u>
	Well ID: 1513522			
	lot 22 ON	SSE	535.45	<u>57</u>
	Well ID: 1500331			
	752 RIVER ROAD lot 22 con 1 MANOTICK ON	S	597.64	<u>60</u>
	Well ID: 7328237			
	lot 23 ON	SSE	635.19	<u>61</u>
	Well ID: 1500335			
	lot 10 con 2 ON	WSW	656.01	<u>67</u>
	Well ID: 1505934			
	lot 9 con 2 ON	SW	656.65	<u>68</u>
	Well ID: 1504656			
	lot 20 ON	NNE	663.19	<u>70</u>
	Well ID: 1500320			
	3626 WOODROFFE AVE lot 10 con 2 NEPEAN ON	WSW	665.27	<u>72</u>
	Well ID: 7112994			
	lot 11 con 1 ON	W	665.37	<u>73</u>

Equal/Higher Elevation	Address Well ID: 1504665	<u>Direction</u>	Distance (m)	Map Key
	lot 9 con 2 ON	SW	666.03	<u>74</u>
	Well ID: 1504658			
	lot 10 con 2 ON	WSW	671.25	<u>76</u>
	Well ID: 1512146			
	lot 10 con 2 ON	W	673.56	<u>78</u>
	Well ID: 1505936			
	lot 10 con 2 ON	wsw	675.65	<u>79</u>
	Well ID: 1515365			
	lot 10 con 2 ON	WSW	675.65	<u>79</u>
	Well ID: 1517095			
	lot 10 con 2 ON	WSW	675.65	<u>79</u>
	Well ID: 1519100			
	lot 22 ON	E	678.14	<u>83</u>
	Well ID: 1501673			
	686 RIVER ROAD lot 20 con 1 GLOUCESTER ON	NNE	686.29	<u>84</u>
	Well ID: 7156870			
	680 RIVER RD Ottawa ON	NNE	693.62	<u>87</u>
	Well ID: 7280109			
	680 RIVER ROAD Ottawa ON	NNE	695.54	<u>88</u>
	Well ID: 7271906			
	680 RIVER RD Ottawa ON	NNE	700.40	<u>89</u>
	Well ID: 7280111			

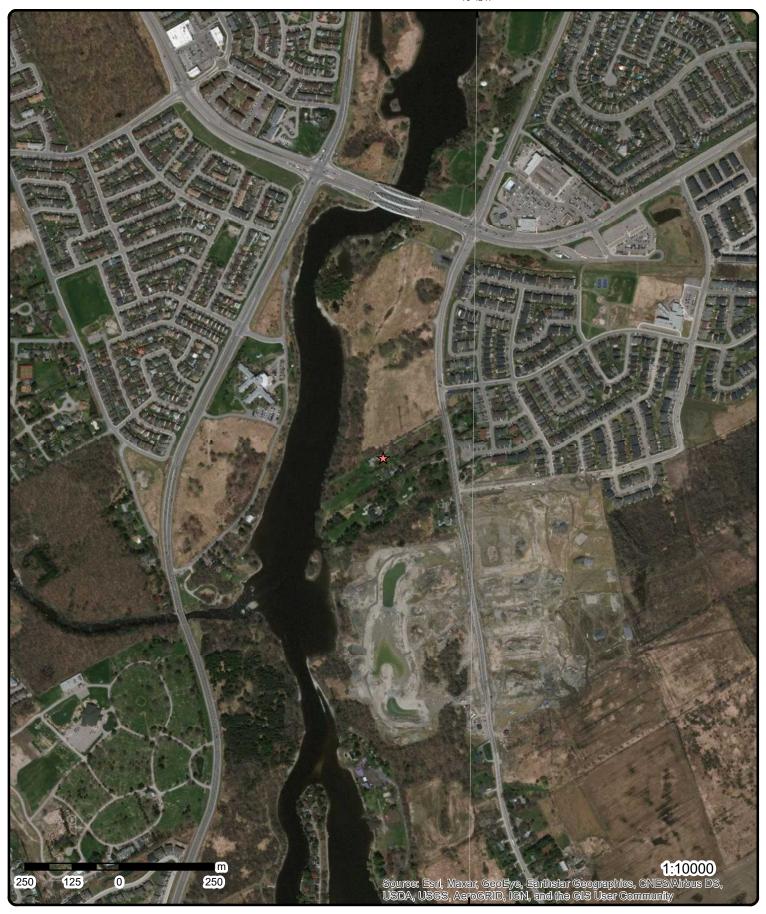
Equal/Higher Elevation	Address 680 RIVER RD. BARRHAVEN ON	<u>Direction</u> NNE	<u>Distance (m)</u> 703.29	<u>Map Key</u> <u>90</u>
	Well ID: 7313162 18 LODGE ROAD lot 10 con 2 OTTAWA ON	WSW	710.76	<u>93</u>
	Well ID: 7163229 lot 11 con 2 ON	W	716.59	<u>98</u>
	Well ID: 1519500 680 RIVER ROAD Ottawa ON	NNE	718.17	<u>100</u>
	Well ID: 7271907 671 RIVER RD Ottawa ON	NE	720.64	<u>101</u>
	Well ID: 7237542 761 RIVER RD. OTTAWA ON	NE	720.76	<u>102</u>
	Well ID: 7253974 680 RIVER RD Ottawa ON	NNE	722.21	<u>103</u>
	Well ID: 7280110 lot 11 con 2 ON	W	726.69	104
	Well ID: 1517697 671 RIVER RD Ottawa ON	NE	727.75	<u>105</u>
	Well ID: 7237540 lot 22 ON	S	732.30	<u>107</u>
	Well ID: 1509609 680 RIVER ROAD Ottawa ON	NNE	732.40	108
	Well ID: 7271905 680 RIVER RD. BARRHAVEN ON	NNE	733.44	<u>109</u>

Equal/Higher Elevation	Address Well ID: 7313065	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	671 RIVER RD Ottawa ON	NE	734.82	<u>110</u>
	Well ID: 7290683			
	lot 11 con 2 ON	W	738.93	<u>113</u>
	Well ID: 1505956			
	680 RIVER RD. BARRHAVEN ON	NNE	739.73	114
	Well ID: 7313163			
	671 RIVER RD Ottawa ON	NE	741.04	<u>115</u>
	Well ID: 7237541			
	761 RIVER RD. OTTAWA ON	NE	741.96	<u>116</u>
	Well ID: 7253976			
	761 RIVER RD. OTTAWA ON	NE	746.81	118
	Well ID: 7253975			
	lot 11 con 2 ON	W	752.94	<u>119</u>
	Well ID: 1505938			
	3566 WOODROOFE lot 11 con 2 NEPEAN ON	W	754.15	<u>121</u>
	Well ID: 1534663			
	lot 9 con 2 ON	SW	765.36	<u>122</u>
	Well ID: 1504657			
Lower Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	Map Key
	lot 21 ON	E	22.72	<u>1</u>
	Well ID: 1533455			
	lot 10 con 1 ON	W	258.26	<u>14</u>

Well ID: 1504664

55 LODGE RD lot 10 con 1 OTTAWA ON	W	279.51	<u>18</u>
Well ID: 1536500			
55 LODGE RD lot 11 con 1 OTTAWA ON	NW	354.80	<u>26</u>
Well ID: 1536515			
18 LODGE ROAD lot 10 con 1 OTTAWA ON	wsw	433.53	<u>38</u>
Well ID: 7163245			
55 LODGE ROAD lot 11 con 1 NEPEAN ON	N	691.52	<u>85</u>
Well ID: 7156872			
55 LODGE ROAD lot 11 con 1 NEPEAN ON	N	691.52	<u>85</u>
Well ID: 7156873			
55 LODGE ROAD lot 11 con 1 NEPEAN ON	N	717.11	<u>99</u>
Well ID: 7156871			





Aerial Year: 2015

Address: 708 ,720 and 750 River Road, Manotick, ON

Source: ESRI World Imagery

Order Number: 21011800277



Topographic Map

Address: 708,720 and 750 River Road, ON

Source: ESRI World Topographic Map

Order Number: 21011800277



Detail Report

1 1 of 1 E/22.7 79.8 / -0.08 lot 21 ON Well ID: 1533455 Data Entry Status: Construction Date: Data Src: 1 Primary Water Use: Not Used Date Received: 12/23/2002 Sec. Water Use: Selected Flag: Yes Final Well Status: Abandonment Rec: Contractor: 1119 Water Type: Contractor: 1119 Casing Material: Form Version: 1 Audit No: 248812 Owner: Tag: Street Name: County: OTTAWA Construction Method: County: OTTAWA Elevation (m): Municipality: GLOUCESTER TOWNSHIP	
Construction Date: Data Src: 1 Primary Water Use: Not Used Date Received: 12/23/2002 Sec. Water Use: Selected Flag: Yes Final Well Status: Abandoned-Quality Abandonment Rec: Water Type: Contractor: 1119 Casing Material: Form Version: 1 Audit No: 248812 Owner: Tag: Street Name: County: OTTAWA	wwis
Primary Water Use: Not Used Date Received: 12/23/2002 Sec. Water Use: Selected Flag: Yes Final Well Status: Abandoned-Quality Abandonment Rec: Water Type: Contractor: 1119 Casing Material: Form Version: 1 Audit No: 248812 Owner: Tag: Street Name: Construction Method: County: OTTAWA	
Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Tag: Construction Method: Selected Flag: Abandonment Rec: Contractor: 1119 Contractor: 1109 Contractor: 1109 Contractor: 1119 Contractor: 1109 Contractor: 1119 Contractor: 1109 Contractor: 1119 Contractor: 1119 Contractor: 1109 Contractor: 1119 Contractor: 1109 Contractor: 1119 Contractor: 1109 Contractor: 1119 Contractor: 1119 Contractor: 1109 Contractor: 1119 Contractor: 1109 Contracto	
Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Tag: Construction Method: Selected Flag: Abandonment Rec: Contractor: 1119 Contractor: 1109 Contractor: 1109 Contractor: 1119 Contractor: 1109 Contractor: 1119 Contractor: 1109 Contractor: 1119 Contractor: 1119 Contractor: 1109 Contractor: 1119 Contractor: 1109 Contractor: 1119 Contractor: 1109 Contractor: 1119 Contractor: 1119 Contractor: 1109 Contractor: 1119 Contractor: 1109 Contracto	
Water Type: Contractor: 1119 Casing Material: Form Version: 1 Audit No: 248812 Owner: Tag: Street Name: Construction Method: County: OTTAWA	
Casing Material: Form Version: 1 Audit No: 248812 Owner: Tag: Street Name: Construction Method: County: OTTAWA	
Audit No: 248812 Owner: Tag: Street Name: Construction Method: County: OTTAWA	
Tag: Street Name: Construction Method: County: OTTAWA	
Construction Method: County: OTTAWA	
- Committee - Comm	
Elevation (m): Municipality: GLOUCESTER TOWNSHIP	
Elevation Reliability: Site Info:	
Depth to Bedrock: Lot: 021	
Well Depth: Concession:	
Overburden/Bedrock: Concession Name: BF	
Pump Rate: Easting NAD83:	
Static Water Level: Northing NAD83:	
Flowing (Y/N): Zone:	
Flow Rate: UTM Reliability:	
Clear/Cloudy:	

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1533455.pdf

Order No: 21011800277

Bore Hole Information

PDF URL (Map):

Bore Hole ID: 10530202 88.163932 Elevation: DP2BR: Elevrc: Spatial Status: Zone: 18 Code OB: East83: 444868.3 5012502

No formation data North83: Code OB Desc: Open Hole: Org CS:

Cluster Kind: UTMRC: Date Completed: 11/7/2002 UTMRC Desc: margin of error: 100 m - 300 m

Remarks: Location Method: Elevrc Desc:

Location Source Date: Improvement Location Source:

Method of Construction & Well <u>Use</u>

Improvement Location Method: Source Revision Comment: Supplier Comment:

Method Construction ID: 961533455

Method Construction Code: Not Known

Method Construction: Other Method Construction:

Pipe Information

WWIS

Order No: 21011800277

11078772 Pipe ID:

Casing No: Comment: Alt Name:

2 1 of 1 SE/66.7 80.0 / 0.14 lot 21 ON

Well ID: 1533454 Data Entry Status:

Construction Date: Data Src:

Primary Water Use: Domestic Date Received: 12/23/2002 Sec. Water Use: Selected Flag: Yes

Final Well Status: Water Supply Abandonment Rec:

Water Type: Contractor: 1119 Casing Material: Form Version: Audit No: 237963 Owner:

Tag: Street Name:

OTTAWA Construction Method: County: Elevation (m): Municipality: **GLOUCESTER TOWNSHIP**

Elevation Reliability: Site Info: Depth to Bedrock: Lot: 021

Well Depth: Concession: BF

Overburden/Bedrock: Concession Name: Pump Rate: Easting NAD83:

Static Water Level: Northing NAD83: Flowing (Y/N): Zone: UTM Reliability:

Flow Rate: Clear/Cloudy:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1533454.pdf PDF URL (Map):

Bore Hole Information

Bore Hole ID: 10530201 88.014953 Elevation: DP2BR: 58 Elevrc:

Spatial Status: Zone:

Code OB: East83: 444886.3 Code OB Desc: **Bedrock** North83: 5012445 Org CS: Open Hole:

Cluster Kind: UTMRC: 5

Date Completed: **UTMRC Desc:** margin of error: 100 m - 300 m 11/7/2002

18

Remarks: Location Method: Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: **Source Revision Comment:**

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 932881198

Layer: 2 Color: General Color: **GREY** Mat1: 15

LIMESTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 58

Formation End Depth: 101
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932881197

Layer: 1
Color:

General Color:

Mat1: 05
Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 58
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 933230509

 Layer:
 1

 Plug From:
 2

 Plug To:
 66

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961533454

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 11078771

Casing No: Comment: Alt Name:

Construction Record - Casing

Casing ID: 930096981

Layer: 3 Material: 4

Open Hole or Material: OPEN HOLE

Depth From: Depth To:

Casing Diameter: 6
Casing Diameter UOM: inch

Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930096980

Layer: 2 Material: 1

Open Hole or Material:

Depth From: Depth To:

Casing Diameter: 6 Casing Diameter UOM: inch Casing Depth UOM:

Construction Record - Casing

Casing ID: 930096979

STEEL

Layer: Material:

OPEN HOLE Open Hole or Material:

Depth From: Depth To:

8 Casing Diameter: Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991533454

Pump Set At:

Static Level: 13 Final Level After Pumping: 65 Recommended Pump Depth: 65 Pumping Rate: 30 Flowing Rate: Recommended Pump Rate: 30 Levels UOM: ft **GPM** Rate UOM: Water State After Test Code: CLOUDY Water State After Test: Pumping Test Method: **Pumping Duration HR:** 0 **Pumping Duration MIN:** No

Draw Down & Recovery

Flowing:

Pump Test Detail ID: 934912886 Recovery Test Type: Test Duration: 60 13 Test Level: Test Level UOM:

Draw Down & Recovery

934120208 Pump Test Detail ID: Recovery Test Type: Test Duration: 15 13 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934664342 Test Type: Recovery Test Duration: 45 Test Level: 13 Test Level UOM: ft

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

Draw Down & Recovery

Pump Test Detail ID: 934395062 Test Type: Recovery Test Duration: 30 13 Test Level: Test Level UOM: ft

Water Details

Water ID: 934022928

Layer: 2 Kind Code: 5

Not stated Kind: Water Found Depth: 89 Water Found Depth UOM: ft

Water Details

Water ID: 934022927

Layer: Kind Code: 5

Kind: Not stated Water Found Depth: 70 Water Found Depth UOM: ft

1 of 1 80.9 / 1.00 3 SE/68.9 lot 21 **WWIS** ON

Well ID: 1533456

Construction Date:

Primary Water Use: Domestic Sec. Water Use: Final Well Status: Water Supply

Water Type: Casing Material:

Audit No: 237962

Tag: **Construction Method:**

Elevation (m): Elevation Reliability: Depth to Bedrock:

Well Depth:

. Overburden/Bedrock:

Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate:

Clear/Cloudy:

Data Entry Status:

Data Src: Date Received:

12/23/2002 Selected Flag: Yes Abandonment Rec: Contractor: 1119 Form Version: 1

Owner: Street Name:

County: **OTTAWA**

Municipality: **GLOUCESTER TOWNSHIP**

Site Info:

Lot: 021

Concession:

Concession Name: BF

Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

 $https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\backslash1533456.pdf$ PDF URL (Map):

Bore Hole Information

Bore Hole ID: 10530203 88.002105 Elevation:

DP2BR: 58 Elevrc:

Spatial Status: Zone: 18 Code OB: East83: 444887.3 Bedrock Code OB Desc: 5012443 North83:

Open Hole: Org CS:

Cluster Kind: **UTMRC:**

Date Completed: 11/7/2002 **UTMRC Desc:** margin of error: 100 m - 300 m

Location Method:

gis

Remarks:

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 932881199

 Layer:
 1

 Color:
 6

Mat3:

Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 18
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 932881202

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 18

Most Common Material: SANDSTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 148
Formation End Depth: 181
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 932881201

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 58
Formation End Depth: 148
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 932881200

 Layer:
 2

 Color:
 3

 General Color:
 BLUE

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 18
Formation End Depth: 58
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 933230510

 Layer:
 1

 Plug From:
 2

 Plug To:
 67

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961533456

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 11078773

Casing No: 1
Comment:

Construction Record - Casing

Casing ID: 930096984

Layer: 3
Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Alt Name:

Depth To:

Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930096982

Layer: 1 Material: 4

Open Hole or Material: OPEN HOLE

Depth From: Depth To:

Casing Diameter: 8
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930096983

Layer: 2 Material: Open Hole or Material: **STEEL**

Depth From:

Casing Depth UOM:

Depth To: Casing Diameter: 6 Casing Diameter UOM: inch ft

Results of Well Yield Testing

Pump Test ID: 991533456

Pump Set At: Static Level: 56 Final Level After Pumping: 170 Recommended Pump Depth: 170 Pumping Rate: 10

Flowing Rate:

Recommended Pump Rate: 10 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: 2

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

Draw Down & Recovery

Pump Test Detail ID: 934912887 Recovery Test Type: Test Duration: 60 Test Level: 56 Test Level UOM: ft

Draw Down & Recovery

934395063 Pump Test Detail ID: Test Type: Recovery Test Duration: 30 Test Level: 56 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934664343 Test Type: Recovery Test Duration: 45 Test Level: 56 Test Level UOM: ft

Draw Down & Recovery

934120209 Pump Test Detail ID: Test Type: Recovery Test Duration: 15 Test Level: 56

Test Level UOM: ft

Water Details

 Water ID:
 934022930

 Layer:
 2

Kind Code: 5

Kind: Not stated
Water Found Depth: 173
Water Found Depth UOM: ft

Water Details

Water ID: 934022929

Layer: 1 Kind Code: 5

Kind: Not stated
Water Found Depth: 170
Water Found Depth UOM: ft

4 1 of 1 SE/74.7 80.8 / 0.95
ON
BORE

45.263224

 Borehole ID:
 612025
 Inclin FLG:
 No

 OGF ID:
 215513335
 SP Status:
 Initial Entry

Status:Surv Elev:NoType:BoreholePiezometer:NoUse:Primary Name:

Use: Pri Completion Date: MAY-1971 Mu

Completion Date: MAY-1971 Municipality:
Static Water Level: Lot:

Primary Water Use: Township: Sec. Water Use: Latitude DD:

Total Depth m:75.6Longitude DD:-75.702572Depth Ref:Ground SurfaceUTM Zone:18Ponth Flow:Fasting:444881

 Depth Elev:
 Easting:
 444881

 Drill Method:
 Northing:
 5012432

 Orig Ground Elev m:
 88.4
 Location Accuracy:

Elev Reliabil Note: Accuracy: Not Applicable

DEM Ground Elev m: 87.8

Concession: Location D: Survey D: Comments:

Borehole Geology Stratum

Geology Stratum ID:218389845Mat Consistency:Top Depth:20.1Material Moisture:Bottom Depth:38.1Material Texture:Material Color:BlueNon Geo Mat Type:Material 1:LimestoneGeologic Formation

Material 1: Limestone Geologic Formation:
Material 2: Geologic Group:
Material 3: Geologic Period:
Material 4: Depositional Gen:
Gsc Material Description:

Stratum Description: LIMESTONE. BLUE.

Geology Stratum ID:218389843Mat Consistency:Top Depth:6.1Material Moisture:Bottom Depth:18.3Material Texture:Material Color:BlueNon Geo Mat Type:Material 1:ClayGeologic Formation:

Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

Material 2:Geologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: CLAY. BLUE.

Geology Stratum ID: 218389846 Mat Consistency: Material Moisture: Top Depth: 38.1 **Bottom Depth:** 75.6 Material Texture: Material Color: Grey Non Geo Mat Type: Sandstone Material 1: Geologic Formation: Material 2: Quartzite Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: SANDSTONE, QUARTZITE. GREY. 0020000223BEDROCK. SEISMIC VELOCITY = 17000. 200135076 BR **Note:

Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 218389842 Mat Consistency: Top Depth: 0 Material Moisture: Bottom Depth: 6.1 Material Texture: Material Color: Brown Non Geo Mat Type: Clay Material 1: Geologic Formation: Geologic Group: Material 2: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: CLAY. BROWN.

Geology Stratum ID: 218389844 Mat Consistency: Hard

Material Moisture: Top Depth: 18.3 **Bottom Depth:** 20.1 Material Texture: Material Color: Brown Non Geo Mat Type: Material 1: Geologic Formation: Material 2: **Boulders** Geologic Group: Geologic Period: Material 3: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: HARDPAN, BOULDERS. BROWN.

Source

Source Type: Data Survey Source Appl: Spatial/Tabular

Source Orig:Geological Survey of CanadaSource Iden:1Source Date:1956-1972Scale or Res:VariesConfidence:Horizontal:NAD27

Observatio: Verticalda: Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 04533 NTS_Sheet:

Confiden 1:

Source List

Source Identifier: 1 Horizontal Datum: NAD27

Source Type:Data SurveyVertical Datum:Mean Average Sea LevelSource Date:1956-1972Projection Name:Universal Transverse Mercator

Scale or Resolution: Varies

Source Name: Urban Geology Automated Information System (UGAIS)

Source Originators: Geological Survey of Canada

5 1 of 1 SE/74.7 80.8 / 0.95 lot 21 ON WWIS

Data Entry Status:

OTTAWA

Order No: 21011800277

Data Src:

Well ID: 1511327

Construction Date:

8/19/1971 Primary Water Use: Domestic Date Received: Sec. Water Use: Selected Flag: Yes

Final Well Status: Water Supply

Abandonment Rec: Contractor: 1558 Water Type: Casing Material: Form Version: 1 Audit No: Owner:

Street Name: Tag: **Construction Method:** County:

Elevation (m): Municipality: **GLOUCESTER TOWNSHIP** Elevation Reliability: Site Info:

Depth to Bedrock: 021 Lot: Well Depth: Concession:

Overburden/Bedrock: Concession Name: BF Pump Rate: Easting NAD83: Static Water Level: Northing NAD83:

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

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511327.pdf

Bore Hole Information

Clear/Cloudy:

Bore Hole ID: 10033323 Elevation: 87.812126

DP2BR: 66 Elevrc:

Spatial Status: Zone: 18

Code OB: East83: 444880.8 Code OB Desc: Bedrock North83: 5012432 Open Hole: Org CS:

Cluster Kind: UTMRC:

Date Completed: 5/17/1971 **UTMRC Desc:** margin of error: 30 m - 100 m Location Method:

Remarks: Elevrc Desc:

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

Overburden and Bedrock Materials Interval

Formation ID: 931017369

Layer: 4 Color: 3 General Color: **BLUE** Mat1: 15

LIMESTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 66 Formation End Depth: 125 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931017370

Layer:

 Color:
 2

 General Color:
 GREY

 Mat1:
 18

Most Common Material: SANDSTONE

Mat2: 20

Mat2 Desc: QUARTZITE

Mat3: Mat3 Desc:

Formation Top Depth: 125
Formation End Depth: 248
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931017367

 Layer:
 2

 Color:
 3

 General Color:
 BLUE

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 20 Formation End Depth: 60 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931017366

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

Mat1: 05
Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 20
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931017368

 Layer:
 3

 Color:
 6

 General Color:
 BROWN

 Mat1:
 14

Most Common Material: HARDPAN

Mat2: 13

Mat2 Desc: BOULDERS

Mat3:

Mat3 Desc:

Formation Top Depth: 60
Formation End Depth: 66
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961511327

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10581893

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930059149

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 71
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930059150

Layer: 2

Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 248
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991511327

Pump Set At:
Static Level: 20
Final Level After Pumping: 120
Recommended Pump Depth: 125

Pumping Rate: 4

Flowing Rate:

Recommended Pump Rate: 4
Levels UOM: ft
Rate UOM: GPM

Water State After Test Code: 1

Water State After Test: CLEAR
Pumping Test Method: 1

Pumping Test Method:1Pumping Duration HR:1Pumping Duration MIN:0Flowing:No

Draw Down & Recovery

Pump Test Detail ID: 934097019

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 80

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934643417

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 120

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934382256

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 120

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934900200

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 120

 Test Level UOM:
 ft

Water Details

 Water ID:
 933466444

 Layer:
 2

 Kind Code:
 1

Kind: FRESH
Water Found Depth: 223
Water Found Depth UOM: ft

Water Details

Water ID: 933466443

Layer: 1
Kind Code: 1

Kind: FRESH
Water Found Depth: 200
Water Found Depth UOM: ft

Water Details

 Water ID:
 933466445

 Layer:
 3

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 245

 Water Found Depth UOM:
 ft

6 1 of 1 N/214.4 82.0 / 2.08 lot 21 WWIS

Order No: 21011800277

Well ID: 1500324 Data Entry Status:

Construction Date:

Primary Water Use: Domestic

Sec. Water Use: 0

Final Well Status: Water Supply

Water Type: Casing Material:

Audit No: Tag:

Construction Method:

Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth:

Overburden/Bedrock:

Pump Rate: Static Water Level: Flowing (Y/N):

Flow Rate: Clear/Cloudy: Data Src: 1

Date Received: 12/3/1963 Selected Flag: Yes

Abandonment Rec:

Contractor: 1503 Form Version: 1

Owner: Street Name:

County: OTTAWA

Municipality: GLOUCESTER TOWNSHIP

Site Info: Lot: 021

Concession:

Concession Name: BF

Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1500324.pdf

Bore Hole Information

Bore Hole ID: 10022369

DP2BR: 64

Spatial Status: Code OB:

Code OB Desc: Bedrock

Open Hole:

Cluster Kind:

Date Completed: 8/23/1963

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Elevation: 84.556686

Elevrc:

Zone: 18

East83: 444830.8 **North83:** 5012712

Org CS:

UTMRC: 5

UTMRC Desc: margin of error: 100 m - 300 m

Order No: 21011800277

Location Method: p5

Overburden and Bedrock

Materials Interval

Formation ID: 930988966

Layer: 3

Color: General Color:

Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 64
Formation End Depth: 98
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930988964

Layer: 1

Color:

General Color:

Mat1: 05
Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 60
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930988967

Layer:

Color:

General Color:

Mat1: 18

Most Common Material: SANDSTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 98
Formation End Depth: 205
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930988965

Layer: 2

Color:

General Color:

Mat1: 11

Most Common Material: GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 60
Formation End Depth: 64
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930988968

Layer: 5

Color:

General Color:

Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 205
Formation End Depth: 211
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961500324

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10570939

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930037671

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To:65Casing Diameter:7Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930037672

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 211
Casing Diameter: 7
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991500324

Pump Set At:

Static Level: 17
Final Level After Pumping: 105
Recommended Pump Depth: 120
Pumping Rate: 10
Flowing Rate:

Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2

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

Water Details

Water ID: 933452841

Layer: 3

Kind Code: 3

Kind: SULPHUR
Water Found Depth: 209
Water Found Depth UOM: ft

Water Details

Water ID: 933452839

Layer: 1
Kind Code: 3

Kind: SULPHUR
Water Found Depth: 90
Water Found Depth UOM: ft

Water Details

Water ID: 933452840

Layer: 2 Kind Code: 3

Kind: SULPHUR
Water Found Depth: 140
Water Found Depth UOM: ft

7 1 of 1 N/214.5 82.0 / 2.08 ON BORE

No

45.265741

Order No: 21011800277

Borehole ID: 612045 Inclin FLG: No

 OGF ID:
 215513355
 SP Status:
 Initial Entry

 Status:
 Surv Elev:
 No

Status: Surv Elev:
Type: Borehole Piezometer:

Use:Primary Name:Completion Date:AUG-1963Municipality:Static Water Level:Lot:

Primary Water Use:
Sec. Water Use:
Total Depth m:
64.3
Longitude DD:
Longitude DD:

 Total Depth m:
 64.3
 Longitude DD:
 -75.70324

 Depth Ref:
 Ground Surface
 UTM Zone:
 18

 Depth Elev:
 Easting:
 444831

Depth Elev: Easting: 444831

Drill Method: Northing: 5012712

Orig Ground Elev m:83.8Location Accuracy:Elev Reliabil Note:Accuracy:Not Applicable

DEM Ground Elev m: 84.6 Concession: Location D:

Survey D: Comments:

Borehole Geology Stratum

Geology Stratum ID:218389904Mat Consistency:Top Depth:29.9Material Moisture:Bottom Depth:62.5Material Texture:Material Color:Non Geo Mat Type:

 Material 1:
 Sandstone
 Geologic Formation:

 Material 2:
 Geologic Group:

Material 2: Geologic Group:

Material 3: Geologic Period:

Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: SANDSTONE.

Geology Stratum ID:218389901Mat Consistency:Top Depth:0Material Moisture:

Material Texture:

Bottom Depth: 18.3

Material Color:Non Geo Mat Type:Material 1:ClayGeologic Formation:Material 2:Geologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: CLAY.

Geology Stratum ID: 218389905 Mat Consistency:
Top Depth: 62.5 Material Moisture:
Bottom Depth: 64.3 Material Texture:
Material Color: Non Geo Mat Type:
Material 1: Geologic Formation

Material 1:LimestoneGeologic Formation:Material 2:Geologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: LIMESTONE. 00140STONE. 0. BEDROCK. SEISMIC VELOCITY = 18500. BEDROCK. SEISMIC VELOCI **Note:

Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:218389902Mat Consistency:Top Depth:18.3Material Moisture:Bottom Depth:19.5Material Texture:Material Color:Non Geo Mat Type:

Material 1:GravelGeologic Formation:Material 2:Geologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: GRAVEL.

Geology Stratum ID:218389903Mat Consistency:Top Depth:19.5Material Moisture:Bottom Depth:29.9Material Texture:Material Color:Non Geo Mat Type:Material 1:LimestoneGeologic Formation:

Material 1:LimestoneGeologic FormationMaterial 2:Geologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: LIMESTONE.

Source

Source Type: Data Survey Source Appl: Spatial/Tabular

Source Orig:Geological Survey of CanadaSource Iden:1Source Date:1956-1972Scale or Res:VariesConfidence:Horizontal:NAD27

Observatio: Verticalda: Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS)

Source Details: File: OTTAWA1.txt RecordID: 04553 NTS_Sheet: Confiden 1:

Source List

Source Identifier: 1 Horizontal Datum: NAD27

Source Type:Data SurveyVertical Datum:Mean Average Sea LevelSource Date:1956-1972Projection Name:Universal Transverse Mercator

Order No: 21011800277

Scale or Resolution: Varies

Source Name: Urban Geology Automated Information System (UGAIS)

Source Originators: Geological Survey of Canada

8 1 of 1 E/217.5 84.1 / 4.21 lot 21 ON WWIS

Well ID: 1500325 Data Entry Status:

 Construction Date:
 Data Src:
 1

 Primary Water Use:
 Domestic
 Date Received:
 8/8/1967

 Sec. Water Use:
 0
 Selected Flag:
 Yes

Final Well Status: Water Supply

Water Supply

Contractor: 1301

Casing Material: Form Version: 1

Audit No: Owner:

Tag: Owner: Street Name:

 Construction Method:
 County:
 OTTAWA

 Elevation (m):
 Municipality:
 GLOUCESTER TOWNSHIP

Elevation Reliability: Site Info:

Depth to Bedrock:Lot:021Well Depth:Concession:

Overburden/Bedrock:Concession Name:BFPump Rate:Easting NAD83:Static Water Level:Northing NAD83:

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

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1500325.pdf

Bore Hole Information

Bore Hole ID: 10022370 **Elevation:** 88.726943

 DP2BR:
 60
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 r
 East83:
 445060.8

 Code OB Desc:
 Bedrock
 North83:
 5012532

Code OB Desc: Bedrock North83: 50
Open Hole: Org CS:

 Cluster Kind:
 UTMRC:
 5

 Date Completed:
 7/22/1967
 UTMRC Desc:
 margin of error: 100 m - 300 m

Order No: 21011800277

Remarks: Location Method: p5
Elevrc Desc:

Source Revision Comment: Supplier Comment:

Overburden and Bedrock
Materials Interval

Location Source Date: Improvement Location Source: Improvement Location Method:

Formation ID: 930988969

Layer: 1

Color: General Color:

Mat1: 05

Most Common Material: CLAY Mat2:

Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth:

Formation Top Depth: 0
Formation End Depth: 15
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930988972

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 60
Formation End Depth: 85
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930988971

Layer:

Color: General Color:

Mat1: 09

Most Common Material: MEDIUM SAND

Mat2: 13

Mat2 Desc: BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 50
Formation End Depth: 60
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930988970

Layer: 2

Color:

General Color:

Mat1:05Most Common Material:CLAYMat2:13

Mat2 Desc: BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 15
Formation End Depth: 50
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961500325

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10570940

Casing No:

Comment:

Alt Name:

Construction Record - Casing

 Casing ID:
 930037673

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 64

 Casing Diameter:
 5

 Casing Diameter UOM:
 inch

ft

Construction Record - Casing

 Casing ID:
 930037674

 Layer:
 2

Material: 4
Open Hole or Material: OPEN HOLE

Open Hole or Material: Depth From:

Casing Depth UOM:

Depth To: 85
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991500325

Pump Set At:

Static Level: 15
Final Level After Pumping: 20
Recommended Pump Depth: 25
Pumping Rate: 30
Flowing Rate:

 Recommended Pump Rate:
 30

 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 Found Depth UOM:

 Water ID:
 933452842

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 82

9 1 of 1 E/219.3 84.2 / 4.37 PIPIELINE HIT 1/2"

448 HARESFIELD CRT,,MANOTICK,ON,K4M 0B6,

CA ON

Incident ID: Fuel Category:
Incident No: 1381862 Health Impact:
Incident Reported Dt: 4/28/2014 Environment Impact:

ft

PINC

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

FS-Pipeline Incident Type:

Status Code: **Customer Acct Name:**

448 HARESFIELD CRT,,MANOTICK,ON,K4M Incident Address:

0B6,CA

Tank Status: Non Mandated

Task No:

Spills Action Centre:

Fuel Type:

Fuel Occurrence Tp: Date of Occurrence: Occurrence Start Dt: Operation Type: Pipeline Type: Regulator Type: Summary: Reported By: Affiliation:

PIPIELINE HIT 1/2"

Service Interupt: Enforce Policy: Public Relation:

> Pipeline System: Depth: Pipe Material:

Property Damage:

PSIG:

Attribute Category: Regulator Location: Method Details:

Occurrence Desc: Damage Reason:

Notes:

Use:

ENE/222.5 1 of 1 86.2 / 6.31 10

Inclin FLG: No SP Status: Initial Entry Surv Elev: No Piezometer: No

Primary Name: Municipality:

Lot:

ON

Township: Latitude DD:

45.264946 Lonaitude DD: -75.700681 UTM Zone: 18 445031 Easting: Northing: 5012622

Location Accuracy:

Mat Consistency:

Material Moisture:

Non Geo Mat Type: Geologic Formation:

Material Texture:

Geologic Group:

Geologic Period:

Depositional Gen:

Accuracy: Not Applicable

612036 Borehole ID:

4.9

OGF ID: 215513346 Status: Borehole Type:

Completion Date: Static Water Level:

Primary Water Use:

Sec. Water Use: Total Depth m:

-999 Depth Ref: **Ground Surface**

Depth Elev:

Drill Method:

Orig Ground Elev m: 88.4 Elev Reliabil Note: 89.2

DEM Ground Elev m: Concession: Location D: Survey D: Comments:

Borehole Geology Stratum

218389879 Geology Stratum ID: 15.2 Top Depth: **Bottom Depth:** 24.4

Material Color: Material 1:

Sand Material 2: **Boulders** Material 3: Material 4:

Gsc Material Description:

Stratum Description: SAND, BOULDERS. WATER STABLE AT 274.0 FEET.

Geology Stratum ID: 218389880 Top Depth: 24.4 **Bottom Depth:**

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

Material Color:

Order No: 21011800277

BORE

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

Material 1: **Bedrock** Geologic Formation: Material 2: Limestone Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

BEDROCK, LIMESTONE. 0006400122LIMESTONE. 0223BEDROCK. SEISMIC VELOCITY = 17000. Stratum Description:

Geology Stratum ID: 218389878 Mat Consistency: Top Depth: 4.6 Material Moisture: **Bottom Depth:** 15.2 Material Texture: Material Color: Non Geo Mat Type: Material 1: Till Geologic Formation: Material 2: Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

TILL. Stratum Description:

Geology Stratum ID: 218389877 Mat Consistency: Top Depth: Material Moisture: Material Texture: **Bottom Depth:** 4.6 Material Color: Non Geo Mat Type: Material 1: Clay Geologic Formation: Material 2: Geologic Group: Material 3: Geologic Period: Depositional Gen:

Gsc Material Description:

Stratum Description: CLAY.

Source

Material 4:

Spatial/Tabular Source Type: Data Survey Source Appl:

Source Orig: Geological Survey of Canada Source Iden: 1956-1972 Source Date: 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: 045440 NTS_Sheet: 31G05B

Reliable information but incomplete. Confiden 1:

Source List

Source Identifier: 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

Urban Geology Automated Information System (UGAIS) Source Name:

Source Originators: Geological Survey of Canada

E/231.8 82.8 / 2.91 11 1 of 1 lot 21 **WWIS** ON

Order No: 21011800277

Well ID: 1516160 Data Entry Status:

Construction Date: Data Src:

Primary Water Use: Domestic Date Received: 9/14/1977 Sec. Water Use: Selected Flag: 0 Yes

Final Well Status: Water Supply Abandonment Rec: Water Type: Contractor: 1558 Form Version: 1

Casing Material: Audit No: Owner: Street Name:

Construction Method: County: **OTTAWA**

Elevation (m): Municipality: GLOUCESTER TOWNSHIP

Elevation Reliability: Site Info:

Depth to Bedrock:Lot:021Well Depth:Concession:Overburden/Bedrock:Concession Name:BF

Pump Rate:Easting NAD83:Static Water Level:Northing NAD83:Flowing (Y/N):Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1516160.pdf

Bore Hole Information

Bore Hole ID: 10038093 **Elevation:** 87.310859

DP2BR: 70 Elevro:

Spatial Status: Zone: 18

 Code OB:
 r
 East83:
 445070.8

 Code OB Desc:
 Bedrock
 North83:
 5012442

 Open Hole:
 Org CS:

 Cluster Kind:
 UTMRC:
 4

 Date Completed:
 8/4/1977
 UTMRC Desc:
 margin of error : 30 m - 100 m

Remarks: Location Method: Elevrc Desc:

Source Revision Comment: Supplier Comment:

Location Source Date: Improvement Location Source: Improvement Location Method:

Overburden and Bedrock

Materials Interval

Formation ID: 931031310

 Layer:
 2

 Color:
 3

 General Color:
 BLUE

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 85

SOFT

Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 9
Formation End Depth: 38
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931031311

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 28

 Most Common Material:
 SAND

 Mat2:
 11

 Mat2 Desc:
 GRAVEL

 Mat3:
 13

Mat2 Desc: GRAVEL
Mat3: 13
Mat3 Desc: BOULDERS

Formation Top Depth: 38
Formation End Depth: 70
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931031309

Layer:

Color: 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 79

 Mat2 Desc:
 PACKED

Mat3: Mat3 Desc:

Formation Top Depth: 0 Formation End Depth: 9 Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931031312

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 18

Most Common Material: SANDSTONE

Mat2: 73
Mat2 Desc: HARD

Mat3: Mat3 Desc:

Formation Top Depth: 70
Formation End Depth: 175
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961516160

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10586663

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930067040

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To:73Casing Diameter:6Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930067041

Layer: 2 Material:

OPEN HOLE Open Hole or Material:

Depth From:

175 Depth To: Casing Diameter: 6 Casing Diameter UOM: inch ft Casing Depth UOM:

Results of Well Yield Testing

Pump Test ID: 991516160

Pump Set At: Static Level: 20 Final Level After Pumping: 45 Recommended Pump Depth: 50 Pumping Rate: 15 Flowing Rate:

Recommended Pump Rate: 5 Levels UOM: ft **GPM** Rate UOM: Water State After Test Code:

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

Draw Down & Recovery

934101689 Pump Test Detail ID: Draw Down Test Type:

Test Duration: 15 Test Level: 45 Test Level UOM: ft

Draw Down & Recovery

934640818 Pump Test Detail ID: Test Type: Draw Down

45 Test Duration: Test Level: 45 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934379306 Test Type: Draw Down

Test Duration: 30 Test Level: 45 Test Level UOM: ft

Draw Down & Recovery

934898302 Pump Test Detail ID: Test Type: Draw Down Test Duration: 60

Test Level: 45

Test Level UOM: ft

Water Details

Water ID: 933472409 Layer:

Kind Code: **FRESH** Kind: Water Found Depth: 170

Water Found Depth UOM:

1 of 1 ENE/247.1 87.9 / 8.00 lot 21 12 **WWIS** ON

Well ID: 1513342 Data Entry Status:

Construction Date: Data Src:

8/13/1973 Primary Water Use: Domestic Date Received: Sec. Water Use: Selected Flag: Yes

Final Well Status: Abandonment Rec: Water Supply Contractor:

1558 Water Type: Casing Material: Form Version: 1 Audit No: Owner:

Tag: Street Name:

OTTAWA Construction Method: County:

Municipality: GLOUCESTER TOWNSHIP Elevation (m): Elevation Reliability: Site Info:

Depth to Bedrock: Lot: 021 Concession: Well Depth:

Overburden/Bedrock: Concession Name: BF Pump Rate: Easting NAD83: Static Water Level: Northing NAD83:

Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513342.pdf PDF URL (Map):

Bore Hole Information

Bore Hole ID: 10035329 Elevation: 89.216896

DP2BR: 73 Elevrc:

Spatial Status: Zone: 18 445030.8 Code OB: East83: Code OB Desc: Bedrock North83: 5012662

Open Hole: Org CS: Cluster Kind: UTMRC:

7/4/1973 UTMRC Desc: margin of error: 300 m - 1 km Date Completed:

Order No: 21011800277

Remarks: Location Method:

Elevrc Desc: Location Source Date:

Improvement Location Method: Source Revision Comment:

Improvement Location Source:

Overburden and Bedrock Materials Interval

Supplier Comment:

Formation ID: 931023090

Layer: Color: 6 **BROWN** General Color:

Mat1: 13

Most Common Material: BOULDERS Mat2:

Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 15
Formation End Depth: 35
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931023091

 Layer:
 3

 Color:
 3

 General Color:
 BLUE

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 13

 Mat2 Desc:
 BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 35
Formation End Depth: 60
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931023093

 Layer:
 5

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 73
Formation End Depth: 220
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931023094

 Layer:
 6

 Color:
 1

 General Color:
 WHITE

 Mat1:
 18

Most Common Material: SANDSTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 220
Formation End Depth: 272
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931023089

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 15
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931023092

Layer: Color: 2 **GREY** General Color: 05 Mat1: Most Common Material: CLAY 28 Mat2: Mat2 Desc: SAND Mat3: Mat3 Desc: **GRAVEL** Formation Top Depth: 60 Formation End Depth: 73 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961513342Method Construction Code:5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

 Pipe ID:
 10583899

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930062575

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To:75Casing Diameter:6Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test II		991513342			
Pump Set At Static Level:		14			
	After Pumping:	50			
Recommend	led Pump Depth:	60			
Pumping Ra		20			
Flowing Rate	e: led Pump Rate:	5			
Levels UOM		ft			
Rate UOM:		GPM			
	After Test Code:	1			
Water State . Pumping Tes		CLEAR 1			
Pumping Du		1			
Pumping Du		0			
Flowing:		No			
<u>Draw Down</u>	& Recovery				
Pump Test D	Detail ID:	934639564			
Test Type:		Draw Down			
Test Duratio	n:	45			
Test Level: Test Level U	OM-	50 ft			
rest Level o	O.M.				
<u>Draw Down</u>	-				
Pump_Test E	Detail ID:	934099038			
Test Type: Test Duratio		Draw Down			
Test Level:	n:	15 50			
Test Level U	ОМ:	ft			
<u>Draw Down</u>	& Recovery				
Pump Test D	Detail ID:	934378569			
Test Type:	ctun 15.	Draw Down			
Test Duratio	n:	30			
Test Level:		50			
Test Level U	OW:	ft			
Draw Down	& Recovery				
Pump Test D	Detail ID:	934897035			
Test Type:		Draw Down			
Test Duratio Test Level:	n:	60 50			
Test Level U	ОМ:	ft			
Water Detail	<u>s</u>				
Water ID:		933468873			
Layer:		1			
Kind Code:		1			
Kind:	l Domth	FRESH			
Water Found	i Depth: i Depth UOM:	271 ft			
- Tatel 1 Outle	. Dopai 00iii.				
<u>13</u>	1 of 1	ESE/248.5	83.6 / 3.69	lot 22 ON	wwis

Data Entry Status:

OTTAWA

Order No: 21011800277

Data Src:

Well ID: 1510831

Construction Date:

9/28/1970 Primary Water Use: Domestic Date Received: Selected Flag: Sec. Water Use: Yes

Final Well Status: Water Supply Abandonment Rec:

1558 Water Type: Contractor: Casing Material: Form Version: 1 Audit No: Owner:

Street Name: Tag: Construction Method: County:

Municipality: **GLOUCESTER TOWNSHIP** Elevation (m): Elevation Reliability: Site Info:

Depth to Bedrock: 022 Lot: Well Depth: Concession: Overburden/Bedrock: Concession Name: BF

Pump Rate: Easting NAD83: Static Water Level: Northing NAD83:

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

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510831.pdf

Bore Hole Information

Clear/Cloudy:

Bore Hole ID: 10032836 Elevation: 88.753211

DP2BR: 72 Elevrc:

Spatial Status: Zone: 18 Code OB: East83:

445030.8 Code OB Desc: Bedrock North83: 5012332 Open Hole: Org CS:

Cluster Kind: UTMRC:

Date Completed: 7/15/1970 **UTMRC Desc:** margin of error: 30 m - 100 m Location Method:

Remarks: Elevrc Desc:

Overburden and Bedrock

Materials Interval

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

Formation ID: 931015924

Layer: Color: 6 General Color: **BROWN**

Mat1: 05

Most Common Material: **CLAY** Mat2: Mat2 Desc: Mat3:

Mat3 Desc: Formation Top Depth: 0 Formation End Depth: 55 Formation End Depth UOM: ft

Overburden and Bedrock **Materials Interval**

Formation ID: 931015925 Layer:

 Color:
 2

 General Color:
 GREY

 Mat1:
 09

Most Common Material: MEDIUM SAND

Mat2: 13

Mat2 Desc: BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 55
Formation End Depth: 72
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931015926

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 18

Most Common Material: SANDSTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 72
Formation End Depth: 94
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961510831Method Construction Code:1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10581406

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930058226

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 77
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

 Casing ID:
 930058227

 Layer:
 2

Layer: 2
Material: 4

Open Hole or Material: OPEN HOLE

Depth From:
Depth To: 94
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991510831

Pump Set At:

20 Static Level: Final Level After Pumping: 60 Recommended Pump Depth: 80 Pumping Rate: 9 Flowing Rate: 5 Recommended Pump Rate: Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: 2

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

Draw Down & Recovery

 Pump Test Detail ID:
 934380128

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 60

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934097393

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 60

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934899046

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 60

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:934641704Test Type:Draw DownTest Duration:45

 Test Duration:
 45

 Test Level:
 60

 Test Level UOM:
 ft

Water Details

Water ID: 933465861 **Layer:** 1

Records

Kind Code: **FRESH** Kind: Water Found Depth: 92 Water Found Depth UOM: ft

14 1 of 1 W/258.3 75.9 / -3.98 lot 10 con 1 **WWIS** ON

Well ID: 1504664

Primary Water Use: Domestic

Sec. Water Use:

Final Well Status: Water Supply

Water Type: Casing Material: Audit No: Tag:

Construction Date:

Construction Method:

Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N):

Flow Rate: Clear/Cloudy: Data Entry Status:

Data Src:

Date Received: 9/21/1964 Selected Flag: Yes

Abandonment Rec:

Contractor: 4216 Form Version:

Owner: Street Name:

OTTAWA County:

Municipality: **NEPEAN TOWNSHIP**

Site Info: I of

010 Concession: 01 RF Concession Name:

Easting NAD83: Northing NAD83: Zone:

UTM Reliability:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504664.pdf PDF URL (Map):

Bore Hole Information

Bore Hole ID: 10026707 78.817199 Elevation:

DP2BR: 58

Spatial Status:

Code OB: Code OB Desc: **Bedrock**

Open Hole: Cluster Kind:

Elevrc Desc:

Date Completed: 8/20/1964

Remarks:

Location Source Date:

Improvement Location Source: Improvement Location Method: **Source Revision Comment:**

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931000100

Layer:

Color:

General Color:

Mat1: 05 Most Common Material: CLAY Mat2: 13

Mat2 Desc: **BOULDERS**

Mat3: Mat3 Desc:

0 Formation Top Depth:

Elevrc:

18 Zone:

East83: 444595.7 North83: 5012562 Org CS:

UTMRC: 5

margin of error : 100 m - 300 m **UTMRC Desc:**

Order No: 21011800277

Location Method:

Formation End Depth: 58
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931000101

Layer:

Color:

General Color:

Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 58
Formation End Depth: 175
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961504664
Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10575277

Casing No: 1
Comment:

Alt Name:

Construction Record - Casing

Casing ID: 930046150

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:175Casing Diameter:4Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930046149

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 60
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Map Key	Number Records		Elev/Diff (m)	Site		DB
Pump Test III Pump Set At Static Level: Final Level A Recommend Pumping Rate Flowing Rate Recommend Levels UOM: Water State A Pumping Tes Pumping Du Pumping Du Flowing:	After Pumpin led Pump Do te: e: led Pump Ro : After Test C After Test: st Method: ration HR:	epth: 75 5 ate: 75 ft GPM				
Water Details Water ID: Layer: Kind Code: Kind: Water Found	l Depth:	933457965 1 1 FRESH 175 ft				
<u>15</u>	1 of 1	SSE/262.8	81.9 / 2.00	274 RIVER RD MANOTICK ON		wwis
Well ID: Construction Primary Wate Sec. Water U Final Well St Water Type: Casing Mate Audit No: Tag: Construction Elevation (m Elevation Re Depth to Bec Well Depth: Overburden/ Pump Rate: Static Water Flowing (Y/N Flow Rate: Clear/Cloudy	er Use: Ise: Ise: Ise: Ise: Ise: Ise: Ise: I	7182221 Abandoned-Other Z126082 A061839		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	6/11/2012 Yes Yes 6894 7 274 RIVER RD OTTAWA GLOUCESTER TOWNSHIP	
PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/718\7182221.pdf						
Bore Hole In	formation					
Bore Hole ID DP2BR: Spatial Statu Code OB: Code OB De: Open Hole: Cluster Kind	sc: :	1003879095		Elevation: Elevrc: Zone: East83: North83: Org CS: UTIMPC December	86.748977 18 444890 5012239 UTM83 4	
Date Comple Remarks:	erea:	5/25/2012		UTMRC Desc: Location Method:	margin of error : 30 m - 100 m wwr	

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Annular Space/Abandonment

Sealing Record

1004337748 Plug ID:

Layer: Plug From: 2 Plug To: 0 Plug Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1004337747

Layer: Plug From: 45.6 Plug To: 2 ft Plug Depth UOM:

Method of Construction & Well

<u>Use</u>

1004337746 **Method Construction ID:**

Method Construction Code:

Method Construction: Digging

Other Method Construction:

Pipe Information

Pipe ID: 1004337740

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1004337744

Layer:

Material:

Open Hole or Material:

Depth From: Depth To:

60 Casing Diameter: Casing Diameter UOM: inch

Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1004337745

Layer: Slot:

Screen Top Depth:

Screen End Depth: Screen Material:

ft Screen Depth UOM:

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

Screen Diameter UOM:

Screen Diameter:

inch

Water Details

Water ID: 1004337743

Layer: Kind Code: Kind:

Water Found Depth: ft Water Found Depth UOM:

Hole Diameter

Hole ID: 1004337742

Diameter: Depth From: Depth To:

Hole Depth UOM: ft Hole Diameter UOM: inch

16 1 of 1 ESE/262.8 84.0 / 4.16 **BORE** ON

Borehole ID: 612022 Inclin FLG:

OGF ID: 215513332 SP Status: Initial Entry Status:

Type: Borehole

Use:

JUL-1957 Completion Date:

Static Water Level: Primary Water Use:

Sec. Water Use: Total Depth m:

15.5 Depth Ref: **Ground Surface**

Depth Elev: Drill Method:

Orig Ground Elev m:

88.7

Elev Reliabil Note:

DEM Ground Elev m: 88.9

Concession: Location D: Survey D: Comments:

No

Surv Elev: No Piezometer: No

Primary Name: Municipality:

Lot: Township:

Latitude DD: 45.262609 -75.700142 Longitude DD: UTM Zone: 18 Easting: 445071 Northing: 5012362

Location Accuracy:

Accuracy: Not Applicable

Order No: 21011800277

Borehole Geology Stratum

Geology Stratum ID: 218389834 Mat Consistency: Top Depth: 14 Material Moisture: **Bottom Depth:** 15.5 Material Texture: Material Color: Non Geo Mat Type: Grey Limestone Material 1: Geologic Formation: Material 2: Geologic Group: Material 3: Geologic Period:

Material 4: Gsc Material Description:

LIMESTONE. GREY. 000510.0 FEET.BEDROCK,LIMESTONE. NE. 00080CK. SEISMIC VELOCITY = **Note: Stratum Description:

Many records provided by the department have a truncated [Stratum Description] field.

Depositional Gen:

Geology Stratum ID: 218389833 Mat Consistency: 0 Material Moisture: Top Depth: Bottom Depth: 14 Material Texture:

Material Color:Non Geo Mat Type:Material 1:ClayGeologic Formation:Meterial 2:Coologic Groups

Material 2:Geologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: CLAY.

Source

Source Type: Data Survey Source Appl: Spatial/Tabular

Source Orig:Geological Survey of CanadaSource Iden:1Source Date:1956-1972Scale or Res:VariesConfidence:Horizontal:NAD27

Observatio: Verticalda: Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS)

Source Details: File: OTTAWA1.txt RecordID: 04530 NTS_Sheet: Confiden 1:

Source List

Source Identifier: 1 Horizontal Datum: NAD27

Source Type:Data SurveyVertical Datum:Mean Average Sea LevelSource Date:1956-1972Projection Name:Universal Transverse Mercator

Scale or Resolution: Varies
Source Name: Urban Geology Automated Information System (UGAIS)

Source Originators: Geological Survey of Canada

17 1 of 1 ESE/262.8 84.0 / 4.16 lot 22 ON WWIS

Well ID: 1500326 Data Entry Status:

Construction Date: Data Src: 1

 Primary Water Use:
 Domestic
 Date Received:
 8/14/1957

 Sec. Water Use:
 0
 Selected Flag:
 Yes

 Final Well Status:
 Water Supply
 Abandonment Rec:

 Water Type:
 Contractor:
 3601

Water Type:Contractor:3601Casing Material:Form Version:1Audit No:Owner:

 Tag:
 Street Name:

 Construction Method:
 County:
 OTTAWA

Elevation (m):Municipality:GLOUCESTER TOWNSHIPElevation Reliability:Site Info:

Depth to Bedrock: Lot: 022

Well Depth: Concession:
Overburden/Bedrock: Concession Name: BF

Pump Rate:Easting NAD83:Static Water Level:Northing NAD83:Flowing (Y/N):Zone:Flow Rate:UTM Reliability:Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1500326.pdf

Order No: 21011800277

Bore Hole Information

Bore Hole ID: 10022371 **Elevation:** 88.935165

DP2BR: 46 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 r
 East83:
 445070.8

 Code OB Desc:
 Bedrock
 North83:
 5012362

Open Hole: Org CS:

UTMRC:

UTMRC Desc:

Location Method:

5

р5

margin of error: 100 m - 300 m

Order No: 21011800277

Cluster Kind:

Date Completed: 7/6/1957

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 930988974

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 46
Formation End Depth: 51
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930988973

Layer:

Color: General Color:

Mat1: 05
Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 46
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961500326

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10570941

Casing No: Comment:

Alt Name:

Construction Record - Casing

Casing ID: 930037676

2 Layer: Material:

OPEN HOLE Open Hole or Material:

Depth From:

Depth To: 51 Casing Diameter: 4 Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

930037675 Casing ID:

Layer: Material: STEEL Open Hole or Material:

Depth From:

Depth To: 46 Casing Diameter: 4 Casing Diameter UOM: inch Casing Depth UOM:

Results of Well Yield Testing

991500326 Pump Test ID:

Pump Set At:

Static Level: 11 Final Level After Pumping: 16 Recommended Pump Depth: 5

Pumping Rate:

Flowing Rate:

Recommended Pump Rate:

Levels UOM: ft **GPM** Rate UOM: Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: 1 Pumping Duration HR: 1 **Pumping Duration MIN:** 0 Flowing: No

Water Details

Water ID: 933452843 Layer: 1 Kind Code: **FRESH** Kind: Water Found Depth: 51

Water Found Depth UOM:

18 1 of 1 W/279.5 75.9 / -4.00 55 LODGE RD lot 10 con 1 **WWIS** OTTAWA ON

Well ID: 1536500

Construction Date: Primary Water Use: Sec. Water Use:

Abandoned-Other Final Well Status:

Water Type: Casing Material:

Audit No: Z40116

A036336 **Construction Method:**

Date Received: 8/1/2006 Selected Flag: Yes Abandonment Rec: Yes Contractor: 4006 Form Version: 3

Owner:

Data Entry Status: Data Src:

55 LODGE RD Street Name: **OTTAWA** County:

Elevation (m): Municipality: 15000
Elevation Reliability: Site Info:

 Depth to Bedrock:
 Lot:
 010

 Well Depth:
 Concession:
 01

 Overburden/Bedrock:
 Concession Name:
 RF

Pump Rate:Easting NAD83:Static Water Level:Northing NAD83:Flowing (Y/N):Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536500.pdf

Bore Hole Information

Bore Hole ID: 11550566 **Elevation:** 80.803619

DP2BR: Elevra:

 Spatial Status:
 Zone:
 18

 Code OB:
 _
 East83:
 444567.2

 Code OB Desc:
 No formation data
 North83:
 5012519

 Open Hole:
 Org CS:
 UTM83

 Cluster Kind:
 UTMRC:
 3

 Date Completed:
 2/6/2006
 UTMRC Desc:
 margin of error: 10 - 30 m

Remarks: Location Method: wwn

Elevrc Desc:

Location Source Date:

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

Annular Space/Abandonment Sealing Record

 Plug ID:
 933298373

 Layer:
 1

 Plug From:
 62

 Plug To:
 0

 Plug Depth UOM:
 ft

Method of Construction & Well

Use

Method Construction ID: 961536500

Method Construction Code: Method Construction: Other Method Construction:

Pipe Information

 Pipe ID:
 11560173

 Casing No:
 1

Casing No: Comment: Alt Name:

19 1 of 1 ESE/293.6 85.3 / 5.42 lot 22 ON WWIS

Order No: 21011800277

Well ID: 1500327 Data Entry Status:

Construction Date: Data Src:

Primary Water Use:DomesticDate Received:8/14/1957Sec. Water Use:0Selected Flag:Yes

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

Final Well Status: Water Supply

Abandonment Rec: Water Type: Contractor: 3601 Casing Material: Form Version: 1 Audit No: Owner:

Tag: Street Name: **Construction Method:** County:

OTTAWA Elevation (m): Municipality: **GLOUCESTER TOWNSHIP**

Elevation Reliability: Site Info: Depth to Bedrock: Lot: 022 Well Depth: Concession: BF Concession Name:

Overburden/Bedrock: Pump Rate: Easting NAD83: Static Water Level: Northing NAD83:

Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1500327.pdf

Bore Hole Information

10022372 88.767036 Bore Hole ID: Elevation: DP2BR: 46 Elevrc:

18 Spatial Status: Zone: Code OB: East83: 445080.8 5012322

Code OB Desc: **Bedrock** North83: Open Hole: Org CS:

Cluster Kind: UTMRC: 5 Date Completed: 7/18/1957 UTMRC Desc: margin of error: 100 m - 300 m

Remarks: Location Method:

Elevrc Desc: Location Source Date:

Overburden and Bedrock

Materials Interval

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

930988976

Formation ID: Layer: Color: General Color: **GREY** Mat1: 15

LIMESTONE Most Common Material: Mat2:

Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth:

46 51 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 930988975

Layer:

Color: General Color:

05 Mat1:

CLAY Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 46
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961500327

Method Construction Code:1Method Construction:Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10570942

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

 Casing ID:
 930037677

 Layer:
 1

 Material:
 1

Open Hole or Material: STEEL

Depth From:

Depth To: 46
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930037678

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:51Casing Diameter:4Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991500327

Pump Set At:

Static Level: 11
Final Level After Pumping: 16
Recommended Pump Depth:

Pumping Rate: 5
Flowing Rate:

Recommended Pump Rate:

Recommended 7 dring Nates.

Levels UOM:

Rate UOM:

Water State After Test Code:

Water State After Test:

CLEAR

Pumping Test Method:

1

Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933452844

Layer: 1
Kind Code: 1

Kind: FRESH
Water Found Depth: 51
Water Found Depth UOM: ft

20 1 of 3 S/306.9 82.0 / 2.14 Riverside South Development Corp.

750 River Rd Ottawa ON K1G 2H5 **ECA**

ECA

Order No: 21011800277

 Approval No:
 7178-B3FHZ5
 MOE District:

 Approval Date:
 2018-08-20
 City:

 Status:
 Revoked and/or Replaced
 Longitude:

 Record Type:
 ECA
 Latitude:

 Link Source:
 IDS
 Geometry X:

SWP Area Name:Geometry Y:Approval Type:ECA-MUNICIPAL AND PRIVATE SEWAGE WORKSProject Type:MUNICIPAL AND PRIVATE SEWAGE WORKS

Address: 750 River Rd

Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3523-B36J44-14.pdf

20 2 of 3 S/306.9 82.0 / 2.14 Riverside South Development Corp.

750 River Rd Ottawa ON K1G 2H5

Approval No:7890-B4CNRHMOE District:Approval Date:2018-09-07City:Status:Revoked and/or ReplacedLongitude:Record Type:ECALatitude:Link Source:IDSGeometry X:

SWP Area Name:

Approval Type:

Geometry Y:

Geometry Y:

Approval Type:

ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS

Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: 750 River Rd

Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/9595-B43NHT-13.pdf

20 3 of 3 S/306.9 82.0 / 2.14 Riverside South Development Corp. FCA

Ottawa ON K1G 2H5

6798-B9LR4Y Approval No: **MOE District:** 2019-03-05 Approval Date: City: Status: Approved Longitude: Record Type: **ECA** Latitude: IDS Link Source: Geometry X: SWP Area Name: Geometry Y:

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS

Address: 750 River Rd

Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4920-B57P8W-13.pdf

21 1 of 1 NE/319.7 87.6 / 7.69 lot 21 ON WWIS

Well ID: 1500323 Data Entry Status:

Construction Date: Data Src:

Primary Water Use: Domestic Date Received: 12/14/1954

Sec. Water Use:0Selected Flag:YesFinal Well Status:Water SupplyAbandonment Rec:

Water Type: Contractor: 3601
Casing Material: Form Version: 1
Audit No: Owner:

Audit No: Owner:
Tag: Street Name:

 Construction Method:
 County:
 OTTAWA

 Elevation (m):
 Municipality:
 GLOUCESTER TOWNSHIP

Elevation Reliability:

Depth to Bedrock:

Site Info:

Lot:

021

Well Depth: Concession:
Overburden/Bedrock: Concession Name: BF

Pump Rate: Easting NAD83:
Static Water Level: Northing NAD83:

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

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1500323.pdf

Bore Hole Information

 Bore Hole ID:
 10022368
 Elevation:
 89.461837

 DP2BR:
 70
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 r
 East83:
 445010.8

 Code OB:
 F
 East83:
 445010.8

 Code OB Desc:
 Bedrock
 North83:
 5012772

 Open Hole:
 Org CS:

 Cluster Kind:
 UTMRC:
 5

Date Completed:8/24/1954UTMRC Desc:margin of error: 100 m - 300 mRemarks:Location Method:p5

Order No: 21011800277

Elevrc Desc:
Location Source Date:

Overburden and Bedrock

Materials Interval

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

Formation ID: 930988960

 Layer:
 1

 Color:
 3

 General Color:
 BLUE

 Mat1:
 05

Most Common Material: CLAY
Mat2:
Mat2 Desc:

Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 57
Formation End Depth UOM: ft

Mat3:

Overburden and Bedrock

Materials Interval

930988963 Formation ID:

Layer:

Color:

General Color:

18 Mat1:

Most Common Material: SANDSTONE

Mat2: Mat2 Desc: Mat3:

Mat3 Desc: Formation Top Depth:

200 Formation End Depth: 250 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

930988962 Formation ID:

Layer: 3

Color: General Color:

Mat1:

LIMESTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

70 Formation Top Depth: Formation End Depth: 200 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 930988961

Layer: 2 Color:

General Color:

Mat1: 09

MEDIUM SAND Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 57 70 Formation End Depth: Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

961500323 **Method Construction ID: Method Construction Code:**

Cable Tool **Method Construction:**

Other Method Construction:

Pipe Information

Pipe ID: 10570938

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930037670 Layer: 2 Material:

Open Hole or Material: **OPEN HOLE**

Depth From:

Depth To: 250 Casing Diameter: 5 Casing Diameter UOM: inch Casing Depth UOM:

Construction Record - Casing

Casing ID: 930037669

Layer: Material: STEEL Open Hole or Material:

Depth From:

76 Depth To: Casing Diameter: 5 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991500323

Pump Set At:

Static Level: 40 Final Level After Pumping: 40 Recommended Pump Depth:

Pumping Rate: 5 Flowing Rate:

Recommended Pump Rate:

ft Levels UOM: Rate UOM: **GPM** Water State After Test Code: Water State After Test: CLEAR Pumping Test Method: **Pumping Duration HR:** 2 0 **Pumping Duration MIN:**

Water Details

Flowing:

933452838 Water ID: Layer: 1 Kind Code: 1 **FRESH** Kind:

Water Found Depth: 240 Water Found Depth UOM: ft

> 87.6 / 7.69 22 1 of 1 NE/319.7

No

Inclin FLG: No

Borehole ID: 612050 OGF ID: 215513360 SP Status:

Initial Entry Status:

Surv Elev: No

ON

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Order No: 21011800277

BORE

45.266295

Type: Borehole Piezometer: No

Use: Primary Name:
Completion Date: AUG-1954 Municipality:
Static Water Level: Lot:

Static Water Level:

Primary Water Use:

Sec. Water Use:

Latitude DD:

 Total Depth m:
 76.2
 Longitude DD:
 -75.700952

 Depth Ref:
 Ground Surface
 UTM Zone:
 18

 Depth Elev:
 Easting:
 445011

 Drill Method:
 Northing:
 5012772

 Orig Ground Elev m:
 89
 Location Accuracy:
 Not Applicable

 Elev Reliabil Note:
 Accuracy:
 Not Applicable

Elev Reliabil Note: Accuracy:
DEM Ground Elev m: 89.5

Concession: Location D: Survey D: Comments:

Borehole Geology Stratum

Geology Stratum ID:218389917Mat Consistency:Top Depth:17.4Material Moisture:Bottom Depth:21.3Material Texture:Material Color:Non Geo Mat Type:Material 1:SandGeologic Formation

Material 1:SandGeologic Formation:Material 2:Geologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: SAND.

Geology Stratum ID:218389919Mat Consistency:Top Depth:61Material Moisture:Bottom Depth:76.2Material Texture:Material Color:Non Geo Mat Type:Material 1:SandstoneGeologic Formation:

Material 2: Geologic Formation

Material 3: Geologic Period:

Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: SANDSTONE. 00240FIED. 001350. BEDROCK. SEISMIC VELOCITY = 18500. BEDROCK. SEISM **Note: Many records provided by the department have a truncated [Stratum Description] field.

Depositional Gen:

Order No: 21011800277

Geology Stratum ID: 218389916 Mat Consistency: Top Depth: Material Moisture: 17.4 Bottom Depth: Material Texture: Material Color: Blue Non Geo Mat Type: Material 1: Clay Geologic Formation: Geologic Group: Material 2: Material 3: Geologic Period:

Material 4: Gsc Material Description:

Stratum Description: CLAY. BLUE.

Geology Stratum ID: 218389918 Mat Consistency:
Top Depth: 21.3 Material Moisture:
Bottom Depth: 61 Material Texture:
Material Color: Non Geo Mat Type:

Material 1:LimestoneGeologic Formation:Material 2:Geologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: LIMESTONE.

Number of Direction/ Elev/Diff Site DΒ Map Key

Records Distance (m) (m)

<u>Source</u>

Source Type: Data Survey Source Appl: Spatial/Tabular

Source Orig: Geological Survey of Canada Source Iden: Source Date: 1956-1972 Scale or Res: Varies NAD27 Confidence: Horizontal:

Observatio: Verticalda: Mean Average Sea Level

Urban Geology Automated Information System (UGAIS) Source Name: Source Details: File: OTTAWA1.txt RecordID: 04558 NTS_Sheet:

Confiden 1:

Source List

Source Identifier: NAD27 Horizontal Datum:

Source Type: Data Survey Vertical Datum: Mean Average Sea Level Source Date: 1956-1972 Projection Name: Universal Transverse Mercator

Scale or Resolution: Varies

Urban Geology Automated Information System (UGAIS) Source Name:

Geological Survey of Canada Source Originators:

1 of 1 SE/343.8 85.9 / 6.00 23 **BORE** ON

Borehole ID: 612017 Inclin FLG: No

OGF ID: 215513327 SP Status: Initial Entry

Status: Surv Elev: No Type: Borehole Piezometer: No Primary Name:

Use:

Completion Date: JUN-1961 Municipality:

Static Water Level: -3.4 Lot: Township:

Primary Water Use: Sec. Water Use:

Latitude DD: 45.261165 36.6 Longitude DD: -75.700762 Total Depth m: **Ground Surface** Depth Ref: UTM Zone: 18

Depth Elev: Easting: 445021 Drill Method: Northing: 5012202

Orig Ground Elev m: 89.3 Location Accuracy:

Elev Reliabil Note: Accuracy: Not Applicable DEM Ground Elev m: 87.8

Concession: Location D: Survey D: Comments:

Borehole Geology Stratum

218389822 Geology Stratum ID: Mat Consistency: Top Depth: 26.8 Material Moisture: Bottom Depth: 36.6 Material Texture: Material Color: Black Non Geo Mat Type: Material 1: Limestone Geologic Formation: Material 2: Geologic Group: Material 3: Geologic Period:

Material 4: Gsc Material Description:

Stratum Description: LIMESTONE. GREY. 00120304.0 FEET.TE, SAND. BLACK. 00080CK. SEISMIC VELOCITY = 14500.

Depositional Gen:

Geology Stratum ID: 218389821 Mat Consistency: Material Moisture: Top Depth: n **Bottom Depth:** 26.8 Material Texture: Material Color: Non Geo Mat Type:

Material 1: Clay Geologic Formation:

Number of Direction/ Elev/Diff Site DΒ Map Key

Records Distance (m) (m)

Material 2: **Boulders** Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: CLAY, BOULDERS.

Source

Source Type: Data Survey Source Appl: Spatial/Tabular

Source Orig: Geological Survey of Canada Source Iden: Source Date: 1956-1972 Varies Scale or Res: NAD27 Confidence: Horizontal:

Observatio: Verticalda: Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS) Source Details: File: OTTAWA1.txt RecordID: 04525 NTS_Sheet:

Confiden 1:

Source List

Source Identifier: Horizontal Datum: NAD27

Source Type: Data Survey Vertical Datum: Mean Average Sea Level 1956-1972 Source Date: Projection Name: Universal Transverse Mercator

Scale or Resolution: Varies

Urban Geology Automated Information System (UGAIS) Source Name:

Source Originators: Geological Survey of Canada

SE/343.9 1 of 1 85.9 / 6.00 lot 22 24 **WWIS** ON

1500332 Well ID: Data Entry Status:

Construction Date: Data Src:

Primary Water Use: Domestic Date Received: 7/4/1961 Sec. Water Use: Selected Flag: Yes

Final Well Status: Water Supply Abandonment Rec: Water Type: Contractor: 1301

Casing Material: Form Version: 1 Audit No: Owner:

Tag: Street Name:

Construction Method: County: **OTTAWA**

Elevation (m): Municipality: **GLOUCESTER TOWNSHIP** Elevation Reliability: Site Info:

Depth to Bedrock: Lot: 022

Well Depth: Concession: Overburden/Bedrock: Concession Name: BF

Pump Rate: Easting NAD83:

Static Water Level: Northing NAD83: Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1500332.pdf

Bore Hole Information

Bore Hole ID: 10022377 Elevation: 87.818252

DP2BR: 88 Elevrc: Spatial Status: Zone: 18

Code OB: East83: 445020.8 5012202

Code OB Desc: Bedrock North83: Org CS: Open Hole:

Cluster Kind: UTMRC:

Date Completed: 6/6/1961 UTMRC Desc: margin of error: 100 m - 300 m

Remarks: Location Method: р5

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock **Materials Interval**

Formation ID: 930988986

Layer:

Color:

General Color:

05 Mat1: Most Common Material: CLAY Mat2: 13

BOULDERS Mat2 Desc:

Mat3: Mat3 Desc:

Formation Top Depth: 0 88 Formation End Depth: Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930988987

Layer: 2 2 Color: General Color: **GREY** Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 88 Formation End Depth: 120 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961500332 **Method Construction Code: Method Construction:** Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10570947

Casing No: Comment: Alt Name:

Construction Record - Casing

Casing ID: 930037687

Layer: Material:

Open Hole or Material:

Depth From: Depth To: 88 Casing Diameter: 5 Casing Diameter UOM: inch Casing Depth UOM: ft

STEEL

Construction Record - Casing

Casing ID: 930037689

3 Layer: Material:

OPEN HOLE Open Hole or Material:

Depth From:

Depth To: 120 Casing Diameter: Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

930037688 Casing ID:

Layer: Material: 1 Open Hole or Material: **STEEL**

Depth From:

Depth To: 98 Casing Diameter: 4 Casing Diameter UOM: inch Casing Depth UOM:

Results of Well Yield Testing

991500332 Pump Test ID:

Pump Set At: Static Level:

25 27 Final Level After Pumping: Recommended Pump Depth: 27 10 Pumping Rate: Flowing Rate: Recommended Pump Rate: 10 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: 2

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

Water Details

Water ID: 933452849 Layer: Kind Code: Kind: **FRESH** Water Found Depth: 120 Water Found Depth UOM:

25 1 of 1 WNW/349.5 55 LODGE ROAD lot 11 con 1 80.2 / 0.31 **WWIS MANOTICK ON**

ft

7125887 Well ID:

Construction Date: Primary Water Use: Test Hole Not Used Sec. Water Use: Final Well Status: Test Hole

Water Type: Casing Material:

M04171 Audit No: A085126 Tag:

Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock:

Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate:

Clear/Cloudy:

Data Entry Status:

Data Src:

7/17/2009 Date Received: Selected Flag: Yes

Abandonment Rec:

7147 Contractor: Form Version:

Owner:

Lot:

Street Name: 55 LODGE ROAD

County: **OTTAWA** NEPEAN TOWNSHIP

Municipality: Site Info:

Concession:

011 01 RF

83.876129

444550

5012684

UTM83

wwr

margin of error: 10 - 30 m

Order No: 21011800277

18

Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

Elevation:

Elevrc:

Zone:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7125887.pdf

Bore Hole Information

Bore Hole ID: 1002808433

DP2BR:

Spatial Status: Code OB: Code OB Desc: Open Hole:

Cluster Kind: Date Completed:

This is a record from cluster log sheet

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Annular Space/Abandonment

Sealing Record

Plug ID:

Layer: Plug From: Plug To:

Plug Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID:

1002808436

1002808437

Method Construction Code: **Method Construction:**

Other Method Construction:

AUGER

Pipe Information

Pipe ID: 1002808438

0 Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1002808440

Layer:

Material:

Open Hole or Material: PLASTIC

Depth From:

Depth To: 1.5

Casing Diameter: Casing Diameter UOM:

Casing Depth UOM:

Construction Record - Screen

Screen ID: 1002808439

Layer: Slot:

Screen Top Depth: 1.5 Screen End Depth: 4.6

Screen Material:
Screen Depth UOM:

Screen Diameter UOM: Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1002808441

Pump Set At: Static Level: 2 Final Level After Pumping:

Recommended Pump Depth:

Pumping Rate: Flowing Rate:

Recommended Pump Rate:

Levels UOM: m

Water State After Test Code: Water State After Test: Pumping Test Method: Pumping Duration HR: Pumping Duration MIN:

Flowing:

Hole Diameter

Hole ID: 1002808435

Diameter: 11.4

Depth From:

Depth To: 4.6
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1002808406 **Elevation:** 83.556877

DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 444578

 Code OB Desc:
 North83:
 5012675

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

UTM83

wwr

margin of error: 10 - 30 m

Open Hole: Cluster Kind:

This is a record from cluster log sheet

1002808409

Date Completed:

Remarks:

6/24/2009

Elevrc Desc:

Location Source Date:

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

Annular Space/Abandonment

Sealing Record

1002808410 Plug ID:

Layer: Plug From: Plug To:

Plug Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID:

Method Construction Code: Method Construction:

Other Method Construction: **AUGER**

Pipe Information

Pipe ID: 1002808411

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1002808413

Layer:

Material:

PLASTIC Open Hole or Material:

Depth From:

Depth To: 1.5

Casing Diameter:

Casing Diameter UOM:

Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002808412

Layer: Slot:

Screen Top Depth: 1.5 Screen End Depth: 7.6 Screen Material: Screen Depth UOM: m

Screen Diameter UOM: Screen Diameter:

Results of Well Yield Testing

Zone:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

18

wwr

444578

5012675 UTM83

margin of error: 10 - 30 m

Order No: 21011800277

Pump Test ID: 1002808414

Pump Set At: Static Level: 2 Final Level After Pumping:

Recommended Pump Depth: Pumping Rate:

Recommended Pump Rate:

Levels UOM: m

Rate UOM:

Flowing Rate:

Water State After Test Code: Water State After Test: Pumping Test Method: Pumping Duration HR: Pumping Duration MIN:

Flowing:

Hole Diameter

Hole ID: 1002808408

Diameter: 11.4

Depth From:

Depth To: 7.6
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

 Bore Hole ID:
 1002532732
 Elevation:
 83.556877

 DP2BR:
 Elevrc:

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 6/24/2009

Remarks:

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 1002808445

2 Layer: 3 Color: **BLUE** General Color: 28 Mat1: Most Common Material: SAND Mat2: 05 CLAY Mat2 Desc: Mat3: 74 LAYERED Mat3 Desc:

Formation Top Depth: .75
Formation End Depth: 1.5
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1002808446

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 06

 Mat2 Desc:
 SILT

Mat3: Mat3 Desc:

Formation Top Depth: 1.5
Formation End Depth: 7.6
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1002808444

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 28

 Most Common Material:
 SAND

 Mat2:
 05

 Mat2 Desc:
 CLAY

Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: .75
Formation End Depth UOM: m

Annular Space/Abandonment

Sealing Record

Plug ID: 1002808450

 Layer:
 3

 Plug From:
 1.5

 Plug To:
 7.6

 Plug Depth UOM:
 m

Annular Space/Abandonment

Sealing Record

Plug ID: 1002808451

Layer: 4
Plug From:
Plug To: 7

Plug To: 7.6 Plug Depth UOM: m

Annular Space/Abandonment

Sealing Record

Plug ID: 1002808448

 Layer:
 1

 Plug From:
 0

 Plug To:
 0.2

 Plug Depth UOM:
 m

Annular Space/Abandonment

Sealing Record

Plug ID: 1002808449

 Layer:
 2

 Plug From:
 0.2

 Plug To:
 1.5

 Plug Depth UOM:
 m

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1002808457

Method Construction Code:

Method Construction:Other MethodOther Method Construction:PORT AUGER

Pipe Information

Pipe ID: 1002808442

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1002808453

Layer: 1 Material: 5

Open Hole or Material: PLASTIC

 Depth From:
 0

 Depth To:
 7.6

 Casing Diameter:
 5

 Casing Diameter UOM:
 cm

 Casing Depth UOM:
 m

Construction Record - Screen

Screen ID: 1002808454

Screen Top Depth:

Screen End Depth:
Screen Material: 5

Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 6.4

Results of Well Yield Testing

Pump Test ID: 1002808443

Pump Set At:

Static Level: 2

Final Level After Pumping: Recommended Pump Depth:

Pumping Rate:

Flowing Rate:

Recommended Pump Rate: Levels UOM:

Levels UOM: m

Water State After Test Code: 0
Water State After Test:
Pumping Test Method: 0

Pumping Duration HR:

Elevrc:

East83:

North83:

Org CS:

UTMRC: UTMRC Desc:

Location Method:

Zone:

18

wwr

444571

5012672 UTM83

margin of error: 10 - 30 m

Order No: 21011800277

Pumping Duration MIN:

Flowing:

Water Details

Water ID: 1002808452

Layer: Kind Code:

Kind: **FRESH** Water Found Depth: Water Found Depth UOM: m

Hole Diameter

Hole ID: 1002808447

Diameter: 11.4 Depth From: 0 7.6 Depth To: Hole Depth UOM: m Hole Diameter UOM: cm

Bore Hole Information

1002808415 83.698905 Bore Hole ID: Elevation:

DP2BR: Spatial Status:

Code OB: Code OB Desc: Open Hole:

Cluster Kind: This is a record from cluster log sheet

Date Completed: Remarks:

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Annular Space/Abandonment

Sealing Record

Plug ID: 1002808419

Layer: Plug From: Plug To:

Plug Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1002808418

Method Construction Code:

Method Construction:

Other Method Construction: **AUGER**

Pipe Information

Pipe ID: 1002808420

Casing No: 0

Comment:

Alt Name:

Construction Record - Casing

Casing ID: 1002808422

Layer:

Material:

PLASTIC Open Hole or Material:

Depth From: Depth To: 1.5 Casing Diameter:

Casing Diameter UOM:

Casing Depth UOM: m

Construction Record - Screen

1002808421 Screen ID:

Layer:

Slot:

Screen Top Depth: 1.5 Screen End Depth: 4.6

Screen Material: Screen Depth UOM: m

Screen Diameter UOM: Screen Diameter:

Results of Well Yield Testing

1002808423 Pump Test ID:

Pump Set At: Static Level: 2

Final Level After Pumping: Recommended Pump Depth:

Pumping Rate: Flowing Rate:

Recommended Pump Rate:

Levels UOM: m Rate UOM:

Water State After Test Code: Water State After Test: Pumping Test Method: Pumping Duration HR: **Pumping Duration MIN:**

Flowing:

Hole Diameter

Hole ID: 1002808417

Diameter: 11.4

Depth From:

Depth To: 4.6 Hole Depth UOM: m Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 83.833473 1002808424 Elevation:

DP2BR: Elevrc:

Spatial Status: 18 Zone: Code OB: East83: 444560 Code OB Desc: North83: 5012673 UTM83 Open Hole: Org CS:

Location Method:

margin of error: 10 - 30 m

Order No: 21011800277

wwr

Cluster Kind: This is a record from cluster log sheet Date Completed:

UTMRC: **UTMRC Desc:**

Remarks: Elevrc Desc:

Location Source Date:

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

Annular Space/Abandonment

Sealing Record

Plug ID: 1002808428

Layer: Plug From: Plug To:

Plug Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1002808427

Method Construction Code: Method Construction:

Other Method Construction: **AUGER**

Pipe Information

Pipe ID: 1002808429

Casing No: Comment: Alt Name:

Construction Record - Casing

Casing ID: 1002808431

Layer:

Material:

Open Hole or Material: **PLASTIC**

Depth From:

1.5 Depth To:

Casing Diameter: Casing Diameter UOM:

Casing Depth UOM: m

Construction Record - Screen

1002808430 Screen ID:

Layer: Slot:

Screen Top Depth: 1.5 Screen End Depth: 4.6

Screen Material:

Screen Depth UOM: Screen Diameter UOM:

Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1002808432

m

Pump Set At: Static Level:

Static Level: 2 Final Level After Pumping:

Recommended Pump Depth: Pumping Rate: Flowing Rate:

Recommended Pump Rate:

Levels UOM: m

Rate UOM: Water State After Test Code: Water State After Test: Pumping Test Method: Pumping Duration HR: Pumping Duration MIN:

Flowing:

Hole Diameter

26

Hole ID: 1002808426

Diameter: 11.4
Depth From:
Depth To: 4.6
Hole Depth UOM: m
Hole Diameter UOM: cm

1 of 1

OTTAWA ON

Well ID: 1536515 Data Entry Status: Construction Date: Data Src:

NW/354.8

Primary Water Use: Date Received: 8/1/2006
Sec. Water Use: Selected Flag: Yes

Final Well Status: Abandoned-Other Abandonment Rec: Yes
Water Type: Contractor: 4006

Casing Material:Form Version:Audit No:Z40112Owner:

Tag:A036332Street Name:55 LODGE RDConstruction Method:County:OTTAWA

75.8 / -4.12

55 LODGE RD lot 11 con 1

3

WWIS

Order No: 21011800277

Elevation (m): Site Info: 15000

Elevation Reliability: Site Info: 011

Well Depth: Concession: 01

Well Depth:Concession:01Overburden/Bedrock:Concession Name:RFPump Rate:Easting NAD83:

Static Water Level: Northing NAD83: Flowing (Y/N): Zone:

Flow Rate: UTM Reliability:

Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536515.pdf

Bore Hole Information

Bore Hole ID: 11550581 **Elevation:** 81.23957

DP2BR: Elevrc:

Spatial Status: Zone: 18

 Code OB:
 _
 East83:
 444609.9

 Code OB Desc:
 No formation data
 North83:
 5012763

 Open Hole:
 Org CS:
 UTM83

 Cluster Kind:
 UTMRC:
 3

 Date Completed:
 2/6/2006
 UTMRC Desc:
 margin of error: 10 - 30 m

Remarks: Location Method: wwr

Elevro Desc:

Location Source Date:

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

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933298878

 Layer:
 1

 Plug From:
 110

 Plug To:
 0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961536515 Method Construction Code:

Method Construction:
Other Method Construction:

1 of 1

Pipe Information

Pipe ID: 11560188

Casing No: Comment: Alt Name:

27

21 1011 NE/306.1 87.978.00 INT21 WWIS

lot 21

Well ID: 1500322 Data Entry Status:

NE/368.1

Construction Date: Data Src:

Primary Water Use:DomesticDate Received:12/9/1954Sec. Water Use:0Selected Flag:Yes

Final Well Status: Water Supply Abandonment Rec:

Water Type:Contractor:3113Casing Material:Form Version:1Audit No:Owner:

Tag: Owner:
Construction Method: County:

 Construction Method:
 County:
 OTTAWA

 Elevation (m):
 Municipality:
 GLOUCESTER TOWNSHIP

87.9 / 8.00

Elevation Reliability:Site Info:Depth to Bedrock:Lot:021Well Depth:Concession:

Well Depth: Concession:

Overburden/Bedrock: Concession Name: BF

Pump Rate: Easting NAD83:

Static Water Level: Northing NAD83:

Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1500322.pdf

Bore Hole Information

Bore Hole ID: 10022367 **Elevation:** 89.369125

DP2BR: 71 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 r
 East83:
 445020.8

Code OB Desc: Bedrock North83: 5012822

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed:9/15/1954UTMRC Desc:margin of error: 100 m - 300 mRemarks:Location Method:p5

Remarks: Location Elevro Desc:

Location Source Date:
Improvement Location Source:
Improvement Location Method:

Improvement Location Method:
Source Revision Comment:

Overburden and Bedrock
Materials Interval

Supplier Comment:

Formation ID: 930988956

 Layer:
 1

 Color:
 7

 General Color:
 RED

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 21
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930988957

Layer: 2

Color:

General Color:

Mat1: 14

Most Common Material:HARDPANMat2:13Mat2 Desc:BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 21
Formation End Depth: 68
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 930988959

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 71
Formation End Depth: 103
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930988958

Layer:

Color:

General Color:

Mat1: 07

Most Common Material: QUICKSAND

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 68
Formation End Depth: 71
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961500322

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10570937

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930037667

Layer: 2

Material:

Open Hole or Material:

Depth From:

Depth To: 71
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930037666

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 70
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930037668

Layer: 3
Material: 4

DB Map Key Number of Direction/ Elev/Diff Site Records Distance (m) (m) **OPEN HOLE** Open Hole or Material: Depth From: Depth To: 103 Casing Diameter: 4 Casing Diameter UOM: inch Casing Depth UOM: ft Results of Well Yield Testing Pump Test ID: 991500322 Pump Set At: Static Level: 15 Final Level After Pumping: 47 Recommended Pump Depth: Pumping Rate: 4 Flowing Rate: Recommended Pump Rate: ft Levels UOM: Rate UOM: **GPM** Water State After Test Code: **CLEAR** Water State After Test: Pumping Test Method: 1 **Pumping Duration HR:** 0 **Pumping Duration MIN:** Flowing: No Water Details Water ID: 933452837 Layer: Kind Code: 1 **FRESH** Kind: Water Found Depth: 77 Water Found Depth UOM: ft 1 of 1 W/375.5 82.1 / 2.19 28 **BORE** ON Borehole ID: 612028 Inclin FLG: No OGF ID: 215513338 SP Status: Initial Entry Status: Surv Elev: No Type: Borehole Piezometer: No Primary Name: Use: Completion Date: Municipality: Static Water Level: 6.7 Lot: Primary Water Use: Township: Sec. Water Use: Latitude DD: 45.263913 -999 Longitude DD: -75.707807 Total Depth m: **Ground Surface** UTM Zone: Depth Ref: 18 Depth Elev: Easting: 444471 Drill Method: Northing: 5012512 Orig Ground Elev m: 85.3 Location Accuracy: Elev Reliabil Note: Accuracy: Not Applicable DEM Ground Elev m: 85.9 Concession: Location D:

Order No: 21011800277

Borehole Geology Stratum

Geology Stratum ID: 218389852 Mat Consistency:

Survey D: Comments:

Material Moisture:

Material Texture:

Top Depth: 0
Bottom Depth: .6
Material Color:

Material Color:Non Geo Mat Type:Material 1:ClayGeologic Formation:Material 2:Geologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: CLAY.

218389854 Geology Stratum ID: Mat Consistency: Top Depth: .9 Material Moisture: **Bottom Depth:** 14.3 Material Texture: Material Color: Non Geo Mat Type: Material 1: Clay Geologic Formation: Material 2: Geologic Group:

Material 2: Geologic Group:
Material 3: Geologic Period:
Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: CLAY.

Geology Stratum ID:218389853Mat Consistency:Top Depth:.6Material Moisture:Bottom Depth:.9Material Texture:Material Color:Non Geo Mat Type:Material 1:BouldersGeologic Formation

Material 1:BouldersGeologic Formation:Material 2:Geologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: BOULDERS.

Geology Stratum ID:218389856Mat Consistency:Top Depth:20.4Material Moisture:Bottom Depth:31.7Material Texture:Material Color:Non Geo Mat Type:Material 1:ClayGeologic Formation:Material 2:RouldersGeologic Group:

Material 2:BouldersGeologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: CLAY, BOULDERS.

Geology Stratum ID: 218389857 Mat Consistency: 31.7 Top Depth: Material Moisture: **Bottom Depth:** Material Texture: Material Color: Non Geo Mat Type: Brown Material 1: **Bedrock** Geologic Formation: Material 2: Limestone Geologic Group: Geologic Period: Material 3: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: BEDROCK,LIMESTONE. 0223BEDROCK. SEISMIC VELOCITY = 17000. 200135076 BROWN,GREY,STI **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:218389855Mat Consistency:Top Depth:14.3Material Moisture:Bottom Depth:20.4Material Texture:Material Color:Non Geo Mat Type:Material 1:ClayGeologic Formation

Material 1: Clay Geologic Formation:

Material 2: Gravel Geologic Forup:

Material 3: Geologic Period:

Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: CLAY, GRAVEL. WATER STABLE AT 258.0 FEET.

Verticalda:

Mean Average Sea Level

Order No: 21011800277

Source

Source Type: Data Survey Source Appl: Spatial/Tabular

Source Orig:Geological Survey of CanadaSource Iden:1Source Date:1956-1972Scale or Res:VariesConfidence:MHorizontal:NAD27

Source Name: Urban Geology Automated Information System (UGAIS)

Source Details: File: OTTAWA1.txt RecordID: 045360 NTS_Sheet: 31G05B

Confiden 1: Reliable information but incomplete.

Source List

Observatio:

Source Identifier: 1 Horizontal Datum: NAD27

Source Type:Data SurveyVertical Datum:Mean Average Sea LevelSource Date:1956-1972Projection Name:Universal Transverse Mercator

Scale or Resolution: Varies

Source Name: Urban Geology Automated Information System (UGAIS)

Source Originators: Geological Survey of Canada

29 1 of 1 S/378.8 82.9 / 3.00 lot 22 ON WWIS

Well ID: 1500333 Data Entry Status:

Construction Date: Data Src:

Primary Water Use:Not UsedDate Received:11/14/1961Sec. Water Use:0Selected Flag:Yes

Final Well Status: Test Hole Abandonment Rec:

Water Type: Contractor: 1802
Casing Material: Form Version: 1

Audit No: Owner:
Tag: Street Name:

Construction Method: County: OTTAWA

Elevation (m):Municipality:GLOUCESTER TOWNSHIPElevation Reliability:Site Info:

 Depth to Bedrock:
 Lot:
 022

 Well Depth:
 Concession:

Overburden/Bedrock: Concession Name: BF
Pump Rate: Easting NAD83:
Static Water Level: Northing NAD83:

Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1500333.pdf

Bore Hole Information

Bore Hole ID: 10022378 **Elevation:** 88.030281

DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 0
 East83:
 444890.8

 Code OB Desc:
 Overburden
 North83:
 5012122

Open Hole: Org CS:

 Cluster Kind:
 UTMRC:
 5

 Date Completed:
 8/17/1961
 UTMRC Desc:
 margin of error: 100 m - 300 m

Remarks: Location Method: p5

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 930988988

Layer:

Color: General Color:

Mat1:

Most Common Material: **MEDIUM SAND**

05 Mat2: Mat2 Desc: CLAY Mat3: 13

BOULDERS Mat3 Desc:

Formation Top Depth: 0 Formation End Depth: 35 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930988989

Layer:

Color:

General Color:

Mat1: 11

GRAVEL Most Common Material:

Mat2: 09

Mat2 Desc: **MEDIUM SAND**

Mat3: Mat3 Desc:

Formation Top Depth: 35 42 Formation End Depth: Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961500333

Method Construction Code:

Method Construction: Diamond

Other Method Construction:

Pipe Information

Pipe ID: 10570948

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930037690

Layer: Material: STEEL Open Hole or Material:

Depth From:

30

Depth To: Casing Diameter: 6 Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930037691

Layer:

Material:

Open Hole or Material:

Depth From:

Depth To: 42 Casing Diameter: Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

991500333 Pump Test ID:

Pump Set At: 4 Static Level: Final Level After Pumping: 35 Recommended Pump Depth: 35 Pumping Rate: 127

Flowing Rate:

Recommended Pump Rate: 120 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: **CLEAR**

Water State After Test: Pumping Test Method: **Pumping Duration HR:** 48 Pumping Duration MIN: 0 Flowing: No

Water Details

933452850 Water ID:

Layer: Kind Code:

Kind: **FRESH** Water Found Depth: 35 Water Found Depth UOM: ft

30 1 of 1 NW/398.1 79.9 / 0.00 55 LODGE RD lot 11 con 1 OTTAWA ON

Well ID: 1536516 Construction Date:

Primary Water Use: Sec. Water Use:

Final Well Status: Abandoned-Other

Water Type:

Casing Material: Audit No:

Z40119 Tag: A036331

Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock:

Pump Rate: Static Water Level: Data Entry Status: Data Src:

8/1/2006 Date Received: Selected Flag: Yes Abandonment Rec: Yes Contractor: 4006 3 Form Version:

Owner:

55 LODGE RD Street Name: **OTTAWA** County: Municipality: 15000

Site Info: Lot:

011 Concession: 01 Concession Name: RF

Easting NAD83: Northing NAD83:

Zone:

Flowing (Y/N):

WWIS

UTM Reliability: Flow Rate:

Clear/Cloudy:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536516.pdf PDF URL (Map):

Bore Hole Information

83.837295 11550582 Bore Hole ID: Elevation:

DP2BR: Elevrc: Spatial Status: Zone: 444565.9 East83: Code OB:

Code OB Desc: No formation data North83: 5012781 UTM83 Open Hole: Org CS: UTMRC: Cluster Kind:

Date Completed: 2/6/2006 **UTMRC Desc:** margin of error: 10 - 30 m Remarks: Location Method:

Elevrc Desc: Location Source Date:

Annular Space/Abandonment

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

Sealing Record

933298888 Plug ID:

Layer: Plug From: 26 0 Plug To: Plug Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961536516

Method Construction Code: Method Construction: Other Method Construction:

Pipe Information

Pipe ID: 11560189

Casing No: Comment: Alt Name:

> 31 1 of 1 SE/398.3 86.8 / 6.92 **BORE** ON

> > Order No: 21011800277

Borehole ID: 612015 Inclin FLG: No OGF ID: SP Status: 215513325 Initial Entry Status: Surv Elev: No Type: Borehole Piezometer: No

Primary Name: Use: NOV-1957 Completion Date: Municipality: Static Water Level: -3.0 Lot:

Primary Water Use: Township:

45.261081 Sec. Water Use: Latitude DD: Total Depth m: 15.8 Longitude DD: -75.699741 UTM Zone: Depth Ref: **Ground Surface** 18

Depth Elev: Easting: 445101

Direction/ Elev/Diff Site DΒ Map Key Number of

5012192 Drill Method: Northing:

Distance (m)

Orig Ground Elev m: Location Accuracy: 89.6

Elev Reliabil Note:

Accuracy: Not Applicable **DEM Ground Elev m:** 88.7 Concession:

(m)

Location D: Survey D: Comments:

Material 4:

Borehole Geology Stratum

Records

Geology Stratum ID: 218389818 Mat Consistency: Top Depth: 14 Material Moisture: **Bottom Depth:** 15.8 Material Texture: Material Color: Black Non Geo Mat Type: Material 1: Limestone Geologic Formation: Material 2: Geologic Group: Material 3: Geologic Period: Depositional Gen:

Gsc Material Description:

LIMESTONE. 0005200094LE AT 304.0 FEET.TE,SAND. BLACK. 00080CK. SEISMIC VELOCITY = **Note: Many Stratum Description:

records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 218389817 Mat Consistency: Top Depth: 0 Material Moisture: Bottom Depth: 14 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:

CLAY. Stratum Description:

Source

Data Survey Spatial/Tabular Source Type: Source Appl:

Source Orig: Geological Survey of Canada Source Iden:

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)

File: OTTAWA1.txt RecordID: 04523 NTS_Sheet: Source Details: Confiden 1:

Source List

Source Identifier: Horizontal Datum: NAD27

Data Survey Source Type: Vertical Datum: Mean Average Sea Level Source Date: 1956-1972 Projection Name: Universal Transverse Mercator

Varies Scale or Resolution:

Source Name: Urban Geology Automated Information System (UGAIS)

Source Originators: Geological Survey of Canada

SE/398.3 86.8 / 6.92 lot 22 **32** 1 of 1 **WWIS** ON

Order No: 21011800277

1500330 Well ID: Data Entry Status:

Construction Date: Data Src:

Primary Water Use: Domestic Date Received: 11/26/1957 Sec. Water Use: Selected Flag: Yes

Final Well Status: Abandonment Rec: Water Supply

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1500330.pdf

OTTAWA

Water Type:Contractor:3601Casing Material:Form Version:1

Audit No:Owner:Tag:Street Name:Construction Method:County:

 Elevation (m):
 Municipality:
 GLOUCESTER TOWNSHIP

 Elevation Reliability:
 Site Info:

 Depth to Bedrock:
 Lot:
 022

 Well Depth:
 Concession:

 Overburden/Bedrock:
 Concession Name:
 BF

 Overburden/Bedrock:
 Concession Name:
 BF

 Pump Rate:
 Easting NAD83:

 Static Water Level:
 Northing NAD83:

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

Clear/Cloudy:

Bore Hole Information

PDF URL (Map):

Bore Hole ID: 10022375 **Elevation:** 88.674209

 DP2BR:
 46
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 r
 East83:
 445100.8

 Code OB Desc:
 Bedrock
 North83:
 5012192

 Open Hole:
 Org CS:

 Cluster Kind:
 UTMRC:
 5

 Date Completed:
 11/14/1957
 UTMRC Desc:
 margin of error: 100 m - 300 m

Remarks: Location Method: Elevrc Desc:

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

Supplier Comment:

Location Source Date:

Overburden and Bedrock

Materials Interval

Formation ID: 930988981

Layer: 1
Color:

General Color:
Mat1: 05

Most Common Material: CLAY
Mat2:
Mat2 Desc:

Mat3: Mat3 Desc: Formation Top Depth:

Formation End Depth: 46
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930988982

Layer: 2

General Color:

Mat1: 15

Most Common Material: LIMESTONE

Mat2:

Color:

0

Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 46
Formation End Depth: 52
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961500330

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10570945

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930037684

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 52
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930037683

Layer: 1 Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To: 46
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991500330

Pump Set At:

Static Level: 12
Final Level After Pumping: 16
Recommended Pump Depth:
Pumping Rate: 5

Pumping Rate: Flowing Rate:

Recommended Pump Rate:

Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Rumping Test Method: 1

Pumping Test Method: 1
Pumping Duration HR: 1

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

Pumping Duration MIN:

Flowing: No

Water Details

Water ID: 933452847

0

Layer: 1 Kind Code:

Kind: **FRESH** Water Found Depth: 52 ft Water Found Depth UOM:

> Carleton Lodge Well Supply 1 of 16 W/408.3 82.9 / 3.00 33

55 Lodge Road Ottawa ON K2C 3H1 CA

Order No: 21011800277

Certificate #: 9304-549NPT

Application Year: 02 1/2/02 Issue Date:

Municipal & Private water Approval Type:

Status: Approved

Application Type: New Certificate of Approval

City of Ottawa Client Name:

Client Address: 110 Laurier Avenue West

Client City: City of Ottawa Client Postal Code: K1P 1J1

Project Description: a water well supply system (2 wells) rated for 851 m3/day with water treatment and storage works generally

consisting of disinfection using sodium hypochlorite, a 340 m3 underground storage reservoir, two domestic water supply pumps, two water softeners and two fire pumps. the water system provides water for the residents and

staff of the carleton lodge long term care facility.

Contaminants: **Emission Control:**

> **33** 2 of 16 W/408.3 82.9 / 3.00 City of Ottawa **GEN** 55 Lodge Road

> > PO Box No:

Nepean ON K2C 3H1

Generator No: ON8055685

Status:

Country: Approval Years: 02,03,04,05,06 Choice of Contact: Contam. Facility: Co Admin: Phone No Admin:

MHSW Facility: SIC Code: SIC Description:

Detail(s)

122 Waste Class:

Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 252

WASTE OILS & LUBRICANTS Waste Class Desc:

Waste Class: 146

Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class:

Waste Class Desc: ALKALINE WASTES - HEAVY METALS

3 of 16 W/408.3 82.9 / 3.00 City of Otawa 33 **GEN** 55 Lodge Rd.

Map Key Number of Direction/ Elev/Diff Site

Records

Distance (m) (m)

DB

CA

GEN

GEN

Order No: 21011800277

Ottawa ON K2C 3H1

Choice of Contact:

PO Box No:

Country:

Co Admin: Phone No Admin:

Generator No: ON5372150

Status: Approval Years: Contam. Facility:

07,08

913910 SIC Code: SIC Description:

Other Local Municipal and Regional Public Administration

82.9 / 3.00

Detail(s)

33

MHSW Facility:

Waste Class: 221

4 of 16

LIGHT FUELS Waste Class Desc:

55 Lodge Road Ottawa ON K2C 3H1

City of Ottawa

3-0834-87-006 Certificate #: Application Year: 2004 9/23/2004 Issue Date:

Approval Type: Municipal and Private Sewage Works

W/408.3

Approved

Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description:

Emission Control:

Contaminants:

5 of 16 W/408.3 82.9 / 3.00 33

City of Otawa 55 Lodge Rd.

Choice of Contact:

PO Box No:

Co Admin: Phone No Admin:

Country:

Ottawa ON K2C 3H1

Generator No: ON5372150 Status:

Approval Years: Contam. Facility: MHSW Facility:

2009

913910 SIC Code:

SIC Description: Other Local Municipal and Regional Public Administration

Detail(s)

Waste Class: 221

Waste Class Desc: LIGHT FUELS

City of Ottawa **33** 6 of 16 W/408.3 82.9 / 3.00 55 Lodge Road

Ottawa ON

Generator No: ON2825122 PO Box No: Country: Status:

2013 Approval Years: Choice of Contact: Co Admin: Contam. Facility: MHSW Facility: Phone No Admin:

SIC Code: 913910

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

SIC Description:

Detail(s)

Waste Class: 251

Waste Class Desc: **OIL SKIMMINGS & SLUDGES**

33 7 of 16 W/408.3 82.9 / 3.00 CITY OF OTTAWA **EASR**

55 LODGE RD OTTAWA ON K2C 3H1

45.263201

Order No: 21011800277

Approval No: R-002-8500959220 SWP Area Name: Rideau Valley REGISTERED **MOE District:** Status: Ottawa 2015-04-17 **OTTAWA** Date: Municipality: Record Type: **EASR** Latitude: 45.26416667 Link Source: **MOFA** Longitude: -75.70666667

Project Type: Standby Power System Geometry X: Full Address: Geometry Y:

EASR-Standby Power System Approval Type:

Full PDF Link: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2014132

33 8 of 16 W/408.3 82.9 / 3.00 55 Lodge Rd **EHS** Ottawa ON K2C3H1

20160525115 Order No: Nearest Intersection:

Status: С Municipality:

City of Ottawa Report Type: **Custom Report** Client Prov/State: ON Report Date: 01-JUN-16 Search Radius (km): .25 25-MAY-16 -75.708593 X: Date Received:

Previous Site Name: Lot/Building Size:

Additional Info Ordered: City Directory; Aerial Photos

33 9 of 16 W/408.3 82.9 / 3.00 City of Ottawa **ECA** 55 Lodge Road

Y:

Ottawa ON K1P 1J1 9304-549NPT **MOE District:** Approval No:

Ottawa Approval Date: 2002-01-02 City: Approved Status: Longitude: -75.7061

Latitude: Record Type: **ECA** 45.303374999999996

Link Source: IDS Geometry X: SWP Area Name: Rideau Valley Geometry Y:

Approval Type: ECA-Municipal and Private Water Works Municipal and Private Water Works Project Type:

Address: 55 Lodge Road

Full Address: Full PDF Link:

> 10 of 16 W/408.3 82.9 / 3.00 City of Ottawa 33 **ECA** 55 Lodge Road

> > Ottawa ON K2G 6J8

3-0834-87-006 **MOE District:** Ottawa Approval No: Approval Date: 2004-09-23 City:

Approved -75.7061 Status: Longitude: 45.303374999999996 Record Type: **ECA** Latitude:

Link Source: IDS Geometry X:

Geometry Y: SWP Area Name: Rideau Valley

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

ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Approval Type: Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS

Address: 55 Lodge Road Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3851-649KKG-14.pdf

33 11 of 16 W/408.3 82.9 / 3.00 City of Ottawa **GEN** 55 Lodge Road Ottawa ON K2C 3H1

Choice of Contact:

Phone No Admin:

Co Admin:

ON2825122 Generator No: PO Box No: Country:

Status: Approval Years: 2016

Contam. Facility: No MHSW Facility: No

SIC Code: 913910

913910 SIC Description:

Detail(s)

Waste Class:

WASTE COMPRESSED GASES Waste Class Desc:

Waste Class:

Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 112

Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 251

Waste Class Desc: **OIL SKIMMINGS & SLUDGES**

12 of 16 W/408.3 82.9 / 3.00 City of Ottawa 33 **GEN** 55 Lodge Road

Ottawa ON K2C 3H1

Choice of Contact:

Phone No Admin:

PO Box No:

Co Admin:

Country:

Canada

Canada

CO_OFFICIAL

Corrado Falcucci

613-580-2424 Ext.12034

Order No: 21011800277

CO OFFICIAL Kelly Amon

613-580-2424 Ext.33301

ON2825122 Generator No: Status:

2015 Approval Years:

Contam. Facility: No MHSW Facility: No 913910 SIC Code:

SIC Description:

913910

Detail(s)

Waste Class:

Waste Class Desc: **OIL SKIMMINGS & SLUDGES**

Waste Class: 112

Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class:

Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class:

WASTE COMPRESSED GASES Waste Class Desc:

33 13 of 16 W/408.3 82.9 / 3.00 City of Ottawa **GEN** 55 Lodge Road

Ottawa ON K2C 3H1

Number of Direction/ Elev/Diff Site DΒ Map Key

PO Box No:

Choice of Contact:

Phone No Admin:

Country:

Co Admin:

Canada

Canada

Order No: 21011800277

CO_OFFICIAL

Corrado Falcucci

613-580-2424 Ext.12034

Records Distance (m) (m)

ON2825122 Generator No:

Status:

Approval Years: 2014 Contam. Facility: No MHSW Facility: No

913910 SIC Code:

913910 SIC Description:

Detail(s)

Waste Class: 251

Waste Class Desc: **OIL SKIMMINGS & SLUDGES**

Waste Class:

Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 112

ACID WASTE - HEAVY METALS Waste Class Desc:

Waste Class:

Waste Class Desc: ORGANIC LABORATORY CHEMICALS

33 14 of 16 W/408.3 82.9 / 3.00 City of Ottawa **GEN**

55 Lodge Road Ottawa ON K2C 3H1

Generator No: ON2825122 PO Box No:

Status: Registered Country:

Approval Years: As of Dec 2018 Contam. Facility:

MHSW Facility: SIC Code:

Choice of Contact: Co Admin: Phone No Admin:

SIC Description:

Detail(s)

Waste Class:

Waste Class Desc: Acid solutions - containing heavy metals

Waste Class: 251 L

Waste Class Desc: Waste oils/sludges (petroleum based)

Waste Class:

Waste Class Desc: Misc. waste organic chemicals

ON2825122

Waste Class:

Waste compressed gases including cylinders Waste Class Desc:

15 of 16 33 W/408.3 82.9 / 3.00 City of Ottawa **GEN** 55 Lodge Road

Ottawa ON K2C 3H1

PO Box No:

Canada Status: Registered Country:

Approval Years: As of Jul 2020 Choice of Contact: Contam. Facility: Co Admin: MHSW Facility: Phone No Admin:

SIC Code: SIC Description:

Generator No:

Detail(s)

Waste Class: 263 |

Waste Class Desc: Misc. waste organic chemicals

Waste Class: 251 L

Waste Class Desc: Waste oils/sludges (petroleum based)

Waste Class: 112 C

Waste Class Desc: Acid solutions - containing heavy metals

Waste Class: 331 I

Waste Class Desc: Waste compressed gases including cylinders

33 16 of 16 W/408.3 82.9 / 3.00 Jemcor Elevating Inc. 55 Lodge Road GEN

Ottawa ON K2C 3H1

OTTAWA

Order No: 21011800277

Generator No: ON9260154
Status: Registered

Approval Years: As of Jul 2020 Contam. Facility: MHSW Facility: SIC Code: PO Box No:
Country: Canada
Choice of Contact:

Co Admin: Phone No Admin:

Detail(s)

SIC Description:

Waste Class: 251 L

Waste Class Desc: Waste oils/sludges (petroleum based)

Waste Class: 252 L

Waste Class Desc: Waste crankcase oils and lubricants

34 1 of 1 NNE/413.2 88.0 / 8.08 lot 20 ON WWIS

Well ID: 1500317 Data Entry Status:

Construction Date: Data Src:

Primary Water Use:LivestockDate Received:12/13/1951Sec. Water Use:DomesticSelected Flag:Yes

Final Well Status:Water SupplyAbandonment Rec:Water Type:Contractor:3601Casing Material:Form Version:1

Audit No: Owner:
Tag: Street Name:
Construction Method: County:

Elevation (m): Municipality: GLOUCESTER TOWNSHIP

Elevation Reliability:Site Info:Depth to Bedrock:Lot:020Well Depth:Concession:

 Overburden/Bedrock:
 Concession Name:
 BF

 Pump Rate:
 Easting NAD83:

 Static Water Level:
 Northing NAD83:

Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1500317.pdf

Bore Hole Information

Bore Hole ID: 10022362 **Elevation:** 88.774246

DP2BR: 60 Elevrc:

Zone:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

18

444970.8 5012892

margin of error: 100 m - 300 m

Order No: 21011800277

Spatial Status: Code OB:

Code OB Desc: Bedrock

Open Hole: Cluster Kind:

6/30/1950 Date Completed:

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

930988937 Formation ID:

Layer: 3

Color:

General Color:

Mat1:

GRAVEL Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

50 Formation Top Depth: Formation End Depth: 60 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 930988938

Layer: Color: 2 General Color: **GREY** Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 60 72 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

930988936 Formation ID:

Layer: 2 2 Color: General Color: **GREY** Mat1: 09

Most Common Material: MEDIUM SAND

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 30 Formation End Depth: 50

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 930988935

Layer:

Color: General Color:

General Color.

Mat1: 13

Most Common Material: BOULDERS

Mat2: 05
Mat2 Desc: CLAY

Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 30
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961500317

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10570932

Casing No: 1
Comment:

Alt Name:

Construction Record - Casing

Casing ID: 930037657

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 72
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930037656

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To:65Casing Diameter:5Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991500317

Map Key	Number Record		Elev/Diff (m)	Site		DB
Pump Set At Static Level:		30				
Final Level After Pumping: Recommended Pump Depth: Pumping Rate:		ng: 30				
Flowing Rate Recommend Levels UOM	e: led Pump R					
Rate UOM:	•	GPM				
Water State						
Water State . Pumping Te		CLEAR 1				
Pumping Du		1				
Pumping Du	ration MIN:					
Flowing:		No				
Water Detail	<u>'s</u>					
Water ID:		933452830				
Layer:		1 1				
Kind Code: Kind:		FRESH				
Water Found		67				
Water Found	d Depth UO	VI: ft				
<u>35</u>	1 of 1	WSW/419.0	77.1 / -2.78	PRIVATE RESIDENCE 18 LODGE ROAD FUR NEPEAN CITY ON K20	RNACE OIL TANK	SPL
Ref No: 96170		96170		Discharger Report:		
Site No: Incident Dt:		2/2/1994	994			
Year: Incident Cause: UNDER		UNDERGROUND TANK LE	AK	Client Type: Sector Type:		
Incident Event:				Agency Involved:		
Contaminan				Nearest Watercourse:		
Contaminan Contaminan				Site Address: Site District Office:		
Contam Lim				Site Postal Code:		
Contaminan		DOGGIDI E		Site Region:	00404	
Environmen	•	POSSIBLE Soil contamination		Site Municipality: Site Lot:	20104	
Nature of Impact: Soil cor Receiving Medium: LAND				Site Conc:		
Receiving E	nv:			Northing:		
MOE Respoi				Easting: Site Geo Ref Accu:		
Dt MOE Arvi MOE Report		2/8/1994		Site Map Datum:		
Dt Document Closed:				SAC Action Class:		
		CORROSION		Source Type:		
Site Name: Site County/	/District:					
Site Geo Ref	f Meth:					
Incident Sun Contaminan	•	PRIVATE RESIDI	ENCE-600-700LITI	RES FURNACE OIL TO GRO	UND FROM U/G TANK.	
<u>36</u>	1 of 1	W/425.6	84.1 / 4.25	55 LODGE RD lot 11 c	on 1	wwis
				ON		
Well ID: Construction	n Date:	1536511		Data Entry Status: Data Src:		
Primary Wat	er Use:			Date Received:	8/1/2006	

Date Received: Selected Flag: 8/1/2006 Yes

Order No: 21011800277

Construction Date: Primary Water Use: Sec. Water Use:

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

Final Well Status: Abandoned-Other

Water Type:

Casing Material:

Audit No: Z40117

Tag: A036337 Construction Method: Elevation (m):

Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate:

Elevation Reliability:

Static Water Level: Flowing (Y/N):

Flow Rate: Clear/Cloudy:

Abandonment Rec: Yes Contractor: 4006 Form Version: 3

Owner:

55 LODGE RD Street Name: **OTTAWA** County: Municipality: 15000 Site Info:

87.608535

444425.3

5012563

margin of error: 10 - 30 m

Order No: 21011800277

UTM83

wwr

18

Lot:

011 Concession: 01 RF Concession Name:

Easting NAD83: Northing NAD83:

Zone:

Elevation:

Elevrc:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

Zone:

UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536511.pdf

Bore Hole Information

11550577 Bore Hole ID:

DP2BR:

Spatial Status: Code OB:

Code OB Desc:

No formation data

Open Hole:

Cluster Kind:

Date Completed: 2/6/2006

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Annular Space/Abandonment

Sealing Record

933298387 Plug ID:

Layer: Plug From: 30 Plug To: 0 Plug Depth UOM: ft

Method of Construction & Well

<u>Use</u>

961536511 Method Construction ID:

Method Construction Code: Method Construction: Other Method Construction:

Pipe Information

11560184 Pipe ID:

Casing No:

Comment: Alt Name:

W/427.2 83.9 / 4.00 55 LODGE RD lot 11 con 1 37 1 of 1 **WWIS** OTTAWA ON

Well ID: 1536517 Data Entry Status:

Construction Date: Data Src: Primary Water Use: Date Received: 8/1/2006 Sec. Water Use: Selected Flag: Yes Final Well Status: Abandoned-Other Abandonment Rec: Yes

4006 Water Type: Contractor: Casing Material: Form Version: 3

Audit No: Z40115 Owner: 55 LODGE RD A036335 Street Name: Tag: **OTTAWA Construction Method:** County:

15000 Elevation (m): Municipality: Elevation Reliability: Site Info: Depth to Bedrock: Lot: 011

Well Depth: Concession: 01 Overburden/Bedrock: Concession Name: RF Pump Rate: Easting NAD83: Static Water Level: Northing NAD83:

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

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536517.pdf PDF URL (Map):

Bore Hole Information

Cluster Kind:

Bore Hole ID: 11550583 Elevation: 87.106307

DP2BR: Flevro: Spatial Status: Zone: 18 Code OB: East83: 444431.3

No formation data 5012601 Code OB Desc: North83: Open Hole: Org CS: UTM83

margin of error: 10 - 30 m Date Completed: 2/6/2006 UTMRC Desc: Remarks: Location Method: wwr

UTMRC:

Order No: 21011800277

Elevrc Desc: Location Source Date:

Annular Space/Abandonment Sealing Record

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

Plug ID: 933298889

Layer:

Plug From: Plug To:

Plug Depth UOM: m

Method of Construction & Well <u>Use</u>

Method Construction ID: 961536517

Method Construction Code: Method Construction: Other Method Construction:

Pipe Information

11560190 Pipe ID:

Casing No: Comment: Alt Name:

Water Supply

WSW/433.5 18 LODGE ROAD lot 10 con 1 38 1 of 1 75.6 / -4.23 OTTAWA ON

WWIS

Order No: 21011800277

Well ID: 7163245

Construction Date:

Primary Water Use: Domestic

Sec. Water Use:

Final Well Status:

Water Type:

Casing Material:

Audit No: Z119809 Tag: A105579

Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate:

Clear/Cloudy:

PDF URL (Map):

Data Entry Status:

Data Src:

Date Received: 5/18/2011 Selected Flag: Yes

Abandonment Rec:

Contractor: 1119 Form Version:

Owner:

Street Name: 18 LODGE ROAD

County: **OTTAWA NEPEAN TOWNSHIP**

Municipality: Site Info:

010 I of Concession: 01 RF Concession Name:

Easting NAD83: Northing NAD83:

Zone: UTM Reliability:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/716\7163245.pdf

Bore Hole Information

Bore Hole ID: 1003510562

DP2BR:

Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

3/1/2011 Date Completed:

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 1003901182

Layer: 3 Color: GREY General Color: Mat1:

LIMESTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 66

79.822975 Elevation:

Elevrc:

18 Zone: East83: 444473 North83: 5012277 Org CS: UTM83 UTMRC: 3

UTMRC Desc: margin of error: 10 - 30 m

Location Method:

Formation End Depth: 188
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003901183

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 18

Most Common Material: SANDSTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 188
Formation End Depth: 328
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003901181

Layer: 2

Color:

General Color:

 Mat1:
 28

 Most Common Material:
 SAND

 Mat2:
 11

 Mat2 Desc:
 GRAVEL

 Mat3:
 13

 Mat3 Desc:
 BOULDERS

Formation Top Depth: 35
Formation End Depth: 66
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003901180

 Layer:
 1

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 35
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003901184

 Layer:
 5

 Color:
 4

 General Color:
 GREEN

 Mat1:
 21

Most Common Material: GRANITE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 328
Formation End Depth: 500
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1003901217

 Layer:
 1

 Plug From:
 0

 Plug To:
 58

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1003901218

 Layer:
 2

 Plug From:
 58

 Plug To:
 68

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003901216

Method Construction Code:

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 1003901178

Casing No: 0

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1003901189

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 -2

 Depth To:
 68

 Casing Diameter:
 6

 Casing Diameter UOM:
 inch

 Casing Depth UOM:
 ft

Construction Record - Casing

Casing ID: 1003901190

Layer: 2
Material: 4

Open Hole or Material: OPEN HOLE

Depth From: 68

Depth To: 500
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1003901191

Layer: Slot:

Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM:
Screen Diameter UOM:
inch
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1003901179

Pump Set At:300Static Level:7.583Final Level After Pumping:126.75Recommended Pump Depth:200Pumping Rate:15Flowing Rate:15

Recommended Pump Rate: 15
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 0
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR: 1
Pumping Duration MIN: 0

Draw Down & Recovery

Flowing:

Pump Test Detail ID:1003901192Test Type:Draw DownTest Duration:1

Test Level: 16.583
Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003901214

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 126.75

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003901204

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 87.167

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003901206

 Test Type:
 Draw Down

 Test Duration:
 20

 Test Level:
 98.5

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003901203

 Test Type:
 Recovery

 Test Duration:
 10

 Test Level:
 37.083

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003901195

 Test Type:
 Recovery

 Test Duration:
 2

 Test Level:
 98.667

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003901198

 Test Type:
 Draw Down

 Test Duration:
 4

 Test Level:
 42.083

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003901199

 Test Type:
 Recovery

 Test Duration:
 4

 Test Level:
 79.75

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003901193

 Test Type:
 Recovery

 Test Duration:
 1

 Test Level:
 110.25

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003901202

 Test Type:
 Draw Down

 Test Duration:
 10

 Test Level:
 75.417

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:1003901210Test Type:Draw DownTest Duration:30

Test Level: 110
Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003901196

 Test Type:
 Draw Down

 Test Duration:
 3

 Test Level:
 35.583

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003901208

 Test Type:
 Draw Down

 Test Duration:
 25

 Test Level:
 104.583

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003901197

 Test Type:
 Recovery

 Test Duration:
 3

 Test Level:
 80.667

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003901205

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 29

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003901207

 Test Type:
 Recovery

 Test Duration:
 20

 Test Level:
 18.5

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003901200

 Test Type:
 Draw Down

 Test Duration:
 5

 Test Level:
 48.5

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003901201

 Test Type:
 Recovery

 Test Duration:
 5

 Test Level:
 66.167

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003901194

 Test Type:
 Draw Down

 Test Duration:
 2

 Test Level:
 27.167

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003901209

 Test Type:
 Recovery

 Test Duration:
 25

 Test Level:
 12.25

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003901211

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 7.583

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003901213

 Test Type:
 Draw Down

 Test Duration:
 50

 Test Level:
 121.583

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003901212

 Test Type:
 Draw Down

 Test Duration:
 40

 Test Level:
 118.167

 Test Level UOM:
 ft

Water Details

Water ID: 1003901188

 Layer:
 3

 Kind Code:
 8

 Kind:
 Untested

 Water Found Depth:
 455

 Water Found Depth UOM:
 ft

Water Details

Water ID: 1003901186

 Layer:
 1

 Kind Code:
 8

 Kind:
 Untested

 Water Found Depth:
 336

 Water Found Depth UOM:
 ft

Water Details

1003901187 Water ID:

Layer: 2 Kind Code: 8 Kind: Untested Water Found Depth: 428 Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1003901185

6 Diameter: Depth From: 0 500 Depth To: Hole Depth UOM: ft Hole Diameter UOM: inch

1 of 1 WNW/434.0 85.3 / 5.42 lot 11 con 1 39 **WWIS** ON

Well ID: 1516589 Data Entry Status:

Construction Date: Data Src:

Primary Water Use: Commerical Date Received: 8/9/1978 Sec. Water Use: Selected Flag: Yes

Final Well Status: Water Supply Abandonment Rec:

Water Type: Contractor: 3504 Casing Material: Form Version: 1 Audit No: Owner:

Street Name: Tag:

Construction Method: County: **OTTAWA**

Elevation (m): Municipality: **NEPEAN TOWNSHIP** Elevation Reliability: Site Info:

Depth to Bedrock: 011 Lot: Well Depth: 01 Concession:

Overburden/Bedrock: Concession Name: RF Pump Rate: Easting NAD83: Static Water Level: Northing NAD83:

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

 $https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1516589.pdf$ PDF URL (Map):

Bore Hole Information

Clear/Cloudy:

10038499 Bore Hole ID: Elevation: 87.146698

DP2BR: 102 Elevro: Spatial Status: Zone: 18 444429.7 Code OB: East83:

Bedrock North83: 5012621 Code OB Desc:

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 3/20/1978 UTMRC Desc: margin of error: 30 m - 100 m

Order No: 21011800277

Remarks: Location Method:

Elevrc Desc:

Location Source Date: Improvement Location Source:

Improvement Location Method: Source Revision Comment:

Overburden and Bedrock

Supplier Comment:

Materials Interval

Formation ID: 931032581

Layer: 5 Color: 2 General Color: **GREY** 28 Mat1: Most Common Material: SAND Mat2: 13 Mat2 Desc: **BOULDERS** Mat3: GRAVEL Mat3 Desc: Formation Top Depth: 34 102 Formation End Depth: Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931032583

Layer:

Color: General Color:

Mat1: 18

Most Common Material: SANDSTONE

Mat2: 73
Mat2 Desc: HARD

Mat3: Mat3 Desc:

Formation Top Depth: 200
Formation End Depth: 285
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931032582

Layer: 6
Color:

General Color:

Mat1: 1:

Most Common Material: LIMESTONE

Mat2: 18

Mat2 Desc: SANDSTONE

Mat3:74Mat3 Desc:LAYEREDFormation Top Depth:102Formation End Depth:200Formation End Depth UOM:ft

Overburden and Bedrock

Materials Interval

Formation ID: 931032580

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 10

Mat2 Desc: COARSE SAND

Mat3:79Mat3 Desc:PACKEDFormation Top Depth:27

Formation End Depth: 34
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931032578

 Layer:
 2

 Color:
 6

General Color: BROWN **Mat1:** 08

Most Common Material: FINE SAND

Mat2: 79
Mat2 Desc: PACKED

Mat3: Mat3 Desc:

Formation Top Depth: 1
Formation End Depth: 6
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931032579

Layer: Color: 2 General Color: **GREY** Mat1: 05 Most Common Material: CLAY Mat2: 73 **HARD** Mat2 Desc: Mat3: 79 **PACKED** Mat3 Desc: Formation Top Depth: 6 Formation End Depth: 27

Overburden and Bedrock

Formation End Depth UOM:

Formation ID: 931032586

Layer: 10

Color:

General Color:

Materials Interval

Mat1: 21

Most Common Material: GRANITE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 340 **Formation End Depth:** 380

Formation End Depth: 380 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931032577

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 02

 Most Common Material:
 TOPSOIL

 Mat2:
 77

 Mat2 Desc:
 LOOSE

 Mat3:
 79

 Mat3 Desc:
 PACKED

 Formation Top Depth:
 0

 Formation End Depth:
 1

 Formation End Depth UOM:
 ft

Overburden and Bedrock Materials Interval

Formation ID: 931032584

Layer: 8

Color:

General Color:

Mat1: 18

Most Common Material: SANDSTONE

Mat2: 85
Mat2 Desc: SOFT

Mat3: Mat3 Desc:

Formation Top Depth: 285
Formation End Depth: 286
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931032585

Layer:

Color:

General Color:

Mat1: 18

Most Common Material: SANDSTONE

Mat2: 73 Mat2 Desc: HARD

Mat3:

Mat3 Desc:

Formation Top Depth: 286
Formation End Depth: 340
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961516589

Method Construction Code: 4

Method Construction: Rotary (Air)

Other Method Construction:

Pipe Information

Pipe ID: 10587069

Casing No: Comment:

Alt Name:

Construction Record - Casing

Casing ID: 930067625

Layer: 2

Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 120
Casing Diameter: 12
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930067624

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To: 102
Casing Diameter: 8
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991516589

Pump Set At:

Static Level: 12 Final Level After Pumping: 175 Recommended Pump Depth: 300 Pumping Rate: 15 Flowing Rate: Recommended Pump Rate: 15 Levels UOM: ft Rate UOM: GPM Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: **Pumping Duration HR:** 5 **Pumping Duration MIN:** 0 Flowing: No

Water Details

Water ID: 933472920

Layer: 1
Kind Code: 5

Kind: Not stated
Water Found Depth: 200
Water Found Depth UOM: ft

Water Details

 Water ID:
 933472921

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 220

 Water Found Depth UOM:
 ft

40 1 of 1 WSW/440.2 80.2 / 0.31 lot 10 con 1

Well ID: 1504663 Data Entry Status:

Construction Date: Data Src. 1

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

Primary Water Use: **Public**

Sec. Water Use:

Water Supply Final Well Status:

Water Type: Casing Material: Audit No:

Tag: **Construction Method:**

Elevation (m): Elevation Reliability: Depth to Bedrock:

Well Depth: Overburden/Bedrock:

Pump Rate: Static Water Level: Flowing (Y/N):

Flow Rate: Clear/Cloudy:

PDF URL (Map):

10/6/1958 Date Received: Selected Flag: Yes

Abandonment Rec:

4216 Contractor: Form Version: 1

Owner: Street Name:

OTTAWA County: NEPEAN TOWNSHIP

85.437225

444430.7

5012352

margin of error: 100 m - 300 m

Order No: 21011800277

18

Municipality: Site Info:

Lot:

010 Concession: 01 RF Concession Name:

Easting NAD83: Northing NAD83:

Zone:

Elevation:

Elevrc:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

Zone:

UTM Reliability:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504663.pdf

Bore Hole Information

10026706 Bore Hole ID:

DP2BR: 104

Spatial Status:

Code OB: Code OB Desc: **Bedrock**

Open Hole:

Cluster Kind:

Date Completed: 8/31/1958

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

931000095 Formation ID:

Layer:

Color:

General Color:

Mat1: 13

Most Common Material: **BOULDERS**

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 2 Formation End Depth: 3 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931000098

Layer: 5 Color: 2 General Color: **GREY**

Mat1: 15

Most Common Material: LIMESTONE Mat2:

Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 104
Formation End Depth: 196
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931000097

Layer: 4

Color:

General Color:

Mat1:05Most Common Material:CLAYMat2:13

Mat2 Desc: BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 47
Formation End Depth: 104
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931000094

 Layer:
 1

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931000096

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 3
Formation End Depth: 47
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931000099 Formation ID:

Layer:

Color:

General Color:

Mat1: 18

Most Common Material: SANDSTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

196 Formation Top Depth: 298 Formation End Depth:

Formation End Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961504663 **Method Construction Code:**

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10575276

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930046147

Layer: Material: STEEL Open Hole or Material: Depth From: 127 Depth To: Casing Diameter: 8

Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

930046148 Casing ID:

Layer: Material:

OPEN HOLE Open Hole or Material:

Depth From:

298 Depth To: Casing Diameter: 8 Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

930046146 Casing ID:

Layer: 1 Material: Open Hole or Material: **STEEL**

Depth From:

106 Depth To: Casing Diameter: 13 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

991504663 Pump Test ID:

Pump Set At:

Static Level: Final Level After Pumping: 145

Recommended Pump Depth:

68 Pumping Rate:

Flowing Rate:

Recommended Pump Rate:

Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: 60 **Pumping Duration HR:** Pumping Duration MIN: 0

Water Details

Flowing:

Water ID: 933457962

No

Layer: Kind Code: **FRESH** Kind:

Water Found Depth: 140 Water Found Depth UOM: ft

Water Details

Water ID: 933457964

Layer: 3 Kind Code: **FRESH** Kind: Water Found Depth: 295 Water Found Depth UOM: ft

Water Details

41

Water ID: 933457963 Layer: 2 Kind Code: 1

FRESH Kind: Water Found Depth: 196 Water Found Depth UOM: ft

1 of 1

Well ID: 1500328 Data Entry Status:

Data Src:

Construction Date:

Primary Water Use: Domestic Date Received: 11/26/1957 Yes

88.2 / 8.28

lot 22

ON

WWIS

Order No: 21011800277

Sec. Water Use: Selected Flag: Water Supply Final Well Status: Abandonment Rec:

Water Type: Contractor: 3601 Casing Material: Form Version: 1

Audit No: Owner:

SE/442.0

Tag: Street Name:

 Construction Method:
 County:
 OTTAWA

 Elevation (m):
 Municipality:
 GLOUCESTER TOWNSHIP

Elevation Reliability: Site Info:

Depth to Bedrock:Lot:022Well Depth:Concession:

Overburden/Bedrock:Concession Name:BFPump Rate:Easting NAD83:Static Water Level:Northing NAD83:

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

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1500328.pdf

Bore Hole Information

Bore Hole ID: 10022373 **Elevation:** 88.156021

 DP2BR:
 46
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 r
 East83:
 445120.8

 Code OB:
 F
 East83:
 445120.8

 Code OB Desc:
 Bedrock
 North83:
 5012152

Open Hole: Org CS: Cluster Kind: UTMRC:

 Date Completed:
 10/14/1957
 UTMRC Desc:
 margin of error: 100 m - 300 m

Order No: 21011800277

Remarks: Location Method: p5
Elevrc Desc:

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

Overburden and Bedrock Materials Interval

Location Source Date:

Formation ID: 930988978

Layer: 2

Color:

General Color:

Mat1: 15

Most Common Material: LIMESTONE Mat2:

Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth:

Formation Top Depth: 46
Formation End Depth: 51
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930988977

Layer: 1

Color:

General Color: Mat1:

Mat1: 05

Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 46
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961500328

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10570943

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930037679

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:
Depth To: 46
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930037680

Layer: 2 **Material:** 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 51
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991500328

Pump Set At:

Static Level: 16
Final Level After Pumping: 20
Recommended Pump Depth:

Pumping Rate:

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 No

5

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

Records

Distance (m)

DΒ

Water Details

Water ID: 933452845

Layer: 1 Kind Code: 1

FRESH Kind: Water Found Depth: 51 Water Found Depth UOM: ft

1 of 1 NNE/470.8 88.9 / 9.00 lot 20 42 **WWIS** ON

Well ID: 1500319 Data Entry Status:

Construction Date: Data Src:

1/22/1957 Primary Water Use: Domestic Date Received: Sec. Water Use: Selected Flag: Yes

Final Well Status: Water Supply Abandonment Rec: Water Type: Contractor: 3718 Casing Material: Form Version: 1

Audit No: Owner: Street Name: Tag:

Construction Method: County: **OTTAWA**

GLOUCESTER TOWNSHIP Elevation (m): Municipality: Elevation Reliability: Site Info:

Depth to Bedrock: Lot: 020 Well Depth: Concession:

Overburden/Bedrock: Concession Name: BF Easting NAD83: Pump Rate:

Static Water Level: Northing NAD83:

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

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1500319.pdf

Bore Hole Information

Bore Hole ID: 10022364 Elevation: 89.112754

DP2BR: 71 Elevrc:

Spatial Status: Zone: 18 East83: 444970.8 Code OB: Code OB Desc: Bedrock North83: 5012952

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 10/25/1956 **UTMRC Desc:** margin of error: 100 m - 300 m

5

Order No: 21011800277

Location Method: Remarks: р5

Elevrc Desc: Location Source Date:

Improvement Location Method: Source Revision Comment: Supplier Comment:

Improvement Location Source:

Overburden and Bedrock **Materials Interval**

930988943 Formation ID:

Layer:

General Color:

Mat1: 14

HARDPAN Most Common Material:

Color:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 40 46 Formation End Depth: Formation End Depth UOM: ft

Overburden and Bedrock **Materials Interval**

Formation ID: 930988944

Layer: 3 Color: 3 **BLUE** General Color: Mat1: 05 Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 46 Formation End Depth: 65 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930988945

Layer:

Color: General Color:

Mat1: 11

Most Common Material: **GRAVEL**

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 65 Formation End Depth: 71 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930988942

Layer: Color: 3 General Color: **BLUE** Mat1: 05 Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

0 Formation Top Depth: 40 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 930988946

Layer: 5

Color: General Color:

Mat1:

Most Common Material: SANDSTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Mat3 Desc:
Formation Top Depth: 71
Formation End Depth: 80

Method of Construction & Well

Formation End Depth UOM:

<u>Use</u>

Method Construction ID:961500319Method Construction Code:1

ft

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10570934

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930037660

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To: 72
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930037661

Layer: 2

Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:80Casing Diameter:4Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991500319

Pump Set At:

Static Level: 30
Final Level After Pumping: 40
Recommended Pump Depth:
Pumping Rate: 5

Flowing Rate:

Recommended Pump Rate:

Levels UOM:ftRate UOM:GPMWater State After Test Code:1Water State After Test:CLEARPumping Test Method:1Pumping Duration HR:2Pumping Duration MIN:0Flowing:No

Water Details

 Water ID:
 933452832

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 71

ft

43 1 of 2 WSW/475.8 81.6 / 1.69 lot 10 con 1

Well ID: 1522199

Construction Date:

Water Found Depth UOM:

Primary Water Use: Municipal Sec. Water Use: Final Well Status: Test Hole

Water Type: Casing Material:

Audit No: 22001

Tag:

Construction Method:

Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate:

Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy: ON

Data Entry Status:

Data Src:

Date Received: 2/15/1988
Selected Flag: Yes
Abandonment Rec:
Contractor: 4006

Form Version: Owner: Street Name:

County: OTTAWA

Municipality: NEPEAN TOWNSHIP

1

Site Info:

 Lot:
 010

 Concession:
 01

 Concession Name:
 RF

Easting NAD83: Northing NAD83: Zone: UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1522199.pdf

Bore Hole Information

Bore Hole ID: 10044012

DP2BR:

Spatial Status: Code OB:

Code OB Desc: Overburden

Open Hole:

Cluster Kind:

Date Completed: 12/4/1987

Remarks: Elevrc Desc:

Lievic Desc. Laggian Course D

Location Source Date:

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

Supplier Comment:

Elevation: 86.080902

Elevrc:

Zone: 18 **East83:** 444404.7 **North83:** 5012320

Org CS:

UTMRC: 9

UTMRC Desc: unknown UTM

Location Method: lot

Overburden and Bedrock

Materials Interval

Formation ID: 931050545

 Layer:
 1

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 13

Mat2 Desc:BOULDERSMat3:79Mat3 Desc:PACKEDFormation Top Depth:0Formation End Depth:48Formation End Depth UOM:ft

Overburden and Bedrock

Materials Interval

Formation ID: 931050546

Layer: Color: 2 **GREY** General Color: Mat1: 12 STONES Most Common Material: Mat2: 11 **GRAVEL** Mat2 Desc: Mat3: 06 Mat3 Desc: SILT Formation Top Depth: 48 Formation End Depth: 63

Annular Space/Abandonment

Formation End Depth UOM:

Sealing Record

Plug ID: 933109751

ft

 Layer:
 1

 Plug From:
 0

 Plug To:
 25

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961522199

Method Construction Code: 2

Method Construction: Rotary (Convent.)

Other Method Construction:

Pipe Information

Pipe ID: 10592582

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930076961

Layer: 2 Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To:53Casing Diameter:6Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930076960

Layer: Material:

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 63
Casing Diameter: 8
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

933326130 Screen ID: Layer: 045 Slot: Screen Top Depth: 53 Screen End Depth: 63 Screen Material: Screen Depth UOM: ft Screen Diameter UOM: inch Screen Diameter: 6

Results of Well Yield Testing

Pump Test ID: 991522199

Pump Set At: Static Level: 9 43 Final Level After Pumping: Recommended Pump Depth: 50 50 Pumping Rate: Flowing Rate: Recommended Pump Rate: 50 Levels UOM: ft Rate UOM: **GPM**

Water State After Test Code:

Water State After Test:

Pumping Test Method:

Pumping Duration HR:

Pumping Duration MIN:

O

Flowing:

No

Draw Down & Recovery

Pump Test Detail ID: 934109313

Test Type:

 Test Duration:
 15

 Test Level:
 9

 Test Level UOM:
 ft

Draw Down & Recovery

Order No: 21011800277

Мар Кеу	Numbe		Direction/	Elev/Diff	Site		DB
	Record	S	Distance (m)	(m)			
Pump Test Detail ID:			934903381				
Test Type: Test Duration:			60				
Test Level:			22				
Test Level UC	ОМ:		ft				
Draw Down & Recovery							
Pump Test D	etail ID:		934392998				
Test Type:							
Test Duration	1:		30				
Test Level: Test Level UOM:		14 ft					
rest Level UC	JIVI:		ıı				
Draw Down &	Recovery	<u>'</u>					
Pump Test D	etail ID:		934654549				
Test Type:							
Test Duration	1:		45				
Test Level: Test Level U(044		18 ft				
rest Level OC	JIVI.		ıı				
Water Details	Ē						
Water ID:			933479998				
Layer:		1					
Kind Code:			1				
Kind: Water Found Depth:			FRESH 53				
Water Found Depth UOM:		ft					
			14/014//477.0	04.0./4.00			
<u>43</u>	2 of 2		WSW/475.8	81.6 / 1.69	lot 10 con 1 ON		WWIS
Well ID:		1522201			Data Entry Status:		
Construction					Data Src:	1	
		Not Used			Date Received:	2/15/1988	
Sec. Water Use: Final Well Status: Test Ho		Toct Hold			Selected Flag: Abandonment Rec:	Yes	
Water Type:		,		Contractor:	4006		
Casing Material:				Form Version:	1		
Audit No: 21996				Owner:			
Tag:					Street Name:		
Construction					County:	OTTAWA	
Elevation (m): Elevation Reliability:					Municipality: Site Info:	NEPEAN TOWNSHIP	
Depth to Bedrock:				Lot:	010		
Well Depth:					Concession:	01	
Overburden/L	Bedrock:				Concession Name:	RF	
Pump Rate:					Easting NAD83:		
Static Water I					Northing NAD83:		
Flowing (Y/N) Flow Rate:):				Zone: UTM Reliability:		
Clear/Cloudy	:				оты пенаянця.		
PDF URL (Map):			https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1522201.pdf				
FUF UKL (IVIA	ι ν).		mips.//uznilaznoeod	nav.olouuliolil.ill	cvmoc_mapping/downloads	/2vva.cs//vvc113_pa13/132\1322201.pa1	
Bore Hole Inf	ormation						

Bore Hole ID: DP2BR: Spatial Status: Elevation: Elevrc: Zone: 10044014 6 86.080902

Order No: 21011800277

18

East83:

North83:

Org CS: UTMRC:

UTMRC Desc:

Location Method:

444404.7

5012320

lot

unknown UTM

Code OB: h

Code OB Desc: Mixed in a Layer

Open Hole: Cluster Kind:

Date Completed: 10/26/1987

Remarks: Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931050553

Layer: 3 Color: 2 General Color: **GREY** Mat1: 28 Most Common Material: SAND Mat2: 06 Mat2 Desc: SILT Mat3: 05 CLAY Mat3 Desc: 28 Formation Top Depth: Formation End Depth: 41 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931050552

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 06

 Mat2 Desc:
 SILT

 Mat3:
 18

Mat3 Desc: SANDSTONE

Formation Top Depth: 6
Formation End Depth: 28
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931050554

 Layer:
 4

Color: General Color: **GREY** Mat1: 28 SAND Most Common Material: 06 Mat2: Mat2 Desc: SILT Mat3: 12 **STONES** Mat3 Desc: Formation Top Depth: 41 Formation End Depth: 58 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931050551

Layer:

Color: 6

BROWN General Color: Mat1: 05 Most Common Material: CLAY 06 Mat2: Mat2 Desc: SILT

Mat3: Mat3 Desc:

0 Formation Top Depth: Formation End Depth: 6 Formation End Depth UOM: ft

Overburden and Bedrock **Materials Interval**

931050555 Formation ID:

Layer: 5 Color: 2 General Color: **GREY** Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: **FRACTURED**

Mat3: 15

LIMESTONE Mat3 Desc:

Formation Top Depth: 58 Formation End Depth: 110 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

961522201 **Method Construction ID:**

Method Construction Code:

Method Construction: Rotary (Convent.)

Other Method Construction:

Pipe Information

Pipe ID: 10592584

Casing No:

Comment: Alt Name:

Construction Record - Casing

930076965 Casing ID:

Layer: 1

Material:

Open Hole or Material: **OPEN HOLE**

Depth From:

Depth To: 63 8 Casing Diameter: Casing Diameter UOM: inch Casing Depth UOM: ft

Order No: 21011800277

Construction Record - Casing

Casing ID: 930076966

Layer: 2 Material: Open Hole or Material: STEEL

Depth From:

63 Depth To: Casing Diameter: 10 Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930076967

Layer: 3

Material:

Open Hole or Material: **OPEN HOLE**

Depth From:

Depth To: 110 Casing Diameter: 8 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991522201

Pump Set At:

2 Static Level: Final Level After Pumping: 100 100 Recommended Pump Depth: Pumping Rate: 10 Flowing Rate:

10 Recommended Pump Rate: Levels UOM: Rate UOM: **GPM**

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

Draw Down & Recovery

934903383 Pump Test Detail ID: Test Type: Recovery Test Duration: 60 Test Level: 18 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934654551 Recovery Test Type: Test Duration: 45 26 Test Level: Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 934393000

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 34

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934109315

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 61

 Test Level UOM:
 ft

Water Details

Water ID: 933480002

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 88

ft

ft

Water Details

Water Found Depth UOM:

Water Found Depth UOM:

 Water ID:
 933480001

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 62

44 1 of 1 WSW/477.7 81.6 / 1.69 lot 10 con 1 WWIS

Well ID: 1530599 Data Entry Status:

Construction Date: Data Src:

Primary Water Use:DomesticDate Received:7/9/1999Sec. Water Use:Selected Flag:Yes

Final Well Status: Water Supply Abandonment Rec:

Water Type: Contractor: 1558
Casing Material: Form Version: 1

Casing Material: Form Version:
Audit No: 194858 Owner:
Tag: Street Name:

Construction Method: County: OTTAWA

Elevation (m):Municipality:NEPEAN TOWNSHIPElevation Reliability:Site Info:

 Depth to Bedrock:
 Lot:
 010

 Well Depth:
 Concession:
 01

Well Depth: Concession: 01
Overburden/Bedrock: Concession Name:
Pump Rate: Easting NAD83:

Static Water Level: Northing NAD83: Flowing (Y/N): Zone:

Flow Rate: UTM Reliability:

Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1530599.pdf

Bore Hole Information

Bore Hole ID: 10052134 **Elevation:** 86.146965

DP2BR: Elevrc:

Zone:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

18

444402.7

5012320

unknown UTM

Order No: 21011800277

Spatial Status:

Code OB:

Code OB Desc: Overburden

Open Hole:

Cluster Kind:

6/2/1999 Date Completed:

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

931076002 Formation ID:

Layer: 2 Color:

BROWN General Color: Mat1: 05 Most Common Material: CLAY 79 Mat2: Mat2 Desc: **PACKED**

Mat3: Mat3 Desc:

Formation Top Depth: 4 Formation End Depth: 15

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931076003

Layer: 3 Color: 2 General Color: **GREY** Mat1: 05 Most Common Material: CLAY Mat2: 86 Mat2 Desc: STICKY

Mat3: Mat3 Desc:

Formation Top Depth: 15 65 Formation End Depth: Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931076005 Formation ID:

Layer: 5 2 Color: General Color: **GREY** Mat1: Most Common Material: **GRAVEL** Mat2:

Mat2 Desc: Mat3:

Mat3 Desc:

Formation Top Depth: 80 Formation End Depth: 82

PACKED

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931076001

Layer: 1 **Color:** 6

 Color:
 6

 General Color:
 BROWN

 Mat1:
 02

 Most Common Material:
 TOPSOIL

 Mat2:
 81

 Mat2 Desc:
 SANDY

Mat3 Desc:STONESFormation Top Depth:0Formation End Depth:4Formation End Depth UOM:ft

12

Overburden and Bedrock

Materials Interval

Mat3:

Formation ID: 931076004

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 28

 Most Common Material:
 SAND

 Mat2:
 11

 Mat2 Desc:
 GRAVEL

 Mat3:
 13

Mat3 Desc: BOULDERS

Formation Top Depth: 65
Formation End Depth: 80
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 933115749

 Layer:
 1

 Plug From:
 0

 Plug To:
 40

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961530599

Method Construction Code: 4

Method Construction: Rotary (Air)

Other Method Construction:

Pipe Information

Pipe ID: 10600704

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930090943

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 82
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930090942

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To:81Casing Diameter:6Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

 Pump Test ID:
 991530599

 Pump Set At:
 991530599

Static Level: 13
Final Level After Pumping: 50
Recommended Pump Depth: 50
Pumping Rate: 50
Flowing Rate:

Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY

Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

 Pump Test Detail ID:
 934385156

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 13

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934664092

 Test Type:
 Recovery

 Test Duration:
 45

 Test Level:
 13

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:934902710Test Type:Recovery

Map Key Number of Direction/ Elev/Diff Site DΒ Records Distance (m) (m) 60 Test Duration:

Test Level: 13 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934118980 Test Type: Recovery Test Duration: 15 Test Level: 13 ft Test Level UOM:

Water Details

Water ID: 933490786

Layer: Kind Code:

5 Kind: Not stated

Water Found Depth: 81 Water Found Depth UOM:

Water Details

933490787 Water ID: Layer: 2

Kind Code: 5

Not stated Kind: Water Found Depth: 82 Water Found Depth UOM: ft

lot 10 con 1 1 of 1 WSW/482.7 79.9 / 0.00 45 **WWIS** ON

Owner:

Street Name:

Order No: 21011800277

1504662 Well ID: Data Entry Status:

Construction Date: Data Src:

6/13/1958 Primary Water Use: Domestic Date Received: Sec. Water Use: Selected Flag: Yes

Water Supply Final Well Status: Abandonment Rec: Water Type: 1802 Contractor: Casing Material: Form Version:

Audit No: Tag:

Construction Method: County:

OTTAWA Municipality: **NEPEAN TOWNSHIP** Elevation (m): Elevation Reliability: Site Info: Depth to Bedrock: 010

Lot: Well Depth: 01 Concession: Overburden/Bedrock: Concession Name: RF Pump Rate: Easting NAD83:

Static Water Level: Northing NAD83:

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

Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504662.pdf

Bore Hole Information

10026705 83.402839 Bore Hole ID: Elevation:

DP2BR: 61 Elevrc:

Spatial Status: Zone: 18 Code OB: East83: 444430.7

Code OB Desc: Bedrock North83: 5012252

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed:5/28/1958UTMRC Desc:margin of error: 100 m - 300 mRemarks:Location Method:p5

Remarks: Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931000091

Layer: 1
Color:

General Color:

Mat1: 05
Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 40
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931000092

Layer: 2

Color:

General Color:

Mat1: 13

Most Common Material:BOULDERSMat2:11Mat2 Desc:GRAVEL

Mat3: Mat3 Desc:

Formation Top Depth: 40
Formation End Depth: 61

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931000093

Layer: Color:

General Color:

Mat1: 18

Most Common Material: SANDSTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 61
Formation End Depth: 190
Formation End Depth UOM: ft

Order No: 21011800277

Method of Construction & Well

<u>Use</u>

Method Construction ID:961504662Method Construction Code:7

Method Construction: Diamond

Other Method Construction:

Pipe Information

 Pipe ID:
 10575275

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930046145

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 190
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930046144

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 63
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991504662

6

Pump Set At:
Static Level: 8
Final Level After Pumping: 20
Recommended Pump Depth:

Pumping Rate: 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: 933457961

Layer: Kind Code:

FRESH Kind: Water Found Depth: 188 Water Found Depth UOM: ft

46 1 of 1 SSE/492.2 84.8 / 4.97 lot 22 **WWIS** ON

Well ID: 1510695 Data Entry Status:

Construction Date: Data Src:

Primary Water Use: Not Used Date Received: 11/14/1961

Sec. Water Use: Selected Flag: Yes 0 Final Well Status: Abandonment Rec: Test Hole

1802 Water Type: Contractor: Casing Material: Form Version: 1

Audit No: Owner: Street Name: Tag:

Construction Method: OTTAWA County:

Elevation (m): Municipality: **GLOUCESTER TOWNSHIP** Elevation Reliability: Site Info:

Depth to Bedrock: Lot: 022

Well Depth: Concession: Overburden/Bedrock: Concession Name: ΒF

Pump Rate: Easting NAD83: Static Water Level: Northing NAD83:

Flowing (Y/N): Zone:

UTM Reliability: Flow Rate: Clear/Cloudy:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510695.pdf PDF URL (Map):

Bore Hole Information

Bore Hole ID: 10032719 Elevation: 88.457473

27 DP2BR: Elevrc:

Spatial Status: Zone: 18 Code OB: East83: 444970.8

Code OB Desc: Bedrock North83: 5012022 Open Hole: Org CS:

Cluster Kind: UTMRC: Date Completed: 8/15/1961 **UTMRC Desc:**

margin of error: 100 m - 300 m Remarks: Location Method: р5

Order No: 21011800277

Elevrc Desc: Location Source Date:

Overburden and Bedrock

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

Formation ID: 931015608

Layer:

Color:

General Color:

Materials Interval

Mat1: 02

TOPSOIL Most Common Material:

Mat2:

Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931015609

Layer: 2 Color:

General Color:

Mat1:05Most Common Material:CLAYMat2:13

Mat2 Desc: BOULDERS

Mat3: 11

Mat3 Desc:GRAVELFormation Top Depth:2

Formation Top Depth: 2
Formation End Depth: 27
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931015610

Layer: 3

Color: General Color:

Mat1:

vial i

Most Common Material: DOLOMITE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 27
Formation End Depth: 42
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961510695

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10581289

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930058008

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 27
Casing Diameter: 6

Order No: 21011800277

Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

930058009 Casing ID: Layer: 2

Material:

Open Hole or Material: **OPEN HOLE**

Depth From:

42 Depth To: Casing Diameter: 6 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

991510695 Pump Test ID:

Pump Set At:

Static Level: 4 40 Final Level After Pumping: Recommended Pump Depth: 40 Pumping Rate: 20 Flowing Rate:

Recommended Pump Rate: 18 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: **Pumping Duration HR:** 2 **Pumping Duration MIN:** 0

Water Details

Flowing:

Water ID: 933465735 Layer: Kind Code: 1

FRESH Kind: Water Found Depth: 28 ft Water Found Depth UOM:

47 1 of 1 NNE/492.8 89.2 / 9.31 **BORE** ON

No

Borehole ID: 612055 Inclin FLG: No

OGF ID: 215513365 SP Status: Initial Entry Status: Surv Elev: No

Type: Borehole Piezometer: Primary Name: Use:

Municipality: Completion Date: Static Water Level: 6.4 Lot:

Primary Water Use: Township: Sec. Water Use: Latitude DD:

No

45.268093 Total Depth m: -999 Longitude DD: -75.701357 **Ground Surface** UTM Zone: Depth Ref: 18

Depth Elev: Easting: 444981 Drill Method: Northing: 5012972 Orig Ground Elev m: 89.9 Location Accuracy:

Not Applicable Elev Reliabil Note: Accuracy:

DEM Ground Elev m: 89.5

Number of Elev/Diff Site Map Key Direction/

Records

Distance (m) (m)

DΒ

Order No: 21011800277

Concession: Location D: Survey D: Comments:

Borehole Geology Stratum

218389934 Geology Stratum ID: Mat Consistency: Top Depth: 18.9 Material Moisture: **Bottom Depth:** Material Texture: Material Color: Non Geo Mat Type: Bedrock Material 1: Geologic Formation:

Material 2: Sandstone Geologic Group: Geologic Period: Material 3: Material 4: Depositional Gen:

Gsc Material Description:

BEDROCK, SANDSTONE. SEISMIC VELOCITY = 17400. BEDROCK. SEISMIC VELOCITY = 17000. 200135076 Stratum Description:

**Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 218389930 Mat Consistency: Top Depth: n Material Moisture: **Bottom Depth:** 6.1 Material Texture: Material Color: Non Geo Mat Type:

Material 1: Clay Geologic Formation: Material 2: Geologic Group: Geologic Period: Material 3: Depositional Gen: Material 4:

Gsc Material Description:

CLAY. Stratum Description:

218389933 Geology Stratum ID: Mat Consistency: Top Depth: Material Moisture: **Bottom Depth:** 18.9 Material Texture: Material Color: Non Geo Mat Type: Material 1: Till Geologic Formation:

Material 2: Geologic Group: Geologic Period: Material 3: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: TILL.

218389931 Geology Stratum ID: Mat Consistency: Top Depth: 6.1 Material Moisture: **Bottom Depth:** 12.2 Material Texture: Material Color: Non Geo Mat Type:

Material 1: Sand Geologic Formation: Material 2: **Boulders** Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

SAND.BOULDERS. Stratum Description:

218389932 Geology Stratum ID: Mat Consistency: Top Depth: Material Moisture: 12.2 **Bottom Depth:** 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. WATER STABLE AT 274.0 FEET.

Source

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

Source Appl: Source Type: **Data Survey** Spatial/Tabular

Source Orig: Geological Survey of Canada Source Iden: Source Date: 1956-1972 Scale or Res: Varies Confidence: Horizontal: NAD27 Mean Average Sea Level

Observatio: Verticalda:

Source Name: Urban Geology Automated Information System (UGAIS) File: OTTAWA1.txt RecordID: 045630 NTS_Sheet: 31G05B Source Details:

Confiden 1: Reliable information but incomplete.

Source List

NAD27 Source Identifier: Horizontal Datum:

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)

Geological Survey of Canada Source Originators:

NNE/495.3 88.9 / 9.00 680 RIVER RD. 48 1 of 1 **WWIS** OTTAWA ON

7313066 Well ID: Data Entry Status:

Construction Date: Data Src:

Primary Water Use: Test Hole Date Received: 6/19/2018 Monitoring Sec. Water Use: Selected Flag: Yes Final Well Status: Abandoned-Other Abandonment Rec: Water Type: 7241

Contractor: Casing Material: Form Version:

Audit No: Z277407 Owner: A190859 Street Name: 680 RIVER RD. Tag:

Construction Method: County: **OTTAWA** Municipality: **GLOUCESTER TOWNSHIP** Elevation (m): Elevation Reliability: Site Info:

Depth to Bedrock: Lot: Well Depth: Concession: Overburden/Bedrock: Concession Name: Pump Rate: Easting NAD83: Static Water Level: Northing NAD83:

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

PDF URL (Map):

Bore Hole Information

1007114021 Bore Hole ID: Elevation: DP2BR: Elevrc: Spatial Status: Zone: 18 Code OB: East83: 445053 Code OB Desc: 5012948 North83: Open Hole: Org CS: UTM83 Cluster Kind: **UTMRC:**

Date Completed: 3/28/2018 **UTMRC Desc:** margin of error: 30 m - 100 m

Order No: 21011800277

Remarks: Location Method:

Elevrc Desc: Location Source Date:

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

Supplier Comment:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1007275298

Method Construction Code: Method Construction: Other Method Construction:

Pipe Information

1007275290 Pipe ID:

Casing No: Comment: Alt Name:

Construction Record - Casing

Casing ID: 1007275294

Layer: 1 Material:

Open Hole or Material: **PLASTIC**

Depth From: Depth To:

4.03 Casing Diameter: Casing Diameter UOM: cm Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1007275295

Layer:

Slot:

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

cm Screen Diameter: 4.82

Water Details

Water ID: 1007275293

Layer: Kind Code: Kind:

Hole Diameter

Water Found Depth: Water Found Depth UOM: m

Hole ID: 1007275292 Diameter: 15.24 Depth From: 0 Depth To: 2.3

Hole Depth UOM: m Hole Diameter UOM: cm

> WSW/498.6 1 of 1 79.9 / 0.00

> > Order No: 21011800277

ON

BORE

49

Borehole ID: 612018 Inclin FLG: No

OGF ID: 215513328 SP Status: Initial Entry

Status:Surv Elev:NoType:BoreholePiezometer:No

Use: Primary Name:
Completion Date: Municipality:
Static Water Level: 6.7 Lot:

Primary Water Use: Township:
Sec. Water Use: Latitude DD:

 Total Depth m:
 -999
 Longitude DD:
 -75.708284

 Depth Ref:
 Ground Surface
 UTM Zone:
 18

 Depth Elev:
 Easting:
 444431

Drill Method:

Orig Ground Elev m: 85.3

Northing: 5012222

Location Accuracy:

Elev Reliabil Note: Accuracy: Not Applicable

Concession: Location D: Survey D: Comments:

DEM Ground Elev m:

82.7

Borehole Geology Stratum

Geology Stratum ID:218389825Mat Consistency:Top Depth:18.6Material Moisture:Bottom Depth:Material Texture:Material Color:Non Geo Mat Type:Material 1:BedrockGeologic Formation:

Material 1:BedrockGeologic FormationMaterial 2:SandstoneGeologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: BEDROCK, SANDSTONE. 00080CK. SEISMIC VELOCITY = 14500. BEDROCK. SEISMIC VELOCITY = 17000

**Note: Many records provided by the department have a truncated [Stratum Description] field.

Depositional Gen:

Depositional Gen:

Order No: 21011800277

45.261299

218389824 Geology Stratum ID: Mat Consistency: Top Depth: Material Moisture: 12.2 **Bottom Depth:** 18.6 Material Texture: Material Color: Non Geo Mat Type: Material 1: Gravel Geologic Formation: Material 2: Geologic Group: **Boulders** Material 3: Geologic Period:

Gsc Material Description:

Material 4:

Stratum Description: GRAVEL, BOULDERS. WATER STABLE AT 258.0 FEET.

Geology Stratum ID: 218389823 Mat Consistency: Top Depth: 0 Material Moisture: Bottom Depth: 12.2 Material Texture: Material Color: Non Geo Mat Type: Clay Material 1: Geologic Formation: Geologic Group: Material 2: Material 3: Geologic Period:

Gsc Material Description:

Stratum Description: CLAY.

Source

Material 4:

Source Type: Data Survey Source Appl: Spatial/Tabular

Source Orig:Geological Survey of CanadaSource Iden:1Source Date:1956-1972Scale or Res:Varies

Source Date:1956-1972Scale or Res:VariesConfidence:MHorizontal:NAD27

Observatio: Verticalda: Mean Average Sea Level

Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 045260 NTS Sheet: 31G05B

Confiden 1: Reliable information but incomplete.

Source List

Source Identifier: 1 Horizontal Datum: NAD27

Source Type:Data SurveyVertical Datum:Mean Average Sea LevelSource Date:1956-1972Projection Name:Universal Transverse Mercator

Scale or Resolution: Varies

Source Name: Urban Geology Automated Information System (UGAIS)

Source Originators: Geological Survey of Canada

50 1 of 1 SE/498.6 88.6 / 8.69
ON
BORE

Borehole ID: 612011 Inclin FLG: No

OGF ID: 215513321 SP Status: Initial Entry Status: Surv Elev: No

Status:Surv Elev:NoType:BoreholePiezometer:No

Use: Primary Name: Completion Date: OCT-1957 Municipality:

Static Water Level: Lot:
Primary Water Use: Township:

 Sec. Water Use:
 Latitude DD:
 45.260093

 Total Depth m:
 15.8
 Longitude DD:
 -75.699474

 Depth Ref:
 Ground Surface
 UTM Zone:
 18

 Depth Ref:
 Ground Surface
 UTM Zone:
 18

 Depth Elev:
 Easting:
 445121

 Drill Method:
 Northing:
 5012082

Orig Ground Elev m: 88.4 Location Accuracy:

Elev Reliabil Note: Accuracy: Not Applicable

DEM Ground Elev m: 88.1

Concession: Location D: Survey D: Comments:

Borehole Geology Stratum

Geology Stratum ID: 218389808 Mat Consistency:
Top Depth: 0 Material Moisture:
Bottom Depth: 14 Material Texture:
Material Color: Non Geo Mat Type:
Material 1: Clay Geologic Formation

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: 218389809 Mat Consistency:
Top Depth: 14 Material Moisture:
Bottom Depth: 15.8 Material Texture:
Material Color: Non Geo Mat Type:
Material 1: Limestone Geologic Formation

Material 1:LimestoneGeologic Formation:Material 2:Geologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: LIMESTONE. 00052Y = 1100. UNSPECIFIED. SEISMIC VELOCITY = 4000. BEDROCK. SEISMIC VELOCITY =

**Note: Many records provided by the department have a truncated [Stratum Description] field.

Order No: 21011800277

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

<u>Source</u>

Source Type: Data Survey Source Appl: Spatial/Tabular

Source Orig: Geological Survey of Canada Source Iden: Source Date: 1956-1972 Scale or Res: Varies NAD27 Confidence: Horizontal: Observatio: Verticalda: Mean Average Sea Level

Urban Geology Automated Information System (UGAIS) Source Name:

Source Details: File: OTTAWA1.txt RecordID: 04519 NTS_Sheet:

Confiden 1:

Source List

Source Identifier: 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

Urban Geology Automated Information System (UGAIS) Source Name:

Geological Survey of Canada Source Originators:

51 1 of 1 SE/498.7 88.6 / 8.69 lot 22 **WWIS** ON

1500329 Well ID: Data Entry Status:

Construction Date: Data Src:

Primary Water Use: Date Received: 11/26/1957 Domestic Sec. Water Use: Selected Flag: Yes Final Well Status: Water Supply Abandonment Rec: Water Type: Contractor: 3601

Casing Material: Form Version: 1 Audit No: Owner:

Street Name: Tag: **Construction Method:** County:

OTTAWA Elevation (m): Municipality: **GLOUCESTER TOWNSHIP** Elevation Reliability: Site Info:

022 Depth to Bedrock: Lot: Well Depth: Concession:

BF Overburden/Bedrock: Concession Name: Pump Rate: Easting NAD83:

Static Water Level: Northing NAD83: Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1500329.pdf

Bore Hole Information

Bore Hole ID: 10022374 88.131523 Elevation:

DP2BR: 46 Elevrc: Spatial Status: Zone: 18

445120.8 Code OB: East83: Code OB Desc: **Bedrock** North83: 5012082

Open Hole: Org CS:

Cluster Kind: **UTMRC**: UTMRC Desc: Date Completed: 10/18/1957 margin of error: 100 m - 300 m

Order No: 21011800277

Remarks: Location Method: Elevrc Desc:

Location Source Date:

Improvement Location Source:

Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 930988979

Layer:

Color:

General Color:

Mat1: 05
Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 46
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930988980

Layer: 2

Color:

General Color:

Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3:

Mat3 Desc:
Formation Top Depth: 46
Formation End Depth: 52

Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961500329

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10570944

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930037681

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To: 46
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Order No: 21011800277

Construction Record - Casing

Casing ID: 930037682

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 52
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991500329

Pump Set At:
Static Level: 16
Final Level After Pumping: 18
Recommended Pump Depth:
Pumping Rate: 4
Flowing Rate:

Recommended Pump Rate:

Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1

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

Water Details

Water ID: 933452846

Layer: Kind Code:

Kind: FRESH
Water Found Depth: 52
Water Found Depth UOM: ft

52 1 of 1 WNW/500.5 85.9 / 6.05 lot 11 con 1 ON WWIS

Site Info:

Well ID: 1505930 Data Entry Status:

Construction Date:

Data Src:

Primary Water Use:

Data Peccived:

Primary Water Use:DomesticDate Received:3/27/1956Sec. Water Use:0Selected Flag:Yes

Final Well Status:Water SupplyAbandonment Rec:Water Type:Contractor:4806Casing Material:Form Version:1

Audit No: Owner:
Tag: Street Name:

 Construction Method:
 County:
 OTTAWA

 Elevation (m):
 Municipality:
 NEPEAN TOWNSHIP

Depth to Bedrock:Lot:011Well Depth:Concession:01

Overburden/Bedrock: Concession Name: RF
Pump Rate: Easting NAD83:

Static Water Level:

Flowing (Y/N):

Northing NAD83:
Zone:

Flow Rate: UTM Reliability:

Elevation Reliability:

Location Method:

p9

Order No: 21011800277

Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1505930.pdf

Bore Hole Information

Bore Hole ID: 10027973 **Elevation:** 87.169578

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 x
 East83:
 444420.7

 Code OB Desc:
 Unknown type in the lower layers(s)
 North83:
 5012762

Open Hole: Org CS:

Cluster Kind: 9

Date Completed: 12/1/1955 UTMRC: 9

UTMRC Desc: unknown UTM

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931003341

Layer: 1

Color:

General Color:

Mat1: 05
Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 25
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931003343

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: 90
Formation End Depth: 140
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931003342

Layer: 2

Color:

General Color:

Mat1: 09

Most Common Material: MEDIUM SAND

Mat2: 11
Mat2 Desc: GRAVEL

Mat3: Mat3 Desc:

Formation Top Depth: 25
Formation End Depth: 90
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961505930Method Construction Code:1Method Construction:Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10576543

 Casing No:
 1

 Comment:
 1

Alt Name:

Construction Record - Casing

 Casing ID:
 930048701

 Layer:
 2

Material:

Open Hole or Material:

Depth From:

Depth To: 140
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930048700

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To: 90
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991505930

Pump Set At:
Static Level: 21
Final Level After Pumping: 30
Recommended Pump Depth:
Pumping Rate: 7
Flowing Rate:

Recommended Pump Rate:

Levels UOM: ft Rate UOM: GPM

Map Key Number of Records Direction/ Elev/Diff Site DB

Water State After Test Code: 1
Water State After Test: CLEAR

Water State After Test Code:

Water State After Test:

CLEAR

Pumping Test Method:

Pumping Duration HR:

Pumping Duration MIN:

O

Flowing:

No

Water Details

 Water ID:
 933459963

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 135

Water Found Depth: 13
Water Found Depth UOM: ft

Water Details

 Water ID:
 933459962

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 125

 Water Found Depth UOM:
 ft

53 1 of 1 WNW/500.5 85.9 / 6.05 ON BORE

Geologic Formation:

Geologic Group:

No

Order No: 21011800277

 Borehole ID:
 612048
 Inclin FLG:
 No

 OGF ID:
 215513358
 SP Status:
 Initial Entry

 Status:
 Surv Elev:
 No

Type: Borehole Piezometer:
Use: Primary Name:

Completion Date:DEC-1955Municipality:Static Water Level:Lot:Primary Water Use:Township:

 Sec. Water Use:
 Latitude DD:
 45.266159

 Total Depth m:
 42.7
 Longitude DD:
 -75.708472

Depth Ref:Ground SurfaceUTM Zone:18Depth Elev:Easting:444421

Drill Method: Northing: 5012762
Orig Ground Elev m: 85.3 Location Accuracy:

Elev Reliabil Note: Accuracy: Not Applicable

DEM Ground Elev m: 87.2

Concession: Location D: Survey D: Comments:

Borehole Geology Stratum

Geology Stratum ID:218389911Mat Consistency:Top Depth:7.6Material Moisture:Bottom Depth:27.4Material Texture:Material Color:Non Geo Mat Type:

Material 1: Sand
Material 2: Gravel

Material 3: Geologic Period:
Material 4: Depositional Gen:
Gsc Material Description:

Stratum Description: SAND,GRAVEL.

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

Geology Stratum ID: 218389910 Mat Consistency: Top Depth: Material Moisture:

Bottom Depth: 7.6 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: 218389912 Mat Consistency: Top Depth: 27.4 Material Moisture: Bottom Depth: 42.7 Material Texture: Material Color: Non Geo Mat Type: Unknown Material 1: Geologic Formation: Geologic Group: Material 2: Unknown Material 3: Unknown Geologic Period:

Gsc Material Description:

UNSPECIFIED, UNSPECIFIED, UNSPECIFIED. 001350. BEDROCK. SEISMIC VELOCITY = 18500. BED **Note: Stratum Description:

Many records provided by the department have a truncated [Stratum Description] field.

Depositional Gen:

Source

Material 4

Data Survey Source Type: Source Appl: Spatial/Tabular

Source Orig: Geological Survey of Canada Source Iden: Source Date: Scale or Res: 1956-1972 Varies

Confidence: Horizontal: NAD27

Observatio: Verticalda: Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS) Source Details: File: OTTAWA1.txt RecordID: 04556 NTS_Sheet:

Confiden 1:

Source List

Horizontal Datum: NAD27 Source Identifier:

Source Type: Data Survey Vertical Datum: Mean Average Sea Level Source Date: 1956-1972 Universal Transverse Mercator Projection Name:

Scale or Resolution: Varies Urban Geology Automated Information System (UGAIS) Source Name:

Source Originators: Geological Survey of Canada

unknown

84.9 / 5.00 1 of 1 SSE/520.6 746 River Road 54 **EHS** Ottawa ON

Order No: 20140107015 Nearest Intersection:

Municipality: Status: **Custom Report** ON Report Type: Client Prov/State: Report Date: 08-JAN-14 Search Radius (km): .25 07-JAN-14 -75.701494 Date Received: X:

Lot/Building Size: Additional Info Ordered:

Previous Site Name:

NW/528.7 83.5 / 3.61 1 of 5 Minto Developments Inc. 55 **ECA**

Y:

Ottawa ON K1R 7Y2

45.259256

Order No: 21011800277

Approval No: 8133-65GMW9 **MOE District:** Ottawa

Approval Date: 2004-10-06 City:

Approved Longitude: -75.70790000000001 Status:

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

ECA Record Type: Latitude: 45.2671

Link Source: **IDS** Geometry X: Rideau Valley SWP Area Name: Geometry Y: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Approval Type: Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS

Address: Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5837-65CNBZ-14.pdf

55 2 of 5 NW/528.7 83.5 / 3.61 Minto Developments Inc. **ECA**

Ottawa ON K1R 7Y2

9631-5HZMJF **MOE District:** Approval No: Ottawa

2003-01-21 Approval Date: City:

Status: Approved Longitude: -75.70790000000001 Record Type: ECA Latitude: 45.2671

Link Source: IDS Geometry X: SWP Area Name: Rideau Valley Geometry Y:

Approval Type: ECA-Municipal and Private Water Works Project Type: Municipal and Private Water Works Address: Full Address:

3 of 5 NW/528.7 83.5 / 3.61 Minto Developments Inc. 55 **ECA**

Ottawa ON K1R 7Y2

8984-65GN3X **MOE District:** Approval No: Ottawa

Approval Date: 2004-10-06 City:

Status: Approved Longitude: -75.70790000000001 Record Type: **ECA** Latitude: 45.2671

IDS Link Source: Geometry X: SWP Area Name: Rideau Valley Geometry Y:

ECA-Municipal Drinking Water Systems Approval Type: Project Type: Municipal Drinking Water Systems Address:

Full Address: Full PDF Link:

Link Source:

Full PDF Link:

4 of 5 NW/528.7 83.5 / 3.61 Minto Developments Inc. **55 ECA**

Part of Lots 11, 12, 13 and 14, Concession 1

ECA

Order No: 21011800277

Ottawa ON K1R 7Y2

Approval No: 2314-522N9J **MOE District:** Ottawa

Approval Date: 2001-09-05 City:

Status: Approved Longitude: -75.70790000000001 Record Type:

ECA Latitude: 45.2671 IDS Geometry X:

SWP Area Name: Rideau Valley Geometry Y: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Approval Type: Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Address: Part of Lots 11, 12, 13 and 14, Concession 1

Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3603-522HSC-14.pdf

5 of 5 NW/528.7 83.5 / 3.61 Minto Developments Inc.

55

Number of Direction/ Elev/Diff Site DΒ Map Key

Records Distance (m) (m)

Ottawa ON K1R 7Y2

Approval No: 1930-5HZMDY **MOE District:** Ottawa

Approval Date: 2003-01-21 City: Status: Approved Longitude: -75.70790000000001

Record Type: **ECA** Latitude: 45.2671 IDS Link Source: Geometry X:

Rideau Valley SWP Area Name: Geometry Y: Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS

Address: Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1239-5H8JU2-14.pdf

56 1 of 1 WSW/535.0 79.9 / 0.00 lot 10 con 1 **WWIS** ON

Well ID: 1513522 Data Entry Status:

Construction Date: Data Src: 1

11/9/1973 Primary Water Use: Domestic Date Received: Sec. Water Use: Selected Flag: Yes Final Well Status: Water Supply Abandonment Rec:

2557 Water Type: Contractor: Casing Material: Form Version: Audit No: Owner:

Street Name: Tag:

Construction Method: County: **OTTAWA**

NEPEAN TOWNSHIP Elevation (m): Municipality: Elevation Reliability: Site Info:

Depth to Bedrock: Lot: 010 Well Depth: Concession: 01 Overburden/Bedrock: Concession Name: RF

Easting NAD83: Pump Rate: Static Water Level: Northing NAD83: Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513522.pdf

Flevro:

Order No: 21011800277

Bore Hole Information

10035508 Bore Hole ID: 84.93151 Elevation: DP2BR:

Spatial Status: Zone:

18

444390.7 East83: Code OB: Overburden North83: 5012217 Code OB Desc:

Open Hole: Org CS: Cluster Kind: UTMRC:

6

Date Completed: 10/31/1973 UTMRC Desc: margin of error: 300 m - 1 km p6

Remarks: Location Method: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931023629

 Layer:
 1

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 10
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931023631

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

Mat2: 13
Mat2 Desc: BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 38
Formation End Depth: 50
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931023630

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 13

Mat2 Desc: BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 10
Formation End Depth: 38
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961513522Method Construction Code:4

Method Construction: Rotary (Air)

Other Method Construction:

Pipe Information

Pipe ID: 10584078

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930062837

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To:50Casing Diameter:6Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991513522

Pump Set At:

Static Level:12Final Level After Pumping:35Recommended Pump Depth:40Pumping Rate:0Flowing Rate:

Recommended Pump Rate:

 Levels UOM:
 ft

 Rate UOM:
 GPM

 Water State After Test Code:
 1

 Water State After Test:
 CLEAR

Pumping Test Method: Pumping Duration HR: Pumping Duration MIN:

Flowing: No

Water Details

57

Water ID: 933469107

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 47

 Water Found Depth UOM:
 ft

1 of 1

Well ID: 1500331 Construction Date:

Primary Water Use: Livestock
Sec. Water Use: Domestic
Final Well Status: Water Supply

Water Type: Casing Material: Audit No: Tag:

Construction Method:

Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth:

Overburden/Bedrock:

Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Data Entry Status:

lot 22

ON

Data Src: 1
Date Received: 1/17/1958
Selected Flag: Yes
Abandonment Rec:

Contractor: Form Version: Owner:

Street Name: County: OTTAWA

Municipality: GLOUCESTER TOWNSHIP

BF

1603

Site Info:

Lot: 022 Concession:

Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

SSE/535.4

84.8 / 4.92

Clear/Cloudy:

WWIS

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1500331.pdf

Bore Hole Information

Bore Hole ID: 10022376 Elevation: 87.188293

DP2BR: Elevrc:

Spatial Status: Zone: 18 Code OB: East83:

445020.8 Code OB Desc: Bedrock North83: 5011992

Open Hole: Org CS: Cluster Kind:

UTMRC: 12/20/1957 UTMRC Desc: margin of error: 100 m - 300 m Date Completed:

Remarks: Location Method:

Overburden and Bedrock

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

Formation ID: 930988984

Layer: 2 Color:

General Color:

Materials Interval

Elevrc Desc:

Mat1: 13

Most Common Material: **BOULDERS**

Mat2: 11

GRAVEL Mat2 Desc: Mat3:

Mat3 Desc:

Formation Top Depth: 26 Formation End Depth: 64 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930988985

Layer:

Color:

General Color:

Mat1:

Most Common Material: SANDSTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

64 Formation Top Depth: Formation End Depth: 88

Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930988983

Layer:

Color:

General Color:

Mat1: 23

Most Common Material: PREVIOUSLY DUG Mat2:

Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 26
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961500331Method Construction Code:1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10570946

 Casing No:
 1

Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930037685

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 64
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930037686

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:88Casing Diameter:2Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991500331

Pump Set At:

Static Level: 20
Final Level After Pumping: 25
Recommended Pump Depth:
Pumping Rate: 5
Flowing Rate:

Recommended Pump Rate:

Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1

Direction/ Elev/Diff Site DΒ Map Key Number of Records Distance (m) (m) Water State After Test: CLEAR **Pumping Test Method:** Pumping Duration HR: 1 **Pumping Duration MIN:** 0 Flowing: No Water Details Water ID: 933452848 Layer: Kind Code: 1 **FRESH** Kind: Water Found Depth: 88 Water Found Depth UOM: ft

58 1 of 1 N/588.8 85.5 / 5.63 PRIDMORE THOS QUARRY

GLOUCESTER ON

Site Access Code: Start Year:
AMIS Distr Code: End Year:

Abandoned Mine ID: 07680 Prog Rehab Plan: NO Old MDI ID: NOT AVAILABLE Evid of Site Contam: Now MDI ID: Evid of Sulphide:

 Official Nm:
 PRIDMORE THOS QUARRY
 Evid Animals Pres:

 Mine Status:
 ABANDONED
 Revegetation:

 Mine Plan/Section:
 UNDETERMINED
 Veg Condition:

 Site Class:
 D
 Veg Descr:

 Clos Reason Code:
 Chemical Doc:

Closure Plan: UNDETERMINED Jurisdiction: MINING ACT

Prim Commod Code: Lot No: 20

Prim Commod: UNDETRMINED Concession: BROKEN FRONT FROM RIDEAU RIVER

 Operat Access:
 N/A
 Zone:
 18

 Date Entered:
 25-JUN-2018
 Northing:
 5013081

 Date Last Modified:
 25-JUN-2018
 Easting:
 444928

Effective Date: Clos Reason: UNDETRMINED Hyper Link: http://www.geologyontario.mndm.gov.on.ca/mndmfiles/AMIS/data/records/07680.html

AMIS District: TWEED
District Desc: TWEED

Animal Desc: Status Type Code:

Mine Features Desc: QUARRY

AMIS Bkgrd Info: 3 M OF UNIDENTIFIED LIMESTONE QUARRY SECTION. COMMODITY: STONE

Alias Name: NOT AVAILABLE

AMIS Features

AMIS Feature ID: 93853 Feature Length:

Effective Date: Eval Performed Ind:

Date Last Modified: 25-JUN-2018 Soil Erosion Flag:

Dt Entered in AMIS: 25-JUN-2018 Txt Feature ID:

Mine Feat Class Desc: FEATURE TO SURFACE UTM Zone: 18
Feature Type Code: 5013081

 Feature Type Code:
 UTM Northing:
 5013081

 Mine Feat Type Desc:
 QUARRY
 UTM Easting:
 444928

 Hazard Status Desc:
 ACTIVE
 Lat DD Features:
 45.26907

 Depth or Height:
 3
 Long DD Features:
 -75.70204

Feature Width:

Mine Feature Condition Desc: UNKNOWN WIDTH AND LENGTH DIMENSIONS

59 1 of 1 E/593.4 88.9 / 9.00 Miller Waste Systems Inc.

Ottawa ON

Ref No:5587-B64UZEDischarger Report:Site No:NAMaterial Group:

Incident Dt: 2018/11/01 Health/Env Conseq: 2 - Minor Environment

Year: Client Type: Corporation

 Incident Cause:
 Sector Type:
 Miscellaneous Communal

 Incident Event:
 Leak/Break
 Agency Involved:

Incident Event:Leak/BreakAgency Involved:Contaminant Code:15Nearest Watercourse:

Contaminant Name: HYDRAULIC OIL Site Address:
Contaminant Limit 1: Site District Office: Ottawa

Contaminant Limit 7:

Contam Limit Freq 1:

Contaminant UN No 1: n/a

Site Postal Code:

Site Region:

Environment Impact:

Site Municipality:

Ottawa

Nature of Impact:Site Lot:Receiving Medium:Site Conc:

 Receiving Env:
 Land
 Northing:
 5012602.42

 MOE Response:
 No
 Easting:
 445430.03

Dt MOE Arvl on Scn:Site Geo Ref Accu:MOE Reported Dt:2018/11/01Site Map Datum:

Dt Document Closed: 2018/11/06 SAC Action Class: Primary Assessment of Spills

 Incident Reason:
 Equipment Failure
 Source Type:
 Motor Vehicle

 Site Name:
 351 Ardmore St<UNOFFICIAL>

Site Name: 351 Ardmore St<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:

Incident Summary: Miller Waste Systems: 100 liters hydraulic oil to road, cntd, clng

Contaminant Qty: 100 L

60 1 of 1 S/597.6 82.6 / 2.69 752 RIVER ROAD lot 22 con 1 WWIS

Well ID: 7328237 Data Entry Status:

Construction Date: Data Src:

Primary Water Use:Not UsedDate Received:2/13/2019Sec. Water Use:MonitoringSelected Flag:YesFinal Well Status:Abandonment Rec:YesWater Type:Contractor:4875

 Water Type:
 Contractor:
 4875

 Casing Material:
 Form Version:
 7

 Audit No:
 Z252125
 Owner:

Tag:A191643Street Name:752 RIVER ROAD

Construction Method: County: OTTAWA

Elevation (m):Municipality:GLOUCESTER TOWNSHIPElevation Reliability:Site Info:job no 18-gb044

 Depth to Bedrock:
 Lot:
 022

 Well Depth:
 Concession:
 01

Well Depth: Concession: 01
Overburden/Bedrock: Concession Name: RF
Pump Rate: Easting NAD83:

Static Water Level:
Northing NAD83:
Flowing (Y/N):
Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

PDF URL (Map):

Bore Hole Information

Bore Hole ID: 1007370767 Elevation: DP2BR: Elevro:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 444889

 Code OB Desc:
 North83:
 5011902

 Open Hole:
 Org CS:
 UTM83

 Cluster Kind:
 UTMRC:
 4

Date Completed: 1/8/2019 UTMRC Desc: margin of error : 30 m - 100 m

Order No: 21011800277

Remarks: Location Method: wwr

Elevrc Desc:

Location Source Date:

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

Annular Space/Abandonment

Sealing Record

1007720459 Plug ID:

Layer:

Plug From: Plug To:

Plug Depth UOM:

Annular Space/Abandonment

Sealing Record

Plug ID: 1007720458

Layer:

Plug From: Plug To:

Plug Depth UOM:

Pipe Information

Pipe ID: 1007720442

Casing No:

Comment: Alt Name:

> 1 of 1 SSE/635.2 89.9 / 10.00 lot 23 61 **WWIS** ON

1500335 Well ID:

Construction Date:

2/20/1962 Primary Water Use: Domestic Date Received: Sec. Water Use: Selected Flag: Yes

Final Well Status: Water Supply Abandonment Rec: Contractor: 1802 Water Type: Casing Material: Form Version: 1

Audit No:

Tag: **Construction Method:**

Elevation (m): Elevation Reliability: Depth to Bedrock:

Well Depth:

Overburden/Bedrock:

Pump Rate: Static Water Level:

Flowing (Y/N):

Flow Rate: Clear/Cloudy: Street Name: County: **OTTAWA**

GLOUCESTER TOWNSHIP Municipality:

Site Info:

Lot: 023

Concession:

Concession Name:

Easting NAD83: Northing NAD83:

Data Entry Status:

Data Src:

Owner:

Zone:

UTM Reliability:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1500335.pdf PDF URL (Map):

Bore Hole Information

Bore Hole ID: 10022380 Elevation: 88.369186

DP2BR: 49 Elevrc:

Spatial Status: Code OB:

Code OB Desc: Bedrock

Open Hole: Cluster Kind:

12/1/1961 Date Completed:

Remarks: Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: **Source Revision Comment:**

Supplier Comment:

Overburden and Bedrock

Materials Interval

930988994 Formation ID:

Layer: 3

Color:

General Color:

Mat1:

SANDSTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 49 Formation End Depth: 85 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 930988992

Layer: Color: 3 General Color: **BLUE** Mat1: 05 Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0 21 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

930988993 Formation ID:

Layer:

Color:

General Color:

Mat1: 09

Most Common Material: MEDIUM SAND Mat2: 13 **BOULDERS** Mat2 Desc: Mat3: 11 Mat3 Desc: **GRAVEL**

Formation Top Depth: 21 49 Formation End Depth:

Zone: 18 East83:

445090.8 North83: 5011912

Org CS:

UTMRC:

margin of error: 100 m - 300 m **UTMRC Desc:**

Location Method:

Formation End Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961500335 Method Construction Code: Cable Tool **Method Construction:**

Other Method Construction:

Pipe Information

Pipe ID: 10570950 Casing No: Comment:

Alt Name:

Construction Record - Casing

Casing ID: 930037694 Layer:

Material: Open Hole or Material: STEEL

Depth From:

Depth To: 51 Casing Diameter: 2 Casing Diameter UOM: inch Casing Depth UOM:

Construction Record - Casing

Casing ID: 930037695

Layer: Material:

Open Hole or Material: **OPEN HOLE**

Depth From: 85 Depth To: Casing Diameter: Casing Diameter UOM: inch Casing Depth UOM:

Results of Well Yield Testing

Pump Test ID: 991500335

Pump Set At:

23 Static Level: Final Level After Pumping: 35 Recommended Pump Depth: 35 5 Pumping Rate: Flowing Rate:

Recommended Pump Rate: 5 Levels UOM: ft

Rate UOM: **GPM** Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: **Pumping Duration HR:** 1 **Pumping Duration MIN:** 0 Flowing: No

Water Details

Map Key Number of Direction/ Elev/Diff Site DB

Water ID: 933452852

Records

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 82

 Water Found Depth UOM:
 ft

62 1 of 1 SSE/635.2 89.9 / 10.00 ON BORE

 Borehole ID:
 612003
 Inclin FLG:
 No

 OGF ID:
 215513313
 SP Status:
 Initial Entry

(m)

Status:Surv Elev:NoType:BoreholePiezometer:No

Use:
Completion Date:
DEC-1961
Municipality:
Static Water Level:
Primary Water Use:
Primary Water Use:
Primary Water Use:
Primary Water Use:
Primary Name:
Municipality:
Lot:
Township:

Distance (m)

 Sec. Water Use:
 Latitude DD:
 45.25856

 Total Depth m:
 25.9
 Longitude DD:
 -75.699837

Depth Ref:Ground SurfaceUTM Zone:18Depth Elev:Easting:445091Drill Method:Northing:5011912

Orig Ground Elev m: 88.4 Location Accuracy:

Elev Reliabil Note: Accuracy: Not Applicable
DEM Ground Elev m: 88.4

Concession: Location D: Survey D: Comments:

Borehole Geology Stratum

218389786 Geology Stratum ID: Mat Consistency: 0 Material Moisture: Top Depth: Bottom Depth: 6.4 Material Texture: Material Color: Blue 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. BLUE.

Geology Stratum ID:218389787Mat Consistency:Top Depth:6.4Material Moisture:Bottom Depth:14.9Material Texture:Material Color:Non Geo Mat Type:Material 1:SandGeologic Formation:

Material 1:SandGeologic FormationMaterial 2:BouldersGeologic Group:Material 3:GravelGeologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: SAND,BOULDERS,GRAVEL **Note: Many records provided by the department have a truncated [Stratum

Order No: 21011800277

Description] field.

218389788 Geology Stratum ID: Mat Consistency: Top Depth: 14.9 Material Moisture: **Bottom Depth:** 25.9 Material Texture: Material Color: White Non Geo Mat Type: Material 1: Sandstone Geologic Formation: Material 2: Geologic Group: Material 3: Geologic Period:

Direction/ Elev/Diff Site DΒ Map Key Number of

Records Distance (m) (m)

Material 4: Depositional Gen: Gsc Material Description:

SANDSTONE. 00082STONE, SAND. WHITE. SANDSTONE. WHITE. 00086 = 19500. BEDROCK. SEISMI **Note: Stratum Description:

Many records provided by the department have a truncated [Stratum Description] field.

<u>Source</u>

Data Survey Spatial/Tabular Source Type: Source Appl:

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)

File: OTTAWA1.txt RecordID: 04511 NTS Sheet: Source Details: Confiden 1:

Source List

Incident No:

Source Identifier: Horizontal Datum: NAD27

Source Type: **Data Survey** Vertical Datum: Mean Average Sea Level 1956-1972 Universal Transverse Mercator Source Date: Projection Name:

Scale or Resolution: Varies Source Name: Urban Geology Automated Information System (UGAIS)

Geological Survey of Canada Source Originators:

63 1 of 1 ESE/636.3 90.9 / 11.00 **ENBRIDGE GAS INC**

73 HUBBLE HEIGHTS,,OTTAWA,ON,K4M 0K2,CA

Incident ID: Fuel Category:

Incident Reported Dt: 4/22/2020 FS-Pipeline Incident Type:

Status Code:

ENBRIDGE GAS INC Customer Acct Name:

Incident Address: 73 HUBBLE HEIGHTS,,OTTAWA,ON,K4M

2832988

0K2,CA

Tank Status: Non Mandated Task No:

Spills Action Centre:

Fuel Type:

Fuel Occurrence Tp: Date of Occurrence:

Occurrence Start Dt: Operation Type: Pipeline Type: Regulator Type: Summary: Reported By: Affiliation:

Occurrence Desc: Damage Reason:

Notes:

Health Impact: Environment Impact: Property Damage: Service Interupt: Enforce Policy: Public Relation:

PINC

SPL

Order No: 21011800277

Pipeline System:

Depth: Pipe Material: PSIG:

Attribute Category: Regulator Location: Method Details:

64 1 of 2 ENE/645.9 88.9 / 9.00 Enbridge Energy Distribution Inc.

405 Golden Springs St. Ottawa ON

Ref No: 2773-B3GL2F Discharger Report: Site No: NA Material Group:

2018/08/09 Health/Env Conseq: 2 - Minor Environment

Incident Dt: Year: Client Type: Corporation

Incident Cause: Sector Type: Miscellaneous Communal

Incident Event: Leak/Break Agency Involved:

Contaminant Code: Nearest Watercourse: 405 Golden Springs St. Contaminant Name: NATURAL GAS (METHANE) Site Address:

Contaminant Limit 1: Site District Office: Ottawa

Contam Limit Freq 1: Site Postal Code:

Contaminant UN No 1: 1075 Site Region: Eastern **Environment Impact:** Site Municipality: Ottawa Nature of Impact: Site Lot:

Receiving Medium: Site Conc: Air Receiving Env: Northing: MOE Response: No Easting:

Dt MOE Arvl on Scn: Site Geo Ref Accu: 2018/08/09 MOE Reported Dt: Site Map Datum:

Dt Document Closed: SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel

Release/Spill

5012793.07

445394.28

Incident Reason: Operator/Human Error Pipeline/Components Source Type:

Site Name:

Line Strike Site<UNOFFICIAL> Site County/District:

Site Geo Ref Meth: TSSA FSB: Half-Inch Plastic IP Line Strike, Made Safe - OTTAWA Incident Summary:

Contaminant Qty: 0 other - see incident description

64 2 of 2 ENE/645.9 88.9 / 9.00 PIPELINE HIT 1/2" **PINC**

405 GOLDEN SPRING ST,,OTTAWA,ON,K4M

0B8,CA

Fuel Category: Incident ID: Health Impact: Incident No: 2368068

Incident Reported Dt: 8/9/2018 Environment Impact: FS-Pipeline Incident Property Damage: Type: Service Interupt: Status Code:

Customer Acct Name: PIPELINE HIT 1/2" Enforce Policy:

Public Relation: Incident Address: 405 GOLDEN SPRING ST,,OTTAWA,ON,K4M

0B8,CA Tank Status: Pipeline Damage Reason Est

Pipeline System: Task No: Depth:

Spills Action Centre: Pipe Material: Fuel Type: PSIG: Fuel Occurrence Tp: Attribute Category:

Date of Occurrence: Regulator Location: Occurrence Start Dt: Method Details: Operation Type:

Occurrence Desc:

Damage Reason:

Notes:

Pipeline Type: Regulator Type: Summary: Reported By: Affiliation:

> **65** 1 of 1 NNE/647.9 89.9 / 10.07 City of Ottawa

River Road and Earl Armstrong Rd

SPL

Order No: 21011800277

Ottawa ON

Ref No: 3347-B23FHL Discharger Report: Site No: Material Group:

Incident Dt: 2018/06/25 Health/Env Conseq: 2 - Minor Environment Year: Client Type: Municipal Government

Incident Cause: Sector Type: Miscellaneous Communal

Agency Involved:

Site District Office:

Site Postal Code: Site Region:

Site Municipality:

Site Geo Ref Accu:

SAC Action Class:

Site Map Datum:

Source Type:

Site Lot:

Site Conc:

Northing:

Easting:

River Road and Earl Armstrong Rd

Ottawa

Fastern

Ottawa

5013107 445086

Land Spills

Truck - Transport/Hauling

Order No: 21011800277

Leak/Break Incident Event:

Contaminant Code:

Nearest Watercourse: COOLANT (N.O.S.) Contaminant Name: Site Address:

Contaminant Limit 1:

Contam Limit Freq 1: Contaminant UN No 1: n/a **Environment Impact:**

Nature of Impact: Receiving Medium:

Receiving Env: Land MOE Response: No

Dt MOE Arvl on Scn:

2018/06/25 MOE Reported Dt: Dt Document Closed: 2018/07/27

Incident Reason: Material Failure - Poor Design/Substandard

> Material spill<UNOFFICIAL>

Site Name:

Site County/District: Site Geo Ref Meth:

Incident Summary: OC Transport coolant leak 5 L cleaning

5 L Contaminant Qty:

> WSW/656.0 1 of 1 84.2 / 4.32 66 **BORE** ON

612016 Borehole ID:

OGF ID: 215513326 Status: Borehole

Type: Use:

SEP-1957 Completion Date: Static Water Level: -5.8

Primary Water Use: Sec. Water Use:

Total Depth m: 82

Depth Ref: **Ground Surface**

Depth Elev: Drill Method:

Orig Ground Elev m: 86.9 Elev Reliabil Note:

DEM Ground Elev m: 87.8

Concession: Location D: Survey D: Comments:

Inclin FLG: No SP Status: Initial Entry Surv Elev: No Piezometer: No

Primary Name: Municipality:

Lot: Township:

Latitude DD: 45.261016 Lonaitude DD: -75.710384

UTM Zone: 18 444266 Easting: Northing: 5012192

Location Accuracy:

Accuracy: Not Applicable

Borehole Geology Stratum

218389819 Geology Stratum ID: Top Depth: 0 **Bottom Depth:** 22.9

Material Color:

Material 1: **Boulders** Material 2: Sand

Material 3: Material 4:

Gsc Material Description:

Stratum Description: BOULDERS, SAND.

Geology Stratum ID: 218389820 Top Depth: 22.9 **Bottom Depth:** 82 Material Color: Black

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

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

Depositional Gen:

Limestone Geologic Formation: Geologic Group: Geologic Period:

Material 4: Gsc Material Description:

LIMESTONE. GREY. 00269304.0 FEET.TE,SAND. BLACK. 00080CK. SEISMIC VELOCITY = 14500. Stratum Description:

Source

Material 1:

Material 2:

Material 3:

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 NAD27 Confidence: Horizontal:

Observatio: Verticalda: Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS) Source Details: File: OTTAWA1.txt RecordID: 04524 NTS_Sheet:

Confiden 1:

Source List

Source Identifier: 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: Source Name: Urban Geology Automated Information System (UGAIS)

Source Originators: Geological Survey of Canada

Varies

WSW/656.0 **67** 1 of 1 84.2 / 4.32 lot 10 con 2 **WWIS** ON

Well ID: 1505934 Data Entry Status:

Construction Date: Data Src:

10/31/1957 Primary Water Use: Domestic Date Received: Sec. Water Use: Selected Flag: 0 Yes

Final Well Status: Water Supply Abandonment Rec: Water Type: Contractor: 1603

Casing Material: Form Version: 1 Audit No: Owner: Street Name: Tag:

Construction Method: County: **OTTAWA**

NEPEAN TOWNSHIP Elevation (m): Municipality: Elevation Reliability: Site Info:

Depth to Bedrock: Lot: 010 Well Depth: Concession: 02

Overburden/Bedrock: Concession Name: RF Easting NAD83: Pump Rate:

Static Water Level: Northing NAD83: Flowing (Y/N): Zone: Flow Rate: UTM Reliability: Clear/Cloudy:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1505934.pdf PDF URL (Map):

Bore Hole Information

Bore Hole ID: 10027977 Elevation: 87.818527

DP2BR: 75 Elevrc: Spatial Status: Zone: 18

East83: Code OB: 444265.7 Code OB Desc: **Bedrock** North83: 5012192

Open Hole: Org CS: Cluster Kind: UTMRC: 5

UTMRC Desc:

Location Method:

margin of error: 100 m - 300 m

Order No: 21011800277

p5

Date Completed: 9/21/1957

Remarks: Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

931003352 Formation ID:

Layer: Color: General Color: **GREY** Mat1: 15

LIMESTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 75 269 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931003351

Layer:

Color:

General Color:

Mat1: 13

Most Common Material: **BOULDERS**

Mat2: 09

Mat2 Desc: MEDIUM SAND

Mat3:

Mat3 Desc:

Formation Top Depth: 0 Formation End Depth: 75 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961505934 **Method Construction Code:**

Diamond **Method Construction:**

Other Method Construction:

Pipe Information

10576547 Pipe ID:

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930048708

Layer:

Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To: 75
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930048709

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 269
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991505934

Pump Set At:

Static Level: 17
Final Level After Pumping: 60
Recommended Pump Depth:

Pumping Rate: 4

Flowing Rate:

Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Water Details

68

 Water ID:
 933459967

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 269

Water Found Depth: 269
Water Found Depth UOM: ft

Well ID: 1504656

1 of 1

Construction Date:

Primary Water Use: Domestic Sec. Water Use: 0

Final Well Status: Water Supply

Water Type: Casing Material: Audit No:

Construction Method:

Elevation (m):

lot 9 con 2 ON

Data Entry Status:

Data Src:

Date Received: 1/9/1957 Selected Flag: Yes Abandonment Rec:

Contractor: Form Version:

Owner: Street Name:

County: OTTAWA

Municipality: NEPEAN TOWNSHIP

3601

WWIS

Order No: 21011800277

SW/656.7

81.2 / 1.35

Tag:

Elevation Reliability: Depth to Bedrock:

Well Depth: Overburden/Bedrock:

Pump Rate: Static Water Level: Flowing (Y/N):

Flow Rate:

Clear/Cloudy:

PDF URL (Map):

Site Info:

009 Lot: 02 Concession: RF Concession Name:

Easting NAD83: Northing NAD83: Zone:

UTM Reliability:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504656.pdf

Bore Hole Information

Bore Hole ID: 10026699 DP2BR: 62

Spatial Status:

Code OB:

Code OB Desc: Bedrock

Open Hole: Cluster Kind:

Date Completed: 12/13/1956

Remarks: Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

931000077 Formation ID:

Laver:

Color:

General Color:

Mat1:

LIMESTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 62 Formation End Depth: 108 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931000075

Layer:

Color:

General Color:

Mat1: 05 CLAY Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

0 Formation Top Depth: Formation End Depth: 55 Formation End Depth UOM: ft

Elevation: 84.805976

Elevrc:

Zone: 18

444415.7 East83: North83: 5012002 Org CS:

UTMRC:

UTMRC Desc: margin of error: 100 m - 300 m

Order No: 21011800277

Location Method:

Overburden and Bedrock

Materials Interval

Formation ID: 931000076

Layer:

Color:

General Color:

Mat1: 11
Most Common Material: GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 55
Formation End Depth: 62
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961504656

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10575269

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930046133

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:108Casing Diameter:4Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930046132

Layer: 1
Material: 1
Open Hole or Material: STEEL

Open Hole or Material: Depth From:

Depth To: 66
Casing Diameter: 4
Casing Diameter UOM: inch

Casing Diameter UOM: in the Casing Depth UOM:

Results of Well Yield Testing

Pump Test ID: 991504656

Pump Set At:

Number of Direction/ Elev/Diff Site DΒ Map Key Records Distance (m) (m) 28 Static Level: Final Level After Pumping: 32 Recommended Pump Depth: Pumping Rate: 3 Flowing Rate: Recommended Pump Rate: Levels UOM: ft **GPM** Rate UOM: Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: 1

Water Details

Flowing:

Pumping Duration HR:

Pumping Duration MIN:

933457955 Water ID: Layer: 1

1 0

No

Kind Code:

FRESH Kind: Water Found Depth: 108 Water Found Depth UOM: ft

1 of 1 WSW/657.6 79.9 / 0.00 69 **BORE** ON

Borehole ID: 848074 Inclin FLG: No OGF ID: 215589728 SP Status: Initial Entry Status: Decommissioned Surv Elev: No Borehole Piezometer: Type: No

Geotechnical/Geological Investigation Primary Name: Use:

Completion Date: 06-MAY-1959 Municipality: Static Water Level: Lot: Primary Water Use: Township:

NEPEAN 45.260281 Sec. Water Use: Latitude DD: Total Depth m: 19.3 Longitude DD: -75.709746 **Ground Surface** UTM Zone: Depth Ref: 18 Easting: Depth Elev: 444315

Drill Method: Diamond Drill Northing: 5012110

Orig Ground Elev m: 85.1 Location Accuracy: Accuracy:

Elev Reliabil Note:

DEM Ground Elev m: 84.6 CON 1 Concession:

Location D: Survey D:

Borehole Geology Stratum

Comments:

Geology Stratum ID: 6559848 Mat Consistency: Loose

Top Depth: 0 Material Moisture: Bottom Depth: 5.4 Material Texture: Material Color: Brown Non Geo Mat Type: Material 1: Gravel Geologic Formation: Material 2: Silt - Sand Geologic Group: Material 3: Clay Geologic Period: Material 4: organic material Depositional Gen:

Gsc Material Description:

BROWN TO GREY-BROWN, LOOSE TO MEDIUM DENSE GRAVEL-SAND-SILT-CLAY FILL WITH ODD TRACE Stratum Description:

OF ORGANIC **Note: Many records provided by the department have a truncated [Stratum Description] field.

LOT 10

Within 10 metres

Order No: 21011800277

Geology Stratum ID: 6559851 Mat Consistency: Very Dense

Material Moisture: Top Depth: 16.7

Bottom Depth: 17.7 Material Texture: Fine to Coarse

Material Color: Non Geo Mat Type: Material 1: Gravel Geologic Formation: Material 2: **Boulders** Geologic Group: Geologic Period: Material 3: Material 4: Depositional Gen:

Gsc Material Description:

VERY DENSE FINE TO COARSE ANGULAR GRAVEL AND BOULDERS **Note: Many records provided by the Stratum Description:

department have a truncated [Stratum Description] field.

Geology Stratum ID: 6559849 Mat Consistency: Dense

5.4 Material Moisture: Top Depth:

Bottom Depth: 14.5 Fine to Medium Material Texture:

Material Color: Grey Non Geo Mat Type: Material 1: Geologic Formation: Sand Material 2: Granite Geologic Group: Geologic Period: Material 3: Boulders Material 4: Limestone Depositional Gen:

Gsc Material Description:

LIGHT GREY, MEDIUM DENSE TO DENSE FINE TO MEDIUM SAND WITH FINE TO COARSE ANGULAR TO Stratum Description:

SUB-ANGULAR GRAVEL AND BOULDERS; WITH AN APPRECIABLE AMOUNT OF LIMESTONE ROCK-

Order No: 21011800277

FLOUR.

6559850 Geology Stratum ID: Mat Consistency: Dense

Top Depth: 14.5 Material Moisture:

16.7 **Bottom Depth:** Fine to Medium Material Texture:

Grey Material Color: Non Geo Mat Type: Material 1: Sand Geologic Formation: Material 2 Silt Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

GREY DENSE FAINTLY LAYERED FINE SAND WITH MEDIUM SAND AND ODD TRACE OF SILT **Note: Many Stratum Description:

records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6559852 Mat Consistency: Top Depth: 17.7 Material Moisture: **Bottom Depth:** 19.3 Material Texture: Material Color: Grev Non Geo Mat Type: Material 1: Limestone Geologic Formation: Material 2: Dolomite Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: GREY DOLOMITIC LIMESTONE **Note: Many records provided by the department have a truncated [Stratum

Description] field.

1 of 1 NNE/663.2 91.9 / 12.00 lot 20 **70 WWIS** ON

Well ID: 1500320 Data Entry Status:

Construction Date: Data Src:

Primary Water Use: Date Received: 12/3/1963 Public Sec. Water Use: Selected Flag: Yes

Water Supply Final Well Status: Abandonment Rec: Contractor:

Water Type: 1503 Casing Material: Form Version: 1

Audit No: Owner: Tag: Street Name:

Construction Method: **OTTAWA** County:

Elevation (m): Municipality: **GLOUCESTER TOWNSHIP** Elevation Reliability: Site Info:

Depth to Bedrock: Lot: 020

Well Depth: Concession:

Overburden/Bedrock:

BF Concession Name: Pump Rate: Easting NAD83:

Static Water Level: Northing NAD83: Flowing (Y/N): Zone:

Flow Rate: UTM Reliability:

Clear/Cloudy:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1500320.pdf PDF URL (Map):

Bore Hole Information

10022365 90.214523 Bore Hole ID: Elevation:

DP2BR: 62 Elevrc:

Spatial Status: Zone: 18 Code OB: East83: 445040.8 Code OB Desc: Bedrock North83: 5013132

Open Hole: Org CS: Cluster Kind: UTMRC: 5

UTMRC Desc: Date Completed: 8/12/1963 margin of error: 100 m - 300 m

Remarks: Location Method: Elevrc Desc:

Location Source Date: Improvement Location Source:

Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

930988947 Formation ID:

Layer:

Color: General Color:

05 Mat1:

CLAY Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0 Formation End Depth: 20

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 930988948

Layer: 2

General Color:

Color:

09 Mat1:

Most Common Material: MEDIUM SAND

Mat2: 13

BOULDERS Mat2 Desc:

Mat3: Mat3 Desc:

Formation Top Depth: 20 Formation End Depth: 40

Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930988950

Layer: 4

Color:

General Color:

Mat1: 14

Most Common Material:HARDPANMat2:13Mat2 Desc:BOULDERS

Mat3:

Mat3 Desc:

Formation Top Depth: 46
Formation End Depth: 62
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930988949

Layer: 3

Color:

General Color:

Mat1: 11

Most Common Material: GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 40
Formation End Depth: 46
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930988951

Layer: 5

Color:

General Color:

Mat1: 18

Most Common Material: SANDSTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 62
Formation End Depth: 102
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961500320

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10570935

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930037662

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 67
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930037663

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:102Casing Diameter:5Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991500320

Pump Set At:

36 Static Level: Final Level After Pumping: 36 80 Recommended Pump Depth: Pumping Rate: 15 Flowing Rate: 10 Recommended Pump Rate: Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: CLOUDY Water State After Test: Pumping Test Method: Pumping Duration HR: **Pumping Duration MIN:** 0 No Flowing:

Water Details

 Water ID:
 933452834

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 95

 Water Found Depth UOM:
 ft

Water Details

Water ID: 933452833

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 80

Number of Direction/ Elev/Diff Site DΒ Map Key

Records Distance (m) (m)

ft

Water Found Depth UOM:

Water Details

Water ID: 933452835

Layer: 3 Kind Code:

FRESH Kind: Water Found Depth: 101 Water Found Depth UOM:

1 of 1 WSW/663.2 78.2 / -1.70 71 **BORE** ON

Latitude DD:

UTM Zone:

Easting:

Northing:

Accuracy:

Longitude DD:

Location Accuracy:

Borehole ID: 848077 Inclin FLG: No OGF ID: 215589731 SP Status: Initial Entry Status: Decommissioned Surv Elev: No Borehole Piezometer: No Type:

Geotechnical/Geological Investigation Use: Primary Name: Completion Date: 27-JAN-1978 Municipality:

Static Water Level: 0.9 Lot: Primary Water Use: Township:

Total Depth m: 5.9

Ground Surface Depth Ref: Depth Elev:

Drill Method: Hollow stem auger

Orig Ground Elev m: 25.3

Elev Reliabil Note: DEM Ground Elev m: 81.3

CON 1 Concession:

Location D: Survey D: Comments:

Sec. Water Use:

Borehole Geology Stratum

Geology Stratum ID: 6559864 Mat Consistency: Top Depth: 0 Material Moisture: **Bottom Depth:** 1.4 Material Texture: Material Color: Non Geo Mat Type:

Material 1: Sand Geologic Formation: Material 2: Gravel Geologic Group: Fill Material 3: Geologic Period: Material 4: Cobbles Depositional Gen:

Gsc Material Description:

SAND, SOME GRAVEL, FILL, COBBLES, SAND WITH CLAYEY SILT, SOME GRAVEL **Note: Many records Stratum Description:

provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6559865 Mat Consistency: Very Loose 1.4 Material Moisture:

Top Depth: **Bottom Depth:** 4.6 Material Texture: Material Color: Non Geo Mat Type: Material 1: Sand Geologic Formation: Material 2: Gravel Geologic Group: Material 3: Silt Geologic Period: Depositional Gen:

Material 4: Clay Gsc Material Description:

Stratum Description: GRAVELLY SAND TO SANDY GRAVEL, SOME SILT, TRACE OF CLAY, VERY LOOSE TO LOOSE TO

COMPACT TO DENSE **Note: Many records provided by the department have a truncated [Stratum Description]

LOT₁₀

18

NEPEAN

45.260138

-75.709681

444320

5012094

Within 10 metres

Order No: 21011800277

field.

Geology Stratum ID: 6559866 Mat Consistency:

Records Distance (m)

Top Depth:4.6Material Moisture:Bottom Depth:5.9Material Texture:Material Color:Non Geo Mat Type:

Material 1:BedrockGeologic Formation:Material 2:LimestoneGeologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: SOUND LIMESTONE BEDROCK **Note: Many records provided by the department have a truncated [Stratum

Description] field.

72 1 of 1 WSW/665.3 84.2 / 4.32 3626 WOODROFFE AVE lot 10 con 2 WWIS

Well ID: 7112994 Data Entry Status:
Construction Date: Data Src:

Construction Date:
Primary Water Use:
Data Src:
Date Received: 10/14/2008

Sec. Water Use: Selected Flag: Yes
Final Well Status: Abandoned-Other Abandonment Rec: Yes
Water Type: Contractor: 1558

Casing Material:Form Version:Audit No:Z84402Owner:

Tag: Street Name: 3626 WOODROFFE AVE

Construction Method: County: OTTAWA

Elevation (m):Municipality:NEPEAN TOWNSHIPElevation Reliability:Site Info:

 Depth to Bedrock:
 Lot:
 010

 Well Depth:
 Concession:
 02

Well Depth: Concession:
Overburden/Bedrock: Concession Name:
Pump Rate: Easting NAD83:

Static Water Level: Northing NAD83: Flowing (Y/N): Zone:

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

Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/711\7112994.pdf

Bore Hole Information

Bore Hole ID: 1001836052 **Elevation:** 87.281951

DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 444260

 Code OB Desc:
 North83:
 5012183

 Open Hole:
 Org CS:
 UTM83

 Cluster Kind:
 UTMRC:
 3

Date Completed: 9/18/2008 UTMRC Desc: margin of error: 10 - 30 m

Order No: 21011800277

Remarks: Location Method: wwr

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Annular Space/Abandonment

Sealing Record

Plug ID: 1001919827

Layer:

Plug From: Plug To:

Plug Depth UOM: m

Method of Construction & Well

Method Construction ID: 1001919831 **Method Construction Code:**

Method Construction: Other Method Construction:

Pipe Information

Pipe ID: 1001919824

Casing No:

Comment: Alt Name:

Construction Record - Casing

1001919829 Casing ID:

Layer: Material:

Open Hole or Material:

Depth From: Depth To: Casing Diameter: Casing Diameter UOM:

cm Casing Depth UOM: m

Construction Record - Screen

1001919830 Screen ID:

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM:

m Screen Diameter UOM: cm

Screen Diameter:

Water Details

Water ID: 1001919828

Layer: Kind Code: Kind:

Water Found Depth: Water Found Depth UOM: m

Hole Diameter

Hole ID: 1001919826

Diameter: Depth From: Depth To:

Hole Depth UOM: m

Hole Diameter UOM: cm

> **73** 1 of 1 W/665.4 90.9 / 11.00 lot 11 con 1 ON

WWIS

1504665 Well ID:

Construction Date:

Primary Water Use: Domestic

Sec. Water Use:

Final Well Status: Water Supply

Water Type: Casing Material: Audit No:

Tag:

Construction Method:

Elevation (m): Elevation Reliability: Depth to Bedrock:

Well Depth: Overburden/Bedrock:

Pump Rate: Flowing (Y/N):

Static Water Level:

Flow Rate: Clear/Cloudy: Data Entry Status:

Data Src:

7/17/1952 Date Received: Selected Flag: Yes

Abandonment Rec:

3725 Contractor: Form Version:

Owner:

Street Name:

County: **OTTAWA**

NEPEAN TOWNSHIP Municipality:

Site Info:

Lot: 011 Concession: 01 Concession Name: RF

Easting NAD83: Northing NAD83: Zone:

UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504665.pdf

Bore Hole Information

Bore Hole ID: 10026708

DP2BR: Spatial Status:

Code OB:

Code OB Desc: Overburden

Open Hole:

Cluster Kind:

Date Completed: 6/26/1952

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

931000104 Formation ID:

Layer: 3

Color:

General Color:

Mat1:

GRAVEL Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

60 Formation Top Depth: Formation End Depth: 78 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931000102 Formation ID:

Elevation:

Elevrc: Zone: 18

East83: 444180.7 North83: 5012512

Org CS:

UTMRC:

UTMRC Desc: unknown UTM

92.183952

Order No: 21011800277

Location Method: p9

Layer: Color:

General Color:

Mat1:

05 Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0 Formation End Depth: 46 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931000103

Layer:

Color:

General Color:

Mat1: 09

Most Common Material: MEDIUM SAND

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

46 Formation Top Depth: Formation End Depth: 60 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961504665 **Method Construction Code:**

Cable Tool **Method Construction:**

Other Method Construction:

Pipe Information

Pipe ID: 10575278

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930046151

Layer: Material: **STEEL** Open Hole or Material:

Depth From:

Depth To: 78 Casing Diameter: Casing Diameter UOM: inch Casing Depth UOM:

Results of Well Yield Testing

Pump Test ID: 991504665

Pump Set At:

25 Static Level:

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

Final Level After Pumping: 25 Recommended Pump Depth: **Pumping Rate:** 2

Flowing Rate:

Recommended Pump Rate:

Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: 0 **Pumping Duration HR:**

Pumping Duration MIN:

Water Details

Flowing:

Water ID: 933457966

Layer: 1 Kind Code: 1

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

74 1 of 1 SW/666.0 81.7 / 1.83 lot 9 con 2 **WWIS** ON

OTTAWA

Order No: 21011800277

Well ID: 1504658 Data Entry Status:

30

No

Construction Date: Data Src:

9/8/1959 Primary Water Use: Domestic Date Received: Sec. Water Use: Selected Flag: Yes

Final Well Status: Water Supply Abandonment Rec:

Water Type: Contractor: 3601 Casing Material: Form Version: Audit No: Owner:

Tag: Street Name: Construction Method: County:

Municipality: **NEPEAN TOWNSHIP** Elevation (m): Elevation Reliability: Site Info:

Depth to Bedrock: Lot: 009 Well Depth: Concession: 02 Overburden/Bedrock: RF

Concession Name: Pump Rate: Easting NAD83: Static Water Level: Northing NAD83:

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

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504658.pdf PDF URL (Map):

Bore Hole Information

Clear/Cloudy:

10026701 87.86428 Bore Hole ID: Elevation:

DP2BR: 59 Elevrc:

Spatial Status: Zone: 18 Code OB: East83: 444450.7 Code OB Desc: Bedrock North83: 5011962

Open Hole: Org CS: Cluster Kind: UTMRC:

8/19/1959 UTMRC Desc: margin of error: 100 m - 300 m Date Completed:

Remarks: Location Method: p5 Elevrc Desc:

Location Source Date:

Improvement Location Source:

Improvement Location Method:

Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

931000081 Formation ID:

2 Layer: Color:

General Color:

Mat1:

11 **GRAVEL** Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

52 Formation Top Depth: Formation End Depth: 59 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931000080

Layer:

Color:

General Color: Mat1:

05 Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0 52 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931000082

Layer:

Color:

General Color:

Mat1:

LIMESTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

59 Formation Top Depth: Formation End Depth: 61 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961504658

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10575271

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930046137

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:61Casing Diameter:5Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930046136

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:
Depth To: 59
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991504658

Pump Set At:

Static Level: 21
Final Level After Pumping: 21
Recommended Pump Depth: 21
Pumping Rate: 4

Flowing Rate:

Recommended Pump Rate: 4
Levels UOM: ft

Levels UOM:
Rate UOM:
GPM
Water State After Test Code:
Water State After Test:
CLEAR
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

ft
GPM
CLEAR
1
CLEAR
1
No

Water Details

Water ID: 933457957

Layer: 1
Kind Code: 1

Kind: FRESH
Water Found Depth: 61
Water Found Depth UOM: ft

75 1 of 1 E/671.2 90.7 / 10.80 4650 Spratt Rd

20130819016 Order No:

Status:

Report Type: **Custom Report** 27-AUG-13 Report Date: Date Received: 19-AUG-13 Previous Site Name:

Lot/Building Size: Approx. 4 acres

Additional Info Ordered: Fire Insur. Maps and/or Site Plans Nearest Intersection:

Ottawa ON K4M1B2

Municipality: Ottawa, Ontario **EHS**

Client Prov/State: ON Search Radius (km): .25 -75.69451 X: Y: 45.263212

1 of 1 WSW/671.3 lot 10 con 2 **76** 90.2 / 10.34 **WWIS** ON

Well ID: 1512146

Construction Date: Primary Water Use: Domestic

Sec. Water Use:

Water Supply Final Well Status:

Water Type: Casing Material: Audit No:

Tag:

Construction Method:

Elevation Reliability: Depth to Bedrock:

Overburden/Bedrock: Pump Rate: Static Water Level:

Flowing (Y/N): Flow Rate:

Elevation (m): Well Depth:

Clear/Cloudy:

Data Entry Status:

Data Src:

11/10/1972 Date Received:

Selected Flag: Yes

Abandonment Rec:

Contractor: 1558 Form Version:

Owner: Street Name:

County: **OTTAWA**

Municipality: **NEPEAN TOWNSHIP**

90.053672

444215.7

5012267

margin of error: 300 m - 1 km

Order No: 21011800277

18

p6

Site Info:

010 Lot: Concession: 02 Concession Name: RF

Easting NAD83: Northing NAD83:

Zone:

Elevation:

Elevrc:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

Zone:

UTM Reliability:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1512146.pdf PDF URL (Map):

Bore Hole Information

Bore Hole ID: 10034138 74

DP2BR:

Spatial Status: Code OB: Code OB Desc: **Bedrock**

Open Hole: Cluster Kind:

10/17/1972 Date Completed:

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931019762

Layer: Color: 2

 General Color:
 GREY

 Mat1:
 14

 Most Common Material:
 HARDPAN

 Mat2:
 13

 Mat2 Desc:
 BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 55
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931019766

 Layer:
 5

 Color:
 1

 General Color:
 WHITE

 Mat1:
 18

Most Common Material: SANDSTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 197
Formation End Depth: 260
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931019763 Formation ID: Layer: Color: 2 General Color: **GREY** Mat1: 28 SAND Most Common Material: Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 13 **BOULDERS** Mat3 Desc:

Formation Top Depth: 55
Formation End Depth: 74
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931019764

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 74
Formation End Depth: 126
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931019765

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 18

Most Common Material: SANDSTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 126
Formation End Depth: 197
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961512146

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10582708

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930060568

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To: 76
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991512146

Pump Set At: Static Level:

Final Level After Pumping: 75
Recommended Pump Depth: 75
Pumping Rate: 8

Flowing Rate:

Recommended Pump Rate: 5
Levels UOM: ft

Rate UOM:

Rate UOM:

Water State After Test Code:

Water State After Test:

Pumping Test Method:

Pumping Duration HR:

1

Pumping Duration MIN: 0 No

Draw Down & Recovery

Pump Test Detail ID:934097801Test Type:Draw Down

 Test Duration:
 15

 Test Level:
 75

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:934894856Test Type:Draw Down

 Test Duration:
 60

 Test Level:
 75

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934646698

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 75

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 934376365
Test Type: Draw Down

 Test Duration:
 30

 Test Level:
 75

 Test Level UOM:
 ft

Water Details

Water ID: 933467507

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 80

 Water Found Depth UOM:
 ft

Water Details

Water ID: 933467509

 Layer:
 3

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 258

 Water Found Depth UOM:
 ft

Water Details

Water ID: 933467508

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 172

 Water Found Depth UOM:
 ft

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

1 of 1 W/673.5 90.9 / 11.04 **77 BORE** ON

45.26236

-75.711356

Order No: 21011800277

Borehole ID: 612020 Inclin FLG: Νo OGF ID: 215513330 Initial Entry SP Status:

Status:

Surv Elev: No Type: Borehole Piezometer: No Use: Primary Name:

Completion Date: JUL-1967 Municipality: Static Water Level: Lot:

Primary Water Use: Township: Sec. Water Use: Latitude DD: Total Depth m: 41.1 Longitude DD:

Depth Ref: **Ground Surface** UTM Zone: 18 Depth Elev: Easting: 444191 Drill Method: Northing: 5012342

Orig Ground Elev m: 89.9 Location Accuracy: Elev Reliabil Note: Accuracy:

Not Applicable DEM Ground Elev m: 90.8

Concession: Location D: Survey D: Comments:

Borehole Geology Stratum

218389826 Geology Stratum ID: Mat Consistency: Material Moisture: Top Depth: 0 **Bottom Depth:** 7.3 Material Texture: Material Color: Non Geo Mat Type: Material 1: Clay Geologic Formation: Material 2: **Boulders** Geologic Group: Material 3: Geologic Period:

Material 4: Gsc Material Description:

Stratum Description: CLAY, BOULDERS.

Geology Stratum ID: 218389829 Mat Consistency: Top Depth: 22.9 Material Moisture: Bottom Depth: 41.1 Material Texture: Material Color: Non Geo Mat Type: Geologic Formation: Material 1: Limestone Material 2: Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

LIMESTONE. 00133ROCK, SANDSTONE. 00080CK. SEISMIC VELOCITY = 14500. BEDROCK. SEISMI **Note: Stratum Description:

Many records provided by the department have a truncated [Stratum Description] field.

Depositional Gen:

218389827 Geology Stratum ID: Mat Consistency: Top Depth: 7.3 Material Moisture: Bottom Depth: 15.2 Material Texture: Material Color: Non Geo Mat Type: Sand Material 1: Geologic Formation: Material 2: Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: SAND.

Geology Stratum ID: 218389828 Mat Consistency: Hard

Top Depth: 15.2 Material Moisture: 22.9 **Bottom Depth:** Material Texture: Material Color: Non Geo Mat Type:

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

Material 1: Geologic Formation: Material 2: Geologic Group: Geologic Period: Material 3: Material 4: Depositional Gen:

Gsc Material Description:

HARDPAN. Stratum Description:

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 NAD27 Confidence: Horizontal:

Observatio: Verticalda: Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS)

Source Details: File: OTTAWA1.txt RecordID: 04528 NTS_Sheet: Confiden 1:

Source List

Horizontal Datum: Source Identifier: 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

78 1 of 1 W/673.6 90.9 / 11.04 lot 10 con 2 **WWIS** ON

Well ID: 1505936 Data Entry Status:

Construction Date: Data Src:

9/19/1967 Primary Water Use: Domestic Date Received: Sec. Water Use: Selected Flag: 0 Yes Final Well Status: Water Supply Abandonment Rec:

Water Type: Contractor: 1503 Casing Material: Form Version: 1

Audit No: Owner: Street Name: Tag:

Construction Method: County: **OTTAWA**

NEPEAN TOWNSHIP Elevation (m): Municipality: Elevation Reliability: Site Info:

Depth to Bedrock: Lot: 010 Well Depth: Concession: 02 RF

Overburden/Bedrock: Concession Name: Easting NAD83: Pump Rate: Static Water Level: Northing NAD83: Flowing (Y/N): Zone:

Flow Rate: Clear/Cloudy:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1505936.pdf PDF URL (Map):

UTM Reliability:

Order No: 21011800277

Bore Hole Information

Bore Hole ID: 10027979 Elevation: 90.847908

DP2BR: 75 Elevrc: Spatial Status: Zone:

18 Code OB: 444190.7 East83: Code OB Desc: **Bedrock** North83: 5012342

Open Hole: Org CS: 5

UTMRC Desc:

Location Method:

margin of error: 100 m - 300 m

Order No: 21011800277

Date Completed: 7/19/1967

Remarks: Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931003356

Layer:

Color:

General Color:

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 13

Mat2 Desc: BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 24
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931003359

Layer: 4

Color:

General Color:

Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 75
Formation End Depth: 135
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931003358

Layer:

Color:

General Color:

Mat1: 14

Most Common Material: HARDPAN

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 50
Formation End Depth: 75
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931003357

Layer: 2

Color:

General Color:

Mat1: 09

Most Common Material: MEDIUM SAND

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 24
Formation End Depth: 50
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961505936

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10576549

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930048713

Layer: 2

Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:135Casing Diameter:5Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930048712

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To:80Casing Diameter:5Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991505936

Pump Set At:

Static Level:34Final Level After Pumping:65Recommended Pump Depth:95Pumping Rate:10

Flowing Rate:

Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0

No

Water Details

Flowing:

 Water ID:
 933459969

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 133

 Water Found Depth UOM:
 ft

79 1 of 3 WSW/675.7 89.3 / 9.39 lot 10 con 2 WWIS

Well ID: 1515365 Data Entry Status:

Construction Date: Data Src: Primary Water Use: Date Received: 6/9/1976 Domestic Sec. Water Use: Selected Flag: Yes Final Well Status: Water Supply Abandonment Rec: Water Type: Contractor: 1558 Casing Material: Form Version: 1

Audit No: Owner:
Tag: Street Name:

 Construction Method:
 County:
 OTTAWA

 Elevation (m):
 Municipality:
 NEPEAN TOWNSHIP

 Elevation Reliability:
 Site Info:

 Depth to Bedrock:
 Lot:
 010

 Well Depth:
 Concession:
 02

 Overburden/Redrock:
 Concession Name:
 PE

Overburden/Bedrock: Concession Name: RF
Pump Rate: Easting NAD83:
Static Water Level: Northing NAD83:

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

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1515365.pdf

Bore Hole Information

Bore Hole ID: 10037316 **Elevation:** 88.983276

 DP2BR:
 71
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 r
 East83:
 444229.7

 Code OB Desc:
 Bedrock
 North83:
 5012221

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 5/7/1976 UTMRC Desc: margin of error : 30 m - 100 m

Order No: 21011800277

Remarks: Location Method: p

Elevrc Desc:
Location Source Date:
Improvement Location Source:

Improvement Location Method:
Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931028971

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 2
Formation End Depth: 12
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931028975

 Layer:
 6

 Color:
 2

 General Color:
 GREY

 Mat1:
 18

Most Common Material: SANDSTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 185
Formation End Depth: 195
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931028970

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 28

 Most Common Material:
 SAND

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931028974

 Layer:
 5

 Color:
 2

General Color: GREY
Mat1: 15
Most Common Material: LIMES

Most Common Material: LIMESTONE

Mat2:

Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 71
Formation End Depth: 185
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931028976

 Layer:
 7

 Color:
 1

 General Color:
 WHITE

 Mat1:
 18

Most Common Material: SANDSTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 195
Formation End Depth: 273
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931028972

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 14

 LANDER
 14

Most Common Material: HARDPAN

Mat2: 13

Mat2 Desc:BOULDERSMat3:79Mat3 Desc:PACKEDFormation Top Depth:12Formation End Depth:60Formation End Depth UOM:ft

Overburden and Bedrock

Materials Interval

Formation ID: 931028973

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 28

 Most Common Material:
 SAND

 Mat2:
 13

Mat2 Desc:BOULDERSMat3:79Mat3 Desc:PACKEDFormation Top Depth:60Formation End Depth:71Formation End Depth UOM:ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961515365

Method Construction Code:

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10585886

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930065872

Layer:

Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To:73Casing Diameter:6Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930065873

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:273Casing Diameter:6Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991515365

Pump Set At:

Static Level:20Final Level After Pumping:80Recommended Pump Depth:100Pumping Rate:10

Flowing Rate:

Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1

Pumping Test Method:1Pumping Duration HR:1Pumping Duration MIN:0Flowing:No

Draw Down & Recovery

Pump Test Detail ID:934646789Test Type:Draw Down

 Test Duration:
 45

 Test Level:
 80

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 934100155 Test Type: Draw Down

Test Duration: 15 80 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934895497 Test Type: Draw Down

Test Duration: 60 Test Level: 80 Test Level UOM: ft

Draw Down & Recovery

934376495 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 30 80 Test Level: Test Level UOM: ft

Water Details

Water ID: 933471432

Layer: Kind Code: 1 Kind: **FRESH** Water Found Depth: 180 Water Found Depth UOM: ft

Water Details

79

933471433 Water ID:

Layer: 2 Kind Code: Kind: **FRESH** 220 Water Found Depth:

Water Found Depth UOM: ft

ON

89.3 / 9.39

Well ID: 1517095

Construction Date: Primary Water Use: Domestic

2 of 3

Sec. Water Use: 0

Final Well Status: Water Supply

Water Type:

Casing Material: Audit No: Tag:

Construction Method:

Elevation Reliability: Depth to Bedrock: Well Depth:

Elevation (m):

Overburden/Bedrock: Pump Rate:

Data Entry Status:

Data Src:

9/24/1979 Date Received: Selected Flag: Yes

Abandonment Rec: Contractor:

lot 10 con 2

3644 Form Version: Owner:

Street Name:

County: **OTTAWA**

Municipality: **NEPEAN TOWNSHIP** **WWIS**

Order No: 21011800277

Site Info:

Lot: 010 Concession: 02 Concession Name: RF

Easting NAD83:

WSW/675.7

Static Water Level: Northing NAD83:

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

Clear/Cloudy:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517095.pdf PDF URL (Map):

Bore Hole Information

Bore Hole ID: 10038975 Elevation: 88.983276

DP2BR: 76 Elevrc: Spatial Status: Zone: 18

East83: 444229.7 Code OB: Code OB Desc: Bedrock North83: 5012221

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 7/7/1979 UTMRC Desc: margin of error: 30 m - 100 m Remarks:

Location Method: Elevrc Desc:

Overburden and Bedrock

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

Materials Interval

Formation ID: 931034129

Layer: 2 Color: **GREY** General Color: Mat1: 28 Most Common Material: SAND Mat2: 12

STONES Mat2 Desc: Mat3:

Mat3 Desc:

60 Formation Top Depth: Formation End Depth: 76 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931034128 Formation ID:

Layer: Color: 2 General Color: **GREY** Mat1: 05 Most Common Material: CLAY 14 Mat2: Mat2 Desc: **HARDPAN** Mat3: 12 **STONES** Mat3 Desc: Formation Top Depth: 0 60 Formation End Depth: Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931034131

 Layer:
 4

 Color:
 1

 General Color:
 WHITE

 Mat1:
 18

Most Common Material: SANDSTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 200
Formation End Depth: 223
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931034130

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 76
Formation End Depth: 200
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961517095

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10587545

Casing No: 1
Comment:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930068347

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 78
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991517095

Pump Set At:

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	
Static Level:		30			
Final Level After Pumping:		80			
Recommended Pump Depth:		80			
Pumping Rat					
Flowing Rate:		_			
Recommended Pump Rate:		5 ft			
Levels UOM: 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			
Drow Down	P Pagayary				
Draw Down &	a necovery				
Pump Test D	etail ID:	934644134			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		80			
Test Level UOM:		ft			
<u>Draw Down 8</u>	& Recovery				
		934382631			
Pump Test Detail ID:		Draw Down			
Test Type: Test Duration:		30			
Test Level:		80			
Test Level U	OM·	ft			
. 551 25161 0	····	••			
Draw Down 8	& Recovery				
Pump Test D	etail ID:	934102630			
Test Type:		Draw Down			

Test Type: Test Duration: Draw Down 15 Test Level: 80 Test Level UOM: ft

Draw Down & Recovery

934901615 Pump Test Detail ID: Test Type: Test Duration: Draw Down 60 Test Level: 80 Test Level UOM: ft

Water Details

Water ID: 933473508 2 Layer: Kind Code: **FRESH** Kind: Water Found Depth: 220 Water Found Depth UOM: ft

Water Details

Water ID: 933473507 Layer: Kind Code:

Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m)

Kind: FRESH
Water Found Depth: 80
Water Found Depth UOM: ft

79 3 of 3 WSW/675.7 89.3 / 9.39 lot 10 con 2

OTTAWA

Order No: 21011800277

Well ID: 1519100 Data Entry Status:

Construction Date: Data Src:

Primary Water Use:DomesticDate Received:8/23/1984Sec. Water Use:0Selected Flag:Yes

(m)

Final Well Status: Water Supply

Abandonment Rec:
Contractor: 3644

Water Type: Contractor: 3644
Casing Material: Form Version: 1
Audit No: Owner:

Tag: Street Name: Construction Method: County:

 Elevation (m):
 Municipality:
 NEPEAN TOWNSHIP

 Elevation Reliability:
 Site Info:

 Depth to Bedrock:
 Lot:
 010

 Well Depth:
 Concession:
 02

 Overburden/Redrock:
 Concession Name:
 PE

Overburden/Bedrock: Concession Name: RF
Pump Rate: Easting NAD83:

Static Water Level: Northing NAD83: Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1519100.pdf

Bore Hole Information

Bore Hole ID: 10040970 **Elevation:** 88.983276

 DP2BR:
 68
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 r
 East83:
 444229.7

 Code OB Desc:
 Bedrock
 North83:
 5012221

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 6/13/1984 UTMRC Desc: margin of error : 30 m - 100 m

Remarks: Location Method: p4

Elevrc Desc:
Location Source Date:

Improvement Location Source:
Improvement Location Method:

Source Revision Comment: Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931040591

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 14

Most Common Material: HARDPAN 12 12

Mat2 Desc: STONES Mat3:

Mat3 Desc:

Formation Top Depth: 16
Formation End Depth: 68

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931040590

 Layer:
 1

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 12

 Mat2 Desc:
 STONES

Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 16
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931040593

 Layer:
 4

 Color:
 1

 General Color:
 WHITE

 Mat1:
 18

Most Common Material: SANDSTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 165
Formation End Depth: 225
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931040592

 Layer:
 3

 Color:
 2

General Color: GREY Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 68
Formation End Depth: 165
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961519100

Method Construction Code:

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10589540

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930071531

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:225Casing Diameter:6Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930071530

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 70
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991519100

Pump Set At:

Static Level:20Final Level After Pumping:100Recommended Pump Depth:100Pumping Rate:5Flowing Rate:5

Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2

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

Draw Down & Recovery

 Pump Test Detail ID:
 934381661

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 100

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:934901167Test Type:Draw DownTest Duration:60

100 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934651638 Test Type: Draw Down Test Duration: 45 Test Level: 100 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934106920 Test Type: Draw Down Test Duration: 15

100 Test Level: Test Level UOM: ft

Water Details

933475988 Water ID: Layer: 2 Kind Code: **FRESH** Kind:

Water Found Depth: 220 Water Found Depth UOM: ft

Water Details

933475987 Water ID: Layer: 1 Kind Code: **FRESH** Kind:

Water Found Depth: 185 Water Found Depth UOM: ft

80 1 of 1 WSW/676.0 79.9 / 0.00 **BORE** ON

Inclin FLG:

SP Status:

Surv Elev:

Piezometer:

Municipality:

Lot:

Primary Name:

Borehole ID: 848078 OGF ID: 215589732 Status: Decommissioned Borehole Type:

Use: Geotechnical/Geological Investigation

Completion Date: 01-FEB-1978

Static Water Level: 1.0

Primary Water Use: Sec. Water Use:

Total Depth m: 5.2

Ground Surface Depth Ref: Depth Elev:

Drill Method:

Hollow stem auger

Orig Ground Elev m: 26 Elev Reliabil Note:

82.9 DEM Ground Elev m:

Concession: Location D: Survey D: Comments:

Township: **NEPEAN** Latitude DD: 45.260172 Longitude DD: -75.709923 UTM Zone: 18

Easting: 444301 Northing: 5012098

Location Accuracy:

Within 10 metres Accuracy:

No

No

No

ROAD

Order No: 21011800277

Initial Entry

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

Borehole Geology Stratum

6559868 Geology Stratum ID: Mat Consistency: Top Depth: 1.8 Material Moisture: **Bottom Depth:** 5.2 Material Texture: Material Color: Non Geo Mat Type: Material 1: Sand Geologic Formation:

Material 2: Gravel Geologic Group: Material 3: Silt Geologic Period: Clay Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: GRAVELLY SAND TO SANDY GRAVEL, SOME SILT, TRACE OF CLAY **Note: Many records provided by the

department have a truncated [Stratum Description] field.

6559867 Geology Stratum ID: Mat Consistency: Material Moisture: Top Depth: 0 **Bottom Depth:** 1.8 Material Texture: Material Color: Non Geo Mat Type: Material 1: Fill Geologic Formation: Material 2: cobble Geologic Group: Material 3: Geologic Period:

Material 4: Gsc Material Description:

Stratum Description: FILL, OCCASIONAL COBBLES **Note: Many records provided by the department have a truncated [Stratum

Description] field.

81 1 of 1 WSW/676.3 78.4 / -1.53 **BORE** ON

Depositional Gen:

Primary Name:

Location Accuracy:

Depositional Gen:

Within 10 metres

Order No: 21011800277

Accuracy:

Municipality:

Borehole ID: 848079 Inclin FLG: Nο OGF ID: 215589733 SP Status: Initial Entry Status: Surv Elev: Decommissioned No Piezometer: No

Type: Borehole

Use: Geotechnical/Geological Investigation

Completion Date: JAN-1978 Static Water Level: 1.2

LOT 10 Lot: Primary Water Use: Township: **NEPEAN** Sec. Water Use: Latitude DD: 45.259788 Total Depth m: 4.2 Longitude DD: -75.709485 **Ground Surface** UTM Zone: Depth Ref: 18

Depth Elev: Easting: 444335 Drill Method: Hollow stem auger Northing: 5012055

Orig Ground Elev m: 25.3

Elev Reliabil Note:

DEM Ground Elev m: 82.3

Concession: CON 1

Location D: Survey D: Comments:

Borehole Geology Stratum

Geology Stratum ID: Mat Consistency: 6559870 Top Depth: Material Moisture: 1.7 **Bottom Depth:** 4.2 Material Texture: Material Color: Non Geo Mat Type: Material 1: Sand Geologic Formation: Material 2: Gravel Geologic Group: Geologic Period:

Material 3: Silt Material 4: Clay Gsc Material Description:

GRAVELLY SAND TO SANDY GRAVEL, SOME SILT, TRACE CLAY **Note: Many records provided by the Stratum Description:

department have a truncated [Stratum Description] field.

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

Geology Stratum ID: 6559869 Mat Consistency: Top Depth: Material Moisture: 0 1.7 **Bottom Depth:** Material Texture: Material Color: Non Geo Mat Type: Material 1: Fill Geologic Formation:

Material 2: cobble Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: FILL COBBLES **Note: Many records provided by the department have a truncated [Stratum Description] field.

E/678.1 90.9 / 11.00 **82** 1 of 1 **BORE** ON

612019 Borehole ID: Inclin FLG: No OGF ID: 215513329 SP Status: Initial Entry Status: Surv Elev: No Borehole Piezometer: No Type:

Primary Name: Use: Completion Date: MAR-1959 Municipality: Static Water Level: -78.0 I of

Primary Water Use: Township:

Latitude DD: Sec. Water Use: 45.262282 Total Depth m: 91.4 Longitude DD: -75.694657 UTM Zone: **Ground Surface** Depth Ref: 18

Depth Elev: Easting: 445501 Drill Method: Northing: 5012322 Orig Ground Elev m: 0 Location Accuracy:

Elev Reliabil Note: Accuracy:

Not Applicable DEM Ground Elev m: 90.5

Concession: Location D: Survey D: Comments:

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

Urban Geology Automated Information System (UGAIS) Source Name:

Source Details: File: OTTAWA1.txt RecordID: 04527 NTS_Sheet: Confiden 1:

Source List

NAD27 Source Identifier: Horizontal Datum:

Source Type: Data Survey Vertical Datum: Mean Average Sea Level Source Date: 1956-1972 Universal Transverse Mercator Projection Name:

Scale or Resolution: Varies

Source Name: Urban Geology Automated Information System (UGAIS)

Source Originators: Geological Survey of Canada

83 1 of 1 E/678.1 90.9 / 11.00 lot 22 **WWIS** ON

Order No: 21011800277

1501673 Well ID: Data Entry Status:

Construction Date: Data Src:

Date Received: 3/16/1959 Primary Water Use: Domestic Sec. Water Use: Selected Flag: Yes

Final Well Status: Water Supply Abandonment Rec:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501673.pdf

OTTAWA

Water Type:Contractor:3601Casing Material:Form Version:1

Audit No:Owner:Tag:Street Name:Construction Method:County:

 Elevation (m):
 Municipality:
 GLOUCESTER TOWNSHIP

 Elevation Reliability:
 Site Info:

Depth to Bedrock: Lot: 022
Well Depth: Concession:

Overburden/Bedrock:Concession Name:BFPump Rate:Easting NAD83:Static Water Level:Northing NAD83:

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

Clear/Cloudy:

Bore Hole Information

PDF URL (Map):

Bore Hole ID: 10023716 **Elevation:** 90.520095

 DP2BR:
 11
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 r
 East83:
 445500.8

 Code OB:
 r
 East83:
 445500.8

 Code OB Desc:
 Bedrock
 North83:
 5012322

 Open Hole:
 Org CS:

Cluster Kind: UTMRC: 5

 Date Completed:
 3/3/1959
 UTMRC Desc:
 margin of error: 100 m - 300 m

Remarks: Location Method: Elevro Desc:

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

Overburden and Bedrock Materials Interval

Formation ID: 930992507

Layer: 2 Color:

General Color:

Mat1: 15

Most Common Material: LIMESTONE

Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth:

Formation Top Depth: 11
Formation End Depth: 52
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930992506

Layer: 1

Color: General Color:

Mat1: 23

Most Common Material: PREVIOUSLY DUG

Mat2:

Mat2:

Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 11
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961501673
Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10572286

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930040275

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 18
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930040276

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 52
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991501673

Pump Set At:

Static Level: 19 Final Level After Pumping: 19 Recommended Pump Depth: 19 Pumping Rate: 4 Flowing Rate: 2 Recommended Pump Rate: Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: 1 Water State After Test: **CLEAR** Pumping Test Method:

Order No: 21011800277

Pumping Duration HR:

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

Pumping Duration MIN: 0

Flowing: No

Water Details

Casing Material:

Water ID: 933454397

Layer: 1 Kind Code:

Kind: **FRESH** Water Found Depth: 52 Water Found Depth UOM: ft

1 of 1 NNE/686.3 686 RIVER ROAD lot 20 con 1 84 86.5 / 6.59 **WWIS GLOUCESTER ON**

Form Version:

Order No: 21011800277

Well ID: 7156870 Data Entry Status:

Construction Date: Data Src:

Primary Water Use: Date Received: 12/29/2010 Sec. Water Use: Selected Flag: Yes

Abandoned-Other Final Well Status: Abandonment Rec: Yes Contractor: Water Type: 1119

Z119955 Audit No: Owner:

686 RIVER ROAD Tag: Street Name:

Construction Method: County: **OTTAWA**

Municipality: Elevation (m): **GLOUCESTER TOWNSHIP** Elevation Reliability: Site Info:

020 Depth to Bedrock: Lot:

Well Depth: Concession: 01 Overburden/Bedrock: Concession Name: RF Pump Rate: Easting NAD83:

Static Water Level: Northing NAD83: Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/715\7156870.pdf PDF URL (Map):

Bore Hole Information

Location Source Date:

Bore Hole ID: 83.074501 1003444428 Elevation:

DP2BR: Elevrc: Spatial Status: Zone: 18

Code OB: East83: 444959 Code OB Desc: North83: 5013175 Open Hole: Org CS: UTM83 Cluster Kind: **UTMRC:**

8/12/2010 UTMRC Desc: margin of error: 10 - 30 m Date Completed:

Remarks: Location Method: wwr

Elevrc Desc:

Improvement Location Source: Improvement Location Method:

Annular Space/Abandonment

Source Revision Comment: Supplier Comment:

Sealing Record

Plug ID: 1003594857

Layer: 1 Plug From: 15

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

Plug To:

0 Plug Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003594861

Method Construction Code: Method Construction: Other Method Construction:

Pipe Information

Pipe ID: 1003594854

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1003594859

Layer: Material:

Open Hole or Material:

Depth From: Depth To: Casing Diameter:

Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1003594860

Layer:

Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM: ft Screen Diameter UOM: inch

Screen Diameter:

Water Details

Water ID: 1003594858

Layer: Kind Code: Kind:

Water Found Depth:

Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1003594856

Diameter: Depth From: Depth To:

Hole Depth UOM: ft Hole Diameter UOM: inch

85 1 of 2 N/691.5 78.5 / -1.41 55 LODGE ROAD lot 11 con 1 WWIS

Well ID: 7156872 Data Entry Status:

 Construction Date:
 Data Src:

 Primary Water Use:
 Date Received:
 12/29/2010

 Sec. Water Use:
 Selected Flag:
 Yes

 Final Well Status:
 Abandoned-Other
 Abandonment Rec:
 Yes

Final Well Status:Abandoned-OtherAbandonment Rec:YesWater Type:Contractor:1119Casing Material:Form Version:7Audit No:Z119957Owner:

Tag: Street Name: 55 LODGE ROAD

Construction Method: County: OTTAWA
Elevation (m): Municipality: NEPEAN TOWNSHIP
Elevation Reliability: Site Info: PART 12

 Depth to Bedrock:
 Lot:
 011

 Well Depth:
 Concession:
 01

 Overburden/Bedrock:
 Concession Name:
 RF

Pump Rate:Easting NAD83:Static Water Level:Northing NAD83:Flowing (Y/N):Zone:Flow Rate:UTM Reliability:Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/715\7156872.pdf

Bore Hole Information

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

Bore Hole ID: 1003444432 **Elevation:** 80.145606

DP2BR: Flevro: Spatial Status: Zone: 18 Code OB: East83: 444817 5013189 Code OB Desc: North83: Open Hole: Org CS: UTM83 Cluster Kind: UTMRC:

Date Completed: 8/4/2010 UTMRC Desc: margin of error: 10 - 30 m

Order No: 21011800277

Remarks: Location Method: wwr Elevro Desc:

Annular Space/Abandonment

Plug ID: 1003595041

 Layer:
 2

 Plug From:
 10

 Plug To:
 0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Sealing Record

Plug ID: 1003595040

 Layer:
 1

 Plug From:
 60

 Plug To:
 10

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: Method Construction Code:

Method Construction: Other Method Construction: 1003595045

Pipe Information

Pipe ID: 1003595037

Casing No: Comment: Alt Name:

Construction Record - Casing

1003595043 Casing ID:

Layer: Material:

Open Hole or Material:

Depth From: Depth To: Casing Diameter:

Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Screen

1003595044 Screen ID:

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM:

ft Screen Diameter UOM: inch

Screen Diameter:

Water Details

Water ID: 1003595042

Layer: Kind Code: Kind:

Water Found Depth:

Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1003595039

Diameter: Depth From: Depth To:

Hole Depth UOM: ft Hole Diameter UOM: inch

2 of 2

85 NEPEAN ON

Well ID: 7156873 Data Entry Status:

Construction Date: Data Src:

N/691.5

78.5 / -1.41

55 LODGE ROAD lot 11 con 1

WWIS

Primary Water Use: Sec. Water Use:

Final Well Status: Abandoned-Other

Water Type:

Casing Material:

Audit No: Z119958

Tag: Construction Method:

Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N):

Flow Rate:

Clear/Cloudy:
PDF URL (Map):

Date Received:12/29/2010Selected Flag:YesAbandonment Rec:YesContractor:1119Form Version:7

Owner: Street Name: 55 LODGE ROAD

County: OTTAWA
Municipality: NEPEAN TOWNSHIP

 Site Info:
 PART 12

 Lot:
 011

 Concession:
 01

 Concession Name:
 RF

Easting NAD83: Northing NAD83:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/715\7156873.pdf

Zone: UTM Reliability:

Elevation:

Elevrc:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

Zone:

80.145606

18

444817

5013189

margin of error: 10 - 30 m

Order No: 21011800277

UTM83

wwr

Bore Hole Information

Bore Hole ID: 1003444434

DP2BR:

Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 8/4/2010

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Annular Space/Abandonment

Sealing Record

Plug ID: 1003595054

 Layer:
 1

 Plug From:
 30

 Plug To:
 0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003595058

Method Construction Code: Method Construction: Other Method Construction:

Pipe Information

Pipe ID: 1003595051

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1003595056

Layer: Material:

Open Hole or Material:

Depth From: Depth To: Casing Diameter:

Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1003595057

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM:

ft Screen Diameter UOM: inch

Screen Diameter:

Water Details

Water ID: 1003595055

Layer: Kind Code: Kind:

Water Found Depth:

Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1003595053

Diameter: Depth From: Depth To:

Hole Depth UOM: ft Hole Diameter UOM: inch

86 1 of 1 WSW/693.5 79.7/-0.17 **BORE** ON

Borehole ID: 848076 Inclin FLG: OGF ID: 215589730 SP Status: Status: Decommissioned Surv Elev: Type: Piezometer:

Geotechnical/Geological Investigation Use:

5.3

Completion Date: 25-JAN-1978

Static Water Level: Primary Water Use: Sec. Water Use:

Total Depth m: Depth Ref: **Ground Surface**

Depth Elev:

Drill Method: Hollow stem auger

Orig Ground Elev m: 25.1

Elev Reliabil Note:

DEM Ground Elev m: 82.2 Municipality: ROAD Lot:

No

No

No

Initial Entry

Township: **NEPEAN** Latitude DD: 45.259759 -75.70974 Longitude DD: UTM Zone: 18 Easting: 444315 5012052 Northing:

Location Accuracy:

Primary Name:

Within 10 metres Accuracy:

Concession: Location D: Survey D: Comments:

Borehole Geology Stratum

Geology Stratum ID: 6559862 Mat Consistency: Compact

Top Depth:3.1Material Moisture:Bottom Depth:4.1Material Texture:Material Color:Non Geo Mat Type:Material 1:SandGeologic Formation:Material 2:GravelGeologic Forum:

Material 1:SandGeologic FormationMaterial 2:GravelGeologic Group:Material 3:SiltGeologic Period:Material 4:ClayDepositional Gen:Gsc Material Description:

Stratum Description: GRAVELLY SAND TO SANDY GRAVEL, SOME SILT, TRACE OF CLAY, COMPACT TO VERY DENSE **Note:

Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:6559863Mat Consistency:Top Depth:4.1Material Moisture:Bottom Depth:5.3Material Texture:Material Color:Non Geo Mat Type:Material 1:LimestoneGeologic Formation:

Material 1:LimestoneGeologic FormationMaterial 2:BedrockGeologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: SOUND LIMESTONE BEDROCK **Note: Many records provided by the department have a truncated [Stratum

Description] field.

Geology Stratum ID: 6559860 Mat Consistency: Top Depth: Material Moisture: 1 Bottom Depth: 1.2 Material Texture: Material Color: Non Geo Mat Type: Material 1: Sand Geologic Formation: Material 2: Silt Geologic Group: Material 3: Clay Geologic Period: Material 4: organic material Depositional Gen:

Gsc Material Description:

Stratum Description: SAND WITH CLAYEY SILT, TRACE ORG.

6559857 Mat Consistency: Geology Stratum ID: Top Depth: 0 Material Moisture: **Bottom Depth:** .4 Material Texture: Material Color: Non Geo Mat Type: Material 1: Sand Geologic Formation: Gravel Material 2: Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: SAND WITH GRAVEL, SOME SILT **Note: Many records provided by the department have a truncated [Stratum

Description] field.

Geology Stratum ID: 6559858 Mat Consistency: Top Depth: .4 Material Moisture: .7 **Bottom Depth:** Material Texture: Material Color: Non Geo Mat Type: Material 1: Gravel Geologic Formation: Material 2: Sand Geologic Group:

Material 2:SandGeologic Group:Material 3:cobbleGeologic Period:Material 4:Depositional Gen:Gsc Material Description:

Stratum Description: GRAVEL, SAND, SOME COBBLES **Note: Many records provided by the department have a truncated [Stratum

Description] field.

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

Geology Stratum ID: 6559859 Mat Consistency: Top Depth: .7 Material Moisture: Bottom Depth: 1 Material Texture:

Material Color: Non Geo Mat Type: Geologic Formation: Sand Material 1: Material 2: Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

SAND UNIFORM **Note: Many records provided by the department have a truncated [Stratum Description] field. Stratum Description:

6559861 Geology Stratum ID: Mat Consistency: Very Loose Top Depth: 1.2 Material Moisture:

Bottom Depth: 3.1 Material Texture: Material Color: Non Geo Mat Type: Sand Material 1: Geologic Formation: Material 2: Gravel Geologic Group:

Geologic Period: Material 3: Silt Material 4: Depositional Gen: Clay Gsc Material Description:

Stratum Description: GRAVELLY SAND TO SANDY GRAVEL, SOME SILT, TRACE OF CLAY, VERY LOOSE TO LOSE **Note: Many

records provided by the department have a truncated [Stratum Description] field.

87 1 of 1 NNE/693.6 91.6 / 11.69 680 RIVER RD **WWIS** Ottawa ON

Well ID: 7280109 Data Entry Status:

Construction Date: Data Src:

2/2/2017 Primary Water Use: Monitoring and Test Hole Date Received: Sec. Water Use: 0 Selected Flag: Yes

0 Final Well Status: Abandonment Rec: Water Type: Contractor: 7241

Casing Material: Form Version: Audit No: 7214972 Owner:

Taa: A191170 Street Name: 680 RIVER RD Construction Method: County: **OTTAWA**

GLOUCESTER TOWNSHIP Municipality: Elevation (m): Elevation Reliability: Site Info:

Depth to Bedrock: Lot: Well Depth:

Concession: Overburden/Bedrock: Concession Name: Pump Rate: Easting NAD83: Static Water Level: Northing NAD83:

Flowing (Y/N): Zone:

Flow Rate: UTM Reliability:

Clear/Cloudy:

PDF URL (Map):

Bore Hole Information

Bore Hole ID: 1006347571 Elevation: 90.133445

DP2BR: Elevrc:

Spatial Status: Zone: 18 445033 Code OB: East83: Code OB Desc: North83: 5013166 UTM83 Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 12/12/2016 **UTMRC Desc:** margin of error: 30 m - 100 m

Order No: 21011800277

Location Method: Remarks: wwr

Elevrc Desc:

Location Source Date:

Improvement Location Source:

Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 1006541810

Layer: 3 Color: General Color: **BROWN** 05 Mat1: Most Common Material: CLAY Mat2: 28 SAND Mat2 Desc: Mat3: 85 Mat3 Desc: SOFT Formation Top Depth: 2.13 Formation End Depth: 6.4 Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1006541808

Layer:

Color: 6

General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL

Mat2: Mat2 Desc:

Mat3:85Mat3 Desc:SOFTFormation Top Depth:0Formation End Depth:.31Formation End Depth UOM:m

Overburden and Bedrock

Materials Interval

Formation ID: 1006541809

Layer: 2 Color: 6

General Color: BROWN **Mat1:** 05

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 11

 Mat2 Desc:
 GRAVEL

 Mat3:
 85

 Mat3 Desc:
 SOFT

Formation Top Depth: .31
Formation End Depth: 2.13
Formation End Depth UOM: m

Annular Space/Abandonment

Sealing Record

Plug ID: 1006541819

 Layer:
 2

 Plug From:
 0.31

 Plug To:
 3.1

Plug Depth UOM:

Annular Space/Abandonment

Sealing Record

Plug ID: 1006541818

m

 Layer:
 1

 Plug From:
 0

 Plug To:
 0.31

 Plug Depth UOM:
 m

Annular Space/Abandonment

Sealing Record

Plug ID: 1006541820

 Layer:
 3

 Plug From:
 3.1

 Plug To:
 6.4

 Plug Depth UOM:
 m

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1006541817

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 1006541807

Casing No: 0

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1006541813

Layer: 1 Material: 5

Open Hole or Material: PLASTIC

Depth From:

Depth To: 3.35
Casing Diameter: 5.26
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1006541814

 Layer:
 1

 Slot:
 10

 Screen Top Depth:
 3.35

 Screen End Depth:
 6.4

 Screen Material:
 5

 Screen Depth UOM:
 m

 Screen Diameter UOM:
 cm

 Screen Diameter:
 6.03

Water Details

Water ID: 1006541812

Layer: Kind Code: Kind:

Water Found Depth:

Water Found Depth UOM: m

Hole Diameter

1006541811 Hole ID: 11.43 Diameter: Depth From: 0 Depth To: 7.62 Hole Depth UOM: m Hole Diameter UOM: cm

88 1 of 1 NNE/695.5 91.6 / 11.69 680 RIVER ROAD **WWIS** Ottawa ON

Well ID: 7271906

Construction Date:

Monitoring and Test Hole Primary Water Use:

Sec. Water Use:

Monitoring and Test Hole Final Well Status:

Water Type: Casing Material:

Audit No: Z233076 A190865 Tag:

Construction Method: Elevation (m):

Elevation Reliability: Depth to Bedrock: Well Depth:

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

Data Entry Status:

Data Src:

9/22/2016 Date Received: Selected Flag: Yes

Abandonment Rec:

7241 Contractor: Form Version:

Owner: Street Name: 680 RIVER ROAD

County: **OTTAWA**

Municipality: **GLOUCESTER TOWNSHIP**

Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone:

UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/727\7271906.pdf

Bore Hole Information

Bore Hole ID: 1006251755 Elevation: 90.186691

DP2BR:

Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 8/22/2016

Remarks: Elevrc Desc:

Location Source Date:

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

Elevrc:

18 Zone: East83: 445040 North83: 5013166 Org CS: UTM83 **UTMRC**:

UTMRC Desc: margin of error: 30 m - 100 m

Order No: 21011800277

Location Method:

Overburden and Bedrock

Materials Interval

1006338303 Formation ID:

Layer: 3 Color: **GREY** General Color: Mat1: 05 Most Common Material: CLAY Mat2: 06 Mat2 Desc: SILT Mat3: 12 **STONES** Mat3 Desc: Formation Top Depth: 3.96 12.5 Formation End Depth: Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1006338304

Layer: Color: 6 **BROWN** General Color: 28 Mat1: Most Common Material: SAND 06 Mat2: Mat2 Desc: SILT Mat3: GRAVEL Mat3 Desc: Formation Top Depth: 12.5 Formation End Depth: 14.63 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

1006338301 Formation ID:

m

Layer:

Color: 6 General Color: **BROWN**

Mat1: 02 Most Common Material: **TOPSOIL**

Mat2: Mat2 Desc:

Mat3: 85 **SOFT** Mat3 Desc: Formation Top Depth: 0 Formation End Depth: .31 Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1006338302

Layer: 2 Color: 6

BROWN General Color: Mat1: 05 Most Common Material: CLAY Mat2: 06 SILT Mat2 Desc: Mat3: 28 Mat3 Desc: SAND

Formation Top Depth: .31 Formation End Depth: 3.96 Formation End Depth UOM: m

Annular Space/Abandonment

Sealing Record

1006338313 Plug ID:

2 Layer: Plug From: 0.31 11.28 Plug To: Plug Depth UOM: m

Annular Space/Abandonment

Sealing Record

1006338314 Plug ID:

Layer: 3 Plug From: 11.28 Plug To: 14.63 Plug Depth UOM: m

Annular Space/Abandonment

Sealing Record

1006338312 Plug ID:

Layer: 1 Plug From: 0 0.31 Plug To: Plug Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1006338311

Method Construction Code:

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 1006338300

Casing No:

Comment: Alt Name:

Construction Record - Casing

1006338307 Casing ID:

Layer: Material:

Open Hole or Material:

PLASTIC Depth From: Depth To: 11.58 Casing Diameter: 4.03 Casing Diameter UOM: cm Casing Depth UOM: m

Construction Record - Screen

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Screen ID: Layer: Slot: Screen Top I Screen End I Screen Mate Screen Dept Screen Diam	Depth: rial: h UOM: neter UOM:		1006338308 1 10 11.58 14.63 5 m cm 4.82				
Water Detail	<u>s</u>						
Water ID: Layer: Kind Code: Kind:			1006338306				
Water Found Water Found	•	n:	m				
Hole Diamete	<u>er</u>						
Hole ID: Diameter: Depth From: Depth To: Hole Depth U	ЈОМ:		1006338305 11.43 0 14.63 m cm				
<u>89</u>	1 of 1		NNE/700.4	91.3 / 11.43	680 RIVER RD Ottawa ON		wwis
Well ID: Construction Primary Wate Sec. Water U Final Well St Water Type: Casing Mate Audit No: Tag: Construction Elevation (m Elevation Re Depth to Bec Well Depth: Overburden/ Pump Rate: Static Water Flowing (Y/N Flow Rate: Clear/Cloudy PDF URL (Mi	er Use: Use: Use: Use: Use: Use: Use: Use:	0	g and Test Hole g and Test Hole		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	2/2/2017 Yes 7241 7 680 RIVER RD OTTAWA GLOUCESTER TOWNSHIP	
Bore Hole In		10052 15				00 57005	
Bore Hole ID DP2BR: Spatial Statu Code OB: Code OB De Open Hole:	ıs:	10063475	ii i		Elevation: Elevrc: Zone: East83: North83: Org CS:	89.57035 18 445010 5013179 UTM83	

Cluster Kind:

Date Completed: 12/14/2016

Remarks:

UTMRC: **UTMRC Desc:** Location Method:

margin of error: 30 m - 100 m

Order No: 21011800277

wwr

Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

Formation ID: 1006541872

Layer: Color: 2 General Color: **GREY** Mat1: 06 Most Common Material: SILT Mat2: 28 SAND Mat2 Desc: Mat3: 66 DENSE Mat3 Desc: Formation Top Depth: 11.89 Formation End Depth: 14.02 Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

1006541871 Formation ID:

Layer: 3 Color: 6 General Color: **BROWN** Mat1: 05 Most Common Material: CLAY 28 Mat2: Mat2 Desc: SAND Mat3: 85 Mat3 Desc: SOFT Formation Top Depth: 1.82 Formation End Depth: 11.89 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 1006541869

Layer: 6 Color: **BROWN** General Color: Mat1: 02 Most Common Material: **TOPSOIL**

Mat2: Mat2 Desc:

85 Mat3: SOFT Mat3 Desc: Formation Top Depth: Formation End Depth: .31 Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1006541870

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

Most Common Material: CLAY Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 85 Mat3 Desc: SOFT Formation Top Depth: .31 Formation End Depth: 1.82 Formation End Depth UOM: m

Annular Space/Abandonment

Sealing Record

Plug ID: 1006541882

 Layer:
 3

 Plug From:
 10.91

 Plug To:
 14.02

 Plug Depth UOM:
 m

Annular Space/Abandonment

Sealing Record

Plug ID: 1006541881

 Layer:
 2

 Plug From:
 0.31

 Plug To:
 10.97

 Plug Depth UOM:
 m

Annular Space/Abandonment

Sealing Record

Plug ID: 1006541880

 Layer:
 1

 Plug From:
 0

 Plug To:
 0.31

 Plug Depth UOM:
 m

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1006541879

Method Construction Code: Method Construction: Other Method Construction:

Pipe Information

Pipe ID: 1006541868

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1006541875

Layer: Material: 5 Open Hole or Material:

PLASTIC Depth From: Depth To: 10.97 Casing Diameter: 4.03 Casing Diameter UOM: cm Casing Depth UOM: m

Construction Record - Screen

1006541876 Screen ID:

Layer: Slot: 10 Screen Top Depth: 10.97 Screen End Depth: 14.02 Screen Material: 5 Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 4.82

Water Details

1006541874 Water ID:

Layer: Kind Code: Kind:

Water Found Depth: Water Found Depth UOM: m

Hole Diameter

Hole ID: 1006541873 Diameter: 11.43 Depth From: 0 Depth To: 14.02 Hole Depth UOM: m Hole Diameter UOM: cm

NNE/703.3 90 1 of 1 91.3 / 11.43

680 RIVER RD. BARRHAVEN ON Data Entry Status:

Well ID: 7313162 Construction Date: Primary Water Use: Test Hole Sec. Water Use: Monitoring Final Well Status: Abandoned-Other

Water Type: Casing Material:

Audit No: Z281928

Tag: **Construction Method:**

Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock:

Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

249

Data Src: Date Received: 6/19/2018 Selected Flag: Yes Yes Abandonment Rec: Contractor: 7241 Form Version:

Owner:

Street Name: 680 RIVER RD. County: **OTTAWA** Municipality:

GLOUCESTER TOWNSHIP Site Info: Lot:

WWIS

Order No: 21011800277

Concession Name: Easting NAD83: Northing NAD83: Zone:

Concession:

UTM Reliability:

erisinfo.com | Environmental Risk Information Services

Zone:

East83:

North83:

Org CS:

UTMRC:

18

wwr

445014

5013181 UTM83

Order No: 21011800277

PDF URL (Map):

Bore Hole Information

Bore Hole ID: 1007114779 Elevation: Elevrc:

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 3/19/2018 UTMRC Desc: margin of error: 30 m - 100 m Location Method:

Remarks: Elevrc Desc:

Location Source Date:

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

Annular Space/Abandonment

Sealing Record

Plug ID: 1007275755

Layer:

Plug From: Plug To:

Plug Depth UOM: m

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1007275754

Method Construction Code: Method Construction: Other Method Construction:

Pipe Information

Pipe ID: 1007275746

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1007275750

Layer: 1 Material: 5

PLASTIC Open Hole or Material:

Depth From:

Depth To:

Casing Diameter: 4.03 Casing Diameter UOM: cm Casing Depth UOM:

Construction Record - Screen

Screen ID: 1007275751

Layer:

Number of Direction/ Elev/Diff Site DΒ Map Key Records Distance (m) (m) 10 Slot: Screen Top Depth: Screen End Depth: Screen Material: 5 Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 4.82 Water Details 1007275749 Water ID: Layer: Kind Code: Kind. Water Found Depth: Water Found Depth UOM: m **Hole Diameter** Hole ID: 1007275748 Diameter: 5.7 Depth From: 0 Depth To: 1.86 Hole Depth UOM: m Hole Diameter UOM: cm NE/706.2 88.9 / 9.00 **MACEWEN PETROLEUM INC***** 91 1 of 4 **FST** 685 RIVER RD GLOUCESTER K1V 1C7 ON CA 685 RIVER RD GLOUCESTER K1V 1C7 ON CA ON Instance No: 55747570 Manufacturer: NULL Serial No: NULL Status: Active Cont Name: Ulc Standard: NULL Instance Type: FS Liquid Fuel Tank Quantity: FS LIQUID FUEL TANK Unit of Measure: Item: EΑ Item Description: FS Liquid Fuel Tank Fuel Type: Gasoline Tank Type: Double Wall UST Fuel Type2: NULL Fuel Type3: Install Date: 4/24/2008 **NULL** Install Year: 2002 Piping Steel: Years in Service: Piping Galvanized: 2.9 Model: **NULL** Tanks Single Wall St: Description: Piping Underground: 25000 Num Underground: Capacity: Tank Material: Steel Panam Related: NULL Corrosion Protect: **NULL NULL** Panam Venue: Overfill Protect: FS Liquid Fuel Tank Facility Type: Parent Facility Type: FS Gasoline Station - Self Serve Facility Location: 685 RIVER RD GLOUCESTER K1V 1C7 ON CA 685 RIVER RD GLOUCESTER K1V 1C7 ON CA Device Installed Location:

Order No: 21011800277

Liquid Fuel Tank Details

Fuel Storage Tank Details

Owner Account Name:

Overfill Protection: NULL

Owner Account Name: MACEWEN PETROLEUM INC***

MACEWEN PETROLEUM INC***

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

MACEWEN PETROLEUM INC*** 91 2 of 4 NE/706.2 88.9 / 9.00

685 RIVER RD GLOUCESTER K1V 1C7 ON CA 685 RIVER RD GLOUCESTER K1V 1C7 ON CA **FST**

FST

Order No: 21011800277

Instance No: 55747572 Manufacturer: NULL Active NULL Serial No: Status: **NULL** Cont Name: Ulc Standard: FS Liquid Fuel Tank Instance Type: Quantity: **FS LIQUID FUEL TANK** EΑ Item:

Unit of Measure: Item Description: FS Liquid Fuel Tank Fuel Type: Gasoline Double Wall UST NULL Fuel Type2: Tank Type: Install Date: 4/24/2008 Fuel Type3: NULL Install Year: 2002 Piping Steel:

Piping Galvanized: Years in Service: 29 Model: NULL Tanks Single Wall St: Description: Piping Underground: Num Underground: Capacity: 25000

NULL Tank Material: Steel Panam Related: Corrosion Protect: **NULL** Panam Venue: NULL

Overfill Protect: FS Liquid Fuel Tank Facility Type:

Parent Facility Type: FS Gasoline Station - Self Serve

685 RIVER RD GLOUCESTER K1V 1C7 ON CA Facility Location: Device Installed Location: 685 RIVER RD GLOUCESTER K1V 1C7 ON CA

Fuel Storage Tank Details

Owner Account Name: MACEWEN PETROLEUM INC***

Liquid Fuel Tank Details

Overfill Protection: **NULL**

Owner Account Name: MACEWEN PETROLEUM INC***

MACEWEN PETROLEUM INC*** 91 3 of 4 NE/706.2 88.9 / 9.00

685 RIVER RD GLOUCESTER K1V 1C7 ON CA 685 RIVER RD GLOUCESTER K1V 1C7 ON CA

ON

Instance No: 55747571 Manufacturer: NULL **NULL** Status: Active Serial No: Ulc Standard: **NULL**

Cont Name:

Instance Type: FS Liquid Fuel Tank Quantity: FS LIQUID FUEL TANK Unit of Measure: EΑ Item: Item Description: FS Liquid Fuel Tank Fuel Type: Gasoline Double Wall UST Tank Type: Fuel Type2: NULL Install Date: 4/24/2008 NULL Fuel Type3:

Install Year: 2002 Piping Steel: Piping Galvanized: Years in Service: 2.9 Model: **NULL** Tanks Single Wall St: Description: Piping Underground: 50000 Num Underground: Capacity:

Tank Material: Steel Panam Related: NULL **NULL** NULL Corrosion Protect: Panam Venue:

Overfill Protect:

Facility Type: FS Liquid Fuel Tank

Parent Facility Type: FS Gasoline Station - Self Serve

Facility Location: 685 RIVER RD GLOUCESTER K1V 1C7 ON CA Device Installed Location: 685 RIVER RD GLOUCESTER K1V 1C7 ON CA

Fuel Storage Tank Details

Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

Liquid Fuel Tank Details

Owner Account Name:

Overfill Protection: NULL

Owner Account Name: MACEWEN PETROLEUM INC***

91 4 of 4 NE/706.2 88.9 / 9.00 685 RIVER RD GLOUCESTER ON K1V 1C7

 Instance No:
 10353268
 Manufacturer:

 Status:
 Active
 Serial No:

 Cont Name:
 Ille Standard:

MACEWEN PETROLEUM INC***

Cont Name:

Instance Type:

Item: FS GASOLINE STATION - SELF SERVE Item Description:

Tank Type: Install Date: Install Year: Years in Service: Model:

Model:
Description:
Capacity:
Tank Material:
Corrosion Protect:
Overfill Protect:
Facility Type:
Parent Facility Type:
Facility Location:

Device Installed Location:

Ulc Standard:
Quantity:
SERVE Unit of Measure:
Fuel Type:
Fuel Type2:
Fuel Type3:

Piping Steel: 0
Piping Galvanized: 0
Tanks Single Wall St: 0
Piping Underground: 3
Num Underground: 3
Panam Related:

92 1 of 1 NNE/710.5 90.8 / 10.96 CITY OF OTTAWA

680 RIVER ROAD, OTTAWA, ON K1V 1G1

Parkland

SEAN STERLING

RSC

Order No: 21011800277

Ottawa ON

Cert Prop Use No:

Intended Prop Use:

Qual Person Name:

Entire Leg Prop. (Y/N): Accuracy Estimate:

Stratified (Y/N):

Audit (Y/N):

Telephone:

Fax:

Email:

Cert Date:

Panam Venue:

RSC ID: 224273

RA No:

RSC Type: Phase 1 and 2 RSC

Curr Property Use: Industrial

Ministry District: Ottawa District Office

Filing Date: 2018/02/22

Date Ack: Date Returned: Restoration Type

Restoration Type: Soil Type: Criteria:

CPU Issued Sect

1686:

Asmt Roll No: 061460002007300 **Prop ID No (PIN):** 04589-1525 (R)

Property Municipal Address: 680 RIVER ROAD, OTTAWA, ON K1V 1G1

Mailing Address: Latitude & Latitude: UTM Coordinates: Consultant: Legal Desc:

Measurement Method: Applicable Standards:

RSC PDF: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?

attachment Id = 92479&file Name = BROWNFIELDS-E.pdf

Document(s) Detail

Elev/Diff Site DΒ Map Key Number of Direction/

Document Heading: Supporting Documents

Records

Document Name: 680 River - Phase Two CSM R0.pdf Document Type: Phase 2 Conceptual Site Model

https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action? Document Link:

attachmentId=92485&fileName=680+River+-+Phase+Two+CSM_R0.pdf

Document Heading: Supporting Documents

680 River - Current and Past Use Table_R0.pdf Document Name: Document Type: Table of Current and Past Property Use

Distance (m)

https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action? Document Link:

attachmentId=92481&fileName=680+River+-+Current+and+Past+Use+Table_R0.pdf

Document Heading: Supporting Documents

Document Name: 680 River - Deed and Transfers.pdf

Document Type: Copy of any deed(s), transfer(s) or other document(s)

https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action? Document Link: attachmentId=92484&fileName=680+River+-+Deed+and+Transfers.pdf

Document Heading: Supporting Documents

Document Name: Survey.pdf

Document Type: A Current plan of Survey

https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action? Document Link:

attachmentId=93043&fileName=Survey.pdf

Document Heading: Supporting Documents

680 River - RSC Lawyer Letter - 10Jan2018.pdf Document Name:

Lawyer's letter consisting of a legal description of the property Document Type:

Document Link: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?

attachmentId=92482&fileName=680+River+-+RSC+Lawyer+Letter+-+10Jan2018.pdf

Document Heading: **Supporting Documents**

680 River - APEC Table R0.pdf Document Name:

Area(s) of Potential Environmental Concern Document Type:

Document Link: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?

attachmentId=92483&fileName=680+River+-+APEC+Table_R0.pdf

1 of 1 WSW/710.8 92.0 / 12.08 18 LODGE ROAD lot 10 con 2 93 **WWIS** OTTAWA ON

Well ID: 7163229 Data Entry Status:

Data Src:

Construction Date: Primary Water Use: Date Received: 5/18/2011 Sec. Water Use: Selected Flag: Yes Final Well Status: Abandoned-Other Abandonment Rec: Yes Water Type: Contractor: 1119

Casing Material: Form Version: Z119823 Owner:

Audit No: 18 LODGE ROAD Street Name: Taa:

OTTAWA Construction Method: County:

NEPEAN TOWNSHIP Elevation (m): Municipality: Site Info:

Elevation Reliability: Depth to Bedrock: Lot: 010 Well Depth: Concession: 02 Overburden/Bedrock: Concession Name: RF

Pump Rate: Easting NAD83: Static Water Level: Northing NAD83:

Flowing (Y/N): Zone:

UTM Reliability: Flow Rate: Clear/Cloudy:

 $https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/716\arrowvertex. The properties of the p$ PDF URL (Map):

Order No: 21011800277

Bore Hole Information

Elevation:

Elevrc:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

Zone:

91.409011

18

wwr

444166

5012291 UTM83

margin of error: 10 - 30 m

Order No: 21011800277

Bore Hole ID: 1003510530

DP2BR:

Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Cluster Kina:

Date Completed: 3/3/2011

Remarks:

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Annular Space/Abandonment

Sealing Record

Plug ID: 1003900052

 Layer:
 1

 Plug From:
 0

 Plug To:
 63

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1003900053

 Layer:
 1

 Plug From:
 0

 Plug To:
 4

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1003900054

 Layer:
 2

 Plug From:
 4

 Plug To:
 63

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003900051

Method Construction Code: Method Construction: Other Method Construction:

Pipe Information

Pipe ID: 1003900045

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1003900049

Layer: Material:

Open Hole or Material:

Depth From: Depth To: Casing Diameter: Casing Diameter UOM:

inch Casing Depth UOM: ft

Construction Record - Screen

1003900050 Screen ID:

Layer: Slot: Screen Top Depth:

Screen End Depth: Screen Material: Screen Depth UOM: ft Screen Diameter UOM: inch

Water Details

Screen Diameter:

1003900048 Water ID:

Layer: Kind Code: Kind:

Water Found Depth: Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1003900047

Diameter: Depth From: Depth To:

94

Hole Depth UOM: ft Hole Diameter UOM: inch

1 of 1

Ottawa ON Nearest Intersection:

90.3 / 10.39

80.8 / 0.92

SSE/711.1

Order No: 20060911023 С Status: Report Type: **Custom Report** 9/19/2006 Report Date:

Date Received: 8/11/2006 Previous Site Name: Lot/Building Size:

1 of 1

Additional Info Ordered:

BORE ON

3704 Prince of Wales Dr.

ON

0.25

No

No

No

Initial Entry

-75.699564

45.2579

Municipality:

Inclin FLG:

SP Status:

Surv Elev:

Piezometer:

Primary Name:

X: Y:

Client Prov/State:

Search Radius (km):

EHS

Order No: 21011800277

Borehole ID: 848075 OGF ID: 215589729 Decommissioned Status: Borehole Type:

Geotechnical/Geological Investigation Use:

06-MAY-1959 Completion Date:

Municipality: Static Water Level: Lot: LOT 10

WSW/712.2

95

Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

 Primary Water Use:
 Township:
 NEPEAN

 Sec. Water Use:
 Latitude DD:
 45.259462

 Total Depth m:
 15.1
 Longitude DD:
 -75.709685

Depth Ref:Ground SurfaceUTM Zone:18Depth Elev:Easting:444319

Depth Elev:Easting:444319Drill Method:Diamond DrillNorthing:5012019

Orig Ground Elev m:82.7Location Accuracy:Elev Reliabil Note:Accuracy:

Elev Reliabil Note: Accuracy: Within 10 metres

DEM Ground Elev m: 84.3

Concession: CON 2 Location D: Survey D:

Borehole Geology Stratum

Comments:

Geology Stratum ID: 6559856 Mat Consistency: Top Depth: 12.6 Material Moisture: Bottom Depth: 15.1 Material Texture: Material Color: Grey Non Geo Mat Type: Material 1: Limestone Geologic Formation: Geologic Group: Material 2: Sandstone Material 3: Dolomite Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: GREY FISSURED DOLOMITIC LIMESTONE WITH THIN SEAMS OF WHITE SANDSTONE **Note: Many records

provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 6559855 Mat Consistency: Dense Top Depth: 10.7 Material Moisture: Bottom Depth: Material Texture: 12.6 Fine Material Color: Grey Non Geo Mat Type: Material 1: Geologic Formation: Sand

Material 1:SandGeologic FormationMaterial 2:Geologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: GREY DENSE FINE SAND **Note: Many records provided by the department have a truncated [Stratum

Description] field.

6559853 Geology Stratum ID: Mat Consistency: Top Depth: Material Moisture: **Bottom Depth:** 1.8 Material Texture: Non Geo Mat Type: Material Color: Fill Material 1: Geologic Formation: Material 2: Gravel Geologic Group: Geologic Period:

Material 3: Sand
Material 4: Silt
Gsc Material Description:

Stratum Description: GRAVEL-SAND-SILT FILL **Note: Many records provided by the department have a truncated [Stratum

Description] field.

Geology Stratum ID: 6559854 Mat Consistency: Loose

Top Depth: 1.8 Material Moisture:

Bottom Depth: 10.7 Material Texture: Fine to Medium

Material Color:GreyNon Geo Mat Type:Material 1:SandGeologic Formation:Material 2:GravelGeologic Group:Material 3:BouldersGeologic Period:Material 4:LimestoneDepositional Gen:

Gsc Material Description:

Stratum Description: LIGHT GREY, LOOSE TO VERY DENSE (DENSITY INCREASING WITH DEPTH) FINE TO MEDIUM SAND

WITH FINE TO COARSE ANGULAR TO SUB-ANGULAR GRAVEL AND BOULDERS; WITH AN APPRECIABLE AMOUNT OF LIMESTONE ROCK-FLOUR **Note: Many records provided by the department have a truncated

Order No: 21011800277

Depositional Gen:

[Stratum Description] field.

96 1 of 1 SW/712.3 84.6 / 4.69 ON BORE

45.258777

Order No: 21011800277

 Borehole ID:
 612005
 Inclin FLG:
 No

 OGF ID:
 215513315
 SP Status:
 Initial Entry

 Status:
 Surv Elev:
 No

 Type:
 Borehole
 Piezometer:
 No

Use: Primary Name:
Completion Date: Municipality:
Static Water Level: 3.7 Lot:

Primary Water Use: Township:

Sec. Water Use: Latitude DD:

 Total Depth m:
 -999
 Longitude DD:
 -75.708635

 Depth Ref:
 Ground Surface
 UTM Zone:
 18

 Depth Elev:
 Easting:
 444401

Drill Method:

Orig Ground Elev m: 88.4

Northing: 5011942

Location Accuracy:

Elev Reliabil Note:Accuracy:Not ApplicableDEM Ground Elev m:88.2

Concession: Location D: Survey D: Comments:

Borehole Geology Stratum

Geology Stratum ID:218389791Mat Consistency:Top Depth:0Material Moisture:Bottom Depth:16.8Material 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.

Material Color: White Non Geo Mat Type:
Material 1: Bedrock Geologic Formation:
Material 2: Limestone Geologic Group:
Material 3: Geologic Period:
Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: BEDROCK, LIMESTONE. WHITE. SANDSTONE. WHITE. 00086 = 19500. BEDROCK. SEISMIC VELOCIT **Note:

Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:218389792Mat Consistency:Top Depth:16.8Material Moisture:Bottom Depth:18.9Material Texture:Material Color:Non Geo Mat Type:Material 1:GravelGeologic Formation:

Material 2: Geologic Formation

Material 3: Geologic Group:

Material 3: Geologic Period:

Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: GRAVEL. WATER STABLE AT 278.0 FEET.

<u>Source</u>

Source Type: Data Survey Source Appl: Spatial/Tabular

Source Orig:Geological Survey of CanadaSource Iden:1Source Date:1956-1972Scale or Res:VariesConfidence:MHorizontal:NAD27

Observatio: Verticalda: Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 045130 NTS_Sheet: 31G05B

Confiden 1: Reliable information but incomplete.

Source List

Source Identifier: 1 Horizontal Datum: NAD27

Source Type:Data SurveyVertical Datum:Mean Average Sea LevelSource Date:1956-1972Projection Name:Universal Transverse Mercator

Scale or Resolution: Varies
Source Name: Urban Geology Automated Information System (UGAIS)

Source Originators: Geological Survey of Canada

97 1 of 1 NNE/714.7 90.9 / 11.05 680 River Road Ottawa ON K1V 1G1

Order No: 20160718023 Nearest Intersection:

Status: C Municipality:

Report Type:RSC Report (Urban)Client Prov/State:ONReport Date:22-JUL-16Search Radius (km):.3

 Date Received:
 18-JUL-16
 X:
 -75.700729

 Previous Site Name:
 Y:
 45.270042

 Lot/Building Size:
 45.270042

lot 11 con 2

WWIS

Order No: 21011800277

— ON

90.8 / 10.97

Well ID: 1519500 Data Entry Status:

W/716.6

Construction Date: Data Src: 1

Primary Water Use:DomesticDate Received:3/6/1985Sec. Water Use:0Selected Flag:Yes

Final Well Status:Water SupplyAbandonment Rec:Water Type:Contractor:1119

Water Type:Contractor:1119Casing Material:Form Version:1Audit No:Owner:Tag:Street Name:

Construction Method: County: OTTAWA

Elevation (m): Municipality: NEPEAN TOWNSHIP
Elevation Reliability: Site Info:

Depth to Bedrock:Lot:011Well Depth:Concession:02

Well Depth:Concession:02Overburden/Bedrock:Concession Name:RFPump Rate:Easting NAD83:

Static Water Level: Northing NAD83: Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1519500.pdf

Bore Hole Information

Additional Info Ordered:

1 of 1

98

Bore Hole ID: 10041370 **Elevation:** 92.655883

DP2BR: 45 Elevro:

 Spatial Status:
 Zone:
 18

 Code OB:
 r
 East83:
 444129.7

Code OB Desc: Bedrock North83: 5012521

Open Hole: Org CS: Cluster Kind: UTMRC:

 Date Completed:
 6/29/1984
 UTMRC Desc:
 margin of error : 30 m - 100 m

 Remarks:
 Location Method:
 p4

Remarks: Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

 Formation ID:
 931041876

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 45
Formation End Depth: 120
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931041875

Layer: 1

Color:

General Color:

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 12

 Mat2 Desc:
 STONES

 Mat3:
 13

 Mat3 Desc:
 BOULDERS

Formation Top Depth: 0
Formation End Depth: 45
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961519500

Method Construction Code: 2

Method Construction: Rotary (Convent.)

Other Method Construction:

Pipe Information

Pipe ID: 10589940

Casing No:

Comment: Alt Name:

Construction Record - Casing

Order No: 21011800277

Casing ID: 930072231

Layer: Material: Open Hole or Material: STEEL

Depth From:

Depth To: 50 Casing Diameter: 6 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991519500

Pump Set At:

30 Static Level: Final Level After Pumping: 70 80 Recommended Pump Depth: Pumping Rate: 18 Flowing Rate: Recommended Pump Rate: 18 Levels UOM: ft **GPM** Rate UOM: Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: Pumping Duration HR: 0 30 **Pumping Duration MIN:** No

Draw Down & Recovery

Flowing:

934109133 Pump Test Detail ID: Draw Down Test Type:

Test Duration: 15 70 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934383307 Test Type: Draw Down

Test Duration: 30 70 Test Level: Test Level UOM: ft

Water Details

Water ID: 933476510 Layer: 1

Kind Code: **FRESH** Kind: Water Found Depth: 115 Water Found Depth UOM: ft

75.6 / -4.25 55 LODGE ROAD lot 11 con 1 99 1 of 1 N/717.1 **WWIS** NEPEAN ON

Well ID: 7156871 Data Entry Status:

Construction Date: Data Src:

Primary Water Use: Date Received: 12/29/2010 Sec. Water Use: Selected Flag: Yes

Final Well Status: Abandoned-Other

Water Type:

Tag:

Casing Material:

Audit No: Z119956

Construction Method: Elevation (m):

Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock:

Static Water Level: Flowing (Y/N):

Flow Rate: Clear/Cloudy:

Pump Rate:

Abandonment Rec: Yes Contractor: 1119 Form Version:

Owner:

Street Name: 55 LODGE ROAD

OTTAWA County:

Municipality: **NEPEAN TOWNSHIP** Site Info: PART 12

80.318244

444829 5013215

UTM83

wwr

margin of error: 10 - 30 m

Order No: 21011800277

18

Lot: 011 Concession: 01 RF Concession Name:

Easting NAD83: Northing NAD83:

Zone:

Elevation:

Elevrc:

East83:

North83: Org CS:

UTMRC:

UTMRC Desc:

Location Method:

Zone:

UTM Reliability:

PDF URL (Map): $https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/715\37156871.pdf$

Bore Hole Information

Bore Hole ID: 1003444430

DP2BR:

Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 8/4/2010

Remarks: Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: **Source Revision Comment:**

Supplier Comment:

Annular Space/Abandonment

Sealing Record

1003594949 Plug ID:

Layer: Plug From: 66 Plug To: 6 Plug Depth UOM: ft

Annular Space/Abandonment

Sealing Record

1003594950 Plug ID:

Layer: Plug From: 6 0 Plug To: Plug Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003594954

Method Construction Code: Method Construction: Other Method Construction:

Pipe Information

Pipe ID: 1003594946

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1003594952

Layer: Material:

Open Hole or Material:

Depth From: Depth To:

Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1003594953

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM:

Screen Depth UOM: ft Screen Diameter UOM: inch

Screen Diameter:

Water Details

Water ID: 1003594951

ft

Layer: Kind Code: Kind:

Water Found Depth: Water Found Depth UOM:

Hole Diameter

Hole ID: 1003594948

Diameter: Depth From: Depth To:

100

Well ID:

Hole Depth UOM: ft
Hole Diameter UOM: inch

1 of 1

Ottawa ON

Data Entry Status:

90.4 / 10.54

Construction Date:

Primary Water Use: Monitoring and Test Hole

7271907

Sec. Water Use: 0

Final Well Status: Monitoring and Test Hole

Water Type: Casing Material:

Audit No: Z233042

Abandonment Rec: Contractor: 7241

9/22/2016

Yes

680 RIVER ROAD

Contractor: 724
Form Version: 7

Owner:

Data Src:

Date Received:

Selected Flag:

erisinfo.com | Environmental Risk Information Services

NNE/718.2

WWIS

Tag: A190859 Street Name: 680 RIVER ROAD

 Construction Method:
 County:
 OTTAWA

 Elevation (m):
 Municipality:
 GLOUCESTER TOWNSHIP

 Elevation Reliability:
 Site Info:

Depth to Bedrock:

Well Depth:

Overburden/Bedrock:

Pump Rate:

Static Water Level:

Flowing (Y/N):

Lot:

Concession:

Concession Name:

Easting NAD83:

Northing NAD83:

Zone:

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

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/727\7271907.pdf

Bore Hole Information

Bore Hole ID: 1006251758 **Elevation:** 90.490615

DP2BR: Elevrc: Spatial Status: Zone: 18 445083 Code OB: East83: Code OB Desc: North83: 5013176 Open Hole: Org CS: UTM83 Cluster Kind: UTMRC:

Date Completed: 8/22/2016 UTMRC Desc: margin of error : 30 m - 100 m

Remarks: Location Method: W

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

Overburden and Bedrock

Location Source Date:

Materials Interval

Formation ID: 1006338316

Layer: 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 02

Mat1: 02
Most Common Material: TOPSOIL

Mat2: Mat2 Desc:

Mat3: 77
Mat3 Desc: LOOSE

Formation Top Depth: 0
Formation End Depth: .31
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1006338317

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 06

 Mat2 Desc:
 SILT

 Mat3:
 28

Order No: 21011800277

SAND

Mat3 Desc:

Formation Top Depth: .31 Formation End Depth: 4.27 Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

1006338318 Formation ID:

Layer: 3 Color: General Color: **GREY** 06 Mat1: Most Common Material: SILT Mat2: 05 Mat2 Desc: CLAY Mat3: 12 Mat3 Desc: **STONES** Formation Top Depth: 4.27 Formation End Depth: 7.62 Formation End Depth UOM: m

Annular Space/Abandonment

Sealing Record

Plug ID: 1006338327 2 Layer: Plug From: 0.31 Plug To: 4.27 Plug Depth UOM:

m

Annular Space/Abandonment

Sealing Record

1006338326 Plug ID:

Layer: Plug From: 0 Plug To: 0.31 Plug Depth UOM:

Annular Space/Abandonment

Sealing Record

Plug ID: 1006338328 Layer: 3

Plug From: 4.27 Plug To: 7.62 Plug Depth UOM: m

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1006338325 **Method Construction Code:**

Method Construction: Direct Push

Other Method Construction:

Pipe Information

Pipe ID: 1006338315

Casing No: 0

Comment:

Alt Name:

Construction Record - Casing

Casing ID: 1006338321

Layer: 1
Material: 5

Open Hole or Material:PLASTICDepth From:0Depth To:4.57Casing Diameter:4.03Casing Diameter UOM:cmCasing Depth UOM:m

Construction Record - Screen

Screen ID: 1006338322

 Layer:
 1

 Slot:
 10

 Screen Top Depth:
 4.57

 Screen End Depth:
 7.62

 Screen Material:
 5

 Screen Depth UOM:
 m

 Screen Diameter UOM:
 cm

 Screen Diameter:
 9.82

Water Details

Water ID: 1006338320

Layer: Kind Code: Kind:

Water Found Depth:

Water Found Depth UOM: m

Hole Diameter

 Hole ID:
 1006338319

 Diameter:
 8.25

 Depth From:
 0

 Depth To:
 7.62

 Hole Depth UOM:
 m

 Hole Diameter UOM:
 cm

101 1 of 1 NE/720.6 88.1 / 8.20 671 RIVER RD WWIS

Well ID: 7237542

Construction Date:

Primary Water Use: Monitoring and Test Hole

Sec. Water Use: 0

Final Well Status: Test Hole

Water Type: Casing Material:

Audit No: Z195921 **Tag:** A170558

Tag: A170
Construction Method:

Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth:

Overburden/Bedrock:

Data Entry Status:

Data Src:

Site Info:

Date Received: 2/16/2015
Selected Flag: Yes
Abandonment Rec:

Contractor: 7241 Form Version: 7

 Form Version:
 7

 Owner:
 671 RIVER RD

County: OTTAWA
Municipality: GLOUCESTER TOWNSHIP

Order No: 21011800277

Lot: Concession: Concession Name:

Pump Rate: Static Water Level:

Flowing (Y/N): Flow Rate: Clear/Cloudy:

Northing NAD83: Zone: UTM Reliability:

Easting NAD83:

PDF URL (Map):

Bore Hole Information

1005307403 Bore Hole ID:

DP2BR:

Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

1/8/2015 Date Completed:

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 1005525842

Layer: 3 Color: 6 **BROWN** General Color: Mat1: 06 Most Common Material: SILT Mat2: 80

FINE SAND Mat2 Desc: Mat3: 85 SOFT Mat3 Desc: Formation Top Depth: 2.44 Formation End Depth: 4.57 Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1005525840

Layer: Color:

6 **BROWN** General Color:

Mat1: **GRAVEL** Most Common Material: Mat2: 28 Mat2 Desc: SAND Mat3: 85 Mat3 Desc: SOFT Formation Top Depth: 0 Formation End Depth: .61 Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Elevation: Elevrc:

Zone: 18 East83: 445210 North83: 5013120 Org CS: UTM83

UTMRC:

UTMRC Desc: margin of error: 30 m - 100 m

Order No: 21011800277

88.357261

Location Method:

Formation ID: 1005525841

Layer: 2 Color: 6 General Color: **BROWN** 06 Mat1: Most Common Material: SILT 80 Mat2: Mat2 Desc: **FINE SAND** Mat3: 85 SOFT Mat3 Desc: Formation Top Depth: .61 Formation End Depth: 2.44

Annular Space/Abandonment

Formation End Depth UOM:

Sealing Record

Plug ID: 1005525850

m

 Layer:
 1

 Plug From:
 0

 Plug To:
 0.31

 Plug Depth UOM:
 m

Annular Space/Abandonment

Sealing Record

Plug ID: 1005525852

 Layer:
 3

 Plug From:
 1.22

 Plug To:
 4.57

 Plug Depth UOM:
 m

Annular Space/Abandonment

Sealing Record

Plug ID: 1005525851

 Layer:
 2

 Plug From:
 0.31

 Plug To:
 1.22

 Plug Depth UOM:
 m

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1005525849

Method Construction Code:

Method Construction: Direct Push

Other Method Construction:

Pipe Information

Pipe ID: 1005525839

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1005525845

Layer: 1

DB Map Key Number of Direction/ Elev/Diff Site Records Distance (m) (m) Material: 5 Open Hole or Material: **PLASTIC** Depth From: 0 1.5 Depth To: Casing Diameter: 4.03 Casing Diameter UOM: cm Casing Depth UOM: m **Construction Record - Screen** Screen ID: 1005525846 Layer: 10 Slot: Screen Top Depth: 1.5 Screen End Depth: 4.57 Screen Material: 5 Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 4.82 Water Details Water ID: 1005525844 Layer: Kind Code: Kind: Water Found Depth: Water Found Depth UOM: m Hole Diameter 1005525843 Hole ID: Diameter: 8.25 Depth From: 0 Depth To: 4.57 Hole Depth UOM: m Hole Diameter UOM: cm 102 1 of 1 NE/720.8 88.2 / 8.31 761 RIVER RD. **WWIS** OTTAWA ON Well ID: 7253974 Data Entry Status: Construction Date: Data Src: Monitoring and Test Hole Date Received: 12/10/2015 Primary Water Use: Sec. Water Use: Selected Flag: Yes **Observation Wells** Final Well Status: Abandonment Rec: 7241 Water Type: Contractor: Casing Material: Form Version: 7 Audit No: Z214891 Owner: A165606 Street Name: 761 RIVER RD. Tag: Construction Method: OTTAWA County: **GLOUCESTER TOWNSHIP** Elevation (m): Municipality: Elevation Reliability: Site Info:

Lot:

Zone:

Concession:

Concession Name:

Easting NAD83:

Northing NAD83:

UTM Reliability:

Order No: 21011800277

Depth to Bedrock:

Overburden/Bedrock:

Static Water Level:

Well Depth:

Pump Rate:

Flow Rate:

Flowing (Y/N):

Clear/Cloudy:

PDF URL (Map):

Bore Hole Information

Bore Hole ID: 1005833189 **Elevation:** 88.516952

DP2BR: Elevrc: Spatial Status: Zone: 18 Code OB: 445198 East83: Code OB Desc: North83: 5013127 Open Hole: Org CS: UTM83 Cluster Kind: **UTMRC**:

Date Completed: 11/17/2015 UTMRC Desc: margin of error : 30 m - 100 m

Remarks: Location Method: wwr Elevro Desc:

Supplier Comment:

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

Overburden and Bedrock

Materials Interval

Formation ID: 1005877088

Layer: Color: 6 General Color: **BROWN** Mat1: 05 Most Common Material: CLAY Mat2: 81 SANDY Mat2 Desc: Mat3: 85 SOFT Mat3 Desc: Formation Top Depth: .61 Formation End Depth: 3.1

Overburden and Bedrock

Formation End Depth UOM:

Materials Interval

Formation ID: 1005877089

m

3 Layer: Color: **BROWN** General Color: Mat1: 05 Most Common Material: CLAY Mat2: 06 Mat2 Desc: SILT Mat3: 85 SOFT Mat3 Desc: Formation Top Depth: 3.1 Formation End Depth: 4.57 Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1005877090

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

Most Common Material: CLAY Mat2: 06 SILT Mat2 Desc: Mat3: 85 Mat3 Desc: SOFT Formation Top Depth: 4.57 Formation End Depth: 7.62 Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

1005877087 Formation ID:

Layer: Color: **GREY** General Color: Mat1: 11 Most Common Material: **GRAVEL** Mat2: 77 Mat2 Desc: LOOSE

Mat3: Mat3 Desc:

0 Formation Top Depth: .61 Formation End Depth: Formation End Depth UOM:

Annular Space/Abandonment

Sealing Record

Plug ID: 1005877098

Layer: 0 Plug From: Plug To: 0.31 Plug Depth UOM: m

Annular Space/Abandonment

Sealing Record

1005877099 Plug ID:

Layer: Plug From: 0.31 Plug To: 3.96 Plug Depth UOM:

Annular Space/Abandonment

Sealing Record

Plug ID: 1005877100

Layer: Plug From: 3.96 Plug To: 7.62 Plug Depth UOM: m

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1005877097

Method Construction Code:

Direct Push

Method Construction: Other Method Construction:

Pipe Information

Alt Name:

1005877086 Pipe ID:

Casing No: Comment:

Construction Record - Casing

Casing ID: 1005877093

Layer: 1 Material: 5 **PLASTIC** Open Hole or Material: Depth From: n Depth To: 4.57 Casing Diameter: 5.2 Casing Diameter UOM: cm Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1005877094

Layer: 10 Slot: Screen Top Depth: 4.57 Screen End Depth: 7.62 Screen Material: 5 Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 6.03

Water Details

Water ID: 1005877092

Layer: Kind Code: Kind:

Water Found Depth: Water Found Depth UOM: m

Hole Diameter

Hole ID: 1005877091 15.24 Diameter: Depth From: 0 Depth To: 7.62 Hole Depth UOM: m Hole Diameter UOM: cm

1 of 1 NNE/722.2 90.0 / 10.07 680 RIVER RD 103 Ottawa ON

7280110 Well ID: Data Entry Status: Construction Date: Data Src:

Primary Water Use: Monitoring and Test Hole

Sec. Water Use:

Final Well Status: Monitoring and Test Hole

Water Type:

Casing Material:

Audit No: Z214971

Tag: A191180 **Construction Method:**

Contractor: 7241 Form Version:

Owner:

Date Received:

Selected Flag:

Abandonment Rec:

680 RIVER RD Street Name:

2/2/2017

Yes

WWIS

Order No: 21011800277

County: **OTTAWA** Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

Elevation (m):Municipality:GLOUCESTER TOWNSHIPElevation Reliability:Site Info:Depth to Bedrock:Lot:

Well Depth: Concession:
Overburden/Bedrock: Concession Name:
Pump Rate: Easting NAD83:
Static Water Level: Northing NAD83:
Flowing (Y/N): Zone:
Flow Rate: UTM Reliability:

Clear/Cloudy:

PDF URL (Map):

Bore Hole Information

Bore Hole ID: 1006347574 **Elevation:** 89.193954

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 445020

 Code OB Desc:
 North83:
 5013199

 Open Hole:
 Org CS:
 UTM83

 Cluster Kind:
 UTMRC:
 4

 Date Completed:
 12/12/2016
 UTMRC Desc:
 margin of error : 30 m - 100 m

Remarks: Location Method: www

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 1006541824

Layer: 3 Color: 6 General Color: **BROWN** Mat1: 05 Most Common Material: CLAY Mat2: 28 Mat2 Desc: SAND Mat3: 85 Mat3 Desc: SOFT

Formation Top Depth: 1.82
Formation End Depth: 7.62
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1006541823

Layer: 2 **Color:** 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 11

 Mat2 Desc:
 GRAVEL

 Mat3:
 85

 Mat3 Desc:
 SOFT

Formation Top Depth: .31
Formation End Depth: 1.82

Order No: 21011800277

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 1006541822

m

Layer:

 Color:
 6

 General Color:
 BROWN

 Mat1:
 02

 Most Common Material:
 TOPSOIL

Mat2:

Mat2 Desc:

Mat3:85Mat3 Desc:SOFTFormation Top Depth:0Formation End Depth:.31Formation End Depth UOM:m

Annular Space/Abandonment

Sealing Record

Plug ID: 1006541832

 Layer:
 1

 Plug From:
 0

 Plug To:
 0.31

 Plug Depth UOM:
 m

Annular Space/Abandonment

Sealing Record

Plug ID: 1006541834

 Layer:
 3

 Plug From:
 4.21

 Plug To:
 7.62

 Plug Depth UOM:
 m

Annular Space/Abandonment

Sealing Record

Plug ID: 1006541833

 Layer:
 2

 Plug From:
 0.31

 Plug To:
 4.27

 Plug Depth UOM:
 m

Method of Construction & Well

Use

Method Construction ID: 1006541831

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 1006541821

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1006541827

Layer:

Material: 5 Open Hole or Material: **PLASTIC** Depth From: 4.57

Depth To: Casing Diameter: 5.2 Casing Diameter UOM: cm Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1006541828

Layer: 1 10 Slot: Screen Top Depth: 4.57 Screen End Depth: 7.62

Screen Material: Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 6.03

Water Details

Water ID: 1006541826

Layer: Kind Code: Kind:

Water Found Depth: Water Found Depth UOM: m

Hole Diameter

1006541825 Hole ID: Diameter: 11.43 Depth From: 0 Depth To: 7.62 Hole Depth UOM: m Hole Diameter UOM: cm

W/726.7 91.9 / 11.98 lot 11 con 2 104 1 of 1 **WWIS** ON

1517697 Well ID: Data Entry Status:

Construction Date: Data Src:

1/11/1982 Primary Water Use: Domestic Date Received: Sec. Water Use: Selected Flag: Yes

Final Well Status: Water Supply Abandonment Rec:

Water Type: 1517 Contractor: Casing Material: Form Version: 1 Audit No:

Owner: Tag: Street Name: **Construction Method:** County:

OTTAWA NEPEAN TOWNSHIP Elevation (m): Municipality: Site Info:

Elevation Reliability: Depth to Bedrock: Lot: 011 02 Well Depth: Concession:

Overburden/Bedrock: Concession Name: RF Pump Rate: Easting NAD83: Static Water Level:

Northing NAD83:

Flowing (Y/N): Zone:

Flow Rate: UTM Reliability:

Clear/Cloudy:

PDF URL (Map):

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517697.pdf

Order No: 21011800277

Bore Hole Information

Bore Hole ID: 10039569 **Elevation:** 91.876731

 DP2BR:
 42
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 r
 East83:
 444129.7

 Code OB Desc:
 Bedrock
 North83:
 5012621

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 9/29/1981 UTMRC Desc: margin of error : 30 m - 100 m

Remarks: Location Method: p4
Elevrc Desc:

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

Supplier Comment:

Location Source Date:

Overburden and Bedrock

Materials Interval

 Formation ID:
 931036017

 Layer:
 2

 Color:
 2

 General Color:
 GREY

Mat1: 14
Most Common Material: HARDPAN
Mat2: 13

Mat2 Desc: BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 6
Formation End Depth: 37
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931036016

Layer: 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 02

 Most Common Material:
 TOPSOIL

 Mat2:
 81

 Mat2 Desc:
 SANDY

Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 6
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931036018

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 28

 Most Common Material:
 SAND

 Mat2:
 11

 Mat2 Desc:
 GRAVEL

Mat3: Mat3 Desc:

Formation Top Depth: 37
Formation End Depth: 42

Formation End Depth: 42
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931036019

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: 12 Mat2 Desc: STONES

Mat3: Mat3 Desc:

Formation Top Depth: 42
Formation End Depth: 54
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961517697Method Construction Code:1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10588139

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930069173

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 42
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991517697

Pump Set At:

Static Level: 11

Map Key Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Final Level After Pumping: Recommended Pump Depth:	23			
Pumping Rate: Flowing Rate:	18			
Recommended Pump Rate: Levels UOM:	ft			
Rate UOM:	GPM			
Water State After Test Code: Water State After Test:				
Pumping Test Method: Pumping Duration HR:	2 1			
Pumping Duration HR. Pumping Duration MIN:	0			
Flowing:	No			
Draw Down & Recovery				
Pump Test Detail ID:	934895641			
Test Type: Test Duration:	Draw Down 60			
Test Level:	23			
Test Level UOM:	ft			
Draw Down & Recovery				
Pump Test Detail ID:	934646366			
Test Type: Test Duration:	Draw Down 45			
Test Level:	23			
Test Level UOM:	ft			
Draw Down & Recovery				
Pump Test Detail ID:	934376114			
Test Type: Test Duration:	Draw Down 30			
Test Level:	22			
Test Level UOM:	ft			
Draw Down & Recovery				
Pump Test Detail ID:	934102225 Draw Down			
Test Type: Test Duration:	15			
Test Level:	20			
Test Level UOM:	ft			
Water Details				
Water ID:	933474221			
Layer: Kind Code:	1 1			
Kind:	FRESH			
Water Found Depth: Water Found Depth UOM:	53 ft			
105 1 of 1	NE/727.7	88.2 / 8.31	671 RIVER RD Ottawa ON	wwis

Order No: 21011800277

Well ID: 7237540 Data Entry Status:

Data Src: Construction Date:

Primary Water Use: Monitoring and Test Hole 2/16/2015 Date Received:

Sec. Water Use: 0

Final Well Status: Test Hole

Water Type:

Casing Material:

Audit No: Z195930 **Tag:** A170557

Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate:

Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

PDF URL (Map):

Selected Flag:

Abandonment Rec:

Contractor: 7241 Form Version: 7

Owner:

Street Name: 671 RIVER RD County: 0TTAWA

Municipality: GLOUCESTER TOWNSHIP

Yes

Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

Bore Hole Information

Bore Hole ID: 1005307397

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 1/8/2015

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Elevation: 88.376029

Elevrc:

Zone: 18
East83: 445198
North83: 5013135
Org CS: UTM83

UTMRC: 4

UTMRC Desc: margin of error: 30 m - 100 m

Order No: 21011800277

Location Method: wwr

Overburden and Bedrock

Materials Interval

Formation ID: 1005525792

 Layer:
 3

 Color:
 6

 General Color:
 BROWN

 Mat1:
 06

 Most Common Material:
 SILT

 Mat2:
 08

Mat2 Desc: FINE SAND

Mat3:

Mat3 Desc:

Formation Top Depth: 2.44
Formation End Depth: 4.57
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1005525790

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

11

Mat1:

GRAVEL Most Common Material: Mat2: 28

Mat2 Desc: Mat3:

SAND

Mat3 Desc:

0 Formation Top Depth: Formation End Depth: .61 Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

1005525791 Formation ID:

Layer: 2 Color: **BROWN** General Color: Mat1: 06

Most Common Material: SILT Mat2: 80 **FINE SAND**

Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: .61 2.44 Formation End Depth: Formation End Depth UOM:

Annular Space/Abandonment

Sealing Record

Plug ID: 1005525801

Layer: Plug From: 0.31 Plug To: 1.22 Plug Depth UOM: m

Annular Space/Abandonment

Sealing Record

1005525800 Plug ID:

Layer: Plug From: 0 Plug To: 0.31 Plug Depth UOM:

Annular Space/Abandonment

Sealing Record

Plug ID: 1005525802

Layer: 3 Plug From: 1.22 Plug To: 4.57 Plug Depth UOM: m

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1005525799

Method Construction Code:

Direct Push Method Construction:

Other Method Construction:

Pipe Information

Pipe ID: 1005525789

Casing No: Comment:

Alt Name:

Construction Record - Casing

Casing ID: 1005525795

 Layer:
 1

 Material:
 5

 Open Hole or Material:
 PLASTIC

 Depth From:
 0

 Depth To:
 1.5

 Casing Diameter:
 4.03

 Casing Diameter UOM:
 cm

Construction Record - Screen

Casing Depth UOM:

Screen ID: 1005525796

m

 Layer:
 1

 Slot:
 10

 Screen Top Depth:
 1.5

 Screen End Depth:
 4.57

 Screen Material:
 5

 Screen Depth UOM:
 m

 Screen Diameter UOM:
 cm

 Screen Diameter:
 4.82

Water Details

Water ID: 1005525794

Layer: Kind Code: Kind:

Water Found Depth:
Water Found Depth UOM:

Hole Diameter

 Hole ID:
 1005525793

 Diameter:
 8.25

 Depth From:
 0

 Depth To:
 4.57

 Hole Depth UOM:
 m

 Hole Diameter UOM:
 cm

106 1 of 1 S/732.2 79.9 / 0.00 ON BORE

Order No: 21011800277

 Borehole ID:
 611996
 Inclin FLG:
 No

 OGF ID:
 215513306
 SP Status:
 Initial Entry

 Status:
 Surv Elev:
 No

Status:Surv Elev:NoType:BoreholePiezometer:NoUse:Primary Name:

Completion Date: AUG-1968 Municipality:

Static Water Level: -7.3 Lot:
Primary Water Use: Township:

 Sec. Water Use:
 Latitude DD:
 45.257274

 Total Depth m:
 17.4
 Longitude DD:
 -75.704155

Number of Direction/ Elev/Diff Site DΒ Map Key

Not Applicable

Order No: 21011800277

Records Distance (m) (m)

Depth Ref: **Ground Surface** UTM Zone: 18 Depth Elev: 444751 Easting: Drill Method: Northing: 5011772

Oria Ground Elev m: 79.2

80.8

Location Accuracy: Elev Reliabil Note: Accuracy:

Concession: Location D: Survey D: Comments:

DEM Ground Elev m:

Borehole Geology Stratum

Geology Stratum ID: 218389768 Mat Consistency: Top Depth: 12.2 Material Moisture: Material Texture: **Bottom Depth:** 17.4 Material Color: Non Geo Mat Type:

Material 1: Sandstone Geologic Formation: Material 2: Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

SANDSTONE. 00055284.0 FEET.IC VELOCITY = 5900. BEDROCK. SEISMIC VELOCITY = 19500. BED **Note: Stratum Description:

Many records provided by the department have a truncated [Stratum Description] field.

218389767 Mat Consistency: Geology Stratum ID: Top Depth: Material Moisture: **Bottom Depth:** 12.2 Material Texture: Material Color: Grev Non Geo Mat Type: Material 1: Clay Geologic Formation: Boulders Material 2: Geologic Group: Material 3: Geologic Period: Depositional Gen: Material 4:

Gsc Material Description:

Stratum Description: CLAY, BOULDERS. GREY.

Source

Source Type: **Data Survey** Source Appl: Spatial/Tabular

Source Orig: Geological Survey of Canada Source Iden: 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: 04504 NTS_Sheet:

Confiden 1:

Source List

Source Identifier: Horizontal Datum: NAD27

Data Survey Mean Average Sea Level Source Type: Vertical Datum: Source Date: 1956-1972 Universal Transverse Mercator Projection Name:

Scale or Resolution: Varies

Urban Geology Automated Information System (UGAIS) Source Name:

Source Originators: Geological Survey of Canada

107 1 of 1 S/732.3 79.9 / 0.00 lot 22 **WWIS** ON

Well ID: 1509609 Data Entry Status:

Construction Date: Data Src:

Primary Water Use: Domestic Date Received: 8/30/1968

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

Sec. Water Use: 0

Final Well Status: Water Supply

Water Type: Casing Material: Audit No:

Tag: **Construction Method:**

Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate:

Clear/Cloudy:

Selected Flag: Yes Abandonment Rec:

1301 Contractor: Form Version: 1

Owner: Street Name:

County: **OTTAWA**

Municipality: **GLOUCESTER TOWNSHIP**

80.819519

5011772

margin of error: 30 m - 100 m

Order No: 21011800277

18 444750.7

Site Info: 022

Lot: Concession: Concession Name: BF Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

Elevation:

Elevrc:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

Zone:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509609.pdf PDF URL (Map):

Bore Hole Information

Bore Hole ID: 10031641

DP2BR: 40 Spatial Status:

Code OB:

Code OB Desc: Bedrock

Open Hole:

Cluster Kind:

Date Completed: 8/20/1968

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931012560

Layer:

Color:

General Color:

Mat1: 18

SANDSTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 40 Formation End Depth: 57 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931012559

Layer: 1 Color: 2 General Color: **GREY** Mat1:

Most Common Material: CLAY Mat2: 13

Mat2 Desc: BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 40
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961509609Method Construction Code:1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10580211

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930055925

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 40
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930055927

Layer: 3 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 57
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930055926

Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From:

Depth To: 50
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Order No: 21011800277

Pump Test ID: 991509609

Pump Set At: Static Level:

6 8

Final Level After Pumping: 25 Recommended Pump Depth: Pumping Rate: 10 Flowing Rate:

Recommended Pump Rate: 10 Levels UOM: Rate UOM: **GPM** Water State After Test Code: **CLEAR** Water State After Test: Pumping Test Method:

Pumping Duration HR: Pumping Duration MIN: 0 No Flowing:

Water Details

Water ID: 933464485

Layer: 1 Kind Code: **FRESH** Kind. Water Found Depth: 55 Water Found Depth UOM: ft

NNE/732.4 90.0 / 10.07 680 RIVER ROAD 108 1 of 1 **WWIS**

Well ID: 7271905

Construction Date:

Primary Water Use: Monitoring and Test Hole

Sec. Water Use:

Final Well Status: Monitoring and Test Hole

Water Type: Casing Material:

Z233077 Audit No:

Tag: A190864 **Construction Method:**

Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N):

Flow Rate: Clear/Cloudy:

PDF URL (Map):

Ottawa ON

Data Entry Status:

Data Src: Date Received: 9/22/2016 Selected Flag: Yes

Abandonment Rec:

7241 Contractor: Form Version:

Owner:

Street Name: 680 RIVER ROAD

County: **OTTAWA GLOUCESTER TOWNSHIP** Municipality:

Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83:

UTM Reliability:

Zone:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/727\7271905.pdf

Bore Hole Information

1006251710 Elevation: 88.309265 Bore Hole ID:

DP2BR:

Elevrc: Spatial Status: Zone: 18 East83: 445005 Code OB: Code OB Desc: North83: 5013213 Open Hole: Org CS: UTM83 Cluster Kind: UTMRC:

Date Completed: 8/22/2016 **UTMRC Desc:** margin of error: 30 m - 100 m

wwr

Order No: 21011800277

Remarks: Location Method:

Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock Materials Interval

Formation ID: 1006338280

Layer: Color: 2 **GREY** General Color: 28 Mat1: Most Common Material: SAND Mat2: 06 Mat2 Desc: SILT Mat3: 11 **GRAVEL** Mat3 Desc: Formation Top Depth: 12.8 Formation End Depth: 14.63 Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1006338278

Layer: 6 Color: **BROWN** General Color: Mat1: 05 Most Common Material: CLAY 06 Mat2: Mat2 Desc: SILT Mat3: 28 SAND Mat3 Desc: Formation Top Depth: .31 Formation End Depth: 5.18 Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1006338279

Layer: 3 Color: General Color: **GREY** Mat1: 05 Most Common Material: CLAY 06 Mat2: Mat2 Desc: SILT Mat3: 12 **STONES** Mat3 Desc: Formation Top Depth: 5.18 Formation End Depth: 12.8 Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1006338277

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 02

 Most Common Material:
 TOPSOIL

Mat2:

Mat2 Desc:

 Mat3:
 77

 Mat3 Desc:
 LOOSE

 Formation Top Depth:
 0

 Formation End Depth:
 .31

 Formation End Depth UOM:
 m

Annular Space/Abandonment

Sealing Record

Plug ID: 1006338290

 Layer:
 3

 Plug From:
 11.28

 Plug To:
 14.63

 Plug Depth UOM:
 m

Annular Space/Abandonment

Sealing Record

Plug ID: 1006338289

 Layer:
 2

 Plug From:
 0.31

 Plug To:
 11.28

 Plug Depth UOM:
 m

Annular Space/Abandonment

Sealing Record

Plug ID: 1006338288

 Layer:
 1

 Plug From:
 0

 Plug To:
 0.31

 Plug Depth UOM:
 m

Method of Construction & Well

Use

Method Construction ID: 1006338287

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 1006338276

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1006338283

Layer: 1
Material: 5

 Open Hole or Material:
 PLASTIC

 Depth From:
 0

 Depth To:
 11.58

 Casing Diameter:
 4.03

 Casing Diameter UOM:
 cm

 Casing Depth UOM:
 m

Construction Record - Screen

Screen ID: 1006338284

Layer: 1 10 Slot: Screen Top Depth: 11.58 Screen End Depth: 14.63 Screen Material: 5 Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 4.82

Water Details

Water ID: 1006338282

Layer: Kind Code: Kind:

Water Found Depth:

Water Found Depth UOM: m

Hole Diameter

 Hole ID:
 1006338281

 Diameter:
 11.43

 Depth From:
 0

 Depth To:
 14.63

 Hole Depth UOM:
 m

 Hole Diameter UOM:
 cm

109 1 of 1 NNE/733.4 90.9 / 11.05 680 RIVER RD.
BARRHAVEN ON WWIS

Well ID: 7313065

Construction Date:

Primary Water Use: Test Hole
Sec. Water Use: Monitoring
Final Well Status: Abandoned-Other

Water Type:

Casing Material:

Audit No: Z281929 **Tag:**

Construction Method: Elevation (m): Elevation Reliability:

Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate: Static Water Level:

Flowing (Y/N): Flow Rate: Clear/Cloudy:

PDF URL (Map):

Data Entry Status:

Data Src:

Date Received: 6/19/2018
Selected Flag: Yes
Abandonment Rec:
Contractor: 7241
Form Version: 7

Owner: Street Na

Lot:

Street Name: 680 RIVER RD. County: OTTAWA

Municipality: GLOUCESTER TOWNSHIP Site Info:

Concession: Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

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

Zone:

East83:

North83:

Org CS:

18

445034 5013207

UTM83

Order No: 21011800277

wwr

Records

Bore Hole Information

Bore Hole ID:

Distance (m)

1007114018 Elevation: Elevrc:

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

UTMRC: 3/19/2018 UTMRC Desc: margin of error: 30 m - 100 m Date Completed:

Remarks: Location Method: Elevrc Desc:

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

Location Source Date:

Annular Space/Abandonment

Sealing Record

Plug ID: 1007275222

Layer:

Plug From: Plug To:

Plug Depth UOM: m

Method of Construction & Well

Use

1007275221 **Method Construction ID:**

Method Construction Code: Method Construction: Other Method Construction:

Pipe Information

Pipe ID: 1007275213

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1007275217

Layer: 1 Material: **PLASTIC**

Open Hole or Material: Depth From:

Depth To:

Casing Diameter: 4.03 Casing Diameter UOM: cm Casing Depth UOM: m

Construction Record - Screen

1007275218 Screen ID:

Layer: 10 Slot:

Screen Top Depth:

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

Screen End Depth: Screen Material: 5 Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 4.82

Water Details

Water ID: 1007275216

Layer: Kind Code: Kind:

Water Found Depth: Water Found Depth UOM: m

Hole Diameter

1007275215 Hole ID:

Diameter: 5.7 Depth From: Depth To: 1.86 Hole Depth UOM: m Hole Diameter UOM: cm

1 of 1 NE/734.8 88.9 / 9.03 671 RIVER RD 110 **WWIS** Ottawa ON

Well ID: 7290683 Data Entry Status:

Construction Date: Data Src:

7/19/2017 Primary Water Use: Test Hole Date Received: Sec. Water Use: Selected Flag: Yes

Final Well Status: **Observation Wells** Abandonment Rec: 7579 Water Type: Contractor:

Casing Material: Form Version: Audit No: Z261470 Owner:

A228339 671 RIVER RD Tag: Street Name: **Construction Method: OTTAWA** County:

Elevation (m): Municipality: **NEPEAN TOWNSHIP** Elevation Reliability: Site Info: Depth to Bedrock: Lot:

Well Depth: Concession: Overburden/Bedrock: Concession Name: Pump Rate: Easting NAD83: Northing NAD83: Static Water Level: Flowing (Y/N): Zone:

UTM Reliability: Flow Rate:

Clear/Cloudy:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/729\7290683.pdf PDF URL (Map):

Bore Hole Information

Bore Hole ID: 1006636080 Elevation: 88.143791

DP2BR: Elevrc:

Spatial Status: Zone: 18 Code OB: East83: 445185 5013150 Code OB Desc: North83: Open Hole: Org CS: UTM83 Cluster Kind: UTMRC:

Date Completed: 7/6/2017 **UTMRC Desc:** margin of error: 100 m - 300 m

Order No: 21011800277

Remarks: Location Method: wwr

Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock Materials Interval

Formation ID: 1006701146

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2:

Mat2 Desc:

Mat3:05Mat3 Desc:CLAYFormation Top Depth:8Formation End Depth:20Formation End Depth UOM:ft

Overburden and Bedrock

Materials Interval

Formation ID: 1006701145

Layer: 1 **Color:** 6

General Color: **BROWN** Mat1: 28 SAND Most Common Material: Mat2: 06 Mat2 Desc: SILT Mat3: 01 **FILL** Mat3 Desc: Formation Top Depth: 0 Formation End Depth: 8 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1006701154

 Layer:
 2

 Plug From:
 10

 Plug To:
 20

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1006701153

 Layer:
 1

 Plug From:
 0

 Plug To:
 10

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1006701152

Method Construction Code: Method Construction:

Other Method Construction:

Boring

Pipe Information

Pipe ID: 1006701144

Casing No: Comment: Alt Name:

Construction Record - Casing

1006701149 Casing ID:

Layer: Material: 5

Open Hole or Material: **PLASTIC** Depth From: 0 Depth To: 10 Casing Diameter: 2 Casing Diameter UOM: inch Casing Depth UOM:

Construction Record - Screen

1006701150 Screen ID:

Layer:

Slot: 10 Screen Top Depth: Screen End Depth: 20 Screen Material: 5

Screen Depth UOM: ft Screen Diameter UOM: inch Screen Diameter: 2

Water Details

Water ID: 1006701148

Layer: Kind Code: Kind:

Water Found Depth:

Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006701147 Diameter: 3.625 Depth From: 0 Depth To: 20 Hole Depth UOM: ft Hole Diameter UOM: inch

111 1 of 1 NNW/736.2 80.7 / 0.87 **BORE** ON

612061 Borehole ID: Inclin FLG: No

OGF ID: 215513371 SP Status: Initial Entry Status: Surv Elev: No

Type: Borehole Piezometer: No

Use: Primary Name:

Completion Date: Municipality:

Static Water Level: 8.2 Lot:

Primary Water Use: Township:

 Sec. Water Use:
 Latitude DD:
 45.270136

 Total Depth m:
 -999
 Longitude DD:
 -75.705844

 Depth Ref:
 Ground Surface
 UTM Zone:
 18

Depth Elev: Easting: 444631

Drill Method: Northing: 5013202

Drill Method:Northing:5013202Orig Ground Elev m:83.8Location Accuracy:

Elev Reliabil Note:Accuracy:Not ApplicableDEM Ground Elev m:82.2

Concession: Location D: Survey D: Comments:

Borehole Geology Stratum

Geology Stratum ID: 218389950 Mat Consistency:
Top Depth: 3 Material Moisture:
Bottom Depth: 15.2 Material Texture:
Material Color: Non Geo Mat Type:
Material 1: Sand Geologic Formation

Material 1:SandGeologic Formation:Material 2:BouldersGeologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: SAND,BOULDERS.

Geology Stratum ID: 218389953 Mat Consistency: Top Depth: 19.8 Material Moisture: Bottom Depth: 21.9 Material Texture: Material Color: Non Geo Mat Type: Material 1: Clay Geologic Formation: Material 2: Geologic Group:

Material 1:ClayGeologic FormationMaterial 2:Geologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: CLAY.

218389951 Geology Stratum ID: Mat Consistency: Top Depth: 15.2 Material Moisture: **Bottom Depth:** 18.3 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. WATER STABLE AT 248.0 FEET.

218389949 Geology Stratum ID: Mat Consistency: Top Depth: 0 Material Moisture: 3 **Bottom Depth:** Material Texture: Material Color: Non Geo Mat Type: Material 1: Clay Geologic Formation: Material 2: Boulders Geologic Group:

Material 3: Geologic Period:
Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: CLAY, BOULDERS.

Geology Stratum ID:218389954Mat Consistency:Top Depth:21.9Material Moisture:Bottom Depth:Material Texture:

Elev/Diff DΒ Map Key Number of Direction/ Site

Records Distance (m) (m)

Brown Material Color: Non Geo Mat Type: Material 1: Bedrock Geologic Formation: Sandstone Material 2: Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: BEDROCK, SANDSTONE. 15000. BEDROCK. SEISMIC VELOCITY = 17000. 200135076 BROWN, GREY, S

**Note: Many records provided by the department have a truncated [Stratum Description] field.

218389952 Geology Stratum ID: Mat Consistency: Top Depth: 18.3 Material Moisture: **Bottom Depth:** 19.8 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.

Source

Source Type: Data Survey Spatial/Tabular Source Appl:

Source Orig: Geological Survey of Canada Source Iden: Source Date: 1956-1972 Scale or Res: Varies Confidence: Horizontal: NAD27 M

Observatio: Mean Average Sea Level Verticalda:

Urban Geology Automated Information System (UGAIS) Source Name:

File: OTTAWA1.txt RecordID: 045690 NTS_Sheet: 31G05B Source Details:

Confiden 1: Reliable information but incomplete.

Source List

Source Identifier: NAD27 Horizontal Datum:

Source Type: **Data Survey** Vertical Datum: Mean Average Sea Level Source Date: 1956-1972 Projection Name: Universal Transverse Mercator

Scale or Resolution: Varies

Urban Geology Automated Information System (UGAIS) Source Name:

Geological Survey of Canada Source Originators:

112 1 of 5 NE/736.9 87.9 / 8.03 **CP REIT Ontario Properties Limited**

647 Earl Armstrong Road Ottawa K1V 2G2 CITY

EBR

Order No: 21011800277

OF OTTAWA

ON

EBR Registry No: 012-8403 **Decision Posted:** Ministry Ref No: 8286-ABLKLF Exception Posted:

Notice Type: Instrument Decision Section: 848864204 Notice Stage: Act 1: Notice Date: December 07, 2016 Act 2:

Proposal Date: August 16, 2016 Site Location Map:

2016 Year:

(EPA Part II.1-sewage) - Environmental Compliance Approval (project type: sewage) Instrument Type:

Off Instrument Name:

Posted By:

CP REIT Ontario Properties Limited Company Name:

Site Address: Location Other: Proponent Name:

Proponent Address: 22 St. Clair avenue East , 500, Toronto Ontario, Canada M4T 2Z5

Comment Period:

URL:

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

Site Location Details:

647 Earl Armstrong Road Ottawa K1V 2G2 CITY OF OTTAWA

112 2 of 5 NE/736.9 87.9 / 8.03 CP REIT Ontario Properties Limited

647 Earl Armstrong Rd

ECA

ECA

Order No: 21011800277

Ottawa ON M4T 2Z5

Approval No: 8598-AF2Q6P **MOE District:** Ottawa Approval Date:

2016-12-02 City:

Status: Revoked and/or Replaced Longitude: -75.69273 **ECA** 45.270903999999994

Record Type: Latitude: Link Source: IDS Geometry X: SWP Area Name: Rideau Valley Geometry Y: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Approval Type:

MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: Address: 647 Earl Armstrong Rd

Full Address:

https://www.accessenvironment.ene.gov.on.ca/instruments/8286-ABLKLF-14.pdf **Full PDF Link:**

3 of 5 NE/736.9 87.9 / 8.03 m.ali pharmacy services corp 112 **GEN**

647 earl armstrong road Ottawa ON K1V 2G2

Generator No: ON9516744 Status: Registered

Approval Years: As of Dec 2018

Contam. Facility: MHSW Facility: SIC Code: SIC Description:

PO Box No: Country: Canada

Choice of Contact: Co Admin: Phone No Admin:

Detail(s)

Waste Class: 261 A

Waste Class Desc: **Pharmaceuticals**

Waste Class: 312 P

Waste Class Desc: Pathological wastes

4 of 5 NE/736.9 87.9 / 8.03 **CP REIT Ontario Properties Limited** 112

647 Earl Armstrong Rd

Ottawa ON M4T 2Z5

0496-B6CQGU Approval No: **MOE District:** Ottawa

2018-12-17 Approval Date: City:

Approved Status: Longitude: -75.69273

Record Type: **ECA** Latitude: 45.270903999999994

Link Source: IDS Geometry X: SWP Area Name: Rideau Valley Geometry Y: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Approval Type: Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS

Address: 647 Earl Armstrong Rd

Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5964-AXWJV6-14.pdf

NE/736.9 87.9 / 8.03 m.ali pharmacy services corp 112 5 of 5 **GEN** 647 earl armstrong road

Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

Ottawa ON K1V 2G2

Generator No: ON9516744
Status: Registered
Approval Years: As of Jul 2020

Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description: PO Box No: Country:

Choice of Contact: Co Admin: Phone No Admin: Canada

Order No: 21011800277

Detail(s)

Waste Class: 261 A

Waste Class Desc: Pharmaceuticals

Waste Class: 312 P

Waste Class Desc: Pathological wastes

113 1 of 1 W/738.9 91.6 / 11.69 lot 11 con 2 ON WWIS

Well ID: 1505956 Data Entry Status:

Construction Date: Data Src:

Primary Water Use: Domestic Date Received: 11/30/1965

Sec. Water Use: 0 Selected Flag: Yes

Final Well Status:Water SupplyAbandonment Rec:Water Type:Contractor:1503

Water Type: Contractor:
Casing Material: Form Version:
Audit No: Owner:
Tag: Street Name:

 Construction Method:
 County:
 OTTAWA

 Elevation (m):
 Municipality:
 NEPEAN TOWNSHIP

Elevation Reliability:

Depth to Bedrock:

Lot:

011

Well Depth: Concession: 02
Overburden/Bedrock: Concession Name: RF
Pump Rate: Easting NAD83:

Static Water Level:

Flowing (Y/N):

Northing NAD83:
Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1505956.pdf

Bore Hole Information

Bore Hole ID: 10027999 **Elevation:** 93.02108

DP2BR: 59 **Elevrc**:

 Spatial Status:
 Zone:
 18

 Code OB:
 r
 East83:
 444110.7

 Code OB Desc:
 Bedrock
 North83:
 5012572

 Open Hole:
 Org CS:

 Cluster Kind:
 UTMRC:
 5

Date Completed: 8/12/1965 UTMRC Desc: margin of error: 100 m - 300 m

Remarks: Location Method: p5

Elevrc Desc:
Location Source Date:

Improvement Location Source:

Source Revision Comment: Supplier Comment:

Improvement Location Method:

Overburden and Bedrock

Materials Interval

Formation ID: 931003407

Layer:

Color:

General Color:

Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 59
Formation End Depth: 110
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931003406

Layer: Color:

General Color:

Mat1: 14

Most Common Material: HARDPAN

Mat2: 13

Mat2 Desc: BOULDERS

Mat3:

Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 59
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961505956

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10576569

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930048754

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:110Casing Diameter:5Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930048753

Layer: Material: Open Hole or Material: STEEL

Depth From:

Depth To: 65 Casing Diameter: 5 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991505956

Pump Set At:

40 Static Level: Final Level After Pumping: 55 75 Recommended Pump Depth: Pumping Rate: 8 Flowing Rate: Recommended Pump Rate: 5 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: Water State After Test: **CLOUDY** Pumping Test Method: **Pumping Duration HR:** 1 **Pumping Duration MIN:** 0 Flowing: No

Water Details

Water ID: 933459995

Layer: Kind Code: **FRESH** Kind: 108

Water Found Depth: Water Found Depth UOM:

88.2 / 8.37 680 RIVER RD. 114 1 of 1 NNE/739.7 **WWIS** BARRHAVEN ON

Well ID: 7313163

Construction Date:

Primary Water Use: Test Hole Sec. Water Use: Monitoring Final Well Status: Abandoned-Other

Water Type: Casing Material:

Audit No: Z281927

Tag: **Construction Method:**

Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate:

Data Entry Status: Data Src:

6/19/2018 Date Received: Selected Flag: Yes Abandonment Rec: Yes Contractor: 7241 Form Version: 7

Owner:

Street Name: 680 RIVER RD. County: **OTTAWA GLOUCESTER TOWNSHIP**

Municipality: Site Info: Lot:

Concession: Concession Name: Easting NAD83: Northing NAD83: Zone:

UTM Reliability:

Clear/Cloudy:

PDF URL (Map):

Bore Hole Information

 Bore Hole ID:
 1007114782
 Elevation:

 DP2BR:
 Elevrc:

Date Completed: 3/19/2018 UTMRC Desc: margin of error : 30 m - 100 m

Remarks: Location Method: wwr Elevro Desc:

Source Revision Comment: Supplier Comment:

Location Source Date: Improvement Location Source: Improvement Location Method:

Annular Space/Abandonment

Sealing Record

Plug ID: 1007275765

 Layer:
 1

 Plug From:
 0

 Plug To:
 14.32

 Plug Depth UOM:
 m

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1007275764

Method Construction Code: Method Construction: Other Method Construction:

Pipe Information

Pipe ID: 1007275756

Casing No: 0
Comment:

Alt Name:

Construction Record - Casing

Casing ID: 1007275760

Layer: 1
Material: 5

Open Hole or Material: PLASTIC

Depth From:

Depth To:

Casing Diameter: 4.03
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1007275761

Layer: 1 **Slot:** 10

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

Screen Top Depth: Screen End Depth: 5 Screen Material: Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 4.82

Water Details

Water ID: 1007275759

Layer: Kind Code: Kind:

Water Found Depth:

Water Found Depth UOM: m

Hole Diameter

Hole ID: 1007275758

Diameter: Depth From: Depth To:

Hole Depth UOM: m Hole Diameter UOM: cm

115 1 of 1 NE/741.0 88.9 / 9.00 671 RIVER RD **WWIS** Ottawa ON

Well ID: 7237541 Construction Date:

Primary Water Use: Monitoring and Test Hole

Sec. Water Use: Final Well Status: Test Hole

Water Type: Casing Material:

Audit No: Z195929 A170556 Tag:

Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock:

Well Depth: Overburden/Bedrock: Pump Rate:

Static Water Level: Flowing (Y/N):

Flow Rate: Clear/Cloudy:

PDF URL (Map):

Data Entry Status:

Data Src:

Date Received: 2/16/2015 Selected Flag: Yes

Abandonment Rec:

Contractor: 7241 Form Version:

Owner: Street Name: 671 RIVER RD

County: **OTTAWA GLOUCESTER TOWNSHIP** Municipality: Site Info:

88.103469

Order No: 21011800277

Lot: Concession: Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

Bore Hole Information

1005307400 Elevation: Bore Hole ID:

DP2BR:

Elevrc: Spatial Status: Zone: 18 445185 Code OB: East83: Code OB Desc: North83: 5013157 Open Hole: Org CS: UTM83 Cluster Kind: **UTMRC**:

Date Completed: 1/8/2015 UTMRC Desc: margin of error: 30 m - 100 m

Remarks: Location Method:

Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

Formation ID: 1005525804

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 11

 Most Common Material:
 GRAVEL

 Mat2:
 28

 Mat2 Desc:
 SAND

 Mat3:
 85

Mat3 Desc:SOFTFormation Top Depth:0Formation End Depth:.61Formation End Depth UOM:m

Overburden and Bedrock

Materials Interval

Formation ID: 1005525806

 Layer:
 3

 Color:
 6

 General Color:
 BROWN

 Mat1:
 06

 Most Common Material:
 SILT

 Mat2:
 08

 Mat2 Desc:
 FINE SAND

 Mat3:
 85

 Mat3 Desc:
 SOFT

 Formation Top Depth:
 2.44

 Formation End Depth:
 4.57

Formation End Depth: 4.5
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1005525805

Layer: 2
Color: 6

 General Color:
 BROWN

 Mat1:
 06

 Most Common Material:
 SILT

 Mat2:
 08

Mat2 Desc:FINE SANDMat3:85Mat3 Desc:SOFTFormation Top Depth:.61Formation End Depth:2.44Formation End Depth UOM:m

Annular Space/Abandonment

Sealing Record

Plug ID: 1005525815

 Layer:
 2

 Plug From:
 0.31

 Plug To:
 1.22

 Plug Depth UOM:
 m

Annular Space/Abandonment

Sealing Record

Plug ID: 1005525814

 Layer:
 1

 Plug From:
 0

 Plug To:
 0.31

 Plug Depth UOM:
 m

Annular Space/Abandonment

Sealing Record

Plug ID: 1005525816

 Layer:
 3

 Plug From:
 1.22

 Plug To:
 4.57

 Plug Depth UOM:
 m

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1005525813

Method Construction Code:

Method Construction: Direct Push

Other Method Construction:

Pipe Information

Pipe ID: 1005525803

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1005525809

Layer:

Material:

Open Hole or Material:PLASTICDepth From:0Depth To:1.5Casing Diameter:4.03Casing Diameter UOM:cmCasing Depth UOM:m

Construction Record - Screen

Screen ID: 1005525810

 Layer:
 1

 Slot:
 10

 Screen Top Depth:
 1.5

 Screen End Depth:
 4.57

 Screen Material:
 5

 Screen Depth UOM:
 m

 Screen Diameter UOM:
 cm

 Screen Diameter:
 4.82

Water Details

Water ID: 1005525808

Layer: Kind Code: Kind:

Water Found Depth: Water Found Depth UOM: m

Hole Diameter

Hole ID: 1005525807 Diameter: 8.25 Depth From: Depth To: 4.57 Hole Depth UOM: m Hole Diameter UOM: cm

1 of 1 NE/742.0 88.9 / 9.00 761 RIVER RD. 116 **WWIS** OTTAWA ON

7253976 Well ID:

Construction Date: Primary Water Use: Monitoring and Test Hole

Sec. Water Use:

Final Well Status: **Observation Wells**

Water Type: Casing Material:

Audit No: Z214890

A175528 Tag:

Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate:

Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

PDF URL (Map):

Data Entry Status:

Data Src:

Date Received: 12/10/2015

Selected Flag: Yes

Abandonment Rec:

Contractor: 7241 Form Version:

Owner:

Street Name: 761 RIVER RD. **OTTAWA** County:

GLOUCESTER TOWNSHIP Municipality:

Site Info: Lot: Concession:

Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

Bore Hole Information

Bore Hole ID: 1005833195

DP2BR:

Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 11/17/2015

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Elevation: 88.102363

Elevrc:

Zone: 18 East83: 445187 5013157 North83: Org CS: UTM83

UTMRC:

UTMRC Desc: margin of error: 30 m - 100 m

Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1005877118

Layer: 2
Color: 6

BROWN General Color: Mat1: 05 Most Common Material: CLAY 81 Mat2: Mat2 Desc: SANDY Mat3: 85 Mat3 Desc: **SOFT** Formation Top Depth: .61 Formation End Depth: 3.1 Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1005877119

Layer: 3 **Color:** 6

General Color: **BROWN** Mat1: 05 Most Common Material: CLAY Mat2: 06 Mat2 Desc: SILT Mat3: 85 Mat3 Desc: SOFT Formation Top Depth: 3.1

Formation Top Depth: 3.1
Formation End Depth: 4.57
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1005877117

 Layer:
 1

 Color:
 8

 General Color:
 BLACK

 Mat1:
 11

 Most Common Material:
 GRAVEL

 Mat2:
 77

 Mat2 Desc:
 LOOSE

Mat3:

Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: .61
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1005877120

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 06

 Mat2 Desc:
 SILT

 Mat3:
 85

 Mat3 Desc:
 SOFT

 Formation Top Depth:
 4.57

 Formation End Depth:
 7.01

 Formation End Depth UOM:
 m

Annular Space/Abandonment

Sealing Record

Plug ID: 1005877129

 Layer:
 2

 Plug From:
 0.31

 Plug To:
 3.35

 Plug Depth UOM:
 m

Annular Space/Abandonment

Sealing Record

Plug ID: 1005877128

 Layer:
 1

 Plug From:
 0

 Plug To:
 0.31

 Plug Depth UOM:
 m

Annular Space/Abandonment

Sealing Record

Plug ID: 1005877130

 Layer:
 3

 Plug From:
 3.35

 Plug To:
 7.01

 Plug Depth UOM:
 m

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1005877127

Method Construction Code:

Method Construction: Direct Push

Other Method Construction:

Pipe Information

Pipe ID: 1005877116

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1005877123

Layer: 1
Material: 5
Open Hole or Material: PLASTIC

 Depth From:
 0

 Depth To:
 3.96

 Casing Diameter:
 5.2

 Casing Diameter UOM:
 cm

 Casing Depth UOM:
 m

Construction Record - Screen

Screen ID: 1005877124

 Layer:
 1

 Slot:
 10

 Screen Top Depth:
 3.96

 Screen End Depth:
 7.01

 Screen Material:
 5

 Screen Depth UOM:
 m

 Screen Diameter UOM:
 cm

 Screen Diameter:
 6.03

Water Details

Water ID: 1005877122

Layer: Kind Code: Kind:

Water Found Depth:
Water Found Depth UOM:

Hole Diameter

 Hole ID:
 1005877121

 Diameter:
 15.24

 Depth From:
 0

 Depth To:
 7.01

 Hole Depth UOM:
 m

 Hole Diameter UOM:
 cm

117 1 of 1 SW/745.3 80.9 / 1.00 Nortel Networks Corporation

Part of Lots 9 & 10, Conc. 1, Carling Lab. #10

45.2579

ECA

Order No: 21011800277

Ottawa ON K2H 8E9

Geometry Y:

Approval No: 7118-4T2UT4 MOE District: Ottawa

Approval Date: 2001-01-18 **City:**

Status: Approved **Longitude:** -75.70750000000001

 Record Type:
 ECA
 Latitude:

 Link Source:
 IDS
 Geometry X:

Link Source: IDS
SWP Area Name: Rideau Valley
Approval Type: ECA-AIR

Approval Type: ECA-AIF
Project Type: AIR

Address: Part of Lots 9 & 10, Conc. 1, Carling Lab. #10

Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5686-4RJNJ4-14.pdf

118 1 of 1 NE/746.8 89.0 / 9.15 761 RIVER RD. OTTAWA ON WWIS

Well ID: 7253975 Data Entry Status:

Construction Date: Data Src:

Primary Water Use: Monitoring and Test Hole Date Received: 12/10/2015

Sec. Water Use: 0 Selected Flag: Yes

Final Well Status:Observation WellsAbandonment Rec:Water Type:Contractor:7241

Casing Material:Form Version:7Audit No:Z214889Owner:

Tag:A175529Street Name:761 RIVER RD.Construction Method:County:OTTAWA

Elevation (m): Municipality: GLOUCESTER TOWNSHIP

Elevation Reliability: Site Info:

Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate:

Static Water Level: Flowing (Y/N):

Flow Rate: Clear/Cloudy:

PDF URL (Map):

Lot:

Concession: Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

Bore Hole Information

Bore Hole ID: 1005833192

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 11/17/2015

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Elevation: 88.121719

Elevrc:

Zone: 18
East83: 445203
North83: 5013154
Org CS: UTM83
UTMRC: 4

UTMRC Desc: margin of error : 30 m - 100 m

Order No: 21011800277

Location Method: wwr

Overburden and Bedrock

Materials Interval

Formation ID: 1005877103

Layer: 2 **Color:** 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 81

 Mat2 Desc:
 SANDY

Mat2 Desc:SANDMat3:85Mat3 Desc:SOFTFormation Top Depth:.61Formation End Depth:3.1Formation End Depth UOM:m

Overburden and Bedrock

Materials Interval

Formation ID: 1005877102

 Layer:
 1

 Color:
 8

 General Color:
 BLACK

 Mat1:
 11

 Most Common Material:
 GRAVEL

 Mat2:
 77

 Mat2 Desc:
 LOOSE

Mat3:

Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: .61
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1005877104

Layer: Color: 6 General Color: **BROWN** 05 Mat1: Most Common Material: CLAY Mat2: 06 SILT Mat2 Desc: Mat3: 85 SOFT Mat3 Desc: Formation Top Depth: 3.1

4.57

m

Overburden and Bedrock

Formation End Depth UOM:

Formation End Depth:

Materials Interval

Formation ID: 1005877105

Layer: Color: 2 **GREY** General Color: Mat1: 05 Most Common Material: CLAY Mat2: 06 Mat2 Desc: SILT Mat3: 85 Mat3 Desc: SOFT Formation Top Depth: 4.57 7.01 Formation End Depth: Formation End Depth UOM:

Annular Space/Abandonment

Sealing Record

Plug ID: 1005877113

 Layer:
 1

 Plug From:
 0

 Plug To:
 0.31

 Plug Depth UOM:
 m

Annular Space/Abandonment

Sealing Record

Plug ID: 1005877115

 Layer:
 3

 Plug From:
 3.35

 Plug To:
 7.01

 Plug Depth UOM:
 m

Annular Space/Abandonment

Sealing Record

Plug ID: 1005877114

 Layer:
 2

 Plug From:
 0.31

 Plug To:
 3.35

 Plug Depth UOM:
 m

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1005877112

Method Construction Code: D

Method Construction: Direct Push

Other Method Construction:

Pipe Information

Pipe ID: 1005877101

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1005877108

Layer: 1 Material: 5

Open Hole or Material: PLASTIC

 Depth From:
 0

 Depth To:
 3.96

 Casing Diameter:
 5.2

 Casing Diameter UOM:
 cm

 Casing Depth UOM:
 m

Construction Record - Screen

Screen ID: 1005877109

 Layer:
 1

 Slot:
 10

 Screen Top Depth:
 3.96

 Screen End Depth:
 7.01

 Screen Material:
 5

 Screen Depth UOM:
 m

 Screen Diameter UOM:
 cm

 Screen Diameter:
 6.03

Water Details

Water ID: 1005877107

Layer: Kind Code:

Kind:

Water Found Depth:
Water Found Depth UOM:

Hole Diameter

 Hole ID:
 1005877106

 Diameter:
 15.24

 Depth From:
 0

 Depth To:
 7.01

 Hole Depth UOM:
 m

 Hole Diameter UOM:
 cm

119 1 of 1 W/752.9 91.9 / 12.03 lot 11 con 2

Well ID: 1505938 Data Entry Status:

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

Construction Date:

Primary Water Use: **Domestic**

Sec. Water Use: 0 Final Well Status:

Water Supply

Water Type: Casing Material:

Audit No: Tag:

Construction Method:

Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate:

Static Water Level: Flowing (Y/N):

Flow Rate: Clear/Cloudy: Data Src:

Date Received: 5/26/1953 Selected Flag: Yes

Abandonment Rec:

Contractor: 3601 Form Version:

Owner: Street Name:

OTTAWA County: **NEPEAN TOWNSHIP**

Municipality:

Site Info: Lot: 011 02 Concession: Concession Name: RF

Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1505938.pdf PDF URL (Map):

Bore Hole Information

Bore Hole ID: 10027981

DP2BR: 43

Spatial Status: Code OB:

Code OB Desc: Bedrock

Open Hole:

Cluster Kind:

Date Completed: 4/4/1953

Remarks: Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: **Source Revision Comment:**

Supplier Comment:

Elevation: 93.199584

Elevrc:

Zone: 18

444095.7 East83: North83: 5012562

Org CS:

UTMRC: UTMRC Desc:

unknown UTM

Order No: 21011800277

Location Method:

Overburden and Bedrock

Materials Interval

Formation ID: 931003363

Layer:

Color: General Color:

Mat1: 13

BOULDERS Most Common Material:

Mat2: 05

Mat2 Desc: CLAY

Mat3: Mat3 Desc:

0 Formation Top Depth: Formation End Depth: 20 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

931003365 Formation ID:

3 Layer: Color: 3

General Color: BLUE Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 43
Formation End Depth: 75
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931003364

 Layer:
 2

 Color:
 3

 General Color:
 BLUE

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 20 Formation End Depth: 43 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961505938

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10576551

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930048716

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Casing Depth UOM:

Depth To: 45
Casing Diameter: 4
Casing Diameter UOM: inch

Construction Record - Casing

Casing ID: 930048717

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Order No: 21011800277

ft

DB Map Key Number of Direction/ Elev/Diff Site Records Distance (m) (m) 75 Depth To: Casing Diameter: Casing Diameter UOM: inch Casing Depth UOM: ft Results of Well Yield Testing 991505938 Pump Test ID: Pump Set At: Static Level: 15 15 Final Level After Pumping: Recommended Pump Depth: Pumping Rate: 15 Flowing Rate: Recommended Pump Rate: Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: 0 **Pumping Duration HR:** Pumping Duration MIN: 30 Flowing: No Water Details Water ID: 933459971 Layer: Kind Code: **FRESH** Kind: Water Found Depth: 70 Water Found Depth UOM: ft 120 1 of 1 W/752.9 91.9 / 12.03 **BORE** ON Borehole ID: 612034 Inclin FLG: No OGF ID: 215513344 SP Status: Initial Entry Status: Surv Elev: Nο Type: Borehole Piezometer: No Use: Primary Name: Completion Date: APR-1953 Municipality: Static Water Level: Lot: Primary Water Use: Township: Sec. Water Use: Latitude DD: 45.264333 Total Depth m: 22.9 Longitude DD: -75.712592 Depth Ref: **Ground Surface** UTM Zone: 18 444096 Depth Elev: Easting: Drill Method: Northing: 5012562 Orig Ground Elev m: 91.4 Location Accuracy: Elev Reliabil Note: Accuracy: Not Applicable 93.2 DEM Ground Elev m: Concession: Location D:

Order No: 21011800277

Borehole Geology Stratum

Geology Stratum ID:218389872Mat Consistency:Top Depth:6.1Material Moisture:Bottom Depth:13.1Material Texture:

Survey D: Comments:

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

Blue Non Geo Mat Type: Material Color: Material 1: Geologic Formation: Clay Material 2: Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: CLAY. BLUE.

Geology Stratum ID: 218389873 Mat Consistency: Top Depth: 13.1 Material Moisture: **Bottom Depth:** 22 9 Material Texture: Material Color: Blue 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. BLUE. 00070.0 FEET.NE. GREY. 0006400122LIMESTONE. 0223BEDROCK. S **Note: Many

records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 218389871 Mat Consistency: Top Depth: Material Moisture: **Bottom Depth:** 6.1 Material Texture: Material Color: Non Geo Mat Type:

Material 1: **Boulders** Geologic Formation: Material 2: Geologic Group: Clay Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: BOULDERS, CLAY.

Source

Data Survey Source Appl: Spatial/Tabular Source Type:

Source Orig: Geological Survey of Canada Source Iden: Source Date: Varies 1956-1972 Scale or Res: Confidence: Horizontal: NAD27

Mean Average Sea Level Observatio: Verticalda:

Source Name: Urban Geology Automated Information System (UGAIS) Source Details: File: OTTAWA1.txt RecordID: 04542 NTS_Sheet:

Confiden 1:

Source List

Source Identifier: Horizontal Datum: NAD27

Vertical Datum: Source Type: **Data Survey** Mean Average Sea Level 1956-1972 Universal Transverse Mercator Source Date: Projection Name:

Scale or Resolution: Varies

Urban Geology Automated Information System (UGAIS) Source Name:

Source Originators: Geological Survey of Canada

3566 WOODROOFE lot 11 con 2 121 1 of 1 W/754.1 90.9 / 10.97 **WWIS**

Form Version:

3

Order No: 21011800277

NEPEAN ON

1534663 Data Entry Status: **Construction Date:** Data Src:

Not Used Date Received: 6/10/2004

Primary Water Use: Sec. Water Use: Selected Flag: Yes Final Well Status: Test Hole Abandonment Rec: Water Type: Contractor: 1119

Casing Material: Audit No: Z04886 Owner:

3566 WOODROOFE A004736 Tag: Street Name:

Well ID:

Construction Method: County: OTTAWA

Elevation (m): Municipality: NEPEAN TOWNSHIP

Elevation Reliability:

Depth to Bedrock:

Lot:

011

 Well Depth:
 Concession:
 02

 Overburden/Bedrock:
 Concession Name:

 Pump Rate:
 Easting NAD83:

Static Water Level:

Flowing (Y/N):

Northing NAD83:
Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1534663.pdf

Bore Hole Information

Bore Hole ID: 11104929 **Elevation:** 91.932167

DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 0
 East83:
 444100

 Code OB:
 0
 East83:
 5042387

 Code OB Desc:
 Overburden
 North83:
 5012387

 Open Hole:
 Org CS:
 UTM83

 Cluster Kind:
 UTMRC:
 5

Date Completed: 3/23/2004 UTMRC Desc: margin of error: 100 m - 300 m

Remarks: Location Method: www

Elevrc Desc: Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 932955305

Layer: 1

Color: General Color:

Mat1: 05

Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 1.8
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 932955306

Layer: 2

Color:

General Color:

Mat1: 28
Most Common Material: SAND

Mat2: 01

Mat2 Desc: FILL

Mat3: Mat3 Desc:

Formation Top Depth: 1.8

Formation End Depth: 15.2
Formation End Depth UOM: m

Annular Space/Abandonment

Sealing Record

Plug ID: 933248769

 Layer:
 1

 Plug From:
 0

 Plug To:
 10.7

 Plug Depth UOM:
 m

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933248770

 Layer:
 2

 Plug From:
 10.7

 Plug To:
 11.9

 Plug Depth UOM:
 m

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961534663

Method Construction Code:

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

 Pipe ID:
 11109464

 Casing No:
 1

Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930837469

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 .91

 Depth To:
 12.5

 Casing Diameter:
 30.5

 Casing Diameter UOM:
 cm

 Casing Depth UOM:
 m

Construction Record - Casing

Casing ID: 930837470

Layer: 2 Material: 5

Open Hole or Material:PLASTICDepth From:.61

Depth From: .61
Depth To: 12.8
Casing Diameter: 21.9
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 933407770

 Layer:
 1

 Slot:
 025

 Screen Top Depth:
 12.8

 Screen End Depth:
 15.2

 Screen Material:
 5

 Screen Depth UOM:
 m

 Screen Diameter UOM:
 cm

 Screen Diameter:
 21.9

Results of Well Yield Testing

Pump Test ID: 11117439

Pump Set At: Static Level:

Final Level After Pumping: 12.8

Recommended Pump Depth:

Pumping Rate: Flowing Rate:

Recommended Pump Rate:

Levels UOM: m Rate UOM: LPM

Water State After Test Code: Water State After Test:

Pumping Test Method:1Pumping Duration HR:2Pumping Duration MIN:43

Flowing:

Water Details

Water ID: 934046465

Layer: 1 Kind Code: 5

Kind: Not stated
Water Found Depth: 12.8
Water Found Depth UOM: m

Water Details

Water ID: 934046466

Layer: 2 Kind Code: 5

Kind: Not stated
Water Found Depth: 15.2
Water Found Depth UOM: m

Hole Diameter

 Hole ID:
 11109463

 Diameter:
 38.1

 Depth From:
 0

 Depth To:
 15.2

 Hole Depth UOM:
 m

 Hole Diameter UOM:
 cm

122 1 of 1 SW/765.4 84.2 / 4.36 lot 9 con 2 WWIS

Well ID: 1504657 Data Entry Status:

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

Construction Date:

Primary Water Use: **Domestic**

Sec. Water Use: 0

Water Supply

Final Well Status: Water Type:

Casing Material: Audit No: Tag:

Construction Method:

Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth:

Overburden/Bedrock:

Pump Rate: Static Water Level: Flowing (Y/N):

Flow Rate: Clear/Cloudy: Data Src:

Date Received: 10/21/1957 Yes

Selected Flag:

Abandonment Rec:

Contractor: 3002 Form Version:

Owner: Street Name:

OTTAWA County: **NEPEAN TOWNSHIP**

Municipality:

Site Info: Lot:

009 02 Concession: Concession Name: RF

Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504657.pdf PDF URL (Map):

Bore Hole Information

Bore Hole ID: 10026700

45

DP2BR: Spatial Status:

Code OB:

Code OB Desc: Bedrock

Open Hole:

Cluster Kind:

Date Completed: 8/17/1957

Remarks: Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: **Source Revision Comment:**

Supplier Comment:

Elevation: 89.163703

Elevrc:

Zone: 18

444405.7 East83: North83: 5011872

Org CS:

UTMRC:

UTMRC Desc: margin of error: 100 m - 300 m

Order No: 21011800277

Location Method:

Overburden and Bedrock

Materials Interval

Formation ID: 931000078

Layer:

Color: General Color:

Mat1:

MEDIUM SAND Most Common Material:

Mat2: 11 Mat2 Desc:

GRAVEL Mat3: 13 Mat3 Desc: **BOULDERS**

Formation Top Depth: 0 Formation End Depth: 45 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931000079 Formation ID:

2 Layer: Color: 2

General Color: **GREY** Mat1: 15

LIMESTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 45 Formation End Depth: 85 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961504657 **Method Construction Code:**

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10575270 Casing No:

Comment: Alt Name:

Construction Record - Casing

930046135 Casing ID:

Layer: Material:

OPEN HOLE Open Hole or Material:

Depth From:

85 Depth To: Casing Diameter: Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930046134

Layer: 1 Material:

STEEL Open Hole or Material: Depth From:

48 Depth To: Casing Diameter: 5 Casing Diameter UOM: inch Casing Depth UOM:

Results of Well Yield Testing

Pump Test ID: 991504657

Pump Set At: Static Level: 20 Final Level After Pumping: 35 Recommended Pump Depth: Pumping Rate: 3 Flowing Rate:

Recommended Pump Rate:

Levels UOM: ft **GPM** Rate UOM:

Elev/Diff Site DB Map Key Number of Direction/ Records Distance (m) (m) Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: Pumping Duration HR: 1 **Pumping Duration MIN:** 0 No Flowing: Water Details Water ID: 933457956 Layer: Kind Code: **FRESH** Kind: Water Found Depth: 80 Water Found Depth UOM:

Order No: 20080414040

Status: C

Report Type: Custom Report Report Date: 4/23/2008 Date Received: 4/14/2008

Previous Site Name:

Lot/Building Size: Unknown

Additional Info Ordered:

Nearest Intersection: Earl Armstrong Drive and River Road

Order No: 21011800277

 Municipality:
 Ottawa

 Client Prov/State:
 ON

 Search Radius (km):
 0.25

 X:
 -75.695797

 Y:
 45.268496

Unplottable Summary

Total: 99 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	R.M. OF OTTAWA-CARLETON	WOODROFFE AVE. S.W.M. FACILITY	NEPEAN CITY ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Riverside South Development Corp.		Ottawa ON	
CA	Riverside South Development Corp.		Ottawa ON	
CA	Riverside South Development Corp.	Geographic Township of Gloucester	Ottawa ON	
CA	Claridge Homes (Carson) Inc.		Ottawa ON	
CA	City of Ottawa	Woodroffe Avenue	Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Rideau Carleton Raceway Holdings Limited	Earl Armstrong Road, High Road, and Canyon Walk Drive	Ottawa ON	
CA	Claridge Homes (Carson) Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Riverside South Development Corp.	Geographic Township of Gloucester	Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Claridge Homes (Trim Rd) Inc.	Part 1, RP 4R-22747	Ottawa ON	
CA	Claridge Homes (Cooper St) Inc.		Ottawa ON	
CA	Claridge Homes (Strandherd) Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	

CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Riverside South Development Corp.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Taggart Investments Inc.	Part of Lot 23, Concession 1, formerly Geographic Townsip of Cumberland	Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	City of Ottawa	Strandherd Drive	Ottawa ON
CA	Riverside South Development Corp.	Geographic Township of Gloucester	Ottawa ON
CA	Claridge Homes (Trim Rd) Inc.	Part 1, RP 4R-22747	Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Claridge Homes (Church St.) Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Cornwall Gravel Company Limited		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON

CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.	Part of Lots 12, 13 and 14 Concession 1, Rideau Front	Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Cornwall Gravel Company Limited		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	City of Ottawa	Strandherd Drive	Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Cornwall Gravel Company Limited		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	CLARIDGE HOMES (CARSON) INC.	LOTS 23,24&25,C.1/OTTAWA FRONT	OTTAWA CITY ON
CA	CLARIDGE HOMES (CARSON) INC.	LOTS 23,24&25,C.1/OTTAWA FRONT	OTTAWA CITY ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Claridge Homes (River Road) Inc.	Part 1, Ward 22, Former Geographic Township of Gloucester	Ottawa ON
CA	DCR/PHOENIX DEVELOPMENMT CORP.	STRANDHERD DRIVE	NEPEAN CITY ON

DTNK	Bell Canada	Strandherd Dr, Nepean (Jockvale) ON	NEPEAN ON	
EBR	Riverside South Development Corporation (RSDC)		ON	
EBR	Claridge Homes (River Road) Inc.	Ottawa Lot:21 CITY OF OTTAWA	ON	
ECA	City of Ottawa	Earl Armstrong Rd River Road to Limebank Road	Ottawa ON	K1P 1J1
ECA	Minto Developments Inc.		Ottawa ON	K1R 7Y2
ECA	Claridge Homes (Clarion Hills) Inc.		Ottawa ON	K2P 0Y6
ECA	Claridge Homes (Rockcliffe Mews) Inc.		Ottawa ON	K2P 0Y6
ECA	Claridge Homes (River Road) Inc.	Part 1, Ward 22, Former Geographic Township of Gloucester	Ottawa ON	K2P 0Y6
ECA	City of Ottawa	Earl Armstrong Rd (Earl Armstrong Road to River Road)	Ottawa ON	K1P 1J1
ECA	Minto Developments Inc.		Ottawa ON	K1R 7Y2
ECA	Claridge Homes (Cedarview) Inc.		Ottawa ON	K2P 0Y6
ECA	Riverside South Development Corp.		Ottawa ON	K1G 2H5
ECA	Claridge Homes (River Road) Inc.		Ottawa ON	K2P 0Y6
ECA	Claridge Homes (Clarion Hills) Inc.		Ottawa ON	K2P 0Y6
ECA	Claridge Homes (Rockcliffe Mews) Inc.		Ottawa ON	K2P 0Y6
ECA	Claridge Homes (River Road) Inc.		Ottawa ON	K2P 0Y6
ECA	Claridge Homes (Carson) Inc.		Ottawa ON	K2P 0Y6
EHS		Woodroffe Ave (West Hunt Club Rd to CN Rail Line)	Ottawa ON	
GEN	RIVERSIDE SOUTH DEVELOPMENT CORP.	COOKS MILLS CRESCENT	OTTAWA ON	K1V 2N1
GEN	RIVERSIDE SOUTH DEVELOPMENT CORP.	COOKS MILLS CRESCENT	OTTAWA ON	K1V 2N1
GEN	RIVERSIDE SOUTH DEVELOPMENT CORP.	COOKS MILLS CRESCENT	OTTAWA ON	K1V 2N1

GEN	GVT. OF CAN ENVIRONMENT CANADA	RIVER RD. ENVIRONMENTAL TECHNOLOGY CTR. C/O 140 PROMENADE DU PORTAGE, PHASE IV	OTTAWA ON	K1A 0M3
LIMO		Lot 23 Concession 1 ON OTTAWA RIVER NEPEAN Ottawa	ON	
NPCB	ENVIRONMENT CANADA	RIVER ROAD LABS 3439 RIVER ROAD	OTTAWA ON	K1A 0H3
PTTW	Claridge Homes (Leitrim) Inc.		ON	
PTTW	Claridge Homes (Bruyere) Inc.		ON	
RSC	CLARIDGE HOMES (CARSON) INC.	No Municipal Address	Ottawa ON	
RSC		Part Lot 23	Ottawa ON	
SPL		Woodroffe Avenue and West Hunt Club <unofficial></unofficial>	Ottawa ON	
SPL	FINES FLOUR	RIVER RD. GLOUCESTER GLOUCESTER PLANT RIVER ROAD	GLOUCESTER CITY ON	
SPL	KENT FUELS	RR #2 LODGE RD TANK TRUCK (CARGO)	NEPEAN CITY ON	
SPL	Nortel Networks <unofficial></unofficial>	Nortel Networks <unofficial></unofficial>	Ottawa ON	
SPL	Geo. W. Drummond Excavating Inc <unofficial></unofficial>	Strandherd Dr and Temporary	Ottawa ON	
SPL	MacEwen Petroleum Inc.		Ottawa ON	
WWIS		lot 23	ON	

Unplottable Report

Site: R.M. OF OTTAWA-CARLETON

WOODROFFE AVE. S.W.M. FACILITY NEPEAN CITY ON

Database:

Certificate #: 3-0514-93-**Application Year:** 93

Issue Date: 6/15/1993
Approval Type: Municipal sewage
Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

Site: Minto Developments Inc.

Ottawa ON

Database:

 Certificate #:
 8733-8J9RH6

 Application Year:
 2011

 Issue Date:
 7/28/2011

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

Site: Riverside South Development Corp.

Ottawa ON

Database:

 Certificate #:
 8169-8G5KMV

 Application Year:
 2011

 Issue Date:
 5/5/2011

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: Riverside South Development Corp.

Ottawa ON

Database:

Order No: 21011800277

Certificate #: 7653-8EJM3S

Application Year: 2011

Issue Date: 3/7/2011

Approval Type: Municipal and Private Sewage Works

Approved

Status:

Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Riverside South Development Corp.

Geographic Township of Gloucester Ottawa ON

 Certificate #:
 9979-7PCKHF

 Application Year:
 2009

 Issue Date:
 3/18/2009

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:

<u>Site:</u> Claridge Homes (Carson) Inc. Ottawa ON

CA

 Certificate #:
 9611-7PUSMB

 Application Year:
 2009

 Issue Date:
 3/9/2009

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

Woodroffe Avenue Ottawa ON

Database:

Order No: 21011800277

Database:

Database:

 Certificate #:
 9466-74ZR66

 Application Year:
 2007

 Issue Date:
 8/13/2007

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:

Minto Developments Inc. Database: Site: Ottawa ON

Certificate #: 9152-65XHVP

Application Year: 2004 Issue Date: 10/21/2004

Approval Type: Municipal and Private Sewage Works

Approved

Status:

Application Type: Client Name: Client Address: Client City:

Client Postal Code: Project Description: Contaminants: **Emission Control:**

Site: Rideau Carleton Raceway Holdings Limited

Earl Armstrong Road, High Road, and Canyon Walk Drive Ottawa ON

8720-6HXK59 Certificate #:

Application Year: 2005 Issue Date: 11/10/2005

Municipal and Private Sewage Works Approval Type:

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description:

Contaminants: **Emission Control:**

Claridge Homes (Carson) Inc. Site: Ottawa ON

Certificate #: 8697-6Z5TCD

2007 Application Year: Issue Date: 4/17/2007

Municipal and Private Sewage Works Approval Type:

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: **Project Description:** Contaminants:

Emission Control:

Minto Developments Inc. Site: Ottawa ON

8418-76APWL

Certificate #: Application Year: 2007 Issue Date: 8/22/2007

Municipal and Private Sewage Works Approval Type:

Status: Approved

Application Type: Client Name: Client Address: Client City:

Client Postal Code: Project Description: Database: CA

Database: CA

Database:

Contaminants: Emission Control:

Site: Minto Developments Inc.

Ottawa ON

Database:

Certificate #:8133-65GMW9Application Year:2004

Issue Date: 10/6/2004

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code:

Client Postal Code: Project Description: Contaminants: Emission Control:

Site: Riverside South Development Corp.

Geographic Township of Gloucester Ottawa ON

Database: CA

 Certificate #:
 8040-7NVLD3

 Application Year:
 2009

 Issue Date:
 2/11/2009

Approval Type: Municipal and Private Sewage Works

Status: Revoked and/or Replaced

Application Type: Client Name: Client Address: Client City: Client Postal Code

Client Postal Code: Project Description: Contaminants: Emission Control:

<u>Site:</u> Minto Developments Inc. Ottawa ON Database: CA

Certificate #: 7996-5Q7RGN
Application Year: 2003

Issue Date: 8/12/2003

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code:

Client Postal Code: Project Description: Contaminants: Emission Control:

<u>Site:</u> Claridge Homes (Trim Rd) Inc. Part 1, RP 4R-22747 Ottawa ON

Certificate #: 7972-7ZQPXH

 Application Year:
 2010

 Issue Date:
 1/18/2010

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type:

Database: CA Client Name: Client Address: Client City: Client Postal Code: Project Description:

Contaminants: Emission Control:

<u>Site:</u> Claridge Homes (Cooper St) Inc. Ottawa ON Database: CA

Database: CA

Certificate #: 7666-5SKKLX

 Application Year:
 2003

 Issue Date:
 10/23/2003

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

<u>Site:</u> Claridge Homes (Strandherd) Inc. Ottawa ON

Certificate #: 7488-6U9S5E

Application Year:2006Issue Date:10/6/2006

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description:

Contaminants: Emission Control:

Site: Minto Developments Inc.

Ottawa ON

Database:

 Certificate #:
 7355-6M4TMP

 Application Year:
 2006

 Issue Date:
 2/20/2006

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants:

Emission Control:

Site: Minto Developments Inc.

Ottawa ON

Database:

Order No: 21011800277

Certificate #: 7163-5SYQ3M

2003 Application Year: 11/14/2003 Issue Date:

Municipal and Private Sewage Works Approval Type:

Status:

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants:

Emission Control:

Approved

Database:

Minto Developments Inc. Site:

Ottawa ON

Certificate #: 7043-6P2REB 2006 Application Year: 4/20/2006 Issue Date:

Municipal and Private Sewage Works Approval Type:

Approved Status:

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: **Emission Control:**

Riverside South Development Corp. Site:

Ottawa ON

7037-6MXLUE Certificate #: Application Year: 2006 Issue Date: 3/18/2006

Municipal and Private Sewage Works Approval Type: Approved

Status:

Application Type: Client Name: Client Address: Client City: Client Postal Code: **Project Description:**

Contaminants: **Emission Control:**

Site: Minto Developments Inc. Ottawa ON

Certificate #: 6733-5NSKZ9 Application Year: 2003 Issue Date: 6/23/2003

Municipal and Private Sewage Works Approval Type:

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code:

Project Description: Contaminants: **Emission Control:**

Database: CA

Database: CA

Minto Developments Inc. Site: Database: CA Ottawa ON

Certificate #: 6380-6JGQ7B 2005 Application Year:

Issue Date: 12/29/2005

Municipal and Private Sewage Works Approval Type:

Status: Application Type:

Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: **Emission Control:**

Revoked and/or Replaced

Site: Minto Developments Inc. Ottawa ON

Database: CA

6002-7DAKG9 Certificate #: Application Year: 2008 4/2/2008 Issue Date:

Municipal and Private Sewage Works Approval Type:

Revoked and/or Replaced Status:

Application Type: Client Name: Client Address: Client City: Client Postal Code:

Project Description: Contaminants: **Emission Control:**

Site: Minto Developments Inc.

Ottawa ON

Database: CA

5963-766KNS Certificate #: 2007 Application Year: Issue Date: 8/21/2007

Municipal and Private Sewage Works Approval Type:

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: **Project Description:** Contaminants:

Emission Control:

Taggart Investments Inc. Site:

Part of Lot 23, Concession 1, formerly Geographic Townsip of Cumberland Ottawa ON

Database:

Order No: 21011800277

Certificate #: 5894-6G6MVY 2005 Application Year: Issue Date: 9/26/2005

Municipal and Private Sewage Works Approval Type:

Approved Status:

Application Type: Client Name: Client Postal Code:

Client Address: Client City:

Project Description: Contaminants: Emission Control:

<u>Site:</u> Minto Developments Inc.

Ottawa ON

Database:

Certificate #: 5840-6NRNJD

 Application Year:
 2006

 Issue Date:
 5/4/2006

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants:

Emission Control:

Site: City of Ottawa

Strandherd Drive Ottawa ON

Database: CA

 Certificate #:
 5791-77LJ85

 Application Year:
 2007

 Issue Date:
 10/2/2007

Approval Type: Municipal and Private Sewage Works

Status: Revoked and/or Replaced

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

<u>Site:</u> Riverside South Development Corp.

Geographic Township of Gloucester Ottawa ON

Database:

 Certificate #:
 5641-7FHJMY

 Application Year:
 2008

 Issue Date:
 6/11/2008

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

Site: Claridge Homes (Trim Rd) Inc.

Part 1, RP 4R-22747 Ottawa ON

Database:

Order No: 21011800277

 Certificate #:
 5372-835QP7

 Application Year:
 2010

 Issue Date:
 4/15/2010

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: **Emission Control:**

Site: Minto Developments Inc.

Ottawa ON

Database: CA

7788-6XDSAP Certificate #: Application Year: 2007 1/19/2007 Issue Date:

Approval Type: Municipal and Private Sewage Works

Status: Revoked and/or Replaced

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants:

Emission Control:

Site: Claridge Homes (Church St.) Inc.

Ottawa ON

Database: CA

7739-5NWLL5 Certificate #: Application Year: 2003 6/27/2003 Issue Date:

Municipal and Private Sewage Works Approval Type:

Approved

Status:

Application Type: Client Name: Client Address: Client City: Client Postal Code:

Project Description: Contaminants: **Emission Control:**

Site: Minto Developments Inc. Ottawa ON

Database:

7677-7DPNN3 Certificate #: Application Year: 2008 Issue Date: 5/1/2008

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants:

Emission Control:

Minto Developments Inc. Site:

Ottawa ON

Database:

5109-66JPRR Certificate #: 2004 Application Year: 11/9/2004 Issue Date:

Municipal and Private Sewage Works Approval Type:

Status:

Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description:

Contaminants: **Emission Control:**

Site: Cornwall Gravel Company Limited

Ottawa ON

Database: CA

Database:

CA

4645-6SRL3J Certificate #: Application Year: 2006 10/26/2006 Issue Date: Approval Type: Air Status: Approved

Application Type: Client Name: Client Address: Client City:

Client Postal Code: Project Description: Contaminants: **Emission Control:**

Site: Minto Developments Inc. Ottawa ON

4208-6J7J5T

Certificate #: Application Year: 2005 11/17/2005 Issue Date:

Municipal and Private Sewage Works Approval Type:

Approved

Status:

Application Type: Client Name: Client Address: Client City:

Client Postal Code: Project Description: Contaminants: **Emission Control:**

Site:

Minto Developments Inc.

Ottawa ON

Database: CA

Order No: 21011800277

3934-5QBL78 Certificate #: Application Year: 2003 9/18/2003 Issue Date:

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City:

Client Postal Code: Project Description: Contaminants: **Emission Control:**

Site: Minto Developments Inc.

Ottawa ON

Database:

 Certificate #:
 3403-5MAJ6D

 Application Year:
 2003

 Issue Date:
 5/9/2003

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

Site: Minto Developments Inc.

Ottawa ON

Database: CA

 Certificate #:
 3360-7H3RCS

 Application Year:
 2008

 Issue Date:
 8/8/2008

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

Site: Minto Developments Inc.

Ottawa ON

Database:

 Certificate #:
 3324-5PXLMV

 Application Year:
 2003

 Issue Date:
 7/31/2003

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

Site: Minto Developments Inc.

Ottawa ON

Database:

Order No: 21011800277

 Certificate #:
 2814-68ZN2P

 Application Year:
 2005

 Issue Date:
 2/2/2005

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: **Emission Control:**

Site: Minto Developments Inc.

Ottawa ON

Database:

Certificate #: 2803-6XKQB2 Application Year: 2007 1/25/2007 Issue Date:

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: **Emission Control:**

Site: Minto Developments Inc.

Part of Lots 12, 13 and 14 Concession 1, Rideau Front Ottawa ON

Database:

Certificate #: 2230-76ALR6 Application Year: 2007 8/22/2007 Issue Date:

Approval Type: Municipal and Private Sewage Works

Approved Status:

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: **Emission Control:**

Site: Minto Developments Inc.

Ottawa ON

Database:

Certificate #: 2206-5J5J5M 2003 Application Year: Issue Date: 1/27/2003

Municipal and Private Sewage Works Approval Type:

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants:

Emission Control:

Site: Cornwall Gravel Company Limited Ottawa ON

Database:

Order No: 21011800277

Certificate #: 2069-765HBE 2008 Application Year: 10/24/2008 Issue Date:

Approval Type: Industrial Sewage Works Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

Site: Minto Developments Inc.

Ottawa ON

Database: CA

 Certificate #:
 1930-5HZMDY

 Application Year:
 2003

 Issue Date:
 1/21/2003

Approval Type: Municipal and Private Sewage Works

Approved

Status:

Application Type: Client Name: Client Address: Client City: Client Postal Code

Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

<u>Site:</u> Minto Developments Inc.

Ottawa ON

Database:

 Certificate #:
 1814-73VJMC

 Application Year:
 2007

 Issue Date:
 6/7/2007

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

Site: Minto Developments Inc.

Ottawa ON

Database: CA

 Certificate #:
 1688-5ZCP3J

 Application Year:
 2004

 Issue Date:
 5/28/2004

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants:

Emission Control:

<u>Site:</u> Minto Developments Inc. Ottawa ON Database:

Certificate #: 1530-6QQL2J Application Year: 2006

Issue Date: 7/14/2006

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

Site: Minto Developments Inc.

Ottawa ON

Database:

 Certificate #:
 1462-76TNSQ

 Application Year:
 2007

 Issue Date:
 9/11/2007

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

<u>Site:</u> Minto Developments Inc.

Ottawa ON

Database:

Certificate #: 1305-5PNSMF Application Year: 2003

 Application Year:
 2003

 Issue Date:
 7/22/2003

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants:

Emission Control:

<u>Site:</u> Minto Developments Inc.

Ottawa ON

Database:

Order No: 21011800277

 Certificate #:
 1297-6SPJ46

 Application Year:
 2006

 Issue Date:
 8/17/2006

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants:

Emission Control:

Site: City of Ottawa

Strandherd Drive Ottawa ON

Database:

 Certificate #:
 1254-73VKL4

 Application Year:
 2007

 Issue Date:
 6/17/2007

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:

<u>Site:</u> Minto Developments Inc. Ottawa ON

Database: CA

 Certificate #:
 1168-67AKKL

 Application Year:
 2004

 Issue Date:
 12/7/2004

Approval Type: Municipal and Private Sewage Works

Status: Revoked and/or Replaced

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

Site: Minto Developments Inc.

Ottawa ON

Database: CA

 Certificate #:
 1002-6GQJNY

 Application Year:
 2005

 Issue Date:
 10/3/2005

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants:

Emission Control:

<u>Site:</u> Cornwall Gravel Company Limited

Ottawa ON

Database: CA

Order No: 21011800277

 Certificate #:
 0913-6QASXW

 Application Year:
 2006

 Issue Date:
 10/26/2006

 Approval Type:
 Air

 Status:
 Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

<u>Site:</u> Minto Developments Inc. Ottawa ON

Certificate #: 0681-67QTZP

 Application Year:
 2005

 Issue Date:
 1/11/2005

Approval Type: Municipal and Private Sewage Works

Status: Approved

Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

Application Type:

<u>Site:</u> Minto Developments Inc. Ottawa ON

Certificate #: 0523-7EVPTJ

 Application Year:
 2008

 Issue Date:
 8/21/2008

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code

Client Postal Code: Project Description: Contaminants: Emission Control:

Site: CLARIDGE HOMES (CARSON) INC.

LOTS 23,24&25,C.1/OTTAWA FRONT OTTAWA CITY ON

Certificate #: 7-0387-99Application Year: 99
Issue Date: 6/7/1999
Approval Type: Municipal water
Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants:

Emission Control:

Site: CLARIDGE HOMES (CARSON) INC.

LOTS 23,24&25,C.1/OTTAWA FRONT OTTAWA CITY ON

 Certificate #:
 3-0568-99

 Application Year:
 99

 Issue Date:
 6/7/1999

Database: CA

Database:

Database:

Database:

Approval Type: Municipal sewage Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

<u>Site:</u> Minto Developments Inc.

Ottawa ON

Database: CA

 Certificate #:
 2539-66USUQ

 Application Year:
 2004

 Issue Date:
 11/25/2004

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:

Emission Control:

Site: Minto Developments Inc.

Ottawa ON

Database:

 Certificate #:
 2530-6JULSK

 Application Year:
 2005

 Issue Date:
 12/16/2005

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

Site: Claridge Homes (River Road) Inc.

Part 1, Ward 22, Former Geographic Township of Gloucester Ottawa ON

Database: CA

 Certificate #:
 6127-8MQRRK

 Application Year:
 2011

 Issue Date:
 10/20/2011

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:

DCR/PHOENIX DEVELOPMENMT CORP.

Database:

Order No: 21011800277

CA

Site:

STRANDHERD DRIVE NEPEAN CITY ON

Certificate #: 3-1122-90Application Year: 90
Issue Date: 6/26/1990
Approval Type: Municipal sewage
Status: Approved

Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants:

Emission Control:

Site: Bell Canada

Strandherd Dr, Nepean (Jockvale) ON NEPEAN ON

Database:

Database:

EBR

Order No: 21011800277

Delisted Commercial Fuel Oil

Tanks

Licence No: Facility Type:
Registration No: 200204-1515
Letter Sent:

Posse File No: Corrosion Protection:

Posse Reg No: Fuel Type: Instance No: Province: Status Name: Nbr:

Tank Type: Instance Type:

Tank Size:5072 LOriginal Source:CFOTTank Material:Fiberglass reinforced plasticRecord Date:Up to Apr 2013

Tank Material: Fiberglass reinforced plast **Tk Age (as of 05/1992):** 9 yrs

Tank Address: Strandherd Dr, Nepean (Jockvale) ON

Distributor: Esso

Contact Name: c/o Alain Naud

Contact Address: 3685 Aylmer - Bureau 200

Contact Address2: Contact Suite:

 Contact City:
 Montreal

 Contact Prov:
 QC

 Contact Postal:
 H2X 2C5

Comments:

Site:

Riverside South Development Corporation (RSDC)

ON

EBR Registry No:

Ministry Ref No:

012-7921 Decision Posted:
MNRF INST 49/16 Exception Posted:

Notice Type:Instrument DecisionSection:Notice Stage:848864526Act 1:Notice Date:April 13, 2017Act 2:

Proposal Date: June 14, 2016 Site Location Map:

Year: 2016

Instrument Type: (ESA s.17(2) (c)) - Permit for activities with conditions to achieve overall benefit to the species

Off Instrument Name:

Posted By:
Company Name: Riverside South Development Corporation (RSDC)

Site Address:
Location Other:
Proponent Name:

Proponent Address: 2193 Arch Street, Ottawa Ontario, Canada K1G 3H5

Comment Period:

IIRI ·

Site Location Details:

Claridge Homes (River Road) Inc. Site: Ottawa Lot:21 CITY OF OTTAWA ON

> 012-7970 Decision Posted:

EBR Registry No: Ministry Ref No: 2437-AA4KMK **Exception Posted:** Instrument Decision Notice Type: Section:

Notice Stage: 848863995 Act 1: Notice Date: August 23, 2016 Act 2:

June 22, 2016 Proposal Date: Site Location Map:

Year: 2016

(EPA Part II.1-sewage) - Environmental Compliance Approval (project type: sewage) Instrument Type:

Off Instrument Name:

Posted By:

Company Name: Claridge Homes (River Road) Inc.

Site Address: Location Other: Proponent Name:

210 Galdstone avenue, 2001, Ottawa Ontario, Canada K2P 0Y6 Proponent Address:

Comment Period:

URL:

Site Location Details:

Ottawa Lot:21 CITY OF OTTAWA

Site: City of Ottawa

Earl Armstrong Rd River Road to Limebank Road Ottawa ON K1P 1J1

9430-7V8P7B **MOE District:** Approval No: 2009-09-09 Approval Date: Citv: Status: Approved Longitude: **ECA** Latitude: Record Type: Link Source: **IDS** Geometry X: SWP Area Name: Geometry Y:

ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Approval Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: Address: Earl Armstrong Rd River Road to Limebank Road

Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3848-7SNPR4-14.pdf

Site: Minto Developments Inc. Ottawa ON K1R 7Y2

7163-5SYQ3M

Approval No: **MOE District:** Approval Date: 2003-11-14 City: Approved Status: Longitude: Record Type: **ECA** Latitude: Link Source: **IDS** Geometry X: SWP Area Name: Geometry Y:

ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Approval Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type:

Address: Full Address:

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

Site: Claridge Homes (Clarion Hills) Inc.

Ottawa ON K2P 0Y6

MOE District:

4038-4Y4LCL Approval No:

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343

Order No: 21011800277

Database:

EBR

Database:

ECA

Database:

ECA

Database:

ECA

 Approval Date:
 2001-07-05
 City:

 Status:
 Approved
 Longitude:

 Record Type:
 ECA
 Latitude:

 Link Source:
 IDS
 Geometry X:

 SWP Area Name:
 Geometry Y:

Approval Type:ECA-Municipal and Private Water WorksProject Type:Municipal and Private Water Works

Address: Full Address: Full PDF Link:

Site: Claridge Homes (Rockcliffe Mews) Inc.

Ottawa ON K2P 0Y6

Database: ECA

4048-4VFRHS Approval No: **MOE District:** Approval Date: 2001-04-03 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

Address: Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4768-4VEQD2-14.pdf

Site: Claridge Homes (River Road) Inc.

Part 1, Ward 22, Former Geographic Township of Gloucester Ottawa ON K2P 0Y6

Database: ECA

Approval No: 6127-8MQRRK **MOE District:** Approval Date: 2011-10-20 City: Approved Longitude: Status: Record Type: ECA Latitude: IDS Link Source: Geometry X: SWP Area Name: Geometry Y:

Approval Type:ECA-MUNICIPAL AND PRIVATE SEWAGE WORKSProject Type:MUNICIPAL AND PRIVATE SEWAGE WORKS

Address: Part 1, Ward 22, Former Geographic Township of Gloucester

Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/0790-8MJEK8-14.pdf

Site: City of Ottawa

Earl Armstrong Rd (Earl Armstrong Road to River Road) Ottawa ON K1P 1J1

Database: ECA

Approval No: 5036-7SQR3Z **MOE District:** Approval Date: 2009-06-08 City: Approved Status: Longitude: Record Type: ECA Latitude: Link Source: **IDS** Geometry X: SWP Area Name: Geometry Y:

Approval Type: ECA-Municipal Drinking Water Systems

Project Type: Municipal Drinking Water Systems

Address: Earl Armstrong Rd (Earl Armstrong Road to River Road)

Full Address: Full PDF Link:

<u>Site:</u> Minto Developments Inc. Ottawa ON K1R 7Y2

Approval No: 4490-5SYQAN MOE District:

Approval Date:2003-11-14City:Status:ApprovedLongitude:Record Type:ECALatitude:

Database: ECA

Link Source: IDS Geometry X: SWP Area Name: Geometry Y:

Approval Type: Project Type: Address: Full Address: Full PDF Link: ECA-Municipal Drinking Water Systems Municipal Drinking Water Systems

<u>Site:</u> Claridge Homes (Cedarview) Inc.

Database: ECA

Ottawa ON K2P 0Y6

Approval No: 9183-974NHU **MOE District:** 2013-04-30 Approval Date: City: Status: Approved Longitude: ECA Record Type: 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

Address: Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8046-967RNG-14.pdf

Site: Riverside South Development Corp.

Database: ECA

Ottawa ON K1G 2H5

Approval No: 0166-ACPSEZ **MOE District:** Approval Date: 2016-08-23 City: Status: Revoked and/or Replaced Longitude: Record Type: Latitude: **ECA** Link Source: IDS Geometry X: SWP Area Name: Geometry Y:

Approval Type:ECA-MUNICIPAL AND PRIVATE SEWAGE WORKSProject Type:MUNICIPAL AND PRIVATE SEWAGE WORKS

Address:

Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3244-A6CPHG-14.pdf

Site: Claridge Homes (River Road) Inc.

Ottawa ON K2P 0Y6

Database: ECA

6213-AC9MCQ **MOE District:** Approval No: Approval Date: 2016-08-08 City: Approved Longitude: Status: 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

Address: Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2437-AA4KMK-14.pdf

Site: Claridge Homes (Clarion Hills) Inc.

Ottawa ON K2P 0Y6

Database: ECA

Order No: 21011800277

1177-4Y4LGJ Approval No: **MOE District:** Approval Date: 2001-07-05 City: Approved Longitude: Status: Record Type: **ECA** Latitude: IDS Geometry X: Link Source: SWP Area Name: Geometry Y:

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS

Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS

Address: Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6213-4Y3PCG-14.pdf

Site: Claridge Homes (Rockcliffe Mews) Inc.

Ottawa ON K2P 0Y6

Database: ECA

Approval No: 5073-4VFQUZ **MOE District:** Approval Date: 2001-04-03 City: Status: Approved Longitude: Record Type: **ECA** Latitude: **IDS** Geometry X: Link Source: SWP Area Name: Geometry Y:

Approval Type:ECA-Municipal and Private Water WorksProject Type:Municipal and Private Water Works

Address: Full Address: Full PDF Link:

Site: Claridge Homes (River Road) Inc.

Ottawa ON K2P 0Y6

Database: ECA

Approval No: 2726-AACLFH **MOE District:** 2016-06-02 Approval Date: City: Status: Approved Longitude: Latitude: Record Type: **ECA** IDS Link Source: Geometry X: SWP Area Name: Geometry Y:

Approval Type:ECA-MUNICIPAL AND PRIVATE SEWAGE WORKSProject Type:MUNICIPAL AND PRIVATE SEWAGE WORKS

Address: Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3677-AA4KJR-14.pdf

Site: Claridge Homes (Carson) Inc.

Ottawa ON K2P 0Y6

Database: ECA

8741-AU3KP5 Approval No: **MOE District:** Approval Date: 2017-12-20 City: Status: Approved Longitude: Latitude: Record Type: **ECA** Link Source: **IDS** Geometry X: SWP Area Name: Geometry Y:

Approval Type:ECA-MUNICIPAL AND PRIVATE SEWAGE WORKSProject Type:MUNICIPAL AND PRIVATE SEWAGE WORKS

Address: Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1645-ATXMXA-14.pdf

<u>Site:</u>
Woodroffe Ave (West Hunt Club Rd to CN Rail Line) Ottawa ON

Database: EHS

00040740004

 Order No:
 20040713004

 Status:
 C

C Custom Report

Report Type: Custom
Report Date: 7/15/04
Date Received: 7/12/04
Previous Site Name:

Lot/Building Size: Additional Info Ordered: Nearest Intersection: Municipality:

 Client Prov/State:
 ON

 Search Radius (km):
 0.25

 X:
 -75.741446

Y:

1

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346

RIVERSIDE SOUTH DEVELOPMENT CORP. Site:

COOKS MILLS CRESCENT OTTAWA ON K1V 2N1

PO Box No: Generator No: ON6397788 Status: Registered

Approval Years: As of Dec 2018 Contam. Facility:

MHSW Facility: SIC Code: SIC Description: Country: Canada Choice of Contact:

Co Admin: Phone No Admin:

Detail(s)

Waste Class:

Waste Class Desc: Waste oils/sludges (petroleum based)

RIVERSIDE SOUTH DEVELOPMENT CORP. Site: Database: COOKS MILLS CRESCENT OTTAWA ON K1V 2N1 **GEN**

PO Box No: ON6397788 Generator No:

Status: Country: Canada

Approval Years: 2016 Choice of Contact: CO_OFFICIAL

No Contam. Facility: Co Admin: MHSW Facility: No Phone No Admin:

531310 SIC Code:

SIC Description: REAL ESTATE PROPERTY MANAGERS

Detail(s)

Waste Class: 251

Waste Class Desc: **OIL SKIMMINGS & SLUDGES**

RIVERSIDE SOUTH DEVELOPMENT CORP. Database: Site: COOKS MILLS CRESCENT OTTAWA ON K1V 2N1 GEN

Generator No: ON6397788 PO Box No:

Country: Canada Status:

Approval Years: 2015 Choice of Contact: CO_OFFICIAL

Contam. Facility: No Co Admin: MHSW Facility: No Phone No Admin:

531310 SIC Code:

SIC Description: REAL ESTATE PROPERTY MANAGERS

Detail(s)

Waste Class: 251

Waste Class Desc: **OIL SKIMMINGS & SLUDGES**

GVT. OF CAN. - ENVIRONMENT CANADA Site: RIVER RD. ENVIRONMENTAL TECHNOLOGY CTR. C/O 140 PROMENADE DU PORTAGE, PHASE IV OTTAWA ON

K1A OM3

ON0198101 Generator No: PO Box No: Status: Country:

Approval Years: 86,87,88,89,90 Choice of Contact: Contam. Facility: Co Admin: MHSW Facility: Phone No Admin:

SIC Code: 8173

ENVIRON. ADMIN. SIC Description:

Detail(s)

Waste Class: 263

ORGANIC LABORATORY CHEMICALS Waste Class Desc:

Database: **GEN**

Database:

Order No: 21011800277

GEN

Waste Class: 221

Waste Class Desc: LIGHT FUELS

Waste Class: 241

Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 242

Waste Class Desc: HALOGENATED PESTICIDES

Waste Class: 252

Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 148

Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 21

Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 222

Waste Class Desc: HEAVY FUELS

Waste Class: 212

Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 213

Site:

Waste Class Desc: PETROLEUM DISTILLATES

Lot 23 Concession 1 ON OTTAWA RIVER NEPEAN Ottawa ON

Database: LIMO

ECA/Instrument No: X1007 Natural Attenuation:

Oper Status 2016: Historic Liners:

C of A Issue Date: Cover Material: C of A Issued to: Leachate Off-Site: Lndfl Gas Mgmt (P): Leachate On Site: Lndfl Gas Mgmt (F): Req Coll Lndfll Gas: Lndfl Gas Mgmt (E): Lndfll Gas Coll: Lndfl Gas Mgmt Sys: Total Waste Rec: Landfill Gas Mntr: TWR Methodology: Leachate Coll Sys: TWR Unit: ERC Est Vol (m3): Tot Aprv Cap Unit: **ERC** Volume Unit: Financial Assurance:

ERC Dt Last Det:
Landfill Type:
Source File Type:
Historic and Closed Landfills
Last Report Year:
MOE Region:
MOE District:

Fill Rate:Site County:Fill Rate Unit:Lot:Tot Fill Area (ha):Concession:Tot Site Area (ha):Latitude:

Footprint:

Tot Apprv Cap (m3):

Contam Atten Zone:

Grndwtr Mntr:

Surf Wtr Mntr:

Longitude:

Easting:

Northing:

UTM Zone:

Data Source:

Surf Wtr Mntr:
Air Emis Monitor:
Approved Waste Type:
Client Site Name:
ERC Methodology:
Site Name:

Site Location Details: Lot 23 Concession 1 ON OTTAWA RIVER NEPEAN

Ottawa

Service Area: Page URL:

Site: ENVIRONMENT CANADA

RIVER ROAD LABS 3439 RIVER ROAD OTTAWA ON K1A 0H3

Database:

Company Code: O3229

Industry: **ENVIRONMENT CANADA** Site Status: ITEMS SENT TO SWAN HILLS

Transaction Date: 10/9/1996 Inspection Date: 7/24/1996

Site: Claridge Homes (Leitrim) Inc.

Database: PTTW

EBR Registry No: 011-1598 Decision Posted: Ministry Ref No: 2138-8AUM2F Exception Posted:

Notice Type: Instrument Decision Notice Stage:

Act 1: December 02, 2014 Act 2: Site Location Map:

Proposal Date: November 05, 2010

2010 Year:

(OWRA s. 34) - Permit to Take Water Instrument Type:

Off Instrument Name:

Posted By:

Notice Date:

Company Name: Claridge Homes (Leitrim) Inc.

Site Address: Location Other: Proponent Name:

2001 210 Gladstone avenue, Ottawa Ontario, Canada K2P 0Y6 Proponent Address:

Comment Period:

URL:

Site Location Details:

Part of Lot 19 Address: Lot: part of 19, Concession: V, Ottawa, City District Office: Ottawa + + + + Part of Lots 17, 18 and 19 Concession V Address: Lot: Part of 17, 18, 19 & 20, Concession: V, Ottawa, City District Office: Ottawa + + + + Part of Lots 17 and 18, Concession V Address: Lot: Part of Lots 17 and 18, Concession: Concession V, Ottawa, City District Office: Ottawa CITY OF OTTAWA

Act 1:

Act 2

Section:

Site: Claridge Homes (Bruyere) Inc.

ON

Database:

EBR Registry No: 012-3353 Decision Posted: 0267-9SKPP8 Ministry Ref No: Exception Posted: Section:

Notice Type: Instrument Decision Notice Stage:

Notice Date: February 03, 2016

Proposal Date: January 09, 2015 Site Location Map:

2015 Year:

Instrument Type:

(OWRA s. 34) - Permit to Take Water

Off Instrument Name:

Posted By:

Company Name: Claridge Homes (Bruyere) Inc.

Site Address: Location Other: Proponent Name:

210 Gladstone avenue, Suite 2001, Ottawa Ontario, Canada K2P 0Y6 Proponent Address:

Comment Period:

URL:

Site Location Details:

316-334 Bruyere Street and 317-321 St. Andrew Street Address: 316-334 Bruyere St 316-334 Bruyere Street and 317-321 St. Andrew Street, Ottawa, City District Office: Ottawa GeoReference: Zone: 18, UTM Easting: 446210, UTM Northing: 5031528, , Site #: 0245-9B7NJV CITY OF OTTAWA

CLARIDGE HOMES (CARSON) INC. Site:

No Municipal Address Ottawa ON

Database:

Order No: 21011800277

RSC ID: 223098 Cert Date:

RA No:

Phase 1 and 2 RSC RSC Type: Agricultural/Other **Curr Property Use:**

Ottawa District Office **Ministry District:**

Filing Date: 2017/03/24

Date Ack: Date Returned: Restoration Type: Soil Type:

Criteria:

CPU Issued Sect 1686:

Prop ID No (PIN):

Asmt Roll No: 061460021514215 04352-2077 (LT), 04352-2075 (LT), 04352-2076 (LT) No Municipal Address

Property Municipal Address:

Mailing Address: Latitude & Latitude: **UTM Coordinates:** Consultant: Legal Desc:

Measurement Method: Applicable Standards:

https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action? RSC PDF:

attachmentId=76631&fileName=BROWNFIELDS-E.pdf

Document(s) Detail

Supporting Documents Document Heading:

Document Name: Table of Current and Past Uses.pdf Document Type: Table of Current and Past Property Use

Document Link: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?

attachmentId=76636&fileName=Table+of+Current+and+Past+Uses.pdf

Cert Prop Use No:

Intended Prop Use:

Qual Person Name: Stratified (Y/N):

Entire Leg Prop. (Y/N):

Accuracy Estimate:

Audit (Y/N):

Telephone:

Fax:

Email:

Residential

ADRIAN MENYHART

Order No: 21011800277

Document Heading: Supporting Documents APECTable.pdf **Document Name:**

Area(s) of Potential Environmental Concern Document Type:

https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action? Document Link:

attachmentId=78676&fileName=APECTable.pdf

Supporting Documents Document Heading: LawyersLetter.pdf **Document Name:**

Lawyer's letter consisting of a legal description of the property Document Type:

https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action? Document Link:

attachmentId=78675&fileName=LawyersLetter.pdf

Document Heading: Supporting Documents

Plan of Survey - January 2017.pdf Document Name:

A Current plan of Survey Document Type:

https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action? Document Link:

attachmentId=76633&fileName=Plan+of+Survey+-+January+2017.pdf

Supporting Documents Document Heading: Document Name: certificatestatus.pdf Certificate of Status Document Type:

https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action? Document Link:

attachmentId=76632&fileName=certificatestatus.pdf

Document Heading: Supporting Documents Phase II CSM Feb 2017.pdf **Document Name:** Document Type: Phase 2 Conceptual Site Model

https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action? Document Link:

attachmentId=76638&fileName=Phase+II+CSM+Feb+2017.pdf

Supporting Documents Document Heading:

Document Name: Transfer.pdf

Copy of any deed(s), transfer(s) or other document(s) Document Type:

https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action? **Document Link:**

Site: Database: Part Lot 23 Ottawa ON RSC

Ν

Order No: 21011800277

RSC ID: Cert Date: RA No: Cert Prop Use No: RSC Type: Intended Prop Use: Qual Person Name: Curr Property Use:

Ministry District: Ottawa Stratified (Y/N): Filing Date: 07/05/01 Audit (Y/N):

Date Ack: 08/14/01 Entire Leg Prop. (Y/N): Date Returned: Accuracy Estimate:

Telephone: Restoration Type: Soil Type: Medium/Fine Fax: Email:

Res/parkland + Nonpotable Criteria: **CPU Issued Sect** 1686: Asmt Roll No:

Prop ID No (PIN): Property Municipal Address:

Mailing Address: Latitude & Latitude: **UTM Coordinates:**

DST Consulting Engineers Inc. Consultant:

Generic

Legal Desc: Measurement Method:

Applicable Standards:

RSC PDF:

Site: Database: Woodroffe Avenue and West Hunt Club<UNOFFICIAL> Ottawa ON

Ref No: 8444-7ALFW9 Discharger Report:

Site No: Material Group: Incident Dt: Health/Env Conseq:

Client Type: Year:

Incident Cause: Other Transport Accident Sector Type: Other

Incident Event: Agency Involved: Contaminant Code: Nearest Watercourse:

DIESEL FUEL Site Address: Contaminant Name:

Site District Office: Ottawa Contaminant Limit 1: Contam Limit Freq 1: Site Postal Code:

Contaminant UN No 1: Site Region:

Environment Impact: Not Anticipated Site Municipality: Ottawa Nature of Impact: Site Lot:

Site Conc: Receiving Medium: Receiving Env: Northing: MOE Response: No Field Response Easting:

Dt MOE Arvl on Scn: Site Geo Ref Accu: MOE Reported Dt: 1/6/2008 Site Map Datum:

Dt Document Closed: 4/17/2008 SAC Action Class: Land Spills

Incident Reason: Source Type:

Site Name: Woodroffe Avenue and West Hunt Club<UNOFFICIAL>

Site County/District: Site Geo Ref Meth:

Incident Summary: Woodroffe Avenue: MVA: 40 gallons of diesel to ground

180 L Contaminant Qty:

Site: FINES FLOUR Database: SPL RIVER RD. GLOUCESTER GLOUCESTER PLANT RIVER ROAD GLOUCESTER CITY ON

Ref No: 176 Discharger Report: Site No: Material Group: 2/9/1988 Health/Env Conseq: Incident Dt: Year: Client Type:

Incident Cause: OTHER CONTAINER 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: NOT ANTICIPATED Site Municipality: 20105

 Nature of Impact:
 SOIL CONTAMINATION
 Site Lot:

 Receiving Medium:
 LAND
 Site Conc:

 Receiving Env:
 Northing:

 MOE Response:
 Easting:

Dt MOE Arvl on Scn:Site Geo Ref Accu:MOE Reported Dt:2/9/1988Site Map Datum:Dt Document Closed:SAC Action Class:

Incident Reason: MATERIAL FAILURE Source Type:

Site Name: Site County/District:

Site Geo Ref Meth:
Incident Summary:
OIL FROM ABOVE GROUND STORAGE TANK TO GROUND.

Contaminant Qty:

Site: KENT FUELS Database: RR #2 LODGE RD TANK TRUCK (CARGO) NEPEAN CITY ON SPL

Ref No: 28804 Discharger Report: Site No: Material Group:

Incident Dt: 12/12/1989 Health/Env Conseq:
Year: Client Type:
Incident Cause: PIPE/HOSE LEAK Sector Type:
Incident Event: Agency Involved:

Incident Event:

Contaminant Code:

Contaminant Name:

Contaminant Limit 1:

Contam Limit Freq 1:

Contaminant UN No 1:

Agency Involved:

Nearest Watercourse:

Site Address:

Site District Office:

Site Postal Code:

Site Region:

Environment Impact: Site Municipality: 20104

Nature of Impact:
Receiving Medium:
Receiving Env:
MOE Response:

Site Lot:
Site Conc:
Northing:
Moe Response:

Sate Lot:
Site Lot:
Site Lot:
Site Conc:
Receiving Env:
Northing:

MOE Response:

Dt MOE Arvl on Scn:

MOE Reported Dt:

12/12/1989

Easting:
Site Geo Ref Accu:
Site Map Datum:

Dt Document Closed:

Incident Reason:

GASKET/JOINT

Source Type:

Site Name:

Site County/District:
Site Geo Ref Meth:
Incident Summary:

KENT FUELS - 10-15L OF #2 FUEL OIL TO GROUND, CLEANED UP.

Contaminant Qty:

Site: Nortel Networks<UNOFFICIAL> Database: Nortel Networks<UNOFFICIAL> Ottawa ON SPL

Order No: 21011800277

Ref No: 4030-6GTJE2 Discharger Report: 0

Site No: Material Group: Gases/Particulate

Incident Dt: 9/28/2005 Health/Env Conseq:

Year: Client Type:
Incident Cause: Sector Type: Other

Incident Event: Sector Type:

Agency Involved:

Contaminant Code:Nearest Watercourse:Contaminant Name:HALON (CFC)Site Address:

Contaminant Limit 1: Site District Office: Ottawa

Contaminant Limit 1: Site District Office: Office Contaminant Limit 1: Site Postal Code:

Contaminant UN No 1:Site Region:Environment Impact:Not AnticipatedSite Municipality:Ottawa

Nature of Impact: Not Anticipated Site Municipality: Ottawa

Receiving Medium: Air Site Conc:

Receiving Env: MOE Response:

Dt MOE Arvl on Scn: MOE Reported Dt:

10/3/2005

Dt Document Closed:

Incident Reason:

Site Name: Site County/District:

Site Geo Ref Meth:

Incident Summary: Contaminant Qty:

Site:

Easting:

Nortel Networks<UNOFFICIAL>

Site Geo Ref Accu: Site Map Datum:

SAC Action Class: Spills at Federal Facilities & Spills of National

Other Motor Vehicle

Interest

0

Oil

Ottawa

Ottawa

Tank Truck

Ottawa

Source Type:

Northing:

Geo. W. Drummond Excavating Inc<UNOFFICIAL>

Strandherd Dr and Temporary Ottawa ON

Ref No: Site No:

Incident Dt: 7/14/2005 Year:

Incident Cause:

Incident Event:

Contaminant Code:

Contaminant Name: **DIESEL FUEL**

Contaminant Limit 1:

Contam Limit Freg 1:

Contaminant UN No 1:

Environment Impact: Not Anticipated Nature of Impact: Soil Contamination

Land

7/14/2005

Receiving Medium: Receiving Env: MOE Response:

Dt MOE Arvl on Scn:

MOE Reported Dt: **Dt Document Closed:**

Incident Reason:

Site Name: Site County/District:

Site Geo Ref Meth:

Site:

Incident Summary:

Ottawa: MVA 300 L diesel to road, cleaning Contaminant Qty:

unknown L

MacEwen Petroleum Inc.

Roadway<UNOFFICIAL>

Overturn - Truck Or Trailer

Spill to Air

6067-6EASVT Discharger Report: Material Group:

> Health/Env Conseq: Client Type:

Sector Type:

Agency Involved: Nearest Watercourse:

Site Address:

Site District Office:

Site Postal Code: Site Region:

Site Municipality:

Site Lot: Site Conc: Northing:

Easting: Site Geo Ref Accu: Site Map Datum:

SAC Action Class: Source Type:

Spills to Highways (usually highway accidents)

Database:

SPL

Database:

8700-8QT5DV Ref No: Site No: 23-JAN-12

Incident Dt: Year:

Incident Cause:

Ottawa ON

Incident Event: Contaminant Code: 13

Contaminant Name: FUEL (N.O.S.) Contaminant Limit 1:

Contam Limit Freq 1: Contaminant UN No 1:

Environment Impact: Confirmed Nature of Impact: Soil Contamination

Receiving Medium: Receiving Env: MOE Response:

Priority Field Response (ERP Callout)

Dt MOE Arvl on Scn: 23-JAN-12 23-JAN-12 MOE Reported Dt:

Dt Document Closed: Incident Reason:

Unknown - Reason not determined Leitram and Hawthorne < UNOFFICIAL>

Site Name: Site County/District:

Client Type: Overturn - Truck Or Trailer Sector Type:

Agency Involved: Nearest Watercourse:

Discharger Report:

Health/Env Conseq:

Material Group:

Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality:

Site Lot: Site Conc: Northing:

Easting: Site Geo Ref Accu: Site Map Datum:

SAC Action Class:

Source Type:

Order No: 21011800277

Primary Assessment of Incident

Sewage - Municipal/Private and Commercial

Site Geo Ref Meth: Incident Summary: Contaminant Qty:

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

Site:

Database:

Order No: 21011800277

lot 23 ON

Well ID: 1520631

Construction Date: Primary Water Use:

Domestic

Sec. Water Use:

Final Well Status: Water Supply

Water Type: Casing Material:

Audit No: NA

Tag:

Construction Method: Elevation (m):

Elevation Reliability: Depth to Bedrock:

Well Depth:

Overburden/Bedrock: Pump Rate:

Static Water Level: Flowing (Y/N):

Flow Rate: Clear/Cloudy: Data Entry Status:

Data Src:

Date Received: 8/12/1986

Selected Flag: Yes

Abandonment Rec:

Contractor: 3644 Form Version: 1

Owner: Street Name:

County: OTTAWA

Municipality: GLOUCESTER TOWNSHIP Site Info:

Lot: 023

Concession: Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

Bore Hole Information

Bore Hole ID: 10042473

DP2BR: 19

Spatial Status: Code OB:

Code OB Desc: Bedrock

Open Hole:

Cluster Kind:

Date Completed: 5/5/1986

Remarks:

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:

UTMRC Desc: unknown UTM

Location Method: na

Overburden and Bedrock

Materials Interval

Formation ID: 931045364

 Layer:
 1

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0
Formation End Depth: 15
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931045365

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 14

 Most Common Material:
 HARD

Most Common Material:HARDPANMat2:12Mat2 Desc:STONES

Mat3:

Mat3 Desc:

Formation Top Depth: 15
Formation End Depth: 19
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931045366

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 19
Formation End Depth: 63
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961520631

Method Construction Code:

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10591043

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930074136

Layer: 2

Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:63Casing Diameter:6Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930074135

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:
Depth To: 22

Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991520631

Pump Set At:

Static Level:10Final Level After Pumping:30Recommended Pump Depth:30Pumping Rate:20Flowing Rate:

Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2

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

Draw Down & Recovery

Pump Test Detail ID: 934907164

Test Type:

 Test Duration:
 60

 Test Level:
 30

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 934387380

Test Type:

 Test Duration:
 30

 Test Level:
 30

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 934112517

Test Type:

Test Duration: 15
Test Level: 30
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934648403

Test Type:

 Test Duration:
 45

 Test Level:
 30

 Test Level UOM:
 ft

Water Details

Water ID: 933477931

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

Water Found Depth: 58
Water Found Depth UOM: ft

Water Details

Water ID: 933477930

 Layer:
 1

 Kind Code:
 1

 Kind:
 FF

Kind: FRESH
Water Found Depth: 40
Water Found Depth UOM: ft

Order No: 21011800277

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

AGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial AGR

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

Government Publication Date: Up to Sep 2020

Abandoned Mine Information System:

Provincial

AMIS

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites:

Private

ANDR

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial

AST

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private

AUWR

Order No: 21011800277

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Government Publication Date: 1999-Jun 30, 2020

Borehole: Provincial BORE

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

Government Publication Date: 1875-Jul 2018

CA Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

Government Publication Date: Jan 2004-Dec 2018

Commercial Fuel Oil Tanks:

Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Chemical Manufacturers and Distributors:

Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: 1999-Jan 31, 2020

<u>Chemical Register:</u> Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Government Publication Date: 1999-Jun 30, 2020

Compressed Natural Gas Stations:

Private (

CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 2012 - Sep 2020

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial

COAL

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.*

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial

CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Nov 2020

Certificates of Property Use:

Provincial

CPU

Order No: 21011800277

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

Government Publication Date: 1994-Nov 30, 2020

Drill Hole Database:

Provincial DRL

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

Government Publication Date: 1886 - Sep 2020

Delisted Fuel Tanks:

Provincial DTNK

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: Jul 31, 2020

Environmental Activity and Sector Registry:

Provincial EASR

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 2011-Dec 31, 2020

Environmental Registry:

Provincial EBR

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994-Nov 30, 2020

Environmental Compliance Approval:

Provincial FCA

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 2011- Dec 31, 2020

Environmental Effects Monitoring:

Federal

EEM

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private EHS

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Oct 31, 2020

Environmental Issues Inventory System:

Federal

EIIS

Order No: 21011800277

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

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report:

Provincial

EPAR

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

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

List of Expired Fuels Safety Facilities:

Provincial

EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Federal Convictions: Federal **FCON**

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal

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

Government Publication Date: Jun 2000-Sep 2020

Fisheries & Oceans Fuel Tanks:

Federal

FOFT

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

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal

FRST

Order No: 21011800277

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

Government Publication Date: May 31, 2018

Fuel Storage Tank: Provincial **FST**

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

not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

GEN

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

Government Publication Date: 1986-Jul 31, 2020

Greenhouse Gas Emissions from Large Facilities:

Federal

GHG

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

Government Publication Date: 2013-Dec 2018

TSSA Historic Incidents:

Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

NC

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: Jul 31, 2020

Landfill Inventory Management Ontario:

Provincial

LIMO

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

Government Publication Date: Feb 28, 2019

Canadian Mine Locations:

Private

MINE

Order No: 21011800277

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial MNR

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

Government Publication Date: 1846-Jan 2020

National Analysis of Trends in Emergencies System (NATES):

Federal

NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial

NCPL

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

Government Publication Date: Dec 31, 2018

National Defense & Canadian Forces Fuel Tanks:

Federal

NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites:

Federal

NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal

NEBI

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

Government Publication Date: 2008-Sep 30, 2020

National Energy Board Wells:

Federal

NEBP

Order No: 21011800277

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (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

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

Federal

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, 2020

Ontario Oil and Gas Wells:

Provincial OOGW

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

Government Publication Date: 1800-Jun 2020

Inventory of PCB Storage Sites:

Provincial

OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994-Nov 30, 2020

Canadian Pulp and Paper:

Private

PAP

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

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

Parks Canada Fuel Storage Tanks:

Federal

PCFT

Order No: 21011800277

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

Government Publication Date: 1920-Jan 2005

Pesticide Register:

Provincial PES

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

Government Publication Date: Oct 2011-Dec 31, 2020

Provincial PINC Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: Oct 31, 2020

Private and Retail Fuel Storage Tanks:

Provincial

PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial PTTW

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

Government Publication Date: 1994-Nov 30, 2020

Ontario Regulation 347 Waste Receivers Summary:

Provincial

REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-2016

Record of Site Condition:

Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

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

Retail Fuel Storage Tanks:

Private RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

Government Publication Date: 1999-Jun 30, 2020

Scott's Manufacturing Directory:

Private

SCT

Order No: 21011800277

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial SPL

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

Government Publication Date: 1988-Nov 2019; Jul 2020 - Aug 2020

Wastewater Discharger Registration Database:

Provincial

SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-Dec 31, 2017

Anderson's Storage Tanks:

Private

TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal

TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970-Aug 2019

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: Jul 31, 2020

Waste Disposal Sites - MOE CA Inventory:

Provincial

WDS

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Oct 2011-Dec 31, 2020

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial

WDSH

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 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

Order No: 21011800277

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Apr 30, 2020

Definitions

<u>Database Descriptions:</u> This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

<u>Detail Report</u>: 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.

<u>Distance:</u> The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

<u>Direction</u>: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

<u>Elevation:</u> 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.

<u>Map Key:</u> 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.'

<u>Unplottables:</u> 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.

Order No: 21011800277

Mark St. Pierre

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

Sent: November 21, 2020 2:46 PM

To: Mark St. Pierre

Subject: RE: Records Search request for 720 River Road, Ottawa Ontario.

Please refrain from sending documents to head office and only submit your requests electronically via email along with credit card payment. We are all working remotely and mailing in applications with cheques will lengthen the overall processing time.

NO RECORD FOUND (FUEL STORAGE TANKS ONLY)

Hello. Thank you for your request for confirmation of public information.

We confirm that there are no records in our database of any fuel storage tanks at the subject addresses.

For a further search in our archives please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?mid=392 and email the completed form to publicinformationservices@tssa.org along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard).

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,

Gaya

From: Mark St. Pierre < MStPierre@Patersongroup.ca>

Sent: November 20, 2020 3:57 PM

To: Public Information Services <publicinformationservices@tssa.org> **Subject:** Records Search request for 720 River Road, Ottawa Ontario.

[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 for properties located in the Ottawa, ON:

720 River Road

724 River Road

730 River Road

740 River Road

746 River Road

708 River Road

700 111001 110

Regards,

Mark St Pierre, B.Eng.

patersongroup

solution oriented engineering over 60 years serving our clients

154 Colonnade Road South Ottawa, Ontario, K2E 7J5 Tel: (613) 226-7381 Ext. 243

Email: mstpierre@patersongroup.ca

Cell: (613) 229-9822

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.

Mark St. Pierre

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

Sent: January 22, 2021 11:00 AM

To: Mark St. Pierre

Subject: RE: Records Search request for 708 and 750 River Road, Ottawa Ontario.

Hello,

Thank you for your request for confirmation of public information.

We confirm that there are no records in our database of any fuel storage tanks at the subject addresses.

For a further search in our archives please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?mid=392 and email the completed form to publicinformationservices@tssa.org or through mail along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

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.

Thanks,



Sherees Thompson | Public Information Agent

Facilities 345 Carlingview Drive Toronto, Ontario M9W 6N9

Tel: +1-416-734-3363 | Fax: +1-416-231-6183 | E-Mail: sthompson@tssa.org

www.tssa.org







From: Mark St. Pierre < MStPierre@Patersongroup.ca>

Sent: January 20, 2021 12:50 PM

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

Subject: Records Search request for 708 and 750 River Road, Ottawa Ontario.

[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 for properties located in the Ottawa, ON:

708 River Road

750 River Road

760 River Road

680 River Road

685 River Road 686 River Road 688 River Road 740 River Road 746 River Road

Regards,

Mark St Pierre, B.Eng.

patersongroup

solution oriented engineering over 60 years serving our clients

154 Colonnade Road South Ottawa, Ontario, K2E 7J5 Tel: (613) 226-7381 Ext. 243

Email: mstpierre@patersongroup.ca

Cell: (613) 229-9822

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UTM 118 4144101410 E 5 R 5101/12151710 N Elev. 4 R 0121912



The Well Drillers Act Department of Mines, Province of Ontario

23 DEC 13 1951 GEOLOGICAL SEANCH

В	Basin 215 Department of Mines			rio GEOLOGI	A SHANCH MINE	s
	Water We			ord		
	000	adia Will	Town	or City Sla	ucest	
		`own o	or City)	notices.		
	Date Completed	ı (excludi)				
	Pipe and Casing Record		·	Pumping Test		
	Length(s) of casing(s)	tic level mping leve mping rate ration of t	el est	30	Jph	······································
	Water	Record		Harris and the second	•	
	Kind (fresh or mineral)	,		Depth(s) to Water Horizon(s)	Kind of Water	No. of Fe Water Ris
	Appearance (clear, cloudy, coloured)	m. wa		6/		
	How far is well from possible source of contamination? What is the source of contamination? Enclose a copy of any mineral analysis that has been made o					
	Well Log					
	Overburden and Bedrock Record	From	То	Loca	ation of Wel	1 .
	Boulder Class	0 ft.	S. Ot.	_	elow show dis	
<u> </u>	Sun Sand	30	50		ad and lot li	ine. In-
	Gianl.	50	60	dicate morth	by arrow.	NA
	Saed die grey finnerlone			Ridian Ruin	How the Con ! R. F.	1 January
_	Situation: Is well on upland, in valley, or on hillside?	heli	Leide			
	Drilling Firm		Address	Number	 <i>ff</i>	
	Form 5			Signature of	eague	~~

FORM 5

UTM 1/18 Z 4/4/4/9/9/8 5 R 5 0 1 1 2 1 6 1 0 1 0 N Elev. 4R 0|2|9|2 Basin 2 5 The Well Drillers Act Department of Mines, Province of Ontario Water Well Record Village, Town or City. Slowcester Bellings Bridge Glowceste Glen 3.4. Cost of Well (excluding pump).... **Pumping Test** Pipe and Casing Record Casing diameter(s).... 4. Anch... Date Sept Static level . . . Pumping level 47 feet
Pumping rate 247 gc4 Type of screen..... Length of screen..... Duration of test.... Distance from top of screen to ground level..... Distance from cylinder or bowls to ground level..... Is well a gravel-wall type?.... Water Record Kind of Water Kind (fresh or mineral)..... Quality (hard, soft, contains iron, sulphur, etc.) Wery Slught trust Sulphus
Appearance (clear, cloudy, coloured) For what purpose(s) is the water to be used?.... house hold use only How far is well from possible source of contamination?. What is the source of contamination?.... Enclose a copy of any mineral analysis that has been made of water..... Well Log Location of Well From То Overburden and Bedrock Recordft. In diagram below show distances of 0 ft. well from road and lot line. 2/ licate north by arrow hard pan + boulders 103 Situation: Is well on upland, in valley, or on hillside? ames Kettles. 1 Ramsayville ...Licence Number...

FORM 5

Signature of Licensee



Basin Broken front		ter-well Driller Department of	Mines	ARTICANT OF JUNES	
LOT 21	\circ		Recor		wester
County or Territorial District	aslelo	Township	village, Town or Codress	O10y	
		d	dress Management	ouck-	The Charles
(day)	(month)	(year)			
Pipe and Casing	g Record			Pumping Test	
Carina diameter(a) 5.75		St	atic level46	14.	
Casing diameter(s)	······	Pu	mping rate	50 Y P	H
Type of screen		D11	umning level	Ø *	•••••
Length of screen		1	ration of test	3 A.	••••••••••••
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)
B. lin Clay		577	240	210'	Juck
			 		
Sund	17.	70'			
Timerstone	70.	200			
Sund stone	200	250			
For what purpose(s) is the water			In diagram below	ocation of Well w show distances one. Indicate north	
Is well on upland, in valley, or or		1	road and lot in	N 300'.5	007H. OF- ROP & N- LOTS- 2042
Drilling firm	aghei	E	/) 3	7.1	المهو (
Name of Driller	eagher-		by.	9	700/

Licence Number I certify that the foregoing statements of fact are true.



The Water-well Drillers Act, 1954 Department of Mines

HPARTALIT OF THE

Water-Well Record

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

(day

Pipe and Casing Record

Pumping Test

•	
Casing diameter(s) Length(s) Type of screen Length of screen	Static level 25'
Casing diameter(s)	Pumping rate 162 FPH
Length(s)	Pumping lavel 26
Type of screen	Punction of test
Length of screen	Duration of test

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)	
Red Clay	6	66	78			
Bed Clay Gravel + Sont	66	70				
hard Grey lime.	70	78		53		
				·		

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

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

Name of Driller

Address

I certify that the foregoing statements of fact are true.

Location of Well

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

Richar River

UEM 118 | 2 | 41414131910 | E R 1918 5 0 1 2 75 1410 N

Elev. 9 x 92 8 0

Basin 25 // Basin 25



5930

No

The Water-well Drillers Act, 1954 Department of Mines

Count or Te	RF LO	TI T	Jugania.
	ATTIONTICE DI	o. Perent vini	

...Township, Village, Town or City...... n Village, Town or City).....

Address Ltama

Record

Water-Well

(day)	(month)	(year)	
Pipe and Ca	sing Record		Pumping Test
Casing diameter(s)			Static level 2 Pumping rate 400 galo por 1 Pumping level 30 ft. Duration of test 2 has

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 wate (fresh, salty or sulphur)		
sant gravel	25	90	125	114	fresh		

For what purpose(s) is the water to be used?
Is water clear or cloudy? — Clear
Is well on upland, in valley, or on hillside?
Drilling firm J. Stanton
Address
Name of Driller
Address
Licence Number 223
I certify that the foregoing
statements of fact are true.

Location of Well

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

CSS.33

GLOLOGICAL BRANCH ARIO UEPARTMENT OF MINES

UTM 1/18 Z 41414191410 E | 5 | R | 5 | 0 | / | 2 | 7 | 3 | 0 | N Elev. | 2 | K & 0 | 2 | 9 | 2 |

Basin 275 20 1

The Water-well Drillers Act, 1954

Department of Mines

Water-Well Record

For what purpose(s) is the water to be used? For what purpose(s) is the water to be used? Is water clear or cloudy? Drilling firm Address Licence Number. I certify that the foregoing statements of fact are true.	: Ŋ				
Pipe and Casing Record Pipe and Casing Record Pumping Test Static level 3.0. 5.11. Length(s) 2 Pumping rate 2.0.0. 5.11. Pumping rate 2.0.0. 5.11. Pumping level 4.0. Pumping level	in Village, Town or City)				
Pipe and Casing Record Casing diameter (a)					
Casing diameter (a) Length (s) Type of screen Length of screen Well Log Water Record Water Record To pumping level Hos water (a) The description of test Water Record Water Record To pertify water (b) found To water (c) found To wate					
Type of screen Length of screen Well Log Water Record Dark (1) To think water (2)					
Type of screen Length of screen Well Log Water Record Depth (s) Standard (s) To Standard (s) T					
Type of screen Length of screen Well Log Water Record Darbit() Strict Strict Water rises Overburden and Bedrock Record From St. Darbit() Strict Strict Water rises Overburden and Bedrock Record St. Darbit() Strict Strict Strict Stri					
Well Log Water Record Overburden and Bedrock Record From To Dapth(e) at which water (e) round Address Name of Driller PERCHART MULLULAR Address Licence Number. I certify that the foregoing statements of fact are true. Dapth(e) Water Record Water Record Water Record Water Record Water Record Water Record Rin (ftr. water (e) no public water rises of fact are true. Prom To Dapth(e) water Record Water Record Water Record Water Record Water Record Licence Number. Address Licence Number. January Statements of fact are true.					
Well Log Water Record From To Bepth (s) No. of feet (tr. ft. ft. ft. ft. ft. ft. ft. ft. ft. ft					
Overburden and Bedrock Record The stable of					
Overburden and Bedrock Record To tt. To tt. Water (s) found To tt. Water rises (fr. Water rises No. of feet Water rises (fr. Water rises (fr. Water rises (fr. Water rises No. of feet Water rises (fr. Water rises No. of feet Water rises (fr. Water rises No. of feet Water ri					
For what purpose(s) is the water to be used? Sampstone 71 80 71-80 50 For what purpose(s) is the water to be used? Is water clear or cloudy? Drilling firm 5 TEMPSTONE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nd of water resh, salty, sulphur)				
For what purpose(s) is the water to be used? SAMOSTONE 71 80 71-80 50 F					
For what purpose(s) is the water to be used? SAMOSTONE 71 80 71-80 50 F					
For what purpose(s) is the water to be used? For what purpose(s) is the water to be used? Location of Well In diagram below show distances of well froad and lot line. Indicate north by arm shows the statements of fact are true.					
For what purpose(s) is the water to be used? Is water clear or cloudy? Is well on upland, in valley, or on hillside? Drilling firm STEWBRT MIRUGAN Address Licence Number. I certify that the foregoing statements of fact are true.					
For what purpose(s) is the water to be used? Is water clear or cloudy? Is well on upland, in valley, or on hillside? Drilling firm STEWBRT MIRUGAN Address Licence Number. I certify that the foregoing statements of fact are true.					
For what purpose(s) is the water to be used? Is water clear or cloudy?					
Is water clear or cloudy? Is well on upland, in valley, or on hillside? Drilling firm 5/EWBRT MIJLUGA Address Name of Driller PEBCY 50W Address I certify that the foregoing statements of fact are true.	92511				
Is water clear or cloudy? Is well on upland, in valley, or on hillside? Drilling firm 5/EWBRT MIJLUGA Address Name of Driller PEBCY 50W Address I certify that the foregoing statements of fact are true.					
Is water clear or cloudy? Is well on upland, in valley, or on hillside? Drilling firm 5/EWBRT MIJEUGA Address Name of Driller PEBCY 50W Address I certify that the foregoing statements of fact are true.					
Is water clear or cloudy? Is well on upland, in valley, or on hillside? Drilling firm 5 TEWBAT MISTUGA Address Name of Driller PEBCY-50W Address I certify that the foregoing statements of fact are true.					
Is water clear or cloudy? Is well on upland, in valley, or on hillside? Drilling firm 5 TEWBAT MISTUGA Address Name of Driller PEBCY-50W Address I certify that the foregoing statements of fact are true.					
Is water clear or cloudy? Is well on upland, in valley, or on hillside? Drilling firm 5 TEWBAT MISTUGA Address Name of Driller PEBCY-50W Address I certify that the foregoing statements of fact are true.					
Is water clear or cloudy? Is well on upland, in valley, or on hillside? Drilling firm 5 TEWBRT MILLUGA Address Name of Driller PERCY 5 0 w Address Licence Number. I certify that the foregoing statements of fact are true.	/				
Is well on upland, in valley, or on hillside? UPLAND Drilling firm 5. TEWAST. MISHUGA: Address Name of Driller Address Licence Number I certify that the foregoing statements of fact are true.					
Drilling firm 5 TEWART MIJUGA Address Name of Driller PEBCY-50 Address Licence Number					
Name of Driller PERCY-50 Address Licence Number I certify that the foregoing statements of fact are true.	CLUB-RD				
Name of Driller PEBCI-50 w Address Licence Number I certify that the foregoing statements of fact are true.	71				
Address Licence Number					
Address Licence Number	,				
Licence Number					
I certify that the foregoing statements of fact are true.					
I certify that the foregoing statements of fact are true.					
Date JATIO Signature of Licensee	ester st				
orm 5. Strand Tompelliger					

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Meaghers

The Water-well Drillers Act, 1954 Department of Mines

GROUND WATER BRANCH

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ONTARIO WATER CES COMMISSION

W	ater-	Well	Record	RESOUR
_	1 ~			<u></u>

County or Territorial District. Village, Town or City)...... ddress DD anolick

> (days (month)

(year)

Pipe and Casing Record

Casing diameter(s) Type of screen

Static level Pumping rate 350 J 23 Pumping level Duration of test

Pumping Test

Well Log

Length of screen

Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of wate (fresh, salty or sulphur)
Clay	0.	46'			
time some 6954	46'	2%	3:/*	45'	fresh.

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

..... The Battalone Is water clear or cloudy?

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

welley Drilling firm M W Laghe Address 639 Marian wood C

Collecan Name of Driller M Cashin

Licence Number I certify that the foregoing

statements of fact are true.

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 1/8 Z 4/4/5/0/5/0 E 5 R 5/0/1/2/1/0/0 N



ZA)

GROUND WATER BRANCH 32 X AUG 1 4 1957
ONTARIO WATER

RESOURCES COMMISSION

Basin 2750 11

The Water-well Drillers Act, 1954

Department of Mines

Water-Well Record

County or Territorial District	Carleton	Топт	nghin Villa <i>ga T</i> own	or City	weester		
County or Territogal District	· · · · · · · · · · · · · · · · · · ·	10W1	1 Village, Town or City)				
			Address 777	an a liek			
			·				
(def)	(month)	(year)					
Pipe and Casing	Record			Pumping Test			
Casing diameter(s)			Static level				
			Pumping rate	,' 300 YP. N	7		
Length(s)	XONE		Pumping level	6	. 4. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.		
Length of screen			Duration of test	6			
Well Log				Water Record			
Overburden and Bedrock Record	1 1		1		Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
<i>Ol</i>		4/6-					
. May		16					
Sime stoney	46.	5-10	3%	40'	fuel		
		ļ 					
		 					
		_					
For what purpose(s) is the water	to be used?	1		Location of Well	<i>'</i>		
To assil			In diagram b	elow show distances of	of well from		
Is water clear or cloudy?		l	road and lot	line. Indicate north	by arrow.		
Is well on upland, in valley, or on				N	, <i>y</i>		
Drilling firm M. M. a.		••••••	/	and the second	J. A. C.		
Address 439 Barret				1	ONTH LOT LINE		
Address	Varva:		y nr	72	•		
Name of Driller 200	caghe		BF	/	i O mad mad mad an oral		
Address				Control of the contro	Q X & 2		
				7 . 60			
Licence Number				2.45			
I certify that the			166	Wie			
statements of fact		,					
Date July 18 700 W	Jughe	4	In I	124 0.	21160		
SI SI	gnature of Licens	ee	* *	Bligger	rija – 1991 i rija stoj. T		

Form

UTM 18 Z 41415101910 E



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LEDUND WATER BESTEDS

NOV 26 1957

ONTARIO WATER
RESOURCES COMMISSION

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Basin 2 5 F

The Water-well Drillers Act, 1954

Department of Mines

Water-	Well	Record

Date completed	D. J. Ta		hip, Village, Town or Con Village, Town or Conddress	City Hae	usler
(day)	(month)	(year)			
Pipe and Casing	Record			Pumping Test	
Casing diameter(s) Length(s) Type of screen Length of screen	HONE		Static level	0	
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	<i>D</i> ·	46			
Linestone	46'	3%	31'	35.	Jusk

Is water clear or cloudy?

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

Date Colly Management Signature of Licensee

Location of Well

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

BF LOTZL

UTM 18 Z 41415101910 E | 5 R | 5 0 1 1 1 1 8 16 10 N



A)

GROUND WATER BRANCH
15 Nº 329
NOV 2 6 1957
ONTARIO WATER
RESOURCES COMMISSION

Elev. 4 R 021910

Byokon Front

Basin 215

The Water-well Drillers Act, 1954

Department of Mines

Water-Well Record

K'	De le ton		nip, Village, Town or	City Slave	uster
			np, vinage, rown or C	lity)	
			n Village, Town or C	wtick!	
Data completed			iddi obb		
Date completed	(month)	(year)			
Pipe and Casing	g Record			Pumping Test	
W 11			24-42-1		
Casing diameter(s)	••••••		Static level	60 HP3	/
Length(s)	HOHE		Pumping rate	/	
			Duration of test		
Length of screen	****************		Duration of test		
Well Log				Water Record	
		1	1 Depth(s)		Kind of water
Overburden and Bedrock Record	From ft.	To ft.	at which water(s)	No. of feet water rises	(fresh, salty,
	it.	16.	found	water rises	or sulphur)
$-\rho\rho$		1111			
Elay		46'			
<i>(</i>					
P. Tanada	46	5-2	5.2.	36.	-Lus
- Janes - Land					
					-
				-	
		1	•		
For what purpose(s) is the water			Le	ocation of Well	
Mame	22	į.	In diagram belov	v show distances of	f well from
Is water clear or cloudy?		211		e. Indicate north	by arrow.
Is well on upland, in valley, or or	n hillside?	recy	$\langle \cdot \rangle$.	N LE OIL.	
701 301				M. L.	1 1 1
Drilling firm	a gara	1.2	3/2	no y	buester &
Address 639 Maroan	20004	(•
	areot			· /	
Name of Driller	la flui	3			
Address			Es 14 VI	1/2	
Ica I			1/4,7	145 B.F	
Licence Number 2		}	A A B	5 fet 2	.2.
I certify that the			1 to Da		
statements of fact	t are true.	,	Long to Ha.		
De Motions	1. make			_\V	
Date. L. M. L. J.	Signature of Licens			0 5	-11
				BFZ	0/26
_					

UTM 118 Z 41415101710 E



Z.A.

NOV 2 6 1957
ONTARIO WATER
RESOURCES COMMISSION

S. Bof LoT26

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Basin | 2 | 5 | | | | |

The Water-well Drillers Act, 1954

Department of Mines

Water-Well Record

RE	Al h I	4 20 M	hip, '	Village, Town or	City Slave	uster
			n Vi	llage, Town or C	ity)	*****************************
			Addr	ess Janea	no teck	
Date completed, (day)	(month)	(year)				
Pipe and Casing	g Record				Pumping Test	
Casing diameter(s)			Stati	c level	75.4.D	
Length(s)	••••••		Pum	ping rate	75-41	3/
Type of screen	NOHE		Pum	ping level	<i></i>	
Length of screen	,		Dura	tion of test	Loca i	••••••
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)
Play	1	1/6	,			
fine a lone	46'	13	<u> </u>	5.2'	3/0	The said
						<u> </u>
	<u> </u>					
		_				
For what purpose(s) is the water					cation of Well	f well from
Is water clear or cloudy?	Lean .			-	snow distances of . Indicate north	
Is well on upland, in valley, or on	hillside ?	a high			3 M	44
		<i>'</i>			16	Land Plan
Drilling firm	alian le	· · · · · · · · · · · · · · · · · · ·		. 5	521 11	<i>,</i>
Address L. H. A. M.	114			3	F 1 30 1	
Name of Driller		······				11/ 16
Address		ft		À	2/4/~	Yoursh
				B.1	F 3 11	Ymy
Licence Number	••			Softa.	2 3	
I certify that the				1/1	9 9	
statements of fact	are true.			Jones	ZRI	
Date Dec 14 M	lagher					
	ignature of Licens	ee				

Form 5

Eley, AR, Ozrgiot

Basin 121522





The Water-well Drillers Act, 1954

Department of Mines

Water-Well Record

Casing diameter(s)

Length(s)

Type of screen

Length of screen

Duration of test

Pumping Test

Static level

Pumping rate

Pumping rate

Duration of test

Well Log

Water Record

From To Depth(s) at which water (s) found

No. of feet (fresh, salty, or sulphur)

Duy mud

Day mad

Bellum rand Ed.

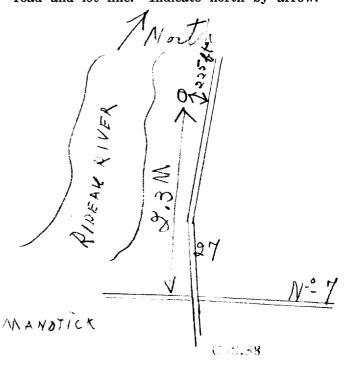
Rind of water rises

Rind of water

For what purpose(s) is the water to be used?
1 37 mm
Is water clear or cloudy?
Is well on upland, in valley, or on hillside?
Hilling
Drilling firm JR Prosette
Address 1652 Bank June A D
Eth ver ist
Name of Driller
Address
Licence Number3.2.2
I certify that the foregoing
statements of fact are true.
y w your manufactures
Date Jan 18/2-8 Signature of Licensee
Signature of Licensee

Location of Well

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



Form 5

Basin 25



31956.

GROUND WATER BRANCH

15 Nº 4662

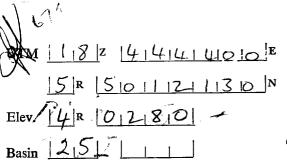
JUN 1 3 1958

ONTARIO WATER
RESOURCES COMMISSION

The Water-well Drillers Act, 1954 Department of Mines

Water-Well Record

County or Territorial District	C. C. T.	···· *	hin W	illaga Tarres an	Cita Data	
					City	
					·····	
Date completed	4. C					
(day)	(month)	(year)				
Pipe and Casing	Record				Pumping Test	
Casing diameter(s)			C4 - 4.1 -	1 8	21	
Length(s) 63	•••••••••••••••••	• • • • • • • • • • • • • • • • • • • •	Static	level	360 9PI	3
Type of screen			Pumni	ing rateing level	20 1	<i>L</i>
Length of screen	C				340	
Well Log					Water Record	
_	From	ma	1	Depth(s)		Kind of water
Overburden and Bedrock Record	ft.	To ft.		at which water(s) found	No. of feet water rises	(fresh, salty, or sulphur)
				15unu		
Clar	0	40				
Bolly Grand	41	6/		166	100	
	-G/	170		188	180	Just
	···			 		
				-		
						
		.				1.20.
For what purpose(s) is the water to	be used?			Loc	ation of Well	Acin
18 auchald			In	diagram below	show distances of	well from
Is water clear or cloudy?	/	Viele	roa	id and lot line.	Indicate north	by arrow.
Is well on upland, in valley, or on h	illiside (jsh.c.	k.us.e.u			ป	
Drilling firm & Duffe				de la	To V	
Address VOLS DOL	ullur			41		
				W		
Name of Driller	f				7	V
Address	T. Jane	eni		A CONTRACTOR	المعا	J
Hull	***************************************			ब्रो		
Licence Number				*	NEW/	
I certify that the fo	- -			\boldsymbol{z}	\ //	
statements of fact an	re true.				V old	i de de
Date June 11/58 W	/can	,		/		LEKY
	ature of License	9		//	500 60	
		/		//		W
orm 5 / Ker)	Dul	A		1/2	may Ru	
				11'	Moere Css.s	8
,				1 '	(1	









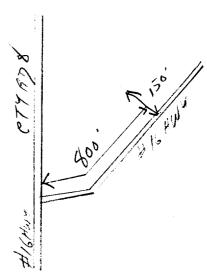
15GROUND WATE 4 66 ANCH ONTARIO WATER SSCOUNCES COMMISSION

The Water-well Drillers Act, 1954 Department of Mines

			hip, Village, Town or C n Village, Town or C Address	ity)	••••••
Date completed3/	(month)	(year)			
Pipe and Casi	•	(3691)		Pumping Test	
Casing diameter(s)		·			
Length (s)			Static levelPumping rate5	0.5.6923	Pario 16
Length(s)	NONE	***************************************	Pumping level	145'	(Ŧ G
Length of screen			Duration of test	60 HAS	······
Well Lo	g			Water Record	
Overburden and Bedrock Record	From	То	Depth(s) at which	No. of feet	Kind of water (fresh, salty,
CLAY SOLY	ft.	2	water(s) found	water rises	or sulphur)
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		3			
CLAY, 562	3	4			
GAULLEY CLOY	47	6 >			
1 px 4 3,22 0263	62	104			
	6/_				
BUY 211715 70116	W 0 4	196	140	1/0	
542057000	196	295	196	183	
Chry Janos Brand	2.95	298	295	287	Jan Garage
For, what purpose (s) is the water	5 4 2		Loc In diagram below	cation of Well	well from
Is water clear or cloudy? Is well on upland, in valley, or or	n hillside?	1	road and lot line		
Drilling firm BARAS CARACAN Address C			23	E 15	6//
Name of Driller	TEPA 3770WA		10	100	(py)
Licence Number 590	••••	•••••			

statements of fact are true Signature of Licensee

I certify that the foregoing



UTM /18 2 4141419191



GROUND WATER BRANCH

ONTARIO WATER RECORDES COMMISSION

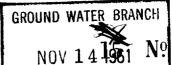
135 R 5 OT 11 11 9 1 8 10 N Ontario Water Resources Commission Act

Elev. AR BISIS WATER WE	LL REC	ORDRES	OURGES COMMISS	Stun
Basin 215 WAIER WE				
Con. Lot 1/2 of 22	Date completed	6 JWRO	1961	vear)
Owner (kirk Builders) C. Mixor (print in block letters)	Address Jex 11	26 HR#3 Ott	wa, Merry	iare
Casing and Screen Record		Pumpin		
Inside diameter of casing. 5" & 4"	i		25 :	
Total length of casing 88' ef 5" & 10' ef 4"				
Type of screen nil				
Length of screen mil			l Kour	
Depth to top of screen mil		•	test elendy.	
Diameter of finished hole			10	
	with pump set	ting of 27	feet belo	w ground surfac
Well Log				r Record
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Clay & Boulders Grey Limestone	61	120 '	120 '	fresh
For what purpose(s) is the water to be used? New Neme Is well on upland, in valley, or on hillside? Drilling or Boring FirnBLAIR PHILLIPS DRILLING CO. LTD.	In diag	ram below show	of Well v distances of we dicate north by	ell from arrow.
Address. Ottom	~ / X	M 3 W 21	ot 3NA1	EAS
Licence Number 226			1	
Name of Driller or Borer No. Ssteps		00		
Address Ottawa				•
Date 7 June 1961				*.
(Signature of Licensed Drilling or Boring Contractor)	<u> </u>	1	Y	
Form 7 15M Sets 60-5930				
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OWRC COPY

UTM 1/18 Z 41414181610 E





asin 2 5 Carleton	Township, Village, To	wn or City	Glouceste	r
Con. B.F. \AP Lot 22	Date completed 17	day	Aug.	1961 year)
	Address Ott			
Casing and Screen Record		Pumping	Test	
Inside diameter of casing 6"	Static level	41		
Total length of casing 30 !	Test-pumping rat	e 127		G.P.M
Type of screen None	Pumping level	35		
Length of screen	Duration of test p	umping 4	8 hrs.	
Depth to top of screen	Water clear or clo	udy at end of	test clea	r
Diameter of finished hole	Recommended p	umping rate	120	G.P.N
Diameter of finished note	with pump setting	g of 35 1	feet belov	w ground surfa
Well Log			Water	Record
Hobe No. 2 Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Sand - Clay - Small boulders-	0	35		
GRAUEL + Sand	35	42	35 - 42	fresh
For what purpose(s) is the water to be used? Test drilling	ng	Location	of Well	
for proposed sub - division	In diagran		distances of we	
Is well on upland, in valley, or on hillside? Uplands	road and	lot line. Inc	dicate north by	
Drilling or Boring Firm J.P. Dufresne & Co. Ltd.				10
Drilling of Boring Pirm	B.	F.	CONI T	R.F /'
Address Ottawa, Ontario	···	20	CONI T	· 21
Address Ottawa, Ontario	201	20	L 07	20
Licence Number 194				
Name of Driller or Borer W. Roy	•	\uparrow 1		
ны11 Р. %.	,4			
Nov 4 1961		Ψ		
Date		\longleftrightarrow		
	*** 1	680'	1	
(Signature of Licensed Drilling of Boring Contractor)		600		Δ
(Signature of Licensed Drilling of Boring Contractor) Form 7 15M Sets 60-5930		600		l

18244494101 Fire 5 4 5 8 1 1 8 00



GROUND WATER BRANCH

NOV 14 1961

1510695

The Ontario Water Reso	urces Com	mission /	Act	-cn	
The Ontario Water Resort 4 R2 0 2 9 5 WATER WEI	L R	ECC	COMI	MISSION	
County or District Carleton		Village To	own or City	Houceste	r
County or District Carleton	i ownsnip, v	mage, 10	A.		61
County or District Gal 100 of 1 Con. B.F. — R P Lot 22	Date comple	eted (day	month	year)
Owner McRostie & Associates (print in block letters)	Address	Otta	awa, Onta	rio	
Casing and Screen Record			Pumping		
Inside diameter of casing 6"	Static le	evel	41		
Total length of casing 271	Test-pu	mping rat	te20		G.P.M.
A.V	l l	ng level	<i>1</i> . ○ 1		
Type of screen None	1 umpin	ig icver	. 2	hrs.	
Length of screen	Duratio	on of test p	umping	ale	ລາ
Depth to top of screen	Water	clear or clo	oudy at end of t	est	ar
	Recom	mended p	umping rate	18	G.P.M.
Diameter of finished hole	with p	ump settin	g of 40	feet belo	w ground surface
Will Lon	<u> </u>			Wate	r Record
Hole No. 1 Well Log Overburden and Bedrock Record		From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
		0	2		
Top soil		2	2 7		
Clay, Boulders, Gravel, Sand &	I	2 7	42	28-42	fresh
Dolamite					

(): de extente he weed? Test drilling		Locatio	n of Well	
Dolamite	27	42	28-42	f#esh_
Clay, Boulders, Gravel, Sand 🏂	2	2 7		
Top soil	0	2		
Overburden and Bedrock Record	From ft.	To ft.	which water(s) found	(fresh, salty, sulphur)

For what purpose(s) is the water to be used? Test drilling for proposed sub-division. Is well on upland, in valley, or on hillside? uplands Drilling or Boring Firm J. B. Dufresne Co. Ltd.

Ottawa, Ont. Address.

194 Licence Number.

W. Roy Name of Driller or Borer

Hull, P.Q. Address....

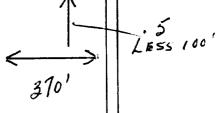
(Signature of Licensed Drilling or Boring Contractor)

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

Lo+ 20



CSC.SB

HTM 100 Z 11115	1016	10 E	į
UTM 118 2 41415		lar	



GROUND WATER BRANCY

5-18 5-10 1/16 9 10 N Ontario Water Resources Commission Act Elev. 4 R 0121910 WATER WELL

_	-ONTARIO	WATER
K	DIRGES	WATER COMMISSION

Basin 215 Carlet	cn	_	2
County or District		7	
Con. BF - RF _{Lot}	2 3 _		

...Township, Village, Town or City...... Gloucestor Date completed (day

dress R.R. 1, Manotick Station,

Casing and Screen Record	Pumping Test
Inside diameter of casing 2"	Static level 23
Total length of casing 51 t	Test-pumping rate 2.5 G.P.M.
Type of screen Nil	Pumping level
Length of screen N17	Duration of test pumping 1 Hr.
Depth to top of screen Nil	Water clear or cloudy at end of test Clear
Diameter of finished hole 2"	Recommended pumping rate 5 G.P.M. with pump setting of 35 feet below ground surface
	Water Perend

Well Log			Waler 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	21	82	Fresh	
Sand, Bolders & Gravel Sand Stone	21 49	49 85			

For what purpose(s) is the water to be used?	House
Is well on upland, in valley, or on hillside? Drilling or Boring Firm J.B. Dufresne	Uplands & Co. Ltd.
Address 1014 Maitland Ave Ottawa, Ont.	
Licence Number Name of Driller or Borer Address Hull, Que. Date December 1, 1961 (Signature of Licensed Frilling or Boring)	

Location of Well

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

Lo +23 RCMP だった。

Form 7 15M Sets 60-5930

UTM 1/18 Z 41414181010 E	7/5b.	, ,	AROUND Or	15 8 No.	7 %
Broken Front Elev. 4 B 0121715 WA	Ontario Water Resource	es Commission	R DCES	3 to 3 0 nater commission	
Basin Z 5 County or District (arl	Tow Date	e completed		aug month out	63 year)
Casing and Screen Reco	rd		Pumping	Test	
Inside diameter of casing 6 %		Static level	17		
		Test-pumping rat	e /0		G.P.M.
Type of screen		Pumping level	103	· · · · · · · · · · · · · · · · · · ·	
Length of screen	ľ	Duration of test p	umping	2 his	
Depth to top of screen		Water clear or clo	oudy at end of	test est	ridiz
Diameter of finished hole 6		Recommended p			
		with pump settin	g of /2 8	feet below	ground surface
Well Log					Record
Overburden and Bedrock	Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
~ <i>(</i>)		0	60	90	é t
as a will		60	64	140	11
Ilimestone		65	205	209	
sandstone		205	211		
Similar T					
			Location	of Wall	
For what purpose(s) is the water to be used?	land	In diagra		distances of wel	l from
old house & ne		road and	lot line. In	dicate north by	arrow.
Is well on upland, in valley or on hillside? Drilling or Boring Firm Capital	Hoter	4. 1			
Drilling or Boring Firm	only				_
Address 1243 Auron R	8			•	00.
Address / 2 / 3 / 1	Tavo	Ħ	2.4	75 mm	- ₹ 6
Licence Number 976	CE		#) 5		
Name of Driller or Borer & Ku	\mathcal{U}		Andrew State of State		
Address		8		11	
Date , 26 Aug 196	3	A		20	
Walter Souran	aah	1			
(Signature of Licensed Drilling or Bo	ring Contractor)	13		e N _{acci} er	
Form 7 15M-60-4138		Y		CSS.S8	
OWRC COPY				0,0.00	

Drilling or Boring Firm.

Licence Number

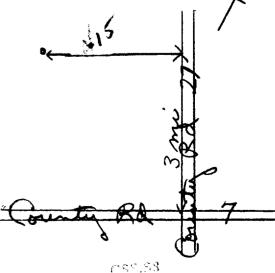
Name of Driller or Borer

Address

(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

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	1	C5b		
UTM 118 2 14 14 15 17 10 E	TUE		ER RESOURCES	4004
	ources Commission	Act	DIVISION	
Eldv. 5 R 1012-1710 WATER WE	LL REC	ORDS	EP 211964	/ `
Basinty or District L Garloton		ŧ	TARI MENETA	
	Date completed	20 44	st-1964	
The market of the same of the	Address 40 Sher	(day	month Ottawa 12, Or	year) at.
Owner. Kirk Builders (6ttawa) Limited (print in block letters)	Address			
Casing and Screen Record			ng Test	
Inside diameter of casing	1		1	
Total length of casing 69 !	Test-pumping r	ate 5		G.P.M.
Type of screen nil	Pumping level	6	• •	
Length of screen	Duration of test	pumping	1 Mear	
Depth to top of screen	Water clear or cl	loudy at end o	f test eloudy	***************************************
Diameter of finished hole	Recommended	pumping rate	75 •	5 G.P.M.
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	with pump setti	ng of 75 •	feet belo	w ground surface
Well Log			Water	r Record
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Clay & Boulders	91	58 1		
Limestene	58 *	175	175 '	fresk
For what purpose(s) is the water to be used?			of Well	
New I cane			w distances of we ndicate north by	
Is well on upland, in valley, or on hillside?	Toau and	i lot iiiic. Ii	dicate north by	arrow.
Drilling or Boring Firm	1/214:		F 16 H	
El air Phillips Brilling Co. Ltd.	. \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	_	H	W.
Address Ottawa	Ser! +	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	<i>`</i>	1.
	~/	TA.		
Licence Number 1474		1//(HOLETON
Name of Driller or Borer		7 //	HWYTHE	AGETER
Address RR R Kars, Out.		34	1/4	
Date 20 Inc. 1964		·	Võ	
P.Bo hilling		S AS A	_	~~~
(Signature of Licensed Drilling or Boring Contractor)	/			~~~
Form 7 15M-60-4138		-//	V)

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WATER RESOURCES AUG 8 1967

118 2 74 415 1013 10 E

Z 1 3 1 / OTHE Ontario Water Resources Commission Act

ONTARIO WATER RESOURCES COMMISSI

Con...

. Township, Village, Town or City Glouvester

Date completed 22 July 1967

Casing and Screen Record			Pumpi	ng Test			
Inside diameter of casing 5"	Sta	tic level	15*				
Total length of casing 64 ft.	Tes	st-pumping 1	ate 30		G.P.M		
Type of screen nil				.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Length of screen n/a				l Hour			
Depth to top of screen				of test cloudy			
Diameter of finished hole		commended	pumping rat	30	G.P.M		
	wit	th pump setti	ng of 251	feet belo	w ground surfac		
Well Log				Water	Water Record		
Overburden and Bedrock Record		From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)		
Clay		01	151				
Clay & Boulders		151	501				
Sand & Boulders		50°	601				
Grey Limestone		601	85°	821	fr.		
For what purpose(s) is the water to be used?			Locatio	n of Well			
new Home				w distances of we			
Is well on upland, in valley, or on hillside? Upland		road and	d lot line. I	ndicate north by	arrow.		

Blair Phillips Drilling Co. Ltd.,

Address 1119 Falaise Road, Ottawa 5, Ont.

Licence Number 2562

Name of Driller or Borer Ron. Phillips

Address Manotick, Ont.

(Signature of Incensed Brilling or Boring Contractor)

Form 7 15M-60-4138

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CSS.58

Con B.F. Control Can B.F. Con	urces Commission A L REC ownship, Village, To ate completed	Act RD own or City 20 Augustia	ATER RESOURCES DIVERTURE AUG 2 7 1969 ONTO BO WATER AUGS COMMISSIE LET 1968 month Ottawa, Cnt.	year)
	lress			
Casing and Screen Record	Static level	Pumpin		
Inside diameter of casing 40 of 5" & 10 of 2"	Static level Test-pumping ra	c	10	GPM
Total length of casing 40 5 7 10 "	Test-pumping ra	te ······ \	 T	G.F.M.
Type of screen nil	Pumping level			
Length of screen n/a	Duration of test p			
Depth to top of screen	Water clear or clo	oudy at end of	test Clear	
Diameter of finished hole	Recommended p	umping rate	70	G.P.M.
	with pump settin	g of	25 feet below	w ground surface
Well Log				Record
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
GREY CLAY - Bouldoes.		40		
GREY CLAY - Bouldous. SANDSTONE	40	57	5- S F.	FRESH
For what purpose(s) is the water to be used? Winterized cottage Is well on upland, in valley, or on hillside? Drilling or Boring Firm Blair Fhillips Drilling Co. Ltd., Address 1119 Falaise Rd., Ottawa 5, Ontario. Licence Number 2779 Name of Driller or Borer Rom. Fhillips Address 1440 Mayvies Apt. #207 Sttawa, Ont. Date 20 Angust 1968 (Signature of Licensed Drilling or Poring Contractor) Form 7 15M-60-4138 OWRC COPY	road and	m below show	of Well w distances of we dicate both by	arrow.



WATER WELL RECORD

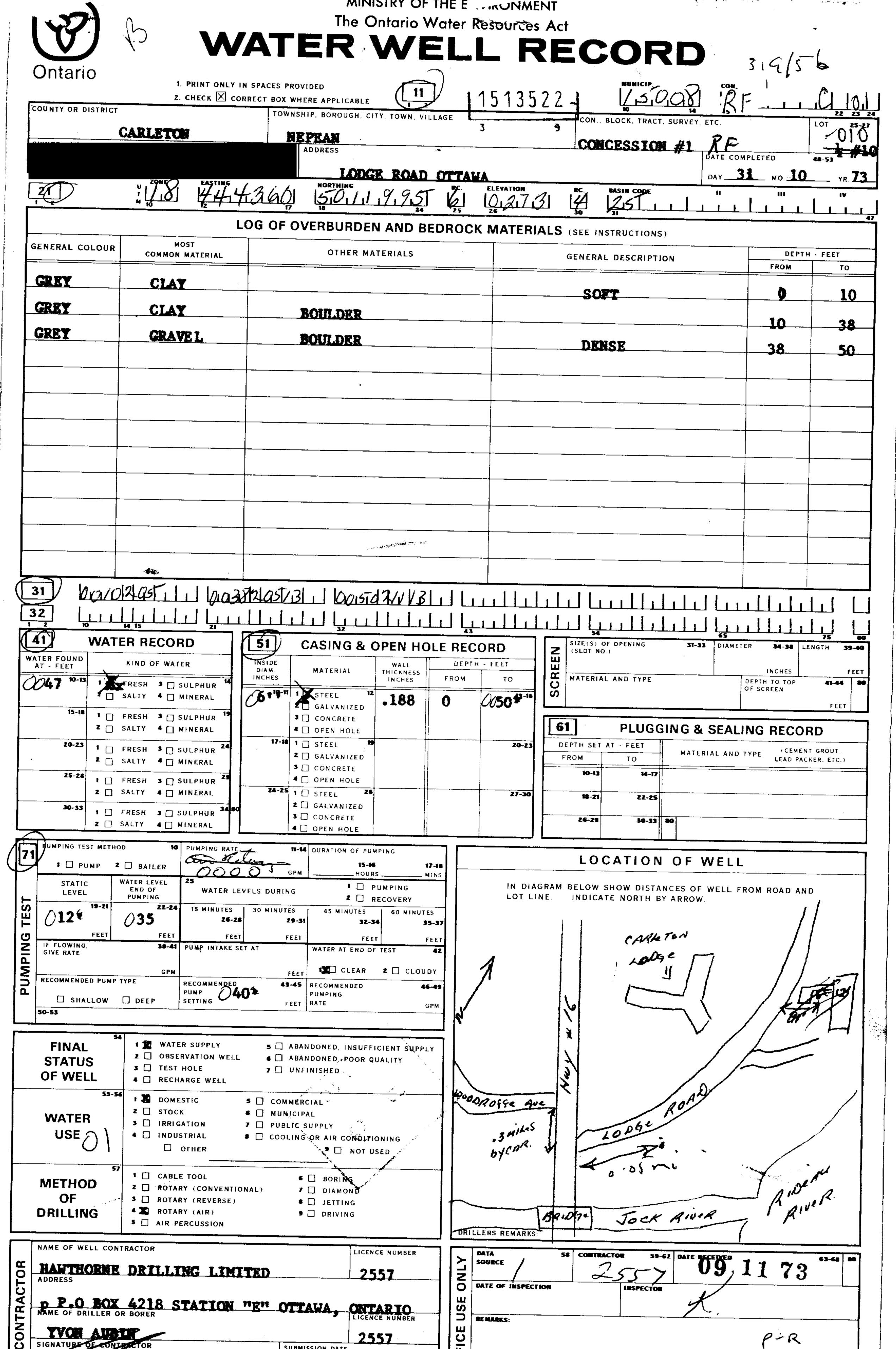
Water management in Ontario 1. PRINT ONLY IN SP.	ACES PROVIDED T BOX WHERE APPLICABLE T 1 2	510831 - 15,002	B F 12 23 24
COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE 3	9 CON., BLOCK, TRACT, SURVE	KF 022
	nontil) At	DAY 15 MO 7 YR 70
	HING RC.	ELEVATION RC. BASIN CODE	<u>ii</u> <u>iii</u> <u>v</u>
1 2 10 12 LO	G OF OVERBURDEN AND BEDROC	K MATERIALS (SEE INSTRUCTIONS)	DEPTH - FEET
GENERAL COLOUR COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	FROM TO
brown clay	A	soft	0 55
grey sand	boulders	palked	55 72
grey sandilone		naro	
	ddad d llagaddid l l		
32	<u> 4409/13 409443/18 </u>	33 54	65 75 80
41 WATER RECORD	51 CASING & OPEN HOLE	RECORD PTH - FEET SIZE(S) OF OPENING (SLOT NO.)	31-33 DIAMETER 34-38 LENGTH 39-40
WATER FOUND AT - FEET 10-13 1 FRESH 3 SULPHUR 14	DIAM. MATERIAL THICKNESS FROM	MATERIAL AND TYPE	DEPTH TO TOP 41-44 80 OF SCREEN
15-18 1 FRESH 3 SULPHUR 19	2 GALVANIZED 78 8 0 3 □ CONCRETE		& SEALING RECORD
2 SALTY 4 MINERAL 20-23 1 FRESH 3 SULPHUR 24	17-18 STEEL 19	DEPTH SET AT - FEET FROM TO	ATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
2 SALTY 4 MINERAL 25-28 1 FRESH 3 SULPHUR 29	05 3 □ CONCRETE 4 ■ OPEN HOLE 24-25 1 □ STEEL 26	27-30 18-21 22-25	
2 SALTY 4 MINERAL 30-33 1 FRESH 3 SULPHUR 2 SALTY 4 MINERAL	2 ☐ GALVANIZED 3 ☐ .CONCRETE	26-29 30-33 80	
PUMPING TEST METHOD 10 PUMPING RAT		LOCATION	OF WELL
PUMP 2 BAILER 000 9	GPM. 15-16 17-18 HOURS MINS.	IN DIAGRAM BELOW SHOW DISTANCES LOT LINE. INDICATE NORTH BY ARRO	OF WELL FROM ROAD AND
SIATIC END OF PUMPING 19-21 22-24 15 MINUTE 26	2 RECOVERY 5 30 MINUTES 60 MINUTES 29-31 29-31 32-34 7 635-37	25	11 ≠ 1
OLD FEET OGO	SET AT WATER AT END OF TEST 42	1	
GPM. RECOMMENDED PUMP TYPE RECOMMENDE	FEET □ CLEAR 2	j jmi;	/
SHALLOW DEEP SETTING	FEET RATE 5 GPM.	trave	
FINAL 54 WATER SUPPLY 2 OBSERVATION WE	5 ABANDONED, INSUFFICIENT SUPPLY ELL 6 ABANDONED, POOR QUALITY		49
STATUS 3 TEST HOLE 4 RECHARGE WELL	7 D UNFINISHED	<u> </u>	607 ZS
ST-56 I DOMESTIC 2 STOCK 3 DIRRIGATION	5 COMMERCIAL 6 MUNICIPAL 7 PUBLIC SUPPLY	Ric	Jan Rd
USE 0/ 4 INDUSTRIAL OTHER	8 COOLING OR AIR CONDITIONING 9 NOT USED		3 20726
METHOD 57 CABLE TOOL 2 ROTARY (CONVEN	(TÉONAL) 7 □ DIAMOND		171 C3
OF 3 GROTARY (REVERS	8 DETTING 9 DRIVING	DRILLEGG DEMARKS	_
MANE OF WELL CONTRACTOR	LICENCE NUMBER	DATA 58 CONTRACTOR 59-6:	DATE RECEIVED 63-68 80
a apital Haler	Jupply 1558	DATE OF INSPECTION INSPECTOR	٦,
NAME OF DRILLER OF BORER	Collaws 6	REMARKS:	1 Kin
SIGNITURE OF CONTRACTOR	SUBMISSION DATE	OFFICE	1/2
OWRC COPY	DAYMOYR		

		ources Commission Act	
	WATER WE	LL RECORD	31950
Water management in Ontario 1. PRINT OF	NLY IN SPACES PROVIDED 11	1511327 - MUNICIP. ACAD CON B. 15	22 23 24
COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAG	BF RF .	LOT 25-27 0.2
17 7: X V	To see the	DATE C	17 MO 5 YR 71
	10 (22/10)	RC. ELEVATION RC. BASIN CODE !!	1 <u>11</u> <u>iy</u>
1 2 " 10 12	LOG OF OVERBURDEN AND BED	ROCK MATERIALS (SEE INSTRUCTIONS)	
GENERAL COLOUR COMMON MATER	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH — FEET FROM TO
brown cl	ay	hard	0 20
blue cle	<u>~</u>	- Suft	20 60
hard land	boulders	hard	60 64
blue lime		hard	66 125
grey sone	detone some quar	ty hard	125 248
0 0	,		
(31) lagadelast 1		1 91253151 1 9248218201	
32	21 32	43	65 75 80 DIAMETER 34-38 LENGTH 39-40
WATER RECOR	INSIDE WALL	DLE RECORD DEPTH - FEET DEPTH - FEET	INCHES FEET DEPTH TO TOP
water ound kind of water feet 10-13 1 Fresh 3 Sul	/ % / Sieer / X X	FROM TO MATERIAL AND TYPE	OF SCREEN
15-18 1 FRESH 3 SUI	LPHUR 19 01 A STOREETE		EALING RECORD
2023 1 FRESH 3 SUL	24 17-18 1 STEEL 19 LPHUR 2 GALVANIZED	FROM TO MATERIAL	AND TYPE (CEMENT ROOT)
1 FRESH 3 SU 2 SALTY 4 MII	LPHUR 29 4 OPEN HOLE VERAL 24-25 T STEEL 26	27-30 18-21 22-25	
30-33 1 FRESH 3 SU 2 SALTY 4 MI	2 GALVANIZED 1 GALVANIZED 3 CONCRETE NERAL 4 OPEN HOLE	26-29 30-33 80	
(71 0 100		7-18 LOCATION OF V	
STATIC LEVEL PUMPING	WATER LEVELS DURING 2 RECOVERY	IN DIAGRAM BELOW SHOW DISTANCES OF WE LOT LINE. INDICATE NORTH BY ARROW.	ILL FROM ROAD AND
19-21 22-24	080 120 120 120	ES 5-37 D	,23 2(
Z IF FLOWING, 3B-41 P	UMP INTAKE SET AT WATER AT END OF TEST 1 CLEAR 2□ CLOU	42 DY	
RECOMMENDED PUMP TYPE R	UMP / A TOMPINGT /)	6-49 GPM.	
50.53	./FT. SPECIFIC CAPACITY		7
FINAL 2 OBSER STATUS 3 TEST	VATION WELL 6 ABANDONED, POOR QUALITY	PLY	
OF WELL 4 RECHA	RGE WELL		W
WATER 2 STOCK	6 MUNICIPAL ATION 7 PUBLIC SUPPLY		41/2
USE // 4 INDUS			13
	TOOL 6 BORING Y (CONVENTIONAL) 7 DIAMOND Y (REVERSE) 8 DIETTING		
DRILLING 4 ROTAR		DRILLERS REMARKS:	Sum Cute
WANTE OF WELL CONTRACTOR	Later Supply 1558	DATA SOURCE / 58 CONTRACTOR 59-62 DATE / 55-8	190871 63-68 80
O ADDRESS Cashfor	d Dr Ottawa		m.
NAME OF DRILLER OR BARER	LICENCE NUMBER	1 1 1	P / -
SIGNATURE OF CONTRACTOR	AVALUE AND MO YR.	OFFICE	WI
OWRC COPY			<u>A</u>



The Ontario Water Resources Commission Act WATER WELL RECORD

		ACES PROVIDED T BOX WHERE APPLICABLE TOWNSHIP, BOROUGH, CITY		513342 CON., BLOCK,	TRACT, SURVEY, ETC.	22 23 24 LOT 25-27
COUNTY OR DISTRICT		Gloucester		B-F- (R.F.)	021 ED 48-53
		,,	N	KOA 2NO	ļ	mo€ 07 y73
		# 1	Manotick 446	ELEVATION RC BASIN C		
ــــــــــــــــــــــــــــــــــــــ	10 16	7112	24 25	26 30 31		47
ļ	Most	Т		GENERAL DES		DEPTH - FEET
GENERAL COLOUR	COMMON MATERIAL	OTHER MAT	ERIALS	GENERAL DES		
brown	clay			packed		0 15
brown		boulders		packad		15 35
blue	clay	boulders		soft		35 60
grey	clay	sand and grav	el	packed		60 73
grey	limestone			hard	 ,	73 220
white	sandstone			hard		220 272
TI PUMPING TEST 20-23 20-23 25-28 30-33 TI PUMPING TEST TO LEVEL D IF FLOWING. GIVE RATE SO-53 FINAL STATUS OF WEI WATER USE METHO PRILLIN	TER RECORD KIND OF WATER FRESH 3 SULPHUR 14 MINERAL FRESH 3 SULPHUR 19 24 MINERAL FRESH 3 SULPHUR 24 MINERAL FRESH 3 SULPHUR 29 25 MINERAL FRESH 3 SULPHUR 34 MINERAL SULPHUR 34 MINERAL FRESH 3 SULPHUR 34 MINERAL SULPHUR 34 MINERAL FRESH 3 SULPHUR 34 MINERAL SULPHUR	SI CASING & SING	OPEN HOLE WALL THICKNESS FRO 12 188 0 75 19 19 26 15-16 40URS HINS PUMPING RECOVERY TES 32-34 50 FEET NO OF TEST A2 AR 2 CLOUDY ED 46-49 OPM. ISURFICIENT SUPPLY OOR QUALITY ONDITIONING NOT USED SND G	PTH - FEET DM TO 13-16 13-16 61 PLU DEPTH SET A FROM 10-13 27-30 LOC IN DIAGRAM BELOW S LOT LINE. INDICATE A SOURCE DRILLERS REMARKS: 58 CONTRA 61 CONT	PENING 31-33 DIAMETER ND TYPE DE GGING & SEALI FEET MATERIAL AND TY 22-25 30-33 80 ATION OF WELL HOW DISTANCES OF WELL FROM NORTH BY ARROW. 13 Ridea L. CTOR 59-62 DATE RECEIVED 13	TS 80 34-38 LENGTH 39-40 INCHES FEET EPTH TO TOP 41-44 80 OF SCREEN FEET A ROAD AND A ROAD AND A ROAD AND A ROAD AND A ROAD AND
ADDRESS O Box	490 Stittsvill			SE	INSPECTOR K	
NAME OF DE	RILLER OR BORER TYPEN OF CONTRACTOR	SUBMISSION DATE		T REMARKS:	CSS.S8	P (
O		DAY_4MG	o7			



MINISTRY OF THE ENVIRONMENT COPY

SUBMISSION DATE

FORM 7 07-091

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MINISTRY OF THE ENVIRONMENT The Ontario Water Resources Act WATER WELL RECORD

ntario		PRINT ONLY IN SPA					151616		MUNICIP. 15002	B F		22 23
UNTY OR DISTRICT			TOWNSHII		ITY, TOWN, VILE			con	F R.F	DATE COMP	N EXED	O21 48-53
NER (SURNAME FI	RST GOWER	CONTRAC	TOK A	799) R.R. #	3 North	Gow	er, Ontar	io		DATE COMP	мо <u>— В</u>	YR. 7
	8 1, 2	4.4.5.0	40	NORTHING 50/2	2220	<u><u><u></u><u><u></u> <u>1</u> <u>25</u></u></u></u>	6275	<u></u>	BASIN CODE	1 1 1	<u> </u>	l v
	10	LOC	OF OV	ERBURDE	N AND BE	DROC	K MATERIAL	S (SEE	INSTRUCTIONS)		DEPT	H - FEET
NERAL COLOUR		OST MATERIAL		OTHER M	ATERIALS			GENE	RAL DESCRIPTION		FROM	то
חשם	clay						pack				0	9
.ue	clay						soft	_			38	70
ey	sands		g:	ravel &	boulder	:S	pack hard				70	175
ey												
1 604	2960579	7 6038 6038	BP\$189		7912181111	/K3;	91.75218	73	54			1 1 1
	ATER REC	ORD	51	CASING	& OPEN H		ECORD	2 \$1z (\$i	E(S) OF OPENING LOT NO)	31-33 DIAM	HETER 34-38	LENGTH
TER FOUND AT - FEET	KIND OF W	VATER USULPHUR 14	INSIDE DIAM INCHES	MATERIAL	THICKNESS	FRU	W 10		TERIAL AND TYPE		DEPTH TO TO OF SCREEN	P 41-44
170		MINERAL	66	STEEL 2 GALVANIZ CONCRETE	i i	D	O073 ¹³⁻¹⁶	61	PLUGGIN	G & SEA	LING REC	
ž	SALTY 4	MINERAL 24		OPEN-HOL STEEL GALVANIZ	19	-73-	- 175-		H SET AT - FEET	MATERIAL A		EMENT GROUT PACKER, ETC
2	SALTY 4	MINERAL	06	3 CONCRETE 4 OPEN HOL	E		0/75		10-13 14-17			
2	SALTY 4	MINERAL SULPHUR 34 60		1 STEEL 2 GALVANIZ 3 CONCRET			27-30	 	18-21 22-25 26-29 30-33 80			
2	SALTY 4	MINERAL 10 PUMPING RATE		4 OPEN HOL	LE	<u> </u>			LOCATION) = 14/E		
PUMPING TEST	P 2 □ BAILEI	R 0015		_{срм} Ø 1	15-16 O O	17-18 MINS	in DI	AGRAM B	ELOW SHOW DISTANC			DAND
STATIC LEVEL	WATER LEVE END OF PUMPING	WATER LE	VELS DURIN	iG /	PUMPING RECOVERY UTES 60 M:N	IUTES	LOT	INE I	NDICATE NORTH BY A	ARROW.		\forall
020 _F			0 45 ,	PEET 045	FEET 45	35-37 FEET					1	• /
IF FLOWING. GIVE RATE RECOMMENDED		GPM PUMP INTAKE S		FEET C	LEAR 2 CL	.000		 	OC#	19		
RECOMMENDED	OW X DEEP		<i>0</i> 50	3-45 RECOMMENT PUMPING FEET RATEO		46-49 GPM		Q-	-		→1`	
50-53	54	GPM./FT. SPE			INSUFFICIENT SU				1.1 mi	12	}	1
FINAL	2 🛭	WATER SUPPLY OBSERVATION WEL TEST HOLE	L 6 🗆	ABANDONED UNFINISHED			~			1	4 F	→ '
OF WEL	55-56 130	DOMESTIC		MMERCIAL			-		RF			<i>55</i> +
WATER USE	0 10	STOCK IRRIGATION INDUSTRIAL		NICIPAL BLIC SUPPLY CLING OR AIR (CONDITIONING					1 0	ART 1	
	57	OTHER			NOT USED		4			IP.	ART 1 .AN R 28	r 0
METHO OF DRILLIN	P5 ::	CABLE TOOL ROTARY (CONVENT ROTARY (REVERSE ROTARY (AIR) AIR PERCUSSION		6 BORI 7 DIAM 8 JETT 9 DRIV	OND ING		DRILLERS REMA	RKS:		i		
ļ	LL CONTRACTOR		1+4		1558	ER	DATA SOURCE DATE OF INS	1 5	8 CONTRACTOR 59-6	2 DATE RECEN	1 409	?7
ADDRESS		r Supply		• -	<u> </u>		O DATE OF INS	(-	79 INSPECTOR	2	13.1	
NAME OF DR		ttsville,	_Untar ^	:10	LICENCE NUMB	BER	REMARKS:					Р
S S GNATURE	avariagh	1		SUBMISSION DA			OFFICE			CSS.	58	WI
<u>suu</u>	ver Til	ENVIRON	MENT	COPY	мо. <u>В</u>	7 ₁ 7	[-]					RM 7 MOE

MINISTRY OF THE ENVIOUNMENT The Ontario Water Resources Act

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WATER WELL RECORD

Ontario	1. PRINT ONLY IN S	SPACES PROVIDED ECT BOX WHERE APPLICABLE	1 1	51658	9 1500	g RF		01		
COUNTY OR DISTRICT		TOWNSHIP, BOROUGH, CITY,		Nepenn	CON., BLOCK, TRACT, SURV	EY. ETC.		LOT 25-27		
Carle	 	<u>Carleton</u>	L dge H	o For	The Aged Hwy	# 16	TED	O // 48-53		
Regiona	<u>l Monicipalit</u>	y Ottawa-	222 Que	en St. C)ttawa, Ont.	DAY 20	мо. <u>СЭ</u>	vr.78		
21)	128 444.	399 5012.	39 <u>9</u> 4	<u> </u>	36 36 I	"	111 11			
	LC	OG OF OVERBURDEN	AND BEDRO	OCK MATERIA	LS (SEE INSTRUCTIONS)			47		
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MAT	ERIALS		GENERAL DESCRIPTION		DEPTH	- FEET		
Brown	Topsoil						0	1		
Brown	Sand				ose packed		1	6		
Grey	Clay				ne, packed					
Grey	Clay	0			rd packed		6	27		
Grey	Sand	Sand David		!	arse, packed		27	34		
		Gravel, Boul			rd packed		_34	76		
Grey	Sand	Boulders, Gr	AAGT		mented		76	102		
	Limestone	Sandstone		Į.	ayers		102	200		
	Sandstone				ard		200	285		
	Sandstone				oft		285	286		
	Sandstone		<u>,</u>	На	ard		286	340		
	Granite						340	380		
1204	Micongrad Is an		1 -1		to the state of th					
	16027779 0000				10179 010232813	111 0200	0 1218	74 1		
10	5 1873 628 6	32	1/873	0,380 21	SIZE(S) OF OPENING	65 31-33 DIAMETER	34-38	75 80 LENGTH 39-40		
WATER FOUND	TER RECORD	INSIDE		DEPTH - FEET	MATERIAL AND TYPE		INCHES	FEET		
	T FRESH 3 T SULPHUR 14	DIAM. MATERIAL INCHES 10-11 TET STEEL 12	THICKNESS INCHES FR	UM TO	MATERIAL AND TYPE	0	EPTH TO TOP F SCREEN	41-44 30		
0200 ' · x	7.2	2 GALVANIZED		0102				FEET		
2	SALTY 4 MINERAL	C8 4 □ OPEN HOLE 17-18 1 1 STEEL 19	.188	0 0120- DEPTH SET AT - FEET MATERIAL AND TYPE ICEMENT GROUT						
	T FRESH 3 □ SULPHUR 24 □ SALTY 4 □ MINERAL	2 GALVANIZED 3 CONCRETE		0120	FROM TO 10-13 14-17	MATERIAL AND TO		ACKER, ETC)		
25-28 1 [FRESH 3 SULPHUR 29 SALTY 4 MINERAL	12 4 X OPEN HOLE 24-25 1 □ STEEL 26	-375	0 -102,	0 120	Cement	Grou	t		
30-33 1	FRESH 3 SULPHUR 34 80	2 GALVANIZED 3 GONCRETE			26-29 30-33 80					
!	SALTY 4 MINERAL	4 [] OPEN HOLE								
71) PUMPING TEST ME	2 D BAILER 015	11-14 DURATION OF PU	1		LOCATION) F WELL		_		
STATIC LEVEL	WATER LEVEL 25	VELS DURING	PUMPING RECOVERY	IN DIA	GRAM BELOW SHOW DISTANCI		OM ROAD A	ND		
19-21	<u> </u>	30 MINUTES 45 MINUTES	60 MINUTES		Ħ		1			
	1 175 FEET FEET S8-41 PUMP INTAKE S				j is	1	/(.i.)			
IF FLOWING. GIVE RATE RECOMMENDED PU	GPM 200		2 CLOUDY		\ t=	odr of C	~			
RECOMMENDED PU	MP TYPE RECOMMENDED PUMP	43-45 RECOMMENDED PUMPING RATE PAGE	46-49		10		. ↓	SOL		
50-53		IOO FEET RATE OO	15 GPM		\	-4205°	•			
FINAL	1 WATER SUPPLY	5 ABANDONED, INSUFF	1		المحصد					
STATUS OF WELL	z OBSERVATION WELL 3 TEST HOLE	6 ABANDONED, POOR C	QUALITY		N . \					
	4 RECHARGE WELL	5 T COMMERCIAL		,	612					
WATER	2 ☐ STOCK 3 ☐ IRRIGATION	6 MUNICIPAL 7 DE PUBLIC SUPPLY			1					
USE (Industrial OTHER	8 COOLING OR AIR CONDIT 9 NOT			90/		* Capital			
	57 CABLE TOOL	6 D BORING			Ì		7'			
METHOD 2 ROTARY (CONVENTIONAL) 7 DIAMOND OF 3 ROTARY (REVERSE) 8 JETTING				\		M.				
DRILLING	4 ROTARY (AIR) 5 AIR PERCUSSION	9 🗖 DRIVING		DRILLERS REMARK	;; ;;		A			
NAME OF WELL	CONTRACTOR	Lice	ENCE NUMBER	DATA SOURCE	58 CONTRACTOR 59-62	DATE RECEIVED (200	63-68 80		
P.cLea.	n Water Suppl	y Ltd.	3504	DATE OF INSPEC		0.20	10 (9		
∑ 1532 ·	Raven Ave., C	ttawa. O.t.		SE						
15	•	LICE	ENCÉ NUMBER	REMARKS:			Р			
SIGNATUR OF	and Soss Iman	SUBMISSION DATE		OFFICE	(1) (1. sk	W	/1		
LUITA	· June	DAY MO	<u> </u>	<u> </u>				MOE 07-091		

The Ontario Water Resources Act

31656

WATER WELL RECORD

1517382 15002 1. PRINT ONLY IN SPACES PROVIDED 2. CHECK 🗵 CORRECT BOX WHERE APPLICABLE 0295 LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) DEPTH FEET MOST COMMON MATERIAL GENERAL DESCRIPTION GENERAL COLOUR FROM 0 50 64 (31) 6010209 1 1 0050305 1 1 006421413 1 00741118 1 1 1 1 1 32 41 CASING & OPEN HOLE RECORD WATER RECORD 51 WATER FOUND AT - FEET KIND OF WATER MATERIAL AND TYPE 1 FRESH 3 [] SULPHUR
2 SALTY 4 [] MINERAL 020 Ob, [] GALVANIZED 065 I ☐ FRESH 3 [] SULPHUR 12 CONCRETE
OPEN HOLE 61 **PLUGGING & SEALING RECORD** 2 SALTY 4 [] MINERAL FEET MATERIAL AND TYPE LEAD PACKER ETC [] STEEL 1 FRESH 3 [] SULPHUR
2 G SALTY 4 [] MINERAL 2 FT GALVANIZED 4 OPEN HOLE 1 FRESH 3 SULPHUR
2 SALTY 4 MINERAL 1 [] SIEEL 27-30 2 [] GALVANIZED 1 | FRESH 3 | SULPHUR
2 | SALTY 4 | MINERAL CONCRETE 26-29 30-33 80 OPEN HOLE LOCATION OF WELL 15-16 O O 2 | BAILER PUMPING
PECOVERY WATER LEVEL END OF PUMPING 22-24 IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE INDICATE NORTH BY ARROW 040 ... 040°EET 040, 040 ... 040, RECOMMENDED PUMP TYPE RECOMMENDED PUMP 040 SETTING DEEP ☐ SHALLOW WATER SUPPLY 5 ABANDONED, INSUFFICIENT SUPPLY **FINAL** 2 | OBSERVATION WELL 6 ABANDONED POOR QUALITY **STATUS** 7 UNFINISHED OF WELL 4 | RECHARGE WELL 1 DOMESTIC 5 COMMERCIAL 6 MUNICIPAL
7 PUBLIC SUF WATER 3 | IRRIGATION
4 | INDUSTRIAL ☐ PUBLIC SUPPLY 02 USE OTHER 6 BORING CABLE TOOL **METHOD** 2 ROTARY (CONVENTIONAL)
3 ROTARY (REVERSE) 7 DEDIAMOND JETTING OF DRILLING 5 9 DRIVING ROTARY (AIR) DRILLERS REMARK 011 DATA
SOURCE
DATE OF INSPECTION 3644 CONTRACTOR OFFICE USE REMARKS YR 80 FORM NO. 0506-4--77 FORM 7

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The Ontario Water Resources Act

WATER WELL RECORD

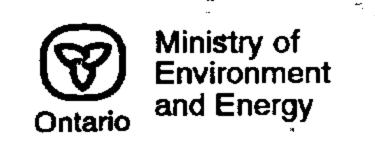
Ontario		SPACES PROVIDED	11	15	222		MUNICIP 10	CON.		22 23 74
COUNTY OR DISTRICT	arleton	TOWNSHIP, BOROUGH, C	an, Ont				BLOCK, TRACT. SURV	RF		10 25-27
		ADDRESS	old St.		rick S	+ .0+	tawa Ont	DATE COMP	мо 10	48-53 YR. 87
	U i I	500D NORTHING	Old or		EVATION	RC I	BASIN CODE	11	111	
21 TW-1	<u> </u>	arleton, Lod			4	30	31	<u> </u>	<u> </u>	1 1 4 4 7
		OG OF OVERBURD	EN AND BEDF	ROCK N	MATERIAL	S ISEE IN	STRUCTIONS)		DEPTH	- FEET
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER N	MATERIALS			GENERA	L DESCRIPTION		FROM	то
Brown	Clay	Silt							0	6'
Grey	Clay	Silt Sand	Stones				<u> </u>		6'	28'
Grey	Sand	Silt Clay					<u> </u>	· ·	28'	41'
Grey	Sand	Silt Stone	3						41'	58'
Grey	Limestone			<u> </u>	Fract	ured	Limestor) e	58'	110'
·		*								
				·						
				 						
						· · · · · · · · · · · · · · · · · · ·				
			· · · · · · · · · · · · · · · · · · ·	<u>-</u> <u>-</u>						
<u></u>	<u> </u>			 -						
31				, ,	<u>. </u>					
32								ىپا لىل		
1 2 10 41 WAT	TER RECORD	51 CASING	& OPEN HOL	E RECC	RD	Z	OF OPENING	31-33 DIAME	TER 34-38	LENGTH 39-40
WATER FOUND AT - FEET	KIND OF WATER	INSIDE DIAM MATERIAL	WALL	DEPTH	- FEET	MATER	HAL AND TYPE		INCHES DEPTH TO TOP	FEET 41-44 30
62 2 0	FRESH 3 SULPHUR	INCHES 10-11 1 STEEL	1NCHES		13-14	SC			OF SCREEN	FEET
15-18	FRESH 3 SULPHUR	2 GALVANIZET 3 CONCRETE 4 OPEN HOLE		0	63'	61	PLUGGIN	IG & SEAL	ING RECO	RD
88 20-23 1 5	24	17-18	19		20-21	DEPTH S	ET AT - FEET	MATERIAL AND	1 1 1 P F	ENT GROUT ACKER, ETC)
	FRESH SULPHUR 4 MINERALS GOS	2 GALVANIZER 3 CONCRETE 4 OPEN HOLE		+2	63'	10	<u> </u>			
	FRESH 3 SULPHUR 1 SALTY 6 GAS	5 PLASTIC	26	2	27-30	18	-21 22-25			
ļ .	FRESH 3 SULPHUR 34 SULPHUR 4 MINERALS SALTY 6 GAS	2 GALVANIZEI 3 CONCRETE 4 DOPEN HOLE 5 PLASTIC	1 11	63'	110'	26-	.29 30-33 81			
PUMPING TEST MET			OF PUMPING	7		!	OCATION	OF WEL	1	
71 1 2 PUMP	2 BAILER	10 GPM	15-16 17 HOURS MI*	-18 VS			W SHOW DISTANC			
STATIC LEVEL	WATER LEVEL 25 END OF WATER PUMPING	LEVELS DIIRING	PUMPING RECOVERY		LOT L		ICATE NORTH BY		FROM ROAD	
TEST	26	-28 29-31	31-34 35	-33				· a special trace of the law of 	<u></u>	
IF FLOWING.	100 _{FEET} 61 F	SET AT WATER AT	FEET 18 FE	41 41						•
GIVE RATE	GPM	FÉET 1 CL		⊣ I						
RECOMMENDED PU	PUMP	100 FEET RECOMMEN	10 se	-49						
50-53							Tuy.	16		
FINAL	1 WATER SUPPLY 2 OBSERVATION WE		NSUFFICIENT SUPPLY			7				
STATUS OF WELL	3 TEST HOLE 4 RECHARGE WELL	7 UNFINISHED				TOOL 9				
	55-56 DOMESTIC	5 COMMERCIAL					15/5			
WATER	3 STOCK 3 IRRIGATION 4 INDUSTRIAL	# MUNICIPAL # PUBLIC SUPPLY # COOLING OR AIR C	ONDITIONING							
USE	[] OTHER	_	NOT USED					71		
METHOD	CABLE TOOL	NTIONAL) 7 DIAMO			-			X		
OF CONSTRUCTION	PROTARY (CONVEING) 3 ROTARY (REVERS ON 4 ROTARY (AIR)	• D (ETT)	A	:	Joa	ile to	luer		21	996
CONSTRUCTION	S AIR PERCUSSION		NG DOTHER	DRI	LLERS REMARI	(s	· ven	· · · · · · · · · · · · · · · · · · ·		
NAME OF WELL		_ L	ELL CONTRACTOR	₹'S	DATA	5.8	CONTRACTOR 59-	FFR	1 5 198	63-68 80
OLYMP I	C DRILLING C	O. LTD.,			DATE OF INSP	ECTION	INSPECTOR	1 1 6 0	סבו ני	Ю
Box918	O Terminal	l',Ottawa,O	nt VELL TECHNICIAN	USE S.	REMARKS					
Jodi	e Renwick		T-0460						men, men, e	
	TECHNICIAN/CONTRACTOR		е мо <u>02</u> уг. <u>8</u>	38 PE						
ANICED	Y OF THE ENVIRO		mo. <u>47.54</u> YR. <u>34</u>		<u> </u>			FC	ORM NO. 0506	(11/86) FORM 9

	Ministry
(P)	of the
	Environment

The Ontario Water Resources Act

WATER WELL RECORD

Ontario	1. PRINT ONLY IN : 2. CHECK 🔀 CORR	SPACES PROVIDED ECT BOX WHERE APPLICABLE 1 2	152219	9 MUNICIP CON	22 23 24
COUNTY OR DISTRICT	rleton	Nepean, Ont		Con. BLOCK, TRACT, SURVEY ETC	10 25-27
OCCAME OF		DDRESS	Datesiak Rt		04 NO 12 YR 87
	ZONE EASTING	500D Old St.	RC ELEVATION	RC BASIN CODE 11	III IV
21 TW-3	T 10 12 12 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	25 26	30 31	47
	,	OG OF OVERBURDEN AND BEDF	ROCK MATERIALS		DEPTH - FEET
GENERAL COLOUR	COMMON MATERIAL	OTHER MATERIALS		GENERAL DESCRIPTION	FROM TO 48 '
Gray	Clay	Boulders	Pacl		48' 63'
Gray/Blk	Stones	Gravel, Silt	Dem		40 03
	<u> </u>	<u> </u>			
<u> </u>					
				· · · · · · · · · · · · · · · · · · ·	
<u></u>	<u> </u>	<u> </u>			
31					
32	14 15			<u> </u>	<u> </u>
	TER RECORD	51 CASING & OPEN HOL		Z SLOT NO }	DIAMETER 34-38 LENGTH 39-40
WATER FOUND AT - FEET	KIND OF WATER	INSIDE WALL DIAM MATERIAL THICKNESS INCHES INCHES	FRUM TO	MATERIAL AND TYPE	DEPTH TO TOP 41-44 HOOF SCREEN
· .	FRESH 3 SULPHUR 4 MINERALS 6 GAS	10-11 1 STEEL 2 GALVANIZED	13-16	o St. Steel Screen	of SCREEN FEET
1 -	FRESH 3 SULPHUR SALTY 6 GAS	3 CONCRETE 4 DEPEN HOLE 5 PLASTIC	0 63	PLUGGING & S	EALING RECORD
20-23	FRESH 3 SULPHUR 4 MINERALS	17-18 1 SETEEL 2 GALVANIZED 3 CONCRETE	20-23	FROM TO MATERIAL 10-13 14-17	AND TYPE LEAD PACKER, ETC 1
25-28	FRESH 3 SULPHUR 4 MINERALS	6" SOPEN HOLE 188	+2 53	0 25 High	n Early Cement
10.00	SALTY 6 GAS 3 SULPHUR 4 MINERALS	1 □STEEL 2 □ GALVANTZED 3 □ CONCRETE 4 □ OPEN HOLE		26-29 30-33 80	Grout
	SALTY 6 GAS	5 PLASTIC		LOCATION OF W	
71 PUMPING TËST ME		O GPM 24 HOURS MI	-18 -is	LOCATION OF W	ELL
STATIC LEVEL	WATER LEVEL 25 END OF WATER PUMPING	LEVELS DURING # _ PUMPING RECOVERY	IN DIAGR LOT LINE	AM BELOW SHOW DISTANCES OF WILLIAM INDICATE NORTH BY ARROW.	ELL FROM ROAD AND
L S 19-2	<u> </u>	30 MINUTES 45 MINUTES 60 MINUTES 22 14.2 18.3 22 FE	. kr.		N
IF FLOWING GIVE RATE	T 43 FEET SUMP INTAKE		42 42	*	
RECOMMENDED PU	GPM RECOMMENDE	50 FEET 1 CLEAR 1 CLOUD		· .	· · · · · · · · · · · · · · · · · · ·
□ SHALLOV	PUMP SETTING	50 FEET PUMPING SO GE	M	HWY.16	
50-53	341				
FINAL	1 D WATER SUPPLY 2 DESERVATION WE	B ABANDONED INSUFFICIENT SUPPLY B ABANDONED POOR QUALITY 7 UNFINISHED			
OF WELL	3 TEST HOLE 4 RECHARGE WELL 55-56	·		odge RO	
WATER	2 STOCK	S COMMERCIAL MUNICIPAL PUBLIC SUPPLY			
USE	3 IRRIGATION 4 INDUSTRIAL OTHER	COOLING OR AIR CONDITIONING I DOT USED		190740	
	57 CABLE TOOL	■ NOT USED BORING			•
METHOD OF	2 CX ROTARY (CONVERS	NTIONAL) 7 DIAMOND		Jock Riven	<u>92001</u>
CONSTRUCTI	ON 4 ROTARY (AIR) 5 AIR PERCUSSION	DIGGING OTHER	DRILLERS REMARKS		<u> </u>
NAME OF WELL		CO. LTD., WELL CONTRACTOR	DATA SOURCE	58 CONTRACTOR 59-62 DATE RE	
OLYMI ADDRESS	PIC DRILLING	CO. LTD., 4006	DATE OF INSPECT	<u>ii</u>	EB 1 5 1988
Box S	1180 Termina	l'l'Ottawa,Ont.,	S AEMARKS		
Jo Jo	odje Renwick	T-0460	<u> </u>		
SIGNATURE P	TECHNICIAN/CONTRACTOR	DAY 0.4 MO. 0.2 YR.	38 HO		
BAIAUCTE	Y OF THE ENVIRO			· · · · · · · · · · · · · · · · · · ·	FORM NO. 0506 (11/86) FORM 9



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Mark correct box with a checkmark, where applicable.

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Municipa 150	-	Con.	ŀ	1	I	1	0	1	
10	14	15				22	23	24	•

County or District		Township/Borough/City/	Town/Village		Con block tract survey	tract survey, etc. Lot 25-27		
		Address	7. 12 . R.	≛2 No	Date completed	day 🗲 mo	48-53	
21	Zone T M 10	20 Lodge Road Easting K2C 3H Northing 12 17 18		RC Elevati	on RC Basin Code ii	iii	iv 	
General colour	LO Most common material	G OF OVERBURDEN AND BED Other materials	ROCK MAT	TERIALS (s	see instructions) General description	Dep	th – feet	
					· · · · · · · · · · · · · · · · · · ·	From	To	
Brown	Sandy Soil Clay	Stones	<u>.,,</u>		Loose & Dry Packed	4	15	
Gray	Clay				15	65		
Gray	Sand y gravel	& Boulders			Wet	65	80_	
Gray	gravel		<u></u>		Pasked	80	82	
							, , 	
· · · · · · · · · · · · · · · · · · ·								
31								
32	4 15	32	43		54 65		75 80	
Water found	TER RECORD 51 Institute 51 Kind of water diam		E RECORD Depth -		Sizes of opening 31-33 Diameter (Slot No.)	34-38 Length	39-40 feet	
at – feet	Fresh ³ Sulphur ¹⁴ Minerals 6		From	To 816		Depth at top o		
R1_R2	DEes BSD phur 19	3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			61 PLUGGING & SEALING	2 DECODE	feet	
20-23 1	Fresh ³ Sulphur ²⁴	7-18 1		20-23	Annular space [Abandonme	nt	
25-2# 1	Salty Gas Gas Salty Minerals	Open hole Plastic	81	82	From To Material and type (Cer			
30-33	Gas Gas Gas Go Sulphur 34 60 Gas	Steel 26 2 Galvanized 3 Concrete		27-30	40 0 Grouted Ce	ment ()	
	Salty 6 ☐ Minerals Gas	4 ☐ Open hole 5 ☐ Plastic			26-23 30-33 40			
71 Pumping test m	□ Bailer 50	GPM Hours Mins		In diagram l	LOCATION OF WELL below show distances of well from roa	d and lot lin	ne.	
Static level e	Water levels during water levels during 22-24 15 minutes 30 minutes 26-28	utes 45 minutes 60 minutes			th by arrow.		7	
19-21 US 13 feet	50 feet 32 giget 12	29-31 32-34 35-37 feet 3 feet 3 feet		الاراد	4416			
If flowing give ra	ate 38-41 Pump intake set at GPM	feet						
☐ Shallow	pump type Recommended pump setting 50	pump rate	1					
FINAL STATUS					Lodge Ba			
1 Water sup 2 Observation 3 Test hole	ion well 6 Abandoned, poor 7 Abandoned (Other	· ·		Ho	use #20			
⁴ ☐ Recharge WATER USE	well 8 Dewatering 55-56) }	25'			
Domestic Stock Irrigation	6 ☐ Municipal	9 🔲 Not used 10 🔲 Other		. !			!	
4 🗌 Industrial	8 □ Cooling & air cond	litioning		1	/ 44 *			
METHOD OF C 1		9 🔲 Driving		_			~ ^	
3 Rotary (re	everse) 7 🗌 Diamond	□ Other				1948	58	
Name of Well Contr	ractor	Well Contractor's Licence No.	Data source	58	Contracctor 59-52 Date recei		63-68 80	
Address	Water Supply Ltd.	1558	NO Date o	of inspection	1558 JUL	U 9 19	99	
Name of Well Techn		Ontario K2S 1A6 Well Technician's Licence No. T0097	Remar	rks		100	Δ	
S. Mille: Signature of Technic	cian/Contractor	Submission date day 3 mo 6 yr 99	MINIS			SS.ES	U	
2 - MIN	ISTER OF ENVIRONM	ENT & ENERGY COPY	! [· · · · · · · · · · · · · · · · · · ·		506 (07/94) Fr	ont Form 9	

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Municipality	Con.					ı		
1 DOUC	BE	1	1	1		L	L	i
10 14	15				22	23	24	

County or District O House Coulotte	Township/Borough/City/Town/Village	Con bloce	k tract survey, etc. Lot 2 2 2
	Address Manata	hot	Date completed day month year
21 T T T T T T T T T T T T T T T T T T T	Northing 17 18 24	RC Elevation RC Basin Code	
LOG OF OVE	RBURDEN AND BEDROCK MAT Other materials	ERIALS (see instructions) General description	Depth - feet
CO C 14	One materials	acricial description	From To
arey linestone			58 101
31 []]]]]]]]]]]]]]]]]]			
32	32 43	54	65 75 80
Water found Kind of water Inside	SING & OPEN HOLE RECORD Wall Depth - thickness		31-33 Diameter 34-38 Length 39-40 inches feet
10-13 1 Fresh 3 Sulphur 14 Inches 10-11 1 10-11 12 13 14 10-11 12 15 15 15 15 15 15	Galvanized	To (Slot No.) Material and type	Depth at top of screen 41-44
4 🖸 (\$\frac{18}{3} 1 \frac{1}{3} \fra	Concrete Open hole Plastic 188 D	61 PLUGGING	6 & SEALING RECORD
Salty 4 Minerals 3 0	Galvanized Concrete	Depth set at - feet Mai	
25-28 1 Fresh 3 Sulphur 29 5 1	Open hole Plastic Steel 26	27:30 From 10	sentonito
30-33 1 Fresh 3 Sulphur 34 60 3 0 0 3	Galvanized Concrete Open hole	18-21 22-25 26-29 30-33 80	
- Gas	Plastic ation of pumping		
71 Pump 2 Bailer 5 GPM	15-16 Hours Mins	LOCATION OF In diagram below show distances Indicate north by arrow.	
(end of pumping)	ninutes 32-34 60 minutes 35-37	indicate notified anow.	A (
Feet	feet feet feet feet feet feet feet feet	v v v v v v v v v v v v v v v v v v v	Lh.
Hecommended pump type Hecommended 4545 He	Clear Cloudy commended 46-49 mp rate	PKM N#	130 eisicle
Shallow Deep feet 50-53	SG GPM	16 Riv	113100
FINAL STATUS OF WELL 14 Water supply 5 Abandoned, insufficient supply	9 ☐ Unfinished		
2 Observation well 6 Abandoned, poor quality 3 Test hole 7 Abandoned (Other) 4 Recharge well 8 Dewatering	10 Replacement well	1.4Km	
WATER USE 55-56 1 Domestic 5 🗆 Commercial	9 ☐ Not use	1. (1-1.	
2 Stock 6 Municipal 3 Irrigation 7 Public supply 4 Industrial 8 Cooling & air conditioning	10 Other		
METHOD OF CONSTRUCTION 57			Nichous Island Rd 237963
3 ☐ Rotary (reverse) 7 ☐ Diamond	9		227062
4 ☐ Rotary (air) 8 ☐ Jetting			
Name of Well Contractor A/BCLD: Webla	Well Contractor's Licence No.	11117	DEC 2 3 2002 63-68 80
Add R#1 Rich word	Date of	of inspection Inspector	
Shannon Purcell	Well Technician's Licence No. Augustian Delivery Communication (Communication) Remainder Deliv	rks	CSS.ES2
Signature of Technician/Contractor	Submission date 0 2 Yr Hay mo 2		
			0506 (07/00) Front Form 9

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Municipality 1 5002	Con.	ı	1	1.		1	1	L.
10 14	15		*)	/	22	23	Ź
				•	$ \nu$	~	7	

0506 (07/00) Front Form 9

		1 2			10 14 15		Dat "
County or District	is a Carloto	Township/Borough/City/T	own/Village	•	Con block tract surve	ey, etc. L	Ot 21 25.27
		Address	<u>یار</u>	○ ★	Date completed	07 /	102
		6 TOUCUL Northing	Her,	RC Elevation RC	Basin Code ii	day	month year
21		2 17 18	24	26 30	31	1111	47
		F OVERBURDEN AND BEDRO	OCK MAT		ons) description	Dep	th - feet
General colour	Most common material	Other materials		General	description	From	То
-		4.0				 	
		10.0 0 . 7	- 0	OOTO-	7		
	WELL	ABANL)() (HEIN		+	
	0000			(
						-	
31							
32	14 15 21	11 32	43	54	65		75 BC
	ER RECORD 51	CASING & OPEN HOLE R	RECORD_ Depth -	feet Sizes of c		1	ngth 39-40
at - feet	Kind of water diam inches		From	feet (Siot No.) 13-16 Material a	and type	Depth at to	feet p of screen 30
2 [Salty 6 Gas	2 Galvanized 3 Concrete		8			feet
15-18 1 2	☐ Free 4 ☐ Minerals	4 Open hole 5 Plastic		20.23	PLUGGING & SEALIN		
20-23	☐ Fresh ³ ☐ Sulphur ²⁴ ☐ Fresh ⁴ ☐ Minerals	2 Galvanized 3 Concrete		Depth set at	- feet Material and type (C	Abandon Cement grout,	
5-28 1 [☐ Fresh 3 ☐ Sulphur 29	4 Open fole 5 Blastic		27-30 From P-13 /	9'8 benton		
20.22	☐ Salty 6 ☐ Gas	2 Galvanized 3 Concrete		18-21	22-25		
	☐ Salty 6 ☐ Gas	4 Open hole 5 Plastic		26-29	30-33 80		
71 Pumping test r		-14 Duration of pumping 15-16 17-18 Hours Mins		LOC	CATION OF WELL		
Static level	Water level end of pumping 25 Water levels during	1 Pumping 2 Recovery		In diagram below show Indicate north by arrow	distances of well from	road and l	ot line.
19-21	22-24 15 minutes 30 minutes 26-28	32-34 60 minutes 35-37		•			12
If flowing give	29.43	eet feet feet water at end of test					
Recommended	GPM	eet Clear Cloudy -45 Recommended 46.49		\ # 7ã	10 A		
☐ Shallow	pump setting	pump rate GPM		\ 0	Live		
50-53	IS OF WELL 54			SK)	Kd		
FINAL STATU 1	ipply 5 🔲 Abandoned, insufficier	ot supply 9 ☐ Unfinished ty 10 ☐ Replacement well					
3 ☐ Test hole 4 ☐ Recharge	⁷ Abandoned (Other)	, - ,					
WATER USE	55-56			1.	4 Km		
1 ☐ Domestic 2 ☐ Stock 3 ☐ Irrigation	6 Municipal	9 Not use 10 Other			/		
4 🗆 Industrial	8 Cooling & air condition	ing			Nich Jsla	oles	
METHOD OF 1 □ Cable too	CONSTRUCTION 57 5	⁹ ☐ Driving			/ Jsla	-dR	d
² ☐ Rotary (c ³ ☐ Rotary (n ⁴ ☐ Rotary (a	reverse) 7 🗆 Diamond	10 Digging 11 Other					812
- Inotary (a	any County					240	OIL
Name of Well Cont	tractor Dr. U.e.	Well Contractor's Licence No.	Data source	58 Contractor	1 9 Date red		2002 80
Ad 2 0#	1 Quelina	ad On#	Date	of inspection	Inspector		
Name of Well Tech	nnician D	Well Technician's Licence No.	HINISTRY USE	rks		L. 274. 3	
Signature of Techn	NON + WOL	Submission date 2.7	NIST		Ca	S.E	<u></u> [22]
ACC		19 11 0 L	Ž				_

0506 (07/00) Front Form 9

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Ministry
of the
Environment

Print only in spaces provided. 1533456 Mark correct box with a checkmark, where applicable. 11 block tract survey, etc. County or District Township/Borough/City/Town/Village 117 610uceste Address Data completed 57 02 month LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions) Depth - feet General description Other materials General colour Most common material From 18 clay hard 0(0 wr 18 58 148 181 WATER RECORD **CASING & OPEN HOLE RECORD** Sizes of opening (Slot No.) Water found at - feet Inside Depth - feet Kind of water Material From То inches Depth at top of screen Material and type Steel
2 Galvanized
3 Concrete
4 Open hole
5 Plastic 3 🔲 Sulphur 1 Gas 188 1 | Fresh 3 | Sulphur 19
2 | Safty S | Gae 7 0 67 **PLUGGING & SEALING RECORD** 1 Steel
2 Galvanized
3 Concrete
 Open hole
5 Plastic ☐ Sulphur ☐ Minerals ☐ Gas 1 🗆 Fresh Depth s 3 Sulphur
4 Minerals
6 Gas 25-28 1 🗆 Fresh 1 Galva Galvanized 3 ☐ Sulphur
4 ☐ Minerals
6 ☐ Gas 30-33 ¹ ☐ Fresh 181 6 65 ² Salty Pumping test method
Pump 2 Bai Duration of pumping **LOCATION OF WELL** D GPM 2 | Bailer In diagram below show distances of well from road and lot line. Indicate north by arrow. Water level **À**☐ Recovery Water levels during ₁ ☐ Pumping Static level end of pumping PUMPING TEST 15 minutes 4 26-28 60 minutes , 35-37 5b° 56 56 170 If flowing give rate Cloudy
46 ☐ Clear **GPM** 43-45 pump setting 70, ☐ Shallow → Deep 10 FINAL STATUS OF WELL

Water supply
Observation well 9 ☐ Unfinished
10 ☐ Replacement well 3 ☐ Test hole
4 ☐ Recharge well ·4km WATER USE
Domestic
Stock
Trigation
Industrial 9 Not use METHOD OF CONSTRUCTION 57 5 Air percussion
6 Boring
7 Diamond
8 Jetting 9 Driving
10 Digging
11 Dother **USE ONLY** 19 DEC 2 3 2002 source Date of inspection MINISTRY Remarks

Ontario Ministry of the Environment

Well Tag Number (

A 036336

Well Record
Regulation 903 Ontario Water Resources Act

Instructions for Completing Form

036336

page

For the All SQueAll r	use in the Sections r stions req netre me	nust be cor garding con easurement	of Ontarion of Ont	full to avoid delay is application can e reported to 1/16	nent is a per s in process be directed	sing. Further to the Wate	instructions ar	LI Please retain for futu nd explanations are av ement Coordinator a	/ailable t 416-:	on the background on the backg	ack of	f this form
• Plea		learly in blu	ie or black	ink only.		DALLAN.		Ministry Us			. "Т	
Address	ı vveli Loca	auph (County	/District/ivit	unicipality)		ownship 🛕		Lot		Conce	ession	
SR#/Stree	et Number	dge K	d				epean	10	dl	$' \mid G$	en	(
						04	fawa	Site/Comp	artmer	nt/Block/Tr	act et	C.
GPS Read		NAD Zor 8 3	56	7,000 5	thing 14-40	Unit Make/N	Model Mod		different ferentiat	iated ed, specify_	Aver	aged
Log of C		den and Be		aterials (see ins	<u> </u>					Der		Mata
- Conordi Oc	JIOGI IV		material	Ottlei M	aleriais		Gener	al Description		Fro		Metres To
										-		
							·				-	
Depth	ole Diame Metres	Diameter	Incide	Cons	struction Re		14-6	Pumping test method	_	/ell Yield aw Down	l R	ecovery
From	То	Centimetres	Inside diam	Material	Wall thickness	Depth	Metres	- uniping test metrod	Time	Water Level	Time	Water Lev
·			centimetres		centimetres Casing	110111	То	Pump intake set at -	min Static	Metres	min	Metres
				Steel Fibreglass				(metres) Pumping rate - (litres/min)	Level 1		1	
- W	/ater Reco	ord		Plastic Concrete				Duration of pumping	2		2	
Water found at Metre	/ Kin	d of Water		Steel Fibreglass			-	hrs + mir	1			
│	☐ Fresh ☐ Salty	Sulphur Minerals	,	Plastic Concrete				of pumpingmetres	1		3	
Other:	Fresh	· · · · · · ·		Steel Fibreglass				Recommended pump type.	├ ─		4	
Gas Other:	Salty	Sulphur Minerals		Plastic Concrete				Recommended pump	5		5	
m				Galvariized	Screen			Recommended pump			10	
Gas Other:	Salty	Minerals	Outside diam	Steel Fibreglass	Slot No.			rate. (litres/min) If flowing give rate -	15 20		15 20	
After test of	f well yield, nd sediment			Plastic Concrete Galvanized				(litres/min) If pumping discontin-	25		25	
Other, s				No (Casing or Sc	reen		ued, give reason.	30 40		30 40	
Chlorinated	I 🗌 Yes	☐ No		Open hole					50 60		50 60	
	Plug	ging and Se	aling Reco	ord Annula	arspace 💢 /	Abandonment		Location	-	1	00	
Depth set a	1 11-1			slurry, neat cement slurry	() etc Volu	me Placed bic metres)	In diagram below	w show distances of well f			and bui	lding.
62'	0'	nect	Cunc	+ Slurry	01	33	maloate north b	1	1			11
-											•	
								15	2			
Cable To	ool	Rotary (Construction Diamond	· · · · · · · · · · · · · · · · · · ·	Digging			>+-	- 1	4	57,3
Rotary (c	conventional	l) 🗌 Air perc	•	Jetting	Again [Other			3/	54 m	ĺ) (()
Rotary (r	everse	Boring	Wate	Driving er Use				_	164			
☐ Domestic)	Industria Comme		☐ Public Supp ☐ Not used	oly [—	Other				^		
Irrigation		Municipa		Cooling & a	ir conditioning		Audit No. Z	40116 Da	te Well	Completed	y	MY DD
Water S		Recharge we	oll .	Unfinished	Aband	doned, (Other)	Was the well ov	wner's information Da	te Deliv		YYY	MM DD
Observat		Abandoned, Abandoned,	poor quality	Replaceme	nt well	r usea.	package delivere			2000	0	02 106
Name of We		or A	ractor/Ted		ell Contractor's		Data Source	Ministry Us	e Only intractor		<u> </u>	i.
014	Moi o	et name, numb	er, city etc.)	Co Itd	4000	6	Date Received	YAYYY MAA DD DA	te of Ins	pection v	YYY	MM DD
666	2 B		+ 1	netcelle	On/	Licence No.		UG 0 1 2006				טט ויייי
Wa	1 N &	Ren			327	'	Remarks	We	∍ıı Keco	rd Number		
	ame	/Contractor	il			0000						
0506E (09/03	3)	/	Con	tractor's Copy 🔲 M	linistry's Copy	☐ Well Owi	ner's Copy	Cette f	ormule	est dispo	nible e	ən françai

(W) Ontai	rio Minist	ry of nvironment	Well Tag N			5337	Regulation 90	W 3 Ontario Wa	ell Reco	rd Aci
Instructions for C	ompleting Fo	rm	A	036	<u> 337</u>	*			page of	
 All Sections mu 	ust be complete ording completing surements sha	ed in full to avoi g this applicati i ll be reported	d delays ir on can be	n processir directed to	ng. Further the Wate	r instructions an	Please retain for futu d explanations are av ment Coordinator at Ministry Us	ailable on the	hack of this for	m.
Well Owner's Info			/ell Inforn	nation	MUN	С	ON		LOT	
RR#/Street Number/Na	e (2) ame				City/Town/\	/illage		artment/Block	/Tract etc.	
GPS Reading NA	1 1 1 1	Easting	Northing S.A.2	.90	Unit Make/I	Model Mode		differentiated ferentiated, specif	Averaged	
Log of Overburde	n and Bedroc	k Materials (s	ee instru	ctions)						
General Colour Mos	st common materi	al ·	Other Mater	ials 		Genera	al Description		Depth Metre From To	JS
Hole Diamete	sr 11		Conetru	ction Reco	vrd		11 +	st of Well Yie		
Depth Metres	Diameter Insi			Wall	Depth	Metres	Pumping test method	T	n Recovery	
From To C	Centimetres dia centim		۱ ا	hickness entimetres	From	То		Time Water Le	i i	
			Ca	asing			Pump intake set at - (metres)	Static Level		
		Steel Steel	Fibreglass				Pumping rate - (litres/min)	1	1	
Water Record Water found at Metres Kind of	d of Water	Galvanized					Duration of pumpinghrs + min	2	2	
atMetres / Kind C	Sulphur	Steel I	-				Final water level end of pumping	3	3	
Gas Salty Other:	Minerals	Galvanized					Recommended pump	4	4	
m Fresh Gas Salty	Sulphur Minerals	Steel []					type. ☐Shallow☐Deep Recommended pump		5	
Other:	Sulphur	Galvanized		Screen			depthmetres Recommended pump	10	10	
	Minerals Outs			Slot No.			rate (litres/min)	15	15	
After test of well yield, wa	ater was	Plastic (If flowing give rate - (litres/min)	20 25	20 25	
Clear and sediment from Other, specify	ee	Galvariized		ing or Scre	en		If pumping discontin- ued, give reason.	30 40	30 40	
Chlorinated Yes	No	Open hole						50	50	
	ng and Sealing I		Annular sp		andonment		Location	4		
Depth set at - Metres Ma				Volum (cubic	e Placed metres)	In diagram below Indicate north by	w show distances of well from arrow.	rom road, lot lin		
36 / 0 /	Neaf Cen	gent slau	ry	- Oc	78				1"	
						ì		Y		
Cable Tool	Method Rotary (air)	of Constructio	n amond		Digging		7	7		
Rotary (conventional) Rotary (reverse)	Air percussion Boring	☐ Je ☐ Dr Water Use	-		Other	#1 1	12824			
Domestic Stock	☐ Industrial ☐ Commercial		ıblic Supply ot used		Other		-100-	1		
Irrigation	Municipal		ooling & air co	onditioning		Audit No. Z	40117 Dar	te Well Complet		200
1= '''	Recharge well	Ur	nfinished	Abando	ned, (Other)			te Delivered	YYYY MM E	9 6
Test Hole	Abandoned, insuffici Abandoned, poor qu	ality 🔲 Re	ewatering eplacement w		ujep	package delivere	Ministry Us	e Only	76 02 0	φ_
Name of Well Contractor	Well Contractor	Technician In	ormation Well C	Contractor's Li	cence No.	Data Source		ntractor	000	
Business Address (street r	name, number, city	etc) 17	<i>y</i>	4006		Date Received	6*** 1 MZ008° Dat	te of Inspection	YYYY MM D	DD
Name of Well Technician	ank 5+	metca (e)	Well T	echnician's L	icence No.	Remarks		ell Record Numb	per	
Signature of Vechnician/C	fen wick ontractor		Date Su	327 Ibmitted YYYY	MM DD					
X Warne, 0506E (09/03)	Kenwill	Contractor's Cop	y 🔲 Minist	2006	02 06	ner's Copy 🔲	Cette fo	ormule est dis	ponible en franç	ais

♥ Onta	rio ¦	Ministry of the Environ		Well Tag	g Number (P	A 03	6332	□ Regulation 90	3 Ontari	Well o Water R	Record
Instructions for C	Completin	na Form	,	A	036	332					e of
For use in the IAll Sections mu	Province of ust be compared in the compared in	of Ontario npleted in functions	applicatio	d delays on can b	ent is a pern in processine directed to	nanent lega ng. Further o the Water	instructions an	Please retain for futured explanations are available ment Coordinator at	ailable o	n the back	of this form.
Please print cle				10 1/10	Or a metre			Ministry Us	e Only		
											-
Address of Well Locate 55 RR#/Street Number/N	ue K	/District/Mun	icipality)	•		City/Town/V	Lawa	Site/Compa	d // artment/l	Concessi Con Block/Tract	1
8	AD Zon	669	,90		2190	Unit Make/N	Model Mode	·	lifferentiated,		veraged
Log of Overburde General Colour Mo	en and Be		<u>`</u>	ee inst Other Ma	<u>-</u>		Genera	al Description	*	Depth	Metres
										From	То
			· 						\ `		
A STATE OF THE STA											
Hole Diameter Depth Metres	er Diameter			Cons	truction Rec			Tes Pumping test method	t of Wel	l Yield Down	Recovery
ļi	Centimetres	Inside diam centimetres	Materi	al	Wall thickness centimetres	Depth From	Metres	Tumping test method	Time Wa	ater Level Ti	me Water Level
		centimetres			Casing	110111	10	Pump intake set at - (metres)	Static Level	100000	
		-		ibreglass				Pumping rate - (litres/min)	1		1
Water Recor		1	Plastic (Duration of pumping	2		2
Water found Air Metres Kind	of Water Sulphur	1	Steel F	- 1				hrs + min	3		3
Gas Salty Other:	Minerals	-	Galvanized					of pumping metres Recommended pump	4		1
m Fresh	Sulphur		Steel F	-				type. Shallow Deep Recommended pump	5		5
Other:	Minerals		Galvanized	1				depthmetres			
	Sulphur Minerals	Outside	Steel	ibreglass	Screen Slot No.			rate. (litres/min)	10 15	1	0 5
Other: After test of well yield, w	vater was	1 15	Plastic	Concrete				If flowing give rate - (litres/min)	20 25	2	5
Clear and sediment f	free		Galvanized		asing or Scr	een		If pumping discontinued, give reason.	30 40		0
	□ No		Open hole		<u></u>				50	5	0
	ing and Se	aling Recor	d [Annula	r space 🔀 A	bandonment		Location o	60 of Well	10	0
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A 085126 Vor Print Below) Well Tag Ministry of Ontario Ministry of the Environment Cluster Well Construction Regulation 903 Ontario Water Resources Act 085176 Page . NEPEAN 55 LODGE ROAD Province City/Town/Village Postal Code County/District/Municipality MANOTICK Ontario CARLETON Northing Mode of Operation: Undifferentiated UTM Coordinates Zone Easting GPS Unit Make Model Averaged 38 NAD 8 3 1 / 8 4 4 4 5 7 8 5 0 1 26 7 5 GARMIN P Differentiated, specify 600618 SARTH Hole Details Overburden and Bedrock Materials (see instructions on the back of this form) Depth (Metres) Diameter Most Common Other General (Centimetres) Materials Description Material From From To 0.0.75 SAND CLAY 0,0 7.6 0.75 1,5 SAND CHAY LAYERING 7.6 1.5 CLAY SILT 7,6 EOH Water Use Not used Industrial Public Other, specify Dewatering Domestic Commercial Municipal Monitoring Livestock Irrigation Test Hole Cooling & Air Conditioning Method of Construction Air Percussion Cable Tool Boring
Other, specify Rotary (Conventional) Diamond Rotary (Reverse) Jetting Rotary (Air) Driving PORT. AVOITOR Status of Well Test Hole Abandoned, Insufficient Supply Replacement Well Abandoned, Poor Water Quality Dewatering Well Other, specify Alteration (Construction) Abandoned, other, specify No Casing and Screen Used Static Water Level Test 2.0 Metres Construction Details Screen Depth (Metres) Fibreglass (steel, plastic, fibreglass, concrete, galvanized) From Slot No. 0,0 7.6 PNC 0,010" Water Details Water found at Depth Kind of Water 2.0 Metres Gas Fresh Salty Sulphur Minerals Water found at Depth Kind of Water Metres Gas Fresh Salty Sulphur Minerals Annular Space/Abandonment Sealing Record Kind of Water Water found at Depth Depth Set at (Metres) Type of Sealant Used (Material and Type) Volume Used Metres Gas Fresh Salty Sulphur Minerals (Cubic Metres) CONCRETE Disinfected Yes No If no, provide reason: Date Master Well Completed 6,2 (yyyy/mm/dg) BENTONITE 1.5 2009/06 SAND Cluster Information (Please also fill out the additional Cluster Well 7.6 Information for Well Construction for each parcel of land and cluster.) EOH 7.6 Total Wells in Clyster Please indicate Number of Cluster Well Information Log Sheets Submitted Total Wells on this Property 4 Location of Well Cluster Detailed Map must be provided as an attachment no larger than legal size (8.5" x 14"). Sketches are not allowed. Check box to confirm detailed map is provided as per Section 11.1 (3) Consent to release additional information concerning the cluster to the Director upon request Well Contractor and Well Technician Information Business Name of Well Contractor SONIC SOIL SAMPLING INC. 1 4 Business Address (Street No./Name, number, RR) 668 MILLWAY AVENUE Postal Code Business E-mail Address M 04171 L4K 3 V 2 ONTARIO sonic@sonicsoil.com Date Received (ylyyyhm2009 Date of Inspection (yyyy/mm/dd) ARCHIBALD, ALAN

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

9056600501

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1992 (11/2006)

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Date Submitted (yyyy/mm/dd) 2009 107/03

Ministry's Copy

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♥ Ontario

Ministry of the Environment Well T. A 085126 (ell Tag No.)

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Cluster Well Information for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

Page ____ of ____

	ss of Well Location (Street Number/Name, RR)	Lot	Concession	Township NEX	ط ۱۸		y/District/Mur		Signature of Te	echnician/Contractor	Date (yyyy/mm/dd)
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3	ONIC SOIL SAMOUN	UK love	668 MILLW	A4 Aver	ve y			ONTARIO	Ministry Us	se Only	
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	of Well Technician (First Name, Last Name)		Well Technician's Licence N	 Date Submitted () 	vyyy/mm/dd) Signature	of Technician			AudidNUL 1	7 2009 3988 Memarks	MNI
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Annular Space Depth Set at (n(t)) Type of Sealant Used	Volume Placed	After test of well yield, water was:	Il Yield Testing Draw Down	Recovery
From To (Material and Type)	Volume Placed (m (fi ²)	Clear and sand free	1 1	Time Water Level
15, 0, Months device	Servet 4.2	Other, specify If pumping discontinued, give reason:	(min) (m/it)	(min) (m/ft)
	,	if pumping discontinued, give (eason:	Level	
			1	1
		Pump intake set at (m/ft)	2	2
		Pumping rate (I/min / GPM)	3	3
Method of Construction	Well Use	Tuniping tato (inimity of my		4
☐ Cable Tool ☐ Diamond ☐ Public ☐ Rotary (Conventional) ☐ Jetting ☐ Domestic	☐ Commercial ☐ Not used ☐ Municipal ☐ Dewatering	Duration of pumping	<u> </u>	
Rotaly (Reverse) Driving Livestock	☐ Test Hole ☐ Monitoring	hrs + min	5	5
☐ Boring ☐ Digging ☐ Irrigation ☐ Air percussion ☐ Industrial	Cooling & Air Conditioning	Final water level end of pumping (m/it)	10	10
Other, specify		If flowing give rate (I/min / GPM)	15	15
Construction Record - Casing	Status of Well		20	20
Diameter (Galvanized Fibreglass, Thickness /	th (m/ft) Water Supply	Recommended pump depth (m/ft)	<u> </u>	
	I - II Replacement vveli i		1 25 1	05
(cm/in) Concrete, Plastic, Steel) (cm/in) Front	To Replacement Well Test Hole	Recommended pump rate	25	25
(cm/in) Concrete, Plastic, Steel) (cm/in)	Test Hole	Recommended pump rate (I/min / GPM)	30	30
(cmvin) Concrete, Plastic, Steel) (cmvin)	Test Hole Recharge Well Dewatering Well Observation and/or			
(cm/in) Concrete, Plastic, Steel) (cm/in)	Test Hole Recharge Well Dewatering Well	(I/min / GPM) Well production (I/min / GPM)	30	30
(cm/in) Concrete, Plastic, Steel) (cm/in)	Test Hole Recharge Well Dewatering Well Observation and/or Monitoring Hole Alteration (Construction)	(I/min / GPM) Well production (I/min / GPM) tQis/nfected?	30 40	30 40
forming Collecte, Fitaglic, Otterly (criting)	Test Hole Recharge Well Dewatering Well Observation and/or Monitoring Hole Alteration (Construction) Abandoned, Insufficient Supply	(//min / GPM) Well production (//min / GPM) tois infected? Yes No	30 40 50 60	30 40 50
Construction Record - Screen Outside Material Dep	Test Hole Recharge Well Dewatering Well Observation and/or Monitoring Hole Alteration (Construction) Abandoned,	(//min / GPM) Well production (//min / GPM) tois infected? Yes No	30 40 50 60 Ell Location	30 40 50 60
Construction Record -Screen	Test Hole Recharge Well Dewatering Well Observation and/or Monitoring Hole Alteration (Construction) Abandoned, Insufficient Supply Abandoned, Poor Water Quality Abandoned, other,	(//min / GPM) Well production (//min / GPM) tois infected? Yes No Map of We	30 40 50 60 Ell Location	30 40 50 60
Construction Record Screen Outside Diameter (Plante Galvanized Steel) Slot No.	Test Hole Recharge Well Dewatering Well Observation and/or Monitoring Hole Alteration (Construction) Abandoned, Insufficient Supply Abandoned, Poor Water Quality Abandoned of the	(//min / GPM) Well production (//min / GPM) tois infected? Yes No Map of We	30 40 50 60 Ell Location	30 40 50 60
Construction Record Screen Outside Diameter (Plante Galvanized Steel) Slot No.	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	(//min / GPM) Well production (//min / GPM) Disinfected? Yes No Map of Well Please provide a map below following	30 40 50 60 ell Location instructions on the I	30 40 50 60 back.
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Construction Record - Screen Outside Diameter (cm/in) (Plastic, Galvanized, Steel) Water Details	Test Hole Recharge Well Dewatering Well Dewatering Hole Alteration (Construction) Abandoned, Insufficient Supply Abandoned, Poor Water Quality Abandoned, other, specify Other, specify Hole Diameter d Depth (m/ft) From To (cm/in)	(I/min / GPM) Well production (I/min / GPM) Dishfected? Yes No Map of Well Please provide a map below following	30 40 50 60 Ell Location	30 40 50 60 back.
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Construction Record Screen Outside Diameter (cm/in) Water Details Water found at Depth Kind of Water: Fresh Unteste (m/it) Gas Other specify Water found at Depth Kind of Water: Fresh Unteste (m/it) Gas Other specify Water found at Depth Kind of Water: Fresh Unteste (m/it) Gas Other specify Water found at Depth Kind of Water: Fresh Unteste (m/it) Gas Other specify Well Contractor and Well Technici Business Name of Well Contractor Business Address (Street Number/Name)	Test Hole Recharge Well Dewatering Well Dewatering Hole Alteration (Construction) Abandoned, Insufficient Supply Abandoned, Poor Water Quality Abandoned, other, specify Other, specify Hole Diameter Depth (m/ft) Diameter From To Well Contractor's Licence No. Municipality	Well production (I/min / GPM) Dishfected? Yes No Map of W. Please provide a map below following	30 40 50 60 ell Location instructions on the I	30 40 50 60 back.
Construction Record Screen Outside Diameter (cm/in) Water Details Water found at Depth Kind of Water: Fresh Unteste (m/it) Gas Other specify Water found at Depth Kind of Water: Fresh Unteste (m/it) Gas Other specify Water found at Depth Kind of Water: Fresh Unteste (m/it) Gas Other specify Water found at Depth Kind of Water: Fresh Unteste (m/it) Gas Other specify Well Contractor and Well Technici Business Name of Well Contractor Business Address (Street Number/Name)	Test Hole Recharge Well Dewatering Well Dewatering Hole Alteration (Construction) Abandoned, Insufficient Supply Abandoned, Poor Water Quality Abandoned, other, specify Other, specify Hole Diameter Depth (m/ft) Diameter From To Well Contractor's Licence No. Municipality	Well owner's Date Package Delivered	30 40 50 60 ell Location instructions on the I	30 40 50 60 Doack. Control C
Construction Record - Screen Outside Diameter (cm/in) Water Details Water found at Depth Kind of Water: Fresh Unteste (m/it) Gas Other specify Water found at Depth Kind of Water: Fresh Unteste (m/it) Gas Other specify Water found at Depth Kind of Water: Fresh Unteste (m/it) Gas Other specify Water found at Depth Kind of Water: Fresh Unteste (m/it) Gas Other specify Water found at Depth Kind of Water: Fresh Unteste (m/it) Gas Other specify Well Contractor and Well Technici Business Name of Well Contractor Business Address (Street Number/Name) Frovince Postal Code Business E-mail Address (Street Number/Name)	Test Hole Recharge Well Dewatering Well Dewatering Hole Alteration (Construction) Abandoned, Insufficient Supply Abandoned, Poor Water Quality Abandoned, other, specify Other, specify Hole Diameter Depth (m/fi) Diameter From To Well Contractor's Licence No. Municipality Address	Well owner's information package Well owner's package Delivered information package Well owner's package Delivered information package	30 40 50 60 ell Location instructions on the I	30 40 50 60 Doack. Control C
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Ontario Ministry of the Environment	Well Tag No. (Place Sticker and	· ·		ell Record er Resources Act
Measurements recorded in: Metric Naperial	N ITC		Page_	of
Well Owner's Information First Name / Organization		E-mail Address	N D	Well Constructed
_ City of Oth	awa 10C	oncreate	USL E	Owner Owner
Mailing Address (Street Number/Name)	Municipality A	Province Postal Code	Telephone N	o. (inc. area code)
Well Location	1-0-50 100 10	W CWALLER		
Address of Well Location (Street Number/Name)	Township	Lot	Concession	PC
County/District/Municipality	City/Town/Village	n 1/4/6	Province	Postal Code
About Cerleton	Nepre	an.	Ontario	
TIM Coordinates Zone Easting Northing	Municipan Plan and Sublot I	Number 20872	Other + 1	
NAD 8 3 S 4 4 4 4 5 5 6 6 6 6 6 6 6 6	aling Record (see instructions on the ha	1 ()	1-11	
General Colour Most Common Material	Other Materials	General Description	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Depth (n/ft)
Manitar la la	20 Alandon	ment (2/4	-	66'
1.5611(6), 100	V V V V V V V V V V V V V V V V V V V			
A 0 1 0 0				
Deing all of t	10 045 89-	1591 0		
Annular Space	Values Blassid	Results of We After test of well yield, water was:	II Yield Testing Draw Down	Recovery
Depth Set at (<i>m/ft</i>) From To (Material and Type)	(m³/ft³)	Clear and sand free	Time Water Level	Recovery Time Water Level
66' 6' Quid Gran		Other, specify	(min) (m/ft)	(min) (m/ft)
6' 0' Backfill		If pumping discontinued, give reason:	Level	
6 5 100			1	1
		Pump intake set at (m/ft)	2	2
		Pumping rate (I/min \GPM)	3	3
Method of Construction ☐ Cable Tool ☐ Diamond ☐ Public	Well Use			
		\ 1	141/	4
Rotary (Conventional)	☐ Municipal ☐ Dewatering	Duration of pumping	4	
☐ Rotary (Conventional) ☐ Jetting ☐ Domestic ☐ Rotary (Reverse) ☐ Driving ☐ Livestock	☐ Municipal ☐ Dewatering ☐ Test Hole ☐ Monitoring	hrs + min		5
☐ Rotary (Conventional) ☐ Jetting ☐ Domestic ☐ Rotary (Reverse) ☐ Driving ☐ Livestock ☐ Boring ☐ Digging ☐ Irrigation ☐ Air percussion ☐ Industrial	☐ Municipal ☐ Dewatering ☐ Test Hole ☐ Monitoring ☐		5 10	5 10
☐ Rotary (Conventional) ☐ Jetting ☐ Domestic ☐ Rotary (Reverse) ☐ Driving ☐ Livestock ☐ Boring ☐ Irrigation ☐ Industrial ☐ Other, specify ☐ Other, specify	Municipal Dewatering Test Hole Monitoring Cooling & Air Conditioning	hrs + min		5
Rotary (Conventional)	Municipal Dewatering Test Hole Monitoring Cooling & Air Conditioning Status of Well	hrs + min Final water level end of pumping (cr/ft) If flowing give rate (I/min / GPM)	5 10	5 10
Rotary (Conventional)	Municipal Dewatering Test Hole Monitoring Cooling & Air Conditioning Status of Well Water Supply Replacement Well	hrs + min Final water level end of pumping (pv/fi)	5 10 15	5 10 15
Rotary (Conventional)	Municipal Dewatering Dewa	hrs + min Final water level end of pumping (ev/ft) If flowing give rate (I/min / GPM) Recommended pump depth (m/ft) Recommended pump rate	5 10 15 20	5 10 15 20
Rotary (Conventional)	Municipal Dewatering Test Hole Monitoring Cooling & Air Conditioning Status of Well Water Supply Replacement Well To Recharge Well Dewatering Well	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)	5 10 15 20 25 30	5 10 15 20 25 30
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Rotary (Conventional)	Municipal Dewatering Dewa	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)	5 10 15 20 25 30 40	5 10 15 20 25 30 40
Rotary (Conventional)	Municipal Dewatering Test Hole Monitoring	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	5 10 15 20 25 30 40 50	5 10 15 20 25 30
Rotary (Conventional)	Municipal Dewatering Test Hole Monitoring Focusion Dewatering Focusion Dewatering Focusion Dewatering Focusion Dewater Dewatering Dew	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 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	5 10 15 20 25 30 40 50 60 Ell Location	5 10 15 20 25 30 40 50
Rotary (Conventional)	Municipal Dewatering Test Hole Monitoring Cooling & Air Conditioning Status of Well Water Supply Replacement Well To Recharge Well Dewatering Well Dobservation and/or Monitoring Hole Alteration (Construction) Abandoned, Insufficient Supply In Mandoned, Insufficient Supply Abandoned, Other, Insufficient Supply Abandoned, Other, Insufficient Supply Abandoned, Other, Insufficient Supply In Mandoned, Other, Other, Other, Othe	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	5 10 15 20 25 30 40 50 60 Ell Location	5 10 15 20 25 30 40 50
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Rotary (Conventional)	Municipal Dewatering Test Hole Monitoring Cooling & Air Conditioning Status of Well	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 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	10 15 20 25 30 40 50 60 Ell Location instructions on the base	5
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Rotary (Conventional)	Municipal Dewatering Test Hole Monitoring Cooling & Air Conditioning For Monitoring For Monito	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) Disjnfected? Yes \(\text{No} \) Map of We Please provide a map below following	10 15 20 25 30 40 50 60 Ell Location instructions on the base	5 10 15 20 25 30 40 50
Rotary (Conventional)	Municipal Dewatering Test Hole Monitoring Cooling & Air Conditioning	hrs + min Final water level end of pumping (m/ft) If flowing give rate (l/min / GPM) Recommended pump depth (m/ft) Recommended pump rate (l/min / GPM) Well production (l/min / GPM) Disinfected? Yes No Map of Well Please provide a map below following	5 10 15 20 25 30 40 50 60 Ell Location instructions on the back of	5 10 15 20 25 30 40 50 60 60 60 60 60 60 6
Rotary (Conventional)	Municipal Dewatering Test Hole Monitoring Cooling & Air Conditioning	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? No Map of We Please provide a map below following Comments: Well owner's Date Package Delivereinformation	10 15 20 25 30 40 50 60 Ell Location instructions on the back of t	5 10 15 20 25 30 40 50 60 60 ack.
Rotary (Conventional) Jetting Domestic Rotary (Reverse) Driving Livestock Irrigation Digging Irrigation Industrial Other, specify Other, specify Other, specify Driving Irrigation Industrial Depti Construction Record - Casing Open Hole OR Material Thickness (Canvanized, Fibreglass, Concrete, Plastic, Steet) Thickness (canvin) From Construction Record - Casing Wall Depti Thickness (canvin) From	Municipal Dewatering Test Hole Monitoring Cooling & Air Conditioning	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) Disinfecter!? No Map of Wellowing Please provide a map below following Comments: Well owner's information package delivered delivered Date Work Completed	10 15 20 25 30 40 50 60 Ell Location instructions on the back of t	5 10 15 20 25 30 40 50 60 60 60 60 60 60 6
Rotary (Conventional)	Municipal Dewatering Test Hole Monitoring Cooling & Air Conditioning	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) Disinfecter? Yes No Map of Well pumping the map below following the map below followed the map below following the map below followed the map below	10	5 10 15 20 25 30 40 50 60 60 60 60 60 60 6

Ontario Measurements recorded	Ministry of the Environment in:	Well Tag No. (Place S	iticker and/or Print Below)	Regulation,903 On	Well Record tario Water Resources Act Page of
Well Location Address of Well Location County/District/Municipali UTM Coordinates Zone R NAD 8 3 3 Overburden and Bedro	Last Name (organization of the company of the comp	Municipality Township City/Town/Village Municipal Plan a	nd Sublot Number A R - 20 ons on the back of this form)	Postal Code Te	
Depth Set at (m/fl)	Annular Space Type of Sealant Used	Yolume Pla	R 1 5 1 5 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Results of Well Yield	Testing v Down Recovery
Method of Const Cable Tool Rotary (Conventional) Rotary (Reverse)	(Material and Type) Backfill	Well Use Commercial Note Municipal Des	Clear and sand Other, specify If pumping discentin Pump intake set at Pumping rate (I/min used watering nitoring hrs +	If free Time V (min) V	Nater Level (m/ħ) Time (m/ħ) Water Level (m/ħ) 1 2 3 4 5 5 10
Other, specify	ruction Record - Casing R Material Wall Dep	Status of th (m/it)	Recommended pur nt Well Vell Well I and/or Hole Disinfected?	mp depth (m/ft) 20 25 25 30 40	15 20 26 30 40 50
Outside Diameter (cm/in) (Plastic, Galvar	ial Dep		Supply , Poor lity , other, iffy liameter	Map of Well Locar	ns on the back.
M/ft Gas Water found at Depth Kir Gas Water found at Depth Kir (m/ft Gas Water found at Depth Kir (m/ft Gas Well Gas Well Gas Well Gas Well Gas Well Gas Well Gas Ga	Other, specify Ind of Water: Fresh Unteste Other, specify Ind of Water: Fresh Unteste Other, specify Contractor and Well Technicic ontractor	an Information Well Contractor's Lice Municipality	ence No. Comments:	JE OF LO	7 D Me Pood dge Pood
BIS. Telephone No. (inc. are.) BIS. Telephone No. (inc. are.) Well Technician's Licence No.	al Code Business E-mail Action a code) Name of Well Technician Signature of Technician and/or Company Printer for Ontario, 2007	(Last Name, First Name)	information package delivered Date	Y Y M M D D Work Completed	Ministry Use Only Audit No. z 119957 DEC 29 2010

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: ☐ Metric Nighperial Well Owner's Information	. 10 [11	Pageof
First Name / Organizati	on C C E-mail Address	Well Constructed
Mailing Address (Street Number/Name)	Municipality Province	Postal Code Telephone No. (inc. area code)
Well Location	FORD POCION U	AND THE MEDICAL
Address of Well Location (Street Number/Name)	Township	Lot Concession
County/District/Municipality	City/Town/Village	Province Postal Code
UTM Coordinates Zone Easting Northing	Municipel Plan and Subjot Number	Ontario
NAD 8 3 RITE TOLL		70 tart 12
Overburden and Bedrock Materials/Abandonment Signature General Colour Most Common Material		eral Description Depth (n(t))
1/4" Novie	toring Wall Albert	terment 01301
		.
v 0 '		
# Barra 20191.	rin 04589 - 150	7' ()(6)
Annular Space Depth Set at (m/ft) Type of Sealant Used	20/35/20/30 20/31	Results of Well Yield Testing , water was: Draw Down Recovery
From To (Material and Type)	(m³/ft³) ☐ Clear and sand ☐ Qther, specify	free Time Water Level Time Water Level (min) (m/it) (min) (m/it)
20, 0, 4186 trid	If pumping discontinu	ed, give reason: Static Level
0		1 1
	Pump intake sat at ((m/ft) 2 2
Method of Construction	Well Use	(GPM) 3 3
Cable Tool Diamond Public Rotary (Conventional) Jetting Domestic	Commercial Not used Duration of pumping	
Rotary (Reverse) Driving Livestock Boring Digging Irrigation	Test Hole Monitoring hrs + Cooling & Air Conditioning Final water level end	min 5 5
☐ Air percussion ☐ Industrial ☐ Other, specify ☐ Other, specify		10 10
Construction Record - Casing	If flowing give rate (t	
Diameter Galvanized, Fibreglass, Thickness	% (m/t)	pp depth (m/fi) 20 20 25 25
(cm/in) Concrete, Plastic, Steel) (cm/in) From	Test Hole Recommended pur	
	Dewatering Well	40
	Observation and/or Monitoring Hole Alteration	in / GPM) 50 50
	(Construction) Disinfected? No	60 60
Construction Record - Screen	Insufficient Supply	Map of Well Location
Outside Diameter (cm/in) (Plastic Galvanized, Steel) Stot No. From	oth (<i>m/ft</i>) Water Quality Please provide a maj	Map of Well Location to below following instructions on the back.
(Ciral)	asstruction	Du
	Other, specify	\oS
Water Details	Hole Diameter	O Pa
Water found at Depth Kind of Water: ☐ Fresh ☐ Unteste	Depth (m/ft) Diameter (cm/in)	150
Water found at Depth Kind of Water: Fresh Unteste	1531	
(m/ft)		
(m/ft) Gas Other, specify	δ //	1 14M 9
Well Contractor and Well Technici Business Name of Well Contractor	ian information Well Contractor's Licence No. 3	Line Dodge Road
ALP Feck DP111 NG CE Business Address (Street Number/Name)	Municipality Comments:	Lodge
LPAI YELL	nento	
Province Postal Code Business E-mail Ad	Well owner's Date	Package Delivered Ministry Use Only
Bus. Telephone No. (inc. area code) Name of Well Technician	The state of the s	YYMMDD Z119958
Well Technician's Licence No. Signature of Technician and/or C	ANUNCIO Date	Work Completed DEC 2 9 2010
	2010 1 29	

Well Tay 140. (Frace Sticker androi Franciselow)

1105570

Well Record

Regulation 903 Ontario Water Resources Act

Well Location	
Address of Well Location (Street Number/Name) Township Township	Ja Polita Concession Ra Fa
County/District/Municipality City/Town/Village	Province Postal Code
Ottoma. Car etan Ox	Ontario
UTM Coordinates Zone Easting Northing Municipal Plan and Subl	lot Number Other
NAD 8 3 18444 15 DO 10 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	e back of this form)
General Colour Most Common Material Other Materials	General Description Depth (CIII)
60- (10)	0:350
Siego Clay Bould of	a Cilt Mari
Sand, Gravel, Douldars	93611 MAX 03 661
Grey himestore	66 188
Gray & White Sand Ston	0 188 308
Green, Red, White + blec	el Granite 328 500'
We00 + 2	
Annular Space	Results of Well Yield Testing
Depth Set at (n(n)) Type of Sealant Used Volume Placed	After test of well yield water was: Draw Down Recovery
From To (Material and Type) (mid-	Clear and said free Time Water Level Time Water Level (min) (m/ft) (min) (m/ft)
68' 58' Next Conert Slurry 9,36	If pumping discontinued, give reason: Static 7174
58' o' Neat Bentavite Slury 37.8	Level (do 1
	1 67" 1 110'3"
	Pump intake set at (1641) 2 97'2" 2 98'8"
	Pumping rate (Vmin GPM) 33517" 3 2018"
Method of Construction Well Use Cable Tool Diamond Public Commercial Not used	15 4/2/11/ 4/2/9/
Rotary (Conventional)	Duration of pumping
Rotary (Reverse) Driving Livestock Test Hole Monitoring	Final water level end of pumping (m/ft)
☐ Boring ☐ Digging ☐ Irrigation ☐ Cooling & Air Conditioning ☐ Industrial	126'9" 10 37'1"
Other, specifyOther, specify	If flowing give rate (#min / GPM) 15 87 2 15
Construction Record - Casing Status of Well	20 921/11 20 101/11
Inside Open Hole OR Material Wal Depth (mile) Water Supply Diameter (Galvanized, Fibreglass, Concrete, Plastic, Steel) (critin) From To	Recommended pump depth (6/ft) 25 1747 25 1748
1 lest Hole	Recommended nump rate
6" Stell 188 + 2' 68' Recharge Well Dewatering Well	(1/mig/1.6PM) 5 30 110 30 717"
6" Dho 48 5m Doservation and/or	Well production (Vmine GEMP 40 [182" 40]
Monitoring Hole Alteration	50 1217" 50
(Construction) Abandoned,	Disinfected?
Insufficient Supply	Map of Well Location
Outside Material Depth (m/ft) Water Quality	Please provide a map below following instructions on the back.
Diameter (Plastic, Galvanized, Steel) Slot No. From To Abandoned, other, specify	101
Specify	18 Pood & B
Other, specify	1 91 obace
	7 60
Water Details Hole Diameter Water found at Depth Kind of Water: Fresh Ontested Depth (m/ft) Diameter	\$ x Road
From To (cm/in)	
Water found at Depth Kind of Water: Fresh Dintested 0 500 6	0 / - 12
(n(ft)) Gas Other, specify	4
Water found at Depth Kind of Water: Fresh Untested	
Well Contractor and Well Technician Information	as to sur
Business Name of Well Contractor Well Contractor's Licence No.	(X)
AIR KOCKETRILL ING COLTD 1119	9
Business Address (Street Number/Name) Municipality	Comments:
Province Postal Code Business E-mail Address	Wall#2
ANT KOADIZO	Well owner's Date Package Delivered Ministry Use Only
Bus Telephone No. (inc. area code) Name of Well Technician (Last Name, First Name)	package 2010209 Audit No. 110000
Well Technician's Licence No. Signature of Technician and/or Contractor Date Submitted	package delivered Date Work Completed z 119809
134 84 Key Sold Contractor Date Submitted	MAY 6 A DOM
0506E (2007/12) © Queen's Printer for Ontario, 2007 Ministry's Cop	

Ministry of the Environment Well Tag No. (Place Sticker and/or Print Below)

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H	Ubl	-8	54	~	ARUMAI)NFL

We		IR	ec	0	ľ	d
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Regulation 903 Ontario Water Resources Act asurements recorded in: Metric | Imperial Well Owner's Information Last Name / Organization E-mail Address First Name Colautti Construction by Well Owner Itd. Mailing Address (Street Number/Name) Province Telephone No. (inc. area code) KIN TI3N P GIL 3 8 2 2 1 1 4 9 0 On 2562 Del Zotto Gloucester Well Location Lot Concession Address of Well Location (Street Number/Name) Township 274 River Dd. County/District/Municipality City/Town/Village Postal Code Ottawa Northing Manotick Ontario VTM Coordinates Zone Easting

NAD | 8 | 3 | 1 | 9 | 4 | 4 | 9 | 9 | 0 Municipal Plan and Sublot Number Other 50112239 Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form) Depth (m/ft General Description Most Common Material Other Materials General Colour **Results of Well Yield Testing** Annular Space After test of well yield, water was: Draw Down Recovery Type of Sealant Used (Material and Type) Depth Set at (m/ft) Volume Placed Time Water Level (m³/ft³) ☐ Clear and sand free Time Water Level From To (min) (m/ft) (min) (m/ft) Concrete / Bentinite Grout Other, specify 2 45.6 Static If pumping discontinued, give reason: Level Holi plug 0 1 1 Pump intake set at (m/ft) 2 2 3 3 Pumping rate (I/min / GPM) Well Use Method of Construction 4 4 Commercial ☐ Not used Public ☐ Diamond Cable Tool Duration of pumping ☐ Domestic Municipal □ Dewatering ☐ Jetting Rotary (Conventional) 5 5 min hrs + ☐ Monitoring Livestock Test Hole Rotary (Reverse) Driving Final water level end of pumping (m/ft) **Digging** ☐ Irrigation Cooling & Air Conditioning Boring 10 10 Industrial Air percussion Other, specify 15 15 Other, specify If flowing give rate (I/min / GPM) Status of Well Genstruction Record - Casing 20 20 Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel) Depth (m/ft) ☐ Water Supply Recommended pump depth (m/ft) Thickness Diamete (cm(in) 25 Replacement Well 25 (cm/in) ☐ Test Hole Recommended pump rate (I/min / GPM) 30 30 Recharge Well 60 Dewatering Well 40 40 Observation and/or Monitoring Hole Well production (I/min / GPM) 50 50 ☐ Alteration Disinfected? (Construction) 60 60 Yes No Abandoned. Insufficient Supply Map of Well Location Construction Record - Screen Abandoned, Poor Water Quality Please provide a map below following instructions on the back Depth (m/ft) Outside Material Slot No Abandoned, other, (Plastic, Galvanized, Steel) specify Construction Other, specify **Hole Diameter** Water Details Depth (m/ft) Diameter Water found at Depth Kind of Water: Fresh Untested From (m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Well Contractor and Well Technician Information Business Name of Well Contractor 8 Marathon Drilling Co. Ltd Business Address (Street Number/Name) Municipality Map is attached Ottown 6847 Hiram Dr. Postal Code Business E-mail Address Ontario WHPIIAI2 jockel & marather drilling.com

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

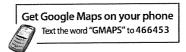
6 1 3 8 2 2 0 5 7 1 UTIGHT TENY Ministry Use Only Date Package Delivered Well owner's information package delivered z126082 Y Y Y Y M M D D Unique Terry
Technician and/or Contractor Date Submitted Date Work Completed Yes 20112051215 No 201120601

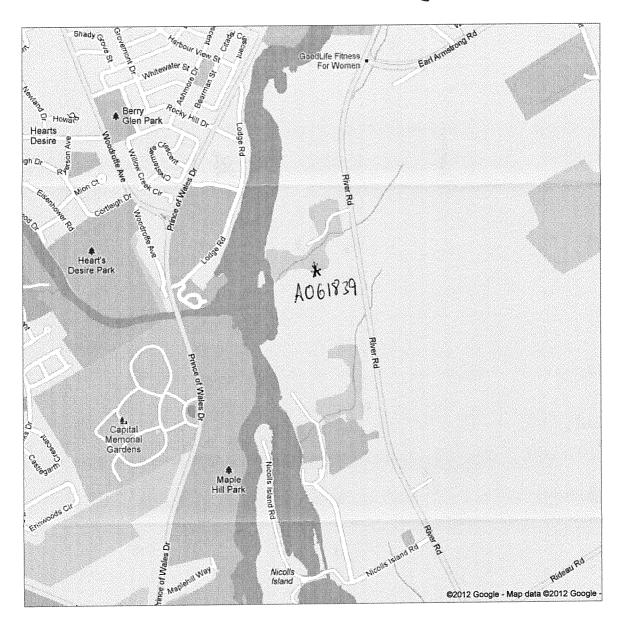
Ministry's Copy

A. T.

Google

Address





C-6899 2126082

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Well ID

Well ID Number: 7237540 Well Audit Number: *Z195930* Well Tag Number: *A170557*

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

Well Location

Address of Well Location	671 RIVER RD
Township	GLOUCESTER TOWNSHIP
Lot	_
Concession	_
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 445198.00 Northing: 5013135.00
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	GRVL	SAND		0 m	.61 m
BRWN	SILT	FSND		.61 m	2.44 m
BRWN	SILT	FSND		2.44 m	4.57 m

Annular Space/Abandonment Sealing Record

Depth	Depth	Type of Sealant Used (Material and Type)	Volume
From	To		Placed
0 m	.31 m	CONCRETE/FLUSHMOUN	Т

.31 m 1.22 m BENTONITE 1.22 m 4.57 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	Open Hole or material	Depth	Depth
Diameter		From	To
4.03 cm	PLASTIC	0 m	1.5 m

Construction Record - Screen

Outside Material Depth Depth From To 4.82 cm PLASTIC 1.5 m 4.57 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	4.57 m	8.25 cm

Audit Number: Z195930

Date Well Completed: January 08, 2015

Date Well Record Received by MOE: February 16, 2015

Well ID Number: 7237541 Well Audit Number: *Z195929* Well Tag Number: *A170556*

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

Well Location

Address of Well Location	671 RIVER RD
Township	GLOUCESTER TOWNSHIP
Lot	_
Concession	_
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 445185.00 Northing: 5013157.00
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	GRVL	SAND	SOFT	0 m	.61 m
BRWN	SILT	FSND	SOFT	.61 m	2.44 m
BRWN	SILT	FSND	SOFT	2.44 m	4.57 m

Depth	Depth	Type of Sealant Used (Material and Type)	Volume
From	To		Placed
0 m	.31 m	CONRETE/FLUSHMOUN	NT

.31 m 1.22 m BENTONTE 1.22 m 4.57 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	Open Hole or material	Depth	Depth
Diameter		From	To
4.03 cm	PLASTIC	0 m	1.5 m

Construction Record - Screen

Outside Depth Depth Diameter Material From To 4.82 cm PLASTIC 1.5 m 4.57 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 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	
1			

Water Details

Depth From	Depth To	Diameter
0 m	4.57 m	8.25 cm

Audit Number: Z195929

Date Well Completed: January 08, 2015

Date Well Record Received by MOE: February 16, 2015

Well ID Number: 7237542 Well Audit Number: *Z195921* Well Tag Number: *A170558*

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

Well Location

Address of Well Location	671 RIVER RD
Township	GLOUCESTER TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 445210.00 Northing: 5013120.00
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	GRVL	SAND	SOFT	0 m	.61 m
BRWN	SILT	FSND	SOFT	.61 m	2.44 m
BRWN	SILT	FSND	SOFT	2.44 m	4.57 m

Depth	Depth	Type of Sealant Used (Material and Type)	Volume
From	To		Placed
0 m	.31 m	CONCRETE FLUSHMOUN	Т

.31 m 1.22 m BENTONITE 1.22 m 4.57 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	Open Hole or material	Depth	Depth
Diameter		From	To
4.03 cm	PLASTIC	0 m	1.5 m

Construction Record - Screen

Outside Material Depth Depth From To 4.82 cm PLASTIC 1.5 m 4.57 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 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	
1			

Water Details

Depth From	Depth To	Diameter
0 m	4.57 m	8.25 cm

Audit Number: Z195921

Date Well Completed: January 08, 2015

Date Well Record Received by MOE: February 16, 2015

Well ID Number: 7253974 Well Audit Number: *Z214891* Well Tag Number: *A165606*

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

Well Location

Address of Well Location	761 RIVER RD.
Township	GLOUCESTER TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 445198.00 Northing: 5013127.00
Municipal Plan and Sublot Number	
Other	_

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
GREY	GRVL	LOOS		0 m	.61 m
BRWN	CLAY	SNDY	SOFT	.61 m	3.1 m
BRWN	CLAY	SILT	SOFT	3.1 m	4.57 m
GREY	CLAY	SILT	SOFT	4.57 m	7.62 m

Depth	Depth	Type of Sealant Used	Volume
From	То	(Material and Type)	Placed

0 m .31 m CONCRETE/FLUSHMOUNT .31 m 3.96 m BENTONITE 3.96 m 7.62 m SAND

Method of Construction & Well Use

Method of Construction	Well Use		
Direct Push			
	Monitoring and Test Hole		

Status of Well

Observation Wells

Construction Record - Casing

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
5.2 cm	PLASTIC	0 m	4.57 m

Construction Record - Screen

Outside Material Depth Depth From To 6.03 cm PLASTIC 4.57 m 7.62 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 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

Depth From	Depth To	Diameter
0 m	7.62 m	15.24 cm

Audit Number: Z214891

Date Well Completed: November 17, 2015

Date Well Record Received by MOE: December 10, 2015

Well ID Number: 7253975 Well Audit Number: Z214889 Well Tag Number: A175529

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

Well Location

Address of Well Location	761 RIVER RD.
Township	GLOUCESTER TOWNSHIP
Lot	_
Concession	_
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 445203.00 Northing: 5013154.00
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	GRVL	LOOS		0 m	.61 m
BRWN	CLAY	SNDY	SOFT	.61 m	3.1 m
BRWN	CLAY	SILT	SOFT	3.1 m	4.57 m
GREY	CLAY	SILT	SOFT	4.57 m	7.01 m

Depth	Depth	Type of Sealant Used	Volume
From	То	(Material and Type)	Placed

0 m .31 m CONCRETE/FLUSHMOUNT .31 m 3.35 m BENTONITE 3.35 m 7.01 m SAND

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	
	Monitoring and Test Hole

Status of Well

Observation Wells

Construction Record - Casing

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
5.2 cm	PLASTIC	0 m	3.96 m

Construction Record - Screen

Outside Material Depth Depth From To 6.03 cm PLASTIC 3.96 m 7.01 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 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

Depth From	Depth To	Diameter
0 m	7.01 m	15.24 cm

Audit Number: Z214889

Date Well Completed: November 17, 2015

Date Well Record Received by MOE: December 10, 2015

Well ID Number: 7253976 Well Audit Number: Z214890 Well Tag Number: A175528

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

Well Location

Address of Well Location	761 RIVER RD.
Township	GLOUCESTER TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 445187.00 Northing: 5013157.00
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	GRVL	LOOS		0 m	.61 m
BRWN	CLAY	SNDY	SOFT	.61 m	3.1 m
BRWN	CLAY	SILT	SOFT	3.1 m	4.57 m
GREY	CLAY	SILT	SOFT	4.57 m	7.01 m

Depth	Depth	Type of Sealant Used	Volume
From	То	(Material and Type)	Placed

0 m .31 m CONCRETE/FLUSHMOUNT .31 m 3.35 m BENTONITE 3.35 m 7.01 m SAND

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	
	Monitoring and Test Hole

Status of Well

Observation Wells

Construction Record - Casing

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
5.2 cm	PLASTIC	0 m	3.96 m

Construction Record - Screen

Outside Material Depth Depth From To 6.03 cm PLASTIC 3.96 m 7.01 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 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

Depth From	Depth To	Diameter
0 m	7.01 m	15.24 cm

Audit Number: Z214890

Date Well Completed: November 17, 2015

Date Well Record Received by MOE: December 10, 2015

Macanine recorded to Internet Improve Internet	Ontario Ministry of the Environment and Climate Change Well Tag No. (Place Sticker and/or Print Below) Well Tag No. (Place Sticker and/or Print Below)								
The process of the	Measurements recorded in: Metric Dimperial H 1906 1 189#: A190864 Measurements recorded in: Metric Dimperial H 1906 1 189#: A190864								
Total professor (street Number Services) Total Contracts (Street Number Services) Total Contract (Street Nu					L				
Total Control		zation () XIa~a		E-mail Address			*******		
Well Journal of Control Contro	Mailing Address (Street Number/Name)	<u></u> M			- (5 10	T	elephone No	. (inc. a	area code)
Control Contro	22 WASHINGTON AND CONTROL OF THE CON	T 1001 12	"Mundle	UN	<u>IW IILIT</u>		1		
Country State Stat	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	To	ownship		Lot	C	concession	***************************************	***************************************
American part Section American America		C	ity/Town/Village			Provinc	e I	Postal	Code
Total Court of Construction Constr	LITM Coordinates Zone Easting Northing		· · · · · · · · · · · · · · · · · · ·	at Number			rio		ROSA AN ARRIVAN
Control Mont Common, Nutrition Charle Materials Charled Control Mont Common Charled Control Mont Charl		[3 2 1 3]	dincipal Flan and Subic	or seamber		Other			
Aphthilds Space Aphthi					al Description			Dept	h (<i>m/ft</i>)
Section Sect		Olite	er Materials		ai Description		F	rom ·	
Amouter Spicos Amouter Spicos Type of Section Libed Type of Secti	Rand	5/1/	and	0.1			1	3 /	5.18
Activates Spaces Activates Spaces Control Control		5-14.51	anes	dense			5",	19	12.8
Depth (with) Type of Sealors Used Volume Placed Province The placed Clear and sealor The placed The p	GKY sand	silt ab	tarave)	dense			/2	.D	14.63
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Depth (with) Type of Sealors Used Volume Placed Province The placed Clear and sealor The placed The p									
Depth (with) Type of Sealors Used Volume Placed Province The placed Clear and sealor The placed The p									
Depth (with) Type of Sealors Used Volume Placed Province The placed Clear and sealor The placed The p	Annyllar Space	9		F	Pesults of W	II Vield	Testing	#(1897(189)	(1250)14733477847706978
Other specify If pumping discontinued, tigs reason: If pumping tigs (plmin/GPM) 2	Depth Set at (m/ft) Type of Sealant U	sed		After test of well yield, v	water was:	Dra	w Down		
Survival	1 71	N	(mne)		ee	(min)	1		
Pump Intake set at (mm) 2		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		If pumping discontinue	d, give reason:	11			
Method: of Construction Dischard Disch					16:1	1		1	
Melt Use Cable Tool Diamond Public Domestic Ontonecial Not used Darmond Diamond Diamond Domestic	100			Pump intake set at (#	1/Tt)	2		2	
Rotary (Conventional) Selecting Development Proceedings Development Proceeding Development Proceeding Development Proceeding Development Proceeding Development Proceeding Development	Method of Construction	Well Use		Pumping rate (I/min / 6	GPM)	3		3	
Construction Record - Casing Conditioning Conditioning Construction Record - Casing Construction Record - Casing R			= 1	Duration of pumping		4		4	
Construction Record - Casting Status of Well If flowing give rate (Imin / GPM) 15 15 15 15 15 15 15 1	☐ Rotary (Reverse) ☐ Driving ☐ Livestock	Test Hole	e Monitoring						
Construction Record Casing Status of Well Technician Status of Well Technican Casing Technican Casing Technican Casing Ca	Air percussion Industrial		a rar Conditioning		. , 5 ,	10			
Depth (m/tl) Depth (m/tl) Depth (m/tl) Depth (m/tl) Total Hole Dewatering Well Dewaterin			Status of Well	If flowing give rate (Vn	nin / GPM)				
Condition Concrete, Plastic, Steel (cm/h) From To Fest Hole Recharge Well Recharge Well Observation and/or Abandoned, Abandoned, Poor Well Contraction Construction Abandoned, Poor Well Contraction Construction Cons	Diameter (Galvanized, Fibreglass, Thickness	, , , ,		Recommended pump	depth (m/ft)				
Dewetering Well Construction (winin / GPM) 40 44 45 45 50 50 50 50	(cm/in) Concrete, Plastic, Steel) (cm/in) Fro	om To	Test Hole		rate				
Water found at Depth Kind of Water: Fresh Untested Information United Unit	4,0 > 100 360 0	11-30	Dewatering Well	(l/min / GPM)		-			
Construction Abandoned, Insufficient Supply Abandoned, Pror Material Please, Galvanized, Steel) Sixt No. Depth (m/ti) Abandoned, other, specify Abandone			Monitoring Hole	Well production (I/min	/ GPM)				
Construction Record - Screen Insufficient Supply Map of Well Location Depth (m/til) Abandoned, other, specify Depth (m/til) Abandoned, other, specify Depth (m/til) Abandoned, other, specify Depth (m/til) Gas Other, specify Depth			(Construction)						***************************************
Dustice Control Cont	Construction Record - Screen		Insufficient Supply	res No	Man of W		fion	00	
Water Details	Outside Material Slot No	·	Water Quality	Please provide a map				*. /	<u> </u>
Water Details Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Diameter From To (cm/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Other, specify Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Other, specify Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Well Contractor and Well Technician Information Well Contractor Date Package Delivered Well Contractor Well Contr	(CITUIN)			Ø	The work of the second of the	**************************************	/		7
Water found at Depth Kind of Water: Fresh Untested Depth (m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Well Contractor and Well Technician Information Business Name of Well Contractor Well Contractor's Licence No. Street Number/Name Municipality Comments: Well Output Out	7,02 200 10 11.	8 14.6	☐ Other, specify	Selection of the select	60,	***		1/	J
Water found at Depth Kind of Water: Fresh Untested Depth (m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Well Contractor and Well Technician Information Business Name of Well Contractor Well Contractor's Licence No. Street Number/Name Municipality Comments: Well Output Out	Wester Desert	341		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			12		
Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Well Contractor and Well Technician Information Business Name of Well Contractor Well Contractor's Licence No. Well Contractor Well Contractor's Licence No. Well Contractor's Licence No. Well Contractor's Licence No. Well Contractor's Licence No. Well owner's Date Package Delivered Information Well Technician (Last Name, First Name) Date Package Delivered Well Technician's Licence No. Signature of Technician and/or Contractor Date Submitted Yes Date Work Completed Yes Date Wor	Water found at Depth Kind of Water: Fresh Untested Depth (m/ft) Diameter								
Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Well Contractor and Well Technician Information Business Name of Well Contractor Business Address (Street Number/Name) Province Postal Code Business E-mail Address On Frovince Postal Code Business E-mail Address Well owner's Date Package Delivered information package delivered Well owner's Date Water of Technician (Last Name, First Name) Well owner's Date Package Delivered information package delivered Well owner's Date Package Delivered information package delivered Q Y Y Y M M D D Date Work Completed Well Technician's Licence No. Signature of Technician and/or Contractor Date Submitted Well Technician's Licence No. Signature of Technician and/or Contractor Date Submitted Received Recei	(m/tt) Gas Other, specify								
Well Contractor and Well Technician Information Business Name of Well Contractor Business Address (Street Number/Name) Province Postal Code Business E-mail Address ON Business Address Bu	(m/ft)								
Business Name of Well Contractor Business Address (Street Number/Name) Province Postal Code Business E-mail Address Well contractor's Licence No. Well owner's information package delivered Well owner's information package delivered Well Technician's Licence No. Signature of Technician and/or Contractor Date Submitted Well owner's information package delivered	water round at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify								
Business Address (Street Number/Name) Province Postal Code Business E-mail Address Well owner's Date Package Delivered Information Date No. (inc. area code) Name of Well Technician (Last Name, First Name) Date Work Completed Date Work Completed Date Work Completed Pess Date Work Completed Date Work Completed	Well Contractor and Well Technician Information					roccours summire a communication of the contract of the contra			
Business Address (Street Number/Name) Province Postal Code Business E-mail Address Well owner's information package delivered Well Technician's Licence No. Signature of Technician and/or Contractor Date Submitted Well Technician's Licence No. Signature of Technician and/or Contractor Date Submitted Well owner's information package delivered Date Work Completed Province Postal Code Business E-mail Address Well owner's information package delivered Date Work Completed Province Postal Code Business E-mail Address Well owner's information package delivered Date Work Completed Province Postal Code Business E-mail Address Well owner's information package delivered Date Work Completed Province Postal Code Business E-mail Address Well owner's information package delivered Date Work Completed Province Province Postal Code Business E-mail Address Well owner's information package delivered Date Work Completed Province Province Postal Code Business E-mail Address Well owner's information package delivered Date Work Completed Province Province Postal Code Business E-mail Address Well owner's information package delivered Date Work Completed Province Province Province Postal Code Province Province Postal Code Province Province Province Postal Code Province Province Postal Code Province Province Province Postal Code Province Province Province Postal Code Province									
Province Postal Code Business E-mail Address ON Bus. Telephone No. (inc. area code) Name of Well Technician (Last Name, First Name) Well Technician's Licence No. Signature of Technician and/or Contractor Date Submitted Well Technician's Licence No. Signature of Technician and/or Contractor Date Submitted Received Received Received Received	Business Address (Street Number/Name) Municipality Comments:								
Well owner's Date Package Delivered information package delivered Well owner's information package delivered Well Technician (Last Name, First Name) Well Technician's Licence No. Signature of Technician and/or Contractor Date Submitted Well owner's Date Package Delivered information package delivered Well owner's informati		il Address	Alkham						
Bus.Telephone No. (inc. area code) Name of Well Technician (Last Name, First Name) 1 1 1 2 3 4 5 5 Well Technician's Licence No. Signature of Technician and/or Contractor Date Submitted Well Technician's Licence No. Signature of Technician and/or Contractor Date Submitted No. Additional Contractor Date Submitted Package No. No. No. No. No. Received No. Received No. No	ON LISIRENAWIEC	ards(0)5)	Produsoil.co		ackage Delivere	114			Only
Well Technician's Licence No. Signature of Technician and/or Contractor Date Submitted Yes Date Work Completed Signature of Technician and/or Contractor Date Submitted No No No No Received 2.7 2015	Bus. Telephone No. (inc. area code) Name of Well Technician (Last Name, First Name) 1								
	Well Technician's Licence No. Signature of Technician and/or Contractor Date Submitted Yes Date Work Completed Yes								

Ontario Ministry of the Environment and Climate Change	Well Tag No. (Place Sticker a	nd/or Print Below)	Well Record	
Measurements recorded in: Metric Imperial	A190865 Tag	#: A190865	n 903 Ontario Water Resources Act √(((((((((((((((((((((((((((((((((((
Well Owner's Information			-(1V)U-*	
First Name Last Name / Organizati	OH awa	E-mail Address	Well Constructed by Well Owner	
Mailing Address (Street Number/Name)	Municipality	Province Postal Code		
Well Location	OY OHawa	TON MIMI		
Address of Well Location (Street Number/Name)	Township	Lot	Concession	
County/District/Municipality	City/Town/Village		Province Postal Code ,	
UTM Coordinates Zone Easting Northing	OHANA	of N	Ontario	
NAD 8 3	Municipal Plan and Subl	ot Number	Other	
Overburden and Bedrock Materials/Abandonment So General Colour Most Common Material	ealing Record (see instructions on the Other Materials	back of this form) General Description	Depth (m/ft)	
BBN to 2 soil	Other Materials	So A	From To	
000	ilt, sand	colf	313.96	
GRY clay 5	ilt stones	dnse	3.96/2.5	
BRN sond	SITA, Grave	dense	12.5 14.63	
Annular Space		Results of W	ell Yield Testing	
Depth Set at (m/ft) Type of Sealant Used From To (Material and Type)	Volume Placed (m³/ft³)	After test of well yield, water was: Clear and sand free	Draw Down Recovery Time Water Level Time Water Level	
0.31 flughinout/co.	norde	Other, specify	(min) (m/ft) (min) (m/ft) Static	
:3111,28 Senton, te		If pumping discontinued, give reason:	Level	
11.28/4.63 Ritter Sand		Pump intake set at (m/ft)	1 1	
			2 2 3	
Method of Construction Cable Tool Diamond Public	Well Use	Pumping rate (I/min / GPM)	3 3	
Rotary (Conventional) Jetting Domestic	☐ Commercial ☐ Not used ☐ Municipal ☐ Dewatering	Duration of pumping hrs + min	5 5	
☐ Rotary (Reverse) ☐ Driving ☐ Livestock ☐ Bozing ☐ Digging ☐ Irrigation	☐ Test Hole ☐ Monitoring ☐ Cooling & Air Conditioning	Final water level end of pumping (m/fi)		
Air percussion ☐ Industrial ☐ Other, specify ☐ Other, specify		If flowing give rate (I/min / GPM)	15 15	
Construction Record - Casing Inside Open Hole OR Material Wall Dep	Status of Well th (m/ft)		20 20	
Inside Open Hole OR Material Wall Depi Diameter (Galvanized, Fibreglass, Thickness (cm/in) Concrete, Plastic, Steel) (cm/in) From	To Replacement Well	Recommended pump depth (m/ft)	25 25	
4.03 PVC 368 0	☐ Test Hole ☐ Recharge Well	Recommended pump rate (I/min / GPM)	30 30	
	Dewatering Well Observation and/or	Well production (I/min / GPM)	40 40	
	Monitoring Hole Alteration		50 50	
	(Construction) Abandoned,	Disinfected? Yes No	60 60	
Construction Record - Screen Outside Dent	Insufficient Supply Abandoned, Poor	Map of W Please provide a map below following	ell Location	
Diameter (cm/in) (Plastic, Galvanized, Steel) Slot No. From	th (m/ft) Water Quality To Abandoned, other, specify	Frease provide a map below lostowstig	Instructions on the back	
4.82 PVC 10 11.58	14.67			
	Other, specify		6.41	
Water Details	Hole Diameter		8 1 6	
Water found at Depth Kind of Water: Fresh Untested Depth (m/ft) Diameter (m/ft) Gas Other, specify From To (cm/in)				
Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify				
Water found at Depth Kind of Water: Fresh Untested				
(m/ft) Gas Other, specify Well Contractor and Well Technician Information				
Well Contractor and Well Technician Information				
Business Address (Street, Number/Name), Municipality (Comments:				
163 Shields Cost Markcham				
Province Postal Code Business E-mail Add	dress	Well owner's Date Package Delivere	d Ministry Use Only	
Bus.Telephone No. (inc. area code) Name of Well Technician.	(Last Name, First Name)	information package	Audit No. Z2 3 3 0 7 6	
Well Technician's Licence No. Signature of Technician and/or Co		☐ Yes Date Work Completed	enth was a second	
3656	20160909		Received L.	
0506E (2014/11)	Ministry's Copy		© Queen's Printer for Ontario, 2014	

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Ministry of the Environment and Climate Change	Tag No. (Place Sticker a	·		ell Record
Measurements recorded in: Metric Imperial	4045) Tag	#: A190859	n 903 Ontario Wa ー[ロルス Page	ater Resources Act of
Well Owner's Information	145)#:A10000	-(10) 0°°	
First Name Last Name / Organization	n 1/	E-mail Address	[Well Constructed
Mailing Address (Street Number/Name)	/ YZAAA Municipality	Province Postal Code	Telephone	by Well Owner No. (inc. area code)
110 Laurier Quenue, 5th Flour	Othera	ON KIPI	T	
Well Location			J.,	
Address of Well Location (Street Number/Name)	Township	Lot	Concessio	n
County/District/Municipality	City/Town/Village		Province	Postal Code
UTM Coordinates Zone, , Easting , Northing	Municipal Plan and Subl	of Number	Ontario Other	
UTM Coordinates Zone Easting Northing NAD 8 3 1 8 4 9 5 6 6 7 3 7	Municipal Plan and Subi	ot Number	Other	
Overburden and Bedrock Materials/Abandonment Sealing R	Lecord (see instructions on the	e back of this form)		
General Colour Most Common Material	Other Materials	General Description	1	Depth (<i>m/ft</i>) From To
BRN top soil		loose		9 .7/
BRN clay 5,14	soad	So FT		31427
ORY 5,14 C/ay	slones	dense	6	1277.62
· .				
Annular Space		Results of We	ell Yield Testing	
Depth Set at (m/ft) Type of Sealant Used From To (Material and Type)	Volume Placed (m³/ft³)	After test of well yield, water was: Clear and sand free	Draw Down Time Water Leve	Recovery el Time Water Level
C . 31 congeste/ Clushuno		Other, specify	(min) (m/ft)	(min) (m/ft)
(14.27 6. 1/2	<i>yw</i> (If pumping discontinued, give reason:	Static Level	
427712 Ph			1	1
4,277.62 lifter spind		Pump intake set at (m/ft)	2	2
		Pumping rate (Vmin / GPM)	3	3
	Use	Pumping rate (min / GPIVI)	4	4
Rotary (Conventional) Jetting Domestic Mur		Duration of pumping		
□ Rotary (Reverse) □ Driving □ Livestock □ Tes □ Boring □ Digging □ Irrigation □ Coo	t Hole Monitoring	hrs + min Final water level end of pumping (m/ft)	5	5
☐ Air percussion A - A D // ☐ Industrial	mig & Air Collettorsing	inal water level end of pumping (min)	10	10
Other, specify 1121 Other, specify Other		If flowing give rate (Vmin / GPM)	15	15
	Status of Well Water Supply	Recommended pump depth (m/ft)	20	20
Diameter (Galvanized, Fibreglass, Thickness (cm/in) Concrete, Plastic, Steel) (cm/in) From To	Replacement Well	recommended pump depart (ming)	25	25
4,03 pvc 368 0 45	☐ Test Hole ☐ Recharge Well	Recommended pump rate (I/min / GPM)	30	30
	Dewatering Well		40	40
	Observation and/or Monitoring Hole	Well production (I/min / GPM)	50	50
	Alteration (Construction)	Disinfected?		
30068/100039999999999999999999999999999999999	Abandoned, Insufficient Supply	Yes No	60	60
Outside Material Depth (m/ft)	Abandoned, Poor Water Quality	Please provide a map below following	ell Location instructions on the b	pack.
Diameter (cm/in) (Plastic, Galvanized, Steel) Slot No. From To	Abandoned, other, specify			104
9,82 PUC 20 45774	7	Y		
	Other, specify			And Control of the Co
Water Details	Hole Diameter	19		
Water found at Depth Kind of Water: Fresh Untested	Depth (<i>m/ft</i>) Diameter	Commence of the Commence of th	MANAGEMENT AND	té /
(m/ft) □ Gas □ Other, specify From Water found at Depth Kind of Water: □ Fresh □ Untested	n To (cm/in) 7 6 28,25	/am	:	[R]
(m/ft) Gas Other, specify	1,6000123	3 5/4"		K Imaanian jamaan maanian maan
Water found at Depth Kind of Water: Fresh Untested		ALL ACTION OF THE PROPERTY OF	Application in the second seco	Δ
(m/fit) Gas Other, specify		Strandherd	,	\$
Well Contractor and Well Technician Information Business Name of Well Contractor	mation Well Contractor's Licence No.	The second secon	NA PARTICULA PRINCIPA AND AND AND AND AND AND AND AND AND AN	
Straka Mailing 6000	1 2 4 1			· Commonwell
Business Address (Street Number/Name)	Municipality /	Comments:		
Province Postal Code Business E-mail Address	Markham			
Province Postal Code Business E-mail Address	Arakaso Lan	Well owner's Date Package Delivered	d Minis	try Use Only
Bus.Telephone No. (inc. area code) Name of Well Technician (Last Name	ne, First Name)	information package	Audit No. 🔧	2 222012
Well Technician's Licence No. Signature of Technician and/or Contractor		delivered Date Work Completed	11	ニマッツザム
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0506E (2014/11)	Ministry's Copy	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Printer for Ontario, 2014

Well ID Number: 7280109 Well Audit Number: *Z214972* Well Tag Number: *A191170*

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

Well Location

Address of Well Location	680 RIVER RD
Township	GLOUCESTER TOWNSHIP
Lot	_
Concession	_
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 445033.00 Northing: 5013166.00
Municipal Plan and Sublot Number	_
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description		Depth To
BRWN	LOAM		SOFT	0 m	.31 m
BRWN	CLAY	GRVL	SOFT	.31 m	2.13 m
BRWN	CLAY	SAND	SOFT	2.13 m	6.4 m

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

.31 m 3.1 m BENTONITE 3.1 m 6.4 m FILTER SAND

Method of Construction & Well Use

Method of Construction	Well Use
Air Percussion	

Monitoring and Test Hole

Status of Well

Construction Record - Casing

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
5.26 cm	PLASTIC	0 m	3.35 m

Construction Record - Screen

Outside Diameter Material Depth Depth From To 6.03 cm PLASTIC 3.35 m 6.4 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 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

Depth From	Depth To	Diameter
0 m	7.62 m	11.43 cm

Audit Number: Z214972

Date Well Completed: December 12, 2016

Date Well Record Received by MOE: February 02, 2017

Well ID Number: 7280110 Well Audit Number: *Z214971* Well Tag Number: *A191180*

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

Well Location

Address of Well Location	680 RIVER RD
Township	GLOUCESTER TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 445020.00 Northing: 5013199.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description		Depth To
BRWN	LOAM		SOFT	0 m	.31 m
BRWN	CLAY	GRVL	SOFT	.31 m	1.82 m
BRWN	CLAY	SAND	SOFT	1.82 m	7.62 m

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

.31 m 4.27 m BENTONITE 4.21 m 7.62 m FILTER SAND

Method of Construction & Well Use

Method of Construction	Well Use
Air Percussion	

Monitoring and Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside	Open Hole or material	Depth	Depth
Diameter		From	To
5.2 cm	PLASTIC	0 m	4.57 m

Construction Record - Screen

Outside Material Depth Depth Diameter From To 6.03 cm PLASTIC 4.57 m 7.62 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 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	
1			

Water Details

Depth From	Depth To	Diameter
0 m	7.62 m	11.43 cm

Audit Number: Z214971

Date Well Completed: December 12, 2016

Date Well Record Received by MOE: February 02, 2017

Well ID Number: 7280111 Well Audit Number: *Z214976* Well Tag Number: *A191171*

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

Well Location

Address of Well Location	680 RIVER RD
Township	GLOUCESTER TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 445010.00 Northing: 5013179.00
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	.31 m
BRWN	CLAY	GRVL	SOFT	.31 m	1.82 m
BRWN	CLAY	SAND	SOFT	1.82 m	11.89 m
GREY	SILT	SAND	DNSE	11.89 m	14.02 m

Depth	Depth	Type of Sealant Used	Volume
From	То	(Material and Type)	Placed

0 m .31 m FLUSHMOUNT .31 m 10.97 m BENSEAL 10.91 m 14.02 m SAND

Method of Construction & Well Use

Method of Construction Well Use

Monitoring and Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside	Open Hole or material	Depth	Depth	
Diameter		From	To	
4.03 cm	PLASTIC	0 m	10.97 m	

Construction Record - Screen

Outside Material Depth Depth Diameter To 4.82 cm PLASTIC 10.97 m 14.02 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 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

Depth From	Depth To	Diameter
0 m	14.02 m	11.43 cm

Audit Number: Z214976

Date Well Completed: December 14, 2016

Date Well Record Received by MOE: February 02, 2017

Regulation for Control Water Immobility Regulation for Control	Po	ntario		of the Envir		Well Tag	j No. (Place Sticker ar	nd/or Print Below	´	002 0			ecord
Service Research Control Contr	Measurem	ents recorded	din: □M	etric 🔲 l	mperial	AQ	28340		Regulation	303 O			_
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Mail Code Screen Furnamental Code Control Code Code	First Name	,	L		7.		TO 1 TI	E-mail Addr	ess				
Well Local Control Con	Mailing Add	, .	ž.	e)		11 / P &	1unicipality	Province	Postal Code	7	elephone		
Constitution Cons	110		<u>cx) (</u>	<u> </u>	<u>2/ </u>		MACKLOUM	<u> </u>	4 4369	서산	105	940	<u>815014</u>
County Depth Leaf (virt) Water State of Water Parts of Manage (virt) Annual 813 1 1 1 1 1 1 1 1 1	- Avademyééév ketéken		(Street Num	ber/Name)		T	ownship	A :	Lot		Concession	on	
Unit Conditioning Zone Section MO 18 (3) M C Section MO 18 (4) M	691		3 4 400				Netea	<u>. M</u>					
Unit Coordinated Zone Casters Note of Control	County/Dis	urcziviunicipan	ıy					·				Postal	
Construction Record - Server		ar.\	Easting	No mo	•			t Number		Other			
Contract Court Annual Common Material Chert Materials Cher			식(의)) ock Materia	니이이 els/Abando			rd (see instructions on th	e hack of this form)		55 (100 S. (100 S.	Granda antiga		te a contra non a suppr School and
Annular Stace Annula			***************************************				distribution of the contract o	1			68.53.58.53.63.53.56.5	Dep From	th (<i>m/ft</i>)
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Annular Space Origin Sci. ((n/h)	(JEY	ć	CIQY		Ì	5	RNS/SIT		75 Sof	-		6	20
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Depth (mit) Stat (mit) St													
From To Chiefotrate and Type) (x749)	<u>Vissusaups</u>												
Construction Depth (mit)										i			
Foundation of Construction Description	0			Benjar	Me		100 Z65	1 1		السنا	(m/ft)	(min)	(m/ft)
Pump intake set at (mint) 2		20		SANI)			If pumping disco	ntinued, give reason:				
Method of Construction Well Use Commercial Not used Rotary (Conventional) Justing Demond Public Commercial Not used Rotary (Conventional) Justing Demond De		*			•					1		1	
Method of Construction Cable Tool Diamond Public Commercial Not used Rotary (Conventional) Justing Domessic Numbridgeal Development Numbridgeal Development Numbridgeal Development Numbridgeal Development Numbridgeal Diamond Numbridgeal Development Numbridgeal Diamond D				···		***************************************		Pump intake set	at (m/ft)	2		2	
Construction Record - Casing Develop Public Commercial Not used Developing Construction Record - Casing Developing De		hod of Cons	truction		enski kom	Well Us	e	Pumping rate (Vr	nin / GPM)	3		3	
Robery (Northerhold) Search Searc	Cable To	ool	☐ Diamond	1		Comme	rcial Not used	Duration of num	nina	4		4	
Ar persussion Industrial Other specify Difference Other specify Difference Other specify Difference Other specify Difference Other specify Other speci		,	~	1 =				[[, ,	5		5	
Construction Record - Casing Status of Well Indices Copen Hole OR Material Walter Supply Maker Supply Replacement Well Recharge Well Convenient Foreign Convenient Foreign Convenient Foreign Convenient		seion	Digging	1 '		Cooling	& Air Conditioning	Final water level	end of pumping (m/ft)	10		10	
Status of Well				1				If flowing give rai	te (Vmin / GPM)	15		15	
Diameter (contin) Gas Construction Record - Screen Construction R		1								20		20	
Test Hole Recharge Well Dewatering Well	Diameter	(Galvanized,	Fibreglass,	Thickness	-	, ,	1	Recommended	pump depth (m/ft)	25		25	
Dewatering Well Construction Record - Screen Depth (m/n) Abandoned, Post Description and Insufficient Supply Abandoned, Post Depth (m/n) Abandoned, Other, Specify Abandoned, Other, Specify Abandoned, Other, Specify Abandoned, Other, Specify Depth (m/n) Depth				(CITVIN)			I ==		pump rate	30		30	
Well production (Wnin/ GPM) So 50 50	<u> </u>	1107	بآر		$\overline{}$	10	Dewatering Well	(IIIIIII / GPWI)		40			
Construction Cons						-	Monitoring Hole	Well production	(I/min / GPM)				
Construction Record - Screen Outside Diameter (contin) Other (contin) Please provide a map below following instructions on the back. Water Details Water Details Water Details Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Well Contractor and Well Technician Information Business Name of Well Contractor Province Postal Code Business E-mail Address Q C C C C C C C C C C C C C C C C C C	 							II					
Outside Diemeter (Plastic, Gatvanized, Steel) Slot No. Depth (m/ft) Abandoned, other, specify Abandoned, other								Yes N				00	
Diameter (contin) Continuity Continuity			T.	ecord - Scr		h (<i>m/ft</i>)		Please provide	W			the back	С.
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Water found at Depth Kind of Water: Fresh Untested			Water Det	ails		1	lole Diameter	O					
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Well Contractor and Well Technician Information Business Name of Well Contractor Well Contractor Well Contractor's Licence No. For a contractor and Well Technician Information Business Address (Street Number/Name) Municipality Comments: Well owner's information Bus. Telephone No. (inc. area code) Name of Well Technician (Last Name, First Name) Well owner's information package delivered						/2	2 (10						
Well Contractor and Well Technician Information Business Name of Well Contractor Well Contractor's Licence No. FOCASE GRANDIE Province Postal Code Business E-mail Address Province Postal Code Business E-mail Address Q C TO U TO TOUCH AND THE Province Information Bus. Telephone No. (inc. area code) Name of Well Technician (Last Name, First Name) Well owner's information package delivered with the package Delivered information package delivered Well owner's Date Package Delivered information package delivered Well owner's Date Package Delivered Date Work Completed Well owner's Date Work Completed Well owner's Date Work Completed JUL 19 2017	(n	n/ft) Gas [Other, spe	cify					γ_{\otimes}	SI	1		
Well Contractor and Well Technician Information Business Name of Well Contractor Well Contractor's Licence No. Province Postal Code Business E-mail Address Q		-			Untested	1			8				
Business Name of Well Contractor Comments: Commen	(6				Technicia	in Informat	ion						
Province Postal Code Business E-mail Address Q		lame of Well C	Contractor					L					
Province Postal Code Business E-mail Address Q	Business A	<u>Ose</u> Oct ddress (Street	Number/Na	<u> </u>	<u> </u>	Mu	<u>/ </u>	Comments:					·····
Well owner's information package delivered Well owner's information package delivered Well Technician (Last Name, First Name) Well Technician's Licence No. Signature of Technician and/or Coptractor Date Submitted Well owner's information package delivered Date Package Delivered V V V V M M D D Date Work Completed JUL 19 2013	1 L1					17							
Bus. Telephone No. (inc. area code) Name of Well Technician (Last Name, First Name) S 1 9 2 4 2 8 6 9 7 10 10 10 10 10 10 10						dress		10/-25					
Well Technician's Licence No. Signature of Technician and/or Coptractor Date Submitted Well Technician's Licence No. Signature of Technician and/or Coptractor Date Submitted JUL 19 2013				me of Well	CCC/d	<u>(√) (62) (6</u> (Last Name	Yハバミ・C() First Name)	information		. 11	Mini Audit No	stry Use	
Well Technician's Licence No. Signature of Technician and/or Contractor Date Submitted	181110	1 1412 1816	0150	7410	/ Ba	conde	4X	delivered		0 0			detects L Mr date
O T T L L L L L L L L	Well Technic	cian's Licence N	o. Signature	of Technicia	n and/or C	optractor Da	ite Submitted	∐ Yes	,	301 L		UL 1	9 2017
0506E (2014/11)	0506E (2014		<u> </u>		A September 1	<u> </u>			Talik Mak			's Printer fo	r Ontario, 2014

D-Ontario	Ontario and Climate Change Well Tag No. (Place Sticker and/or Print Below) Well Record Regulation 903 Ontario Water Resources Act								
Measurements reco	rded in: Metric [] Imperial	<u>A2</u>	28338			Pag		of
Well Owner's Inf		/ Organization							
First Name	ton		NOPEC	tion LTD	E-mail Addres	SS	·	☐ Well Co by Well	onstructed I Owner
Mailing Address (Stre	et Number/Name)	SCEAT	M	unicipality MACKhaM	Province	Postal Code		9 No. (inc. a	
Well Location	urad Cres)C6/11		I M KRUT		<u> </u>	<u>XLJTIVIZI</u>	<u> </u>)
. ^>	ion (Street Number/Name	∍)	То	wnship		Lot	Concessi	on	
County/District/Munic		 	Ci	ty/Town/Village	Λ.		Province	Postal (
UTM Coordinates Zo	ne .Easting .	Northing		O 1 7の. W / unicipal Plan and Sublo			Ontario Other		1216 P
NAD 8 3	8 4141 431311		1517	,			****		
Overburden and B General Colour	edrock Materials/Aban Most Common Mater			d (see instructions on the er Materials		eneral Description		_ Depti	n (<i>m/ft</i>) To
Low	Gravel Am				la constant	e142		From 1	Q'
Gey	Clay	^			5.	aft.		S	20'
	~-~						2.1.		
	 								<u></u>
		lar Space			(0.01.00) (0.01.00)		ell Yield Testin		
Depth Set at (m/ft) From To		Sealant Used ' and Type)		Volume Placed (m³/ft³)	After test of well yi		Draw Down Time Water Le		covery Vater Level
0 10	Benzo	nite		10045	Other, specif	fytinued, give reason:	(min) (m/ft) Static	(min)	(m/ft)
16 20	SAN	<u>d</u>		100 45	ii pumping discon	unueo, give reason.	Level 1	1	
				, in the second	Pump intake set a	et <i>(m/fit)</i>	2	2	
1000					Pumping rate (I/mi	in (CD\$4)	3	3	
Method of C ☐ Cable Tool	and the second s	Public	Well Use		, - ,	•	4	4	
Rotary (Conventional Rotary (Reverse)	al)	Domestic [Municipal Test Hole	☐ Dewatering	Duration of pumpi hrs +	ng min	5	5	
Boring Air percussion	Digging	Irrigation	_	Air Conditioning	Final water level e	md of pumping <i>(m/ft)</i>	10	10	
Other, specify		Industrial Other, specify			If flowing give rate	(l/min / GPIM)	15	15	
	onstruction Record - C	asing Depth	(m/fi)	Status of Well	Recommended pr	ump donth (m#)	20	20	
Diameter (Galvani	zed, Fibreglass, Thicknese, Plastic, Šteel) (cm/in)	\$	То	Replacement Well	Newminerided pa	omp depar (<i>nini)</i>	25	25	
2" P10	49716	0	10"	Test Hole Recharge Well	Recommended po (I/min / GPM)	ump rate	30	30	
				☐ Dewatering Well ☐ Observation and/or	Well production (I/	min / GPM)	40	40	
				Monitoring Hole Alteration (Construction)	Disinfected?		50	50	
				(Construction) Abandoned, Insufficient Supply	Yes No		60	60	
Outside	onstruction Record - S	Creen Depth	(m/ft)	Abandoned, Poor Water Quality	Please provide a	Map of W	ell Location	n the back.	
	Material Salvanized, Steel) Slot No	From	To	Abandoned, other, specify	for 1		Ů		
24 P/c	6712	10'	26'		2º5 m			And the second second	
				Other, specify	00 m	,			
Water found at Depth	Water Details Kind of Water: Fres	h IIIntested		ole Diameter n (m/ft) Diameter		401			
(m/ft) Ga	s Other, specify		From	To (cm/in)			1 x		1
Water found at Depth (m/ft) ☐ Ga	No Kind of Water: ☐ Fres S☐ Other, specify	h Untested	- Lund	30 378	The state of the s				0827
Water found at Depth Kind of Water: Fresh Untested					()	19 00 /	gardin.	r Gr	
	s Other, <i>specify</i> Well Contractor and W	ell Technician	Informati	on .					U"
Business Name of W	Well Contractor and Well Technician Information Business Name of Well Contractor Well Contractor's Licence No.								
Business Address (S	<u>Geourice</u> treet Number/Name)	CHIAO		nicipality	Comments:	MHHV.	<u> </u>		
Province	CCN Postal Code Busin	ess E-mail Addı	<u> </u>	rencille	-				
Qc	7/ 0/21/11/01	, parcard	(CXO	GENUMIC.CO	1	ate Package Deliver		nistry Use	
	c. area code) Name of We	eii technician (L	ast Name, I	First Name)	information package delivered		Audit No	-226.	1469
Well Technician's Licen	ce No. Signature of Techn	2 to	ntractor Dat	///	Yes Da	ate Work Completed	1000	L 19	2017
3 9 9 0506E (2014/11)	1 Jefa f	113	- 12	<u>0 4 7 0 4 4 4 4 4 4 4 4 4</u>	□ No 🦸	0/1/0/1	F) & Wederved	n's Printer for	
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Pontario	Ministry of the and Climate	he Environment	Well Ta	g No. (Place Sticker ar	nd/or Print Below)		F	Well R	ecord
Measurements record			IAS	12833	7	Regulation	903 Ontario Pa		ources Act
Well Owner's Info									
First Name	عيمانيس.	Vame / Organizatio	on —	> 1/ / 7	E-mail Address				onstructed
Mailing Address (Street	Number/Name)	<u> </u>	107K	ection L7D Municipality	Province	Postal Code	Telepho	ne No. (inc. a	I Owner
	ITON CI	<u>rseat</u>		MARKHAM	<u> </u>	<u> </u>		PIPIPI	
Well Location Address of Well Location	n (Street Number/	Name)		Township		Lot	Conces	sion	
671 Rive	47.5	·		NCPE/ City/Town/Village	71				
County/District/Municip	ality			City/Town/Village ろかり〜/	△		Province Ontario	Postal (í
UTM Coordinates Zone	_	Northing		Municipal Plan and Sublo			Other	[Max] /] \	1 40 0
NAD 8 3 1 Overburden and Bec	한 학교의 등 대한 Brock Materials/A	<u>4) 5 0 1 3</u> Abandonment S		ord (see instructions on the	hack of this form	55 W \$5 13 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Arter constitute entragency	
General Colour	Most Common I		***************************************	her Materials	I The state of the	neral Description		Depti From	h (<i>m/ft</i>) To
BEUN	Sprd 19	17			E of the second	711		0	8
Grey	Clay				C	iay		8	20
	/		va	.,,	-	*			
		nnular Space			A STATE OF THE STA	Results of W	alloVialid Frank		
Depth Set at (m/ft)	Тур	e of Sealant Used		Volume Placed	After test of well yield	d, water was:	Draw Dow	n Re	covery
From To	natura.	terial and Type)	,	(m³/ft³)	☐ Clear and sand ☐ Other, specify	l free	Time Water L (min) (m/t		Vater Level (m/ft)
- 10	Der	BALTE		FOO 465	If pumping discontinu	ued, give reason:	Static Level		
<u>/o·</u>		MIO D		100 265	mann or some of		1	1	
					Pump intake set at (r	π/ft)	2	2	
D.S. Z.L. D. C.O.					Pumping rate (Vmin /	GPM)	3	3	
Method of Cor ☐ Cable Tool	Diamond	☐ Public	Well Us ☐ Comme				4	4	
Rotary (Conventional) Rotary (Reverse)	☐ Jetting ☐ Driving	☐ Domestic ☐ Livestock	☐ Municip ☐ Test Ho	al Dewatering	Duration of pumping hrs +	min	5	5	
Boring	☐ Digging	☐ Imigation	_	& Air Conditioning	Final water level end	of pumping (m/ft)	10	10	
☐ Air percussion ☐ Other, <i>specify</i>		☐ Industrial ☐ Other, specify			If flowing give rate (1/r	min / GPM)	15	15	
	struction Recor			Status of Well			20	20	
Diameter (Galvanizer	d, Fibreglass, Thi	ckness	th (<i>m/ft)</i> To	☐ Water Supply ☐ Replacement Well	Recommended pum	p depth (m/ft)	25	25	
91 0		om/in) From		_ ☐ Test Hole ☐ Recharge Well	Recommended pum	p rate	30	30	
2 (10)	5716		10	Dewatering Well			40	40	
				Observation and/or Monitoring Hole	Well production (I/mir	n/GPM)	50	50	
				Alteration (Construction)	Disinfected?		60	60	
Cor	nstruction Recor	d - Screen		Abandoned, Insufficient Supply	Yes No	Man of W	ell Location		e etertiske sampe a ett
Outside Ma	iterial 5	<u> </u>	th (<i>m/ft)</i>	Abandoned, Poor Water Quality	Please provide a m			on the back.	<u> </u>
(cm/in) (Plastic, Gall	vanized, Steel)	From	То	Abandoned, other, specify	4				
211 Pla	5718	10'	20	Other, specify	w _o	The last of the la			
Water found at Depth	Water Details Kind of Water:	Fresh □ Unteste	d Den	Hole Diameter th (m/ft) Diameter		. /			
	Other, specify	7.00	From	To (cm/in)	1000			The state of the s	
Water found at Depth (m/ft) Gas		Fresh Unteste		20 35/8			/	()	
Water found at Depth	Other, specify Kind of Water:	Fresh Unteste	<u>.</u>		K / 8		/		
	Other, specify		-				/	Lancare	CHICAGO INCOMENTA
Well Contractor and Well Technician Information Business Name of Well Contractor Well Contractor's Licence No.								. '	7
togge	<u>Garyla</u>	2 Dolling	<u>~ .</u>	7151719			-		<u>.</u>
Business Address (Street Number/Name) HOULEN Municipality Grentile Comments:									
Province Po	Province Postal Code Business E-mail Address								
Well owner's Date Package Delivered information (Last Name, First Name) Well owner's Date Package Delivered information (Last Name, First Name) Audit No. 72 6 1 7 7 1					Only				
18 17 242 9 59 7 / RC Baccardox					.4/U				
Well Technician's Licence	No. Signature of T		Contractor Da	te Submitted	l Lies	. 1		UL 19	2017
0506E (2014/11)	/ ///	fr Commenter	▽	Ministry's Copy	<u> </u>	1 10 21	CO Receive © Que	en's Printer for (Ontario, 2014

Well ID Number: 7313065 Well Audit Number: *Z281929*

Well Tag Number:

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

Well Location

Address of Well Location	680 RIVER RD.
Township	GLOUCESTER TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	BARRHAVEN
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 445034.00 Northing: 5013207.00
Municipal Plan and Sublot Number	
Other	_

Overburden and Bedrock Materials Interval

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

Depth	Depth	Type of Sealant Used (Material and Type)	Volume
From	To		Placed
		GROUT	

Method of Construction & Well Use

Method of Construction	Well Use
	Monitoring
	Test Hole

Status of Well

Abandoned-Other

Construction Record - Casing

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

Construction Record - Screen

Outside Material Depth Depth From To
4.82 cm PLASTIC

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

After test of well vield, 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 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

Depth From	Depth To	Diameter

1.86 m 5.7 cm

Audit Number: Z281929

0 m

Date Well Completed: March 19, 2018

Date Well Record Received by MOE: June 19, 2018

Well ID Number: 7313066 Well Audit Number: Z277407 Well Tag Number: A190859

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

Well Location

680 RIVER RD.
GLOUCESTER TOWNSHIP
OTTAWA-CARLETON
OTTAWA
ON
n/a
NAD83 — Zone 18 Easting: 445053.00 Northing: 5012948.00

Overburden and Bedrock Materials Interval

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

Depth	Depth	Type of Sealant Used	Volume
From	То	(Material and Type)	Placed

Method of Construction & Well Use

Method of Construction	Well Use
	Monitoring
	Test Hole

Status of Well

Abandoned-Other

Construction Record - Casing

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

Construction Record - Screen

Outside Material Depth Depth Diameter From To 4.82 cm

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

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 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

Depth From	Depth To	Diameter

2.3 m 15.24 cm

Audit Number: Z277407

0 m

Date Well Completed: March 28, 2018

Date Well Record Received by MOE: June 19, 2018

Well ID Number: 7313162 Well Audit Number: *Z281928*

Well Tag Number:

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

Well Location

Concession County/District/Municipality City/Town/Village Province Postal Code UTM Coordinates OTTAWA-CARLETON BARRHAVEN ON n/a NAD83 — Zone 18 Easting: 445014.00 Northing: 5013181.00	Address of Well Location	680 RIVER RD.
Concession County/District/Municipality OTTAWA-CARLETON BARRHAVEN ON Province ON n/a NAD83 — Zone 18 Easting: 445014.00 Northing: 5013181.00	Township	GLOUCESTER TOWNSHIP
County/District/Municipality City/Town/Village Province ON Postal Code UTM Coordinates DAMAD83 — Zone 18 Easting: 445014.00 Northing: 5013181.00	Lot	
City/Town/Village Province ON Postal Code UTM Coordinates Municipal Plan and Sublot Number BARRHAVEN ON n/a NAD83 — Zone 18 Easting: 445014.00 Northing: 5013181.00	Concession	
Province ON n/a NAD83 — Zone 18 Easting: 445014.00 Northing: 5013181.00	County/District/Municipality	OTTAWA-CARLETON
Postal Code n/a NAD83 — Zone 18 Easting: 445014.00 Northing: 5013181.00 Municipal Plan and Sublot Number	City/Town/Village	BARRHAVEN
UTM Coordinates NAD83 — Zone 18 Easting: 445014.00 Northing: 5013181.00	Province	ON
UTM Coordinates Easting: 445014.00 Northing: 5013181.00	Postal Code	n/a
·	UTM Coordinates	Easting: 445014.00
Other	Municipal Plan and Sublot Number	_
	Other	

Overburden and Bedrock Materials Interval

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

Depth	Depth	Type of Sealant Used (Material and Type)	Volume
From	To		Placed
		GROUT	

Method of Construction & Well Use

Method of Construction	Well Use
	Monitoring
	Test Hole

Status of Well

Abandoned-Other

Construction Record - Casing

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

Construction Record - Screen

Outside Material Depth Depth From To
4.82 cm PLASTIC

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

After test of well vield, 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 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

Depth From	Depth To	Diameter

1.86 m 5.7 cm

Audit Number: Z281928

0 m

Date Well Completed: March 19, 2018

Date Well Record Received by MOE: June 19, 2018

Well ID Number: 7313163 Well Audit Number: *Z281927*

Well Tag Number:

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

Well Location

Address of Well Location	680 RIVER RD.
Township	GLOUCESTER TOWNSHIP
Lot	_
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	BARRHAVEN
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 445016.00 Northing: 5013218.00
Municipal Plan and Sublot Number	_
Other	_

Overburden and Bedrock Materials Interval

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

Depth	Depth	Type of Sealant Used (Material and Type)	Volume
From	To		Placed
0 m	14 32 m	GROUT	

Method of Construction & Well Use

Method of Construction	Well Use
	Monitoring
	Test Hole

Status of Well

Abandoned-Other

Construction Record - Casing

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

Construction Record - Screen

Outside Material Depth Depth From To
4.82 cm PLASTIC

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

After test of well vield, 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 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

Depth From	Depth To	Diameter

Audit Number: Z281927

Date Well Completed: March 19, 2018

Date Well Record Received by MOE: June 19, 2018

Well ID Number: 7328237 Well Audit Number: Z252125 Well Tag Number: A191643

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

Well Location

Address of Well Location	752 RIVER ROAD
Township	GLOUCESTER TOWNSHIP
Lot	022
Concession	RF 01
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	MANOTICK
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 444889.00 Northing: 5011902.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

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

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
		GROUT	
		BENTONITE HOLEPLU	G

Method of Construction & Well Use

Method of Construction	Well Use
	Monitoring
	Not Used

Status of Well

Construction Record - Casing

Construction Record - Screen

Outside Depth Depth Diameter Material From To

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 4875

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 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

Depth From	Depth To	Diameter

Audit Number: Z252125

Date Well Completed: January 08, 2019

Date Well Record Received by MOE: February 13, 2019

APPENDIX 3

QUALIFICATIONS OF ASSESSORS

Mark St Pierre, B. Eng.

patersongroup

Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

Materials Testing

Building Science

Archaeological Services

POSITION

Intermediate Environmental Engineer

EDUCATION

Carleton University, B.Eng., 2015 Environmental Engineering

EXPERIENCE

2018 – Present
 Paterson Group Inc.
 Consulting Engineers
 Geotechnical and Environmental Division
 Intermediate Environmental Engineer

2013 – 2018
InAIR Environmental Limited
Environmental Consulting Firm
Environmental Consultant and Project Manager

SELECT LIST OF PROJECTS

Designated Substance Surveys – Residential and Commercial Sites – Ottawa Asbestos Air Testing – Residential and Commercial Sites – Ottawa Mould Testing – Residential and Commercial Sites Locations Phase I Environmental Site Assessments – Residential and Commercial Sites – Ottawa (CSA Z768-01 & MECP)
Contaminated Soil and Groundwater Sampling – Various Sites – Ottawa Remediation Programs – Various Sites - Ottawa

Mark S. D'Arcy, P. Eng.



Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

Materials Testing

Building Science

Archaeological Services

POSITION

Associate and Supervisor of the Environmental Division Senior Environmental/Geotechnical Engineer

EDUCATION

Queen's University, B.A.Sc.Eng, 1991 Geotechnical / Geological Engineering

MEMBERSHIPS

Ottawa Geotechnical Group Professional Engineers of Ontario

EXPERIENCE

1991 to Present

Paterson Group Inc.

Associate and Senior Environmental/Geotechnical Engineer Environmental and Geotechnical Division Supervisor of the Environmental Division

SELECT LIST OF PROJECTS

Mary River Exploration Mine Site - Northern Baffin Island

Agricultural Supply Facilities - Eastern Ontario

Laboratory Facility – Edmonton (Alberta)

Ottawa International Airport - Contaminant Migration Study - Ottawa

Richmond Road Reconstruction - Ottawa

Billings Hurdman Interconnect - Ottawa

Bank Street Reconstruction - Ottawa

Environmental Review - Various Laboratories across Canada - CFIA

Dwyer Hill Training Centre - Ottawa

Nortel Networks Environmental Monitoring - Carling Campus - Ottawa

Remediation Program - Block D Lands - Kingston

Investigation of former landfill sites - City of Ottawa

Record of Site Condition for Railway Lands - North Bay

Commercial Properties - Guelph and Brampton

Brownfields Remediation - Alcan Site - Kingston

Montreal Road Reconstruction - Ottawa

Appleford Street Residential Development - Ottawa

Remediation Program - Ottawa Train Yards

Remediation Program - Bayshore and Heron Gate

Gladstone Avenue Reconstruction – Ottawa

Somerset Avenue West Reconstruction - Ottawa