

Phase I Environmental Site Assessment

Vacant Land, 3700 Twin Falls Place Ottawa, Ontario

Prepared for Riverside South Development Corporation

Report: PE5840-1 September 12, 2022



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EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by Riverside South Development Corporation to conduct a Phase I Environmental Site Assessment (ESA) of a parcel of land located addressed 3700 Twin Falls Place in Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the site.

The Phase I property was historically used for agricultural purposes and has never been developed. No PCAs were identified on-site during this assessment.

The surrounding land use has historically been agricultural with occasional farmsteads, and some newly constructed residential and institutional developments within the study area. Two PCAs were identified associated with the historical land use of neighbouring properties. Based on the information reviewed, the distance from the subject property, the age, and down-gradient orientation with respect to the subject site, the PCAs were not considered to have resulted in APECs on the subject site.

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



1.0 INTRODUCTION

At the request of Urbandale Corporation, Paterson Group (Paterson) conducted a Phase I Environmental Site Assessment (Phase I ESA) of a parcel of land address 3700 Twin Falls Place in Ottawa, Ontario (herein referred to as the Phase I property). The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the Phase I property.

This report has been prepared specifically and solely for the above-noted project, which is described herein. It contains all our pertinent findings and results regarding 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, under the Environmental Protection Act and CSA Z768-01 (reaffirmed 2022). The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I ESA are based on a review of readily available geological, historical, and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as local, provincial, and federal agencies, and was limited within the scope-of-work, time, and budget of the project herein.

2.0 PHASE I PROPERTY INFORMATION

Address:	3700 Twin Falls Place, Ottawa
Legal Description:	Part of Lots 16, 17, and 18, Concession 1, Rideau Front Gloucester. Being parts 1 to 11 on plan 4R-8033.
Location:	The site is located on the west side of Limebank Road, approximately 250 meters south of Leitrim Road and north of Spratt Road in the City of Ottawa. Refer to Figure 1 - Key Plan in the Figures section following the text.
Latitude and Longitude:	45° 17' 34" N, 75° 40' 51" W



Site Description:

Configuration:	Irregular
Area:	43.0 ha (approximately)
Zoning:	DR - Development Reserve Zone
Current Use:	Undeveloped (agricultural)
Services:	The site is not currently serviced but is located in an area being municipally serviced.

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 Phase I ESA Property and study area by conducting site reconnaissance;
- Conduct interviews with persons knowledgeable of current and historic operations on the Phase I ESA Property, and if warranted, neighbouring properties;
- Present the results of our findings in a comprehensive report in general accordance with the requirements O.Reg. 153/04 as amended under the Environmental Protection Act and CSA Z768-01 (reaffirmed 2022);
- Provide a preliminary environmental site evaluation based on our findings;
- □ Provide preliminary remediation recommendations and further investigative work if contamination is suspected or encountered.



4.0 RECORDS REVIEW

4.1 General

Phase I-ESA Study Area Determination

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

First Developed Use Determination

Based on the available sources, the Phase I property has never been developed. It has historically been used for agricultural purposes.

Fire Insurance Plans

Fire insurance plans (FIPs) are not available for the site and surrounding area.

City of Ottawa Street Directories

City directories are not available for the site and surrounding area.

Chain of Title

Paterson did not request a Chain of Title for the site as it was determined that sufficient information was gathered from other sources, and a title search would not contribute to obtaining information about the environmental condition of the Phase I property.

Plan of Survey

Annis O'Sullivan Vollebekk Ltd. was retained to provide a current plan of survey. A copy of the document was provided to Paterson for the completion of this assessment.



4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically by Paterson in August 2022 and as part of the Environmental Risk Information System (ERIS) search. The Phase I property was not listed in the NPRI database, nor were records of pollutant releases listed in the database for properties within the Phase I study area. Please refer to the ERIS report provided in Appendix 2.

PCB Inventory

A search of provincial PCB waste storage sites was conducted. No PCB waste storage sites were identified on-site or within a 250 m radius of the Phase I property.

Areas of Natural Significance

A search for areas of natural significance and features within the Phase I study area was conducted electronically via the Ministry of Natural Resources and Forestry (MNRF) website. No areas of natural significance were identified on-site or within the Phase I study area.

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 subject property. The response identified no records with respect to the subject property. A copy of the correspondence is attached in the appendices of this report.

MECP Submission

A request was submitted to the MECP Freedom of Information office for information with respect to reports related to environmental conditions for the property. The response identified no records with respect to the subject property. A copy of the correspondence is attached in the appendices of this report.

MECP Waste Management Records

A request was submitted to the MECP FOI office for information with respect to waste managements records for the subject property. The response identified no



records with respect to the subject property. A copy of the correspondence is attached in the appendices of this report.

MECP Incident Reports

A request was submitted to the MECP FOI office for information with respect to records concerning environmental incidents, orders, offenses, spills, discharges of contaminants, or inspections maintained by the MECP for the subject or neighbouring properties. The response identified no records with respect to the subject property. A copy of the correspondence is attached in the appendices of this report.

MECP Brownfields Environmental Site Registry (ESR)

A search of the MECP Brownfields environmental site registry was conducted electronically in August 2022. No records of site condition (RSCs) were listed in the database for the Phase I property or properties within the Phase I study area.

MECP Waste Disposal Site Inventory

The Ontario Ministry of Environment document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of the historical research. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants and coal tar distillation plants in the Province of Ontario. No relevant records were identified within the Phase I study area.

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.

Technical Standards and Safety Authority (TSSA)

The TSSA, Fuels Safety Branch in Toronto, was contacted on August 23, 2022, to inquire about current and former underground/aboveground storage tanks, spills, and incidents for the Phase I property and the immediately adjacent properties. According to the TSSA response, the Phase I property and properties within the Phase I study area do not have records of fuel storage tanks. A copy of the correspondence can be found in Appendix 2. According to the ERIS report, dated dated August 25, 2022, there are no records for properties in the Phase I study area with the exception of one historic incident (HINC) which was identified in the



MECP Incident Reports section above. A copy of the ERIS report is provided in Appendix 2.

City of Ottawa Landfill Document

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

City of Ottawa Historical Land Use Inventory (HLUI)

A request for information from the City's Historical Land Use Inventory (HLUI) database for the Phase I property has been submitted to The City of Ottawa. A response from The City has not yet been received. A copy of the response will be forwarded to the client, should it contain any pertinent information.

Environmental Risk Information Services (ERIS) Report

As referenced previously, Paterson obtained a standard ERIS database report, dated August 25, 2022, for the Phase I property. The ERIS report provides environmental information for the requested property and neighbouring properties within the 250 m study area. ERIS provides information from federal and provincial databases, as well as private databases.

A total of fifty-nine (59) records from various databases were identified in the ERIS search within the 250 m search radius, which included Boreholes, Certificates of Approvals (CA), Environmental Registry (EBR), Abandoned Mine Information System (AMIS), Environmental Compliance Approvals (ECAs), ERIS Historical Searches (EHS), Fuel Storage Tank – Historic records, Non-Compliance Reports (NCPL), Ontario Regulation 347 Waste Generators, TSSA Historic Incidents (HINC), Permits to Take Water (PTTW), National PCB Inventory, Mineral Occurrences, Pipeline Incidents (PINC), Ontario Spills, and Water Well Information Systems (WWIS).

The ECAs pertain to air and municipal and private sewage works approvals. The PINC/HINC refers to an incident report describing a natural gas pipeline which was struck and not punctured. The WWIS records do not indicate any environmental concern to the subject site.

The AMIS and Mineral Occurrence reports refer to an abandoned mine located east of the subject site and now occupied by a high school. Limited information was available on the abandoned mine however, historical research indicates it operated as a shale quarry and was decommissioned prior to the earliest available aerial images. Based on the age, separation distance from the subject site, and



the primary commodity being shale stone, this PCA is not considered to have resulted in an APEC on the subject site. A copy of a record of the site is attached in the appendices of this report.

The ERIS report identified eight (8) waste generator sites within the Phase I study area. The sites are located in the plaza southwest of the intersection of Spratt Road and Limebank Road. The waste classes identified were solid non-hazardous, pathological, and petroleum based. The petroleum-based waste is generated by a commercial auto-body shop which signifies a potentially contaminating activity (PCA) within the Phase I study area. However, based on the separation distance of approximately 214 m, and the down-gradient orientation with respect to the subject site, it is not considered to result in an area of potential environmental concern (APEC) on the Phase I property. The waste generators identified in the ERIS report are not considered to pose an environmental concern to the subject site.

Previous Engineering Reports

It is our understanding that there are no previous environmental engineering reports related to the Phase I property.

4.3 Physical Setting Sources

Aerial Photographs

Historical air photos from the City of Ottawa's geoOttawa website were reviewed in approximate ten-year intervals beginning with the earliest available imagery. Based on the review, the following observations have been made:

- 1965 The Phase I property appears to be agricultural land (i.e., undeveloped). Surrounding properties are primarily agricultural with a few neighbouring farmsteads. Due to limited aerial imagery, the western half of the site is not visible.
- 1976 A residence has been built at civic address 4260 Limebank Road. This property is approximately 0.30 ha and bordered on all sides by the subject site. No significant changes are apparent on the subject site.
- 1991 No significant changes are apparent on-site or within the study area.
- A small structure (outbuilding) is present on the southeast corner of the unaddressed parcel of land, on the west side of Limebank Road.



To the southwest of the site, a residential development project has begun. No other significant changes are apparent on-site or within the study area.

- 2011 The residence on the property at 4260 Limebank Road has been demolished. The outbuilding structure on the unaddressed property has also been removed. No apparent changes were made on the subject site. The farmsteads east of Limebank Road have been demolished. A high school is present on Spratt Road, east of Limebank Road. Limebank Road has been widened and some land clearing has occurred immediately south of the site. The residential development to the southwest has been completed.
- 2021 No significant changes are apparent on-site or within the study area.

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

Physiographic Maps

A Physiographic Map was reviewed from the Natural Resources Canada - The Atlas of Canada website. According to this physiographic map, the site is located in the St. Lawrence Lowlands. According to the mapping description provided, "The lowlands are plain-like areas that were all affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets." The site is in the Central St. Lawrence Lowland, "where the land is rarely more than 150 m above sea level, except for the Monteregian Hills, which consist of intrusive igneous rocks".

Topographic Maps

Topographic maps were obtained from Natural Resources Canada – The Atlas of Canada. The topographic maps indicate that the Phase I study area generally slopes towards Mosquito Creek which undulates along the southern border of the subject site. Regional topography generally slopes to the west, towards the Rideau River. An illustration of the referenced topographic map is present in Figure 2 - Topographic Map.

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 the information from NRCAN, bedrock in the area of the site consists of interbedded sandstone and dolomite of the March Formation. Based on the maps, the thickness of



overburden is anticipated to be 15 to 25 m and consists of offshore marine sediments made up of marine deposits clay and silt.

Water Well Records

The MECP well records webpage indicated nineteen (19) well records within the Phase I study area. No domestic well records were found within the boundaries of the subject site. The well records indicate they were generally installed for domestic use, with the exception of two (2) decommissioning records for existing potable wells. Well records were also identified by the ERIS report which is provided in Appendix 2. Copies of the MECP records have also been included in Appendix 2.

Water Bodies

A small tributary of the Rideau River named Mosquito Creek runs along the southern edge of the Phase I property. The creek enters the property in the southeast corner of the site and exits in the northwest corner. The next nearest significant body of water is the Rideau River, approximately 500 m west of the subject site.

5.0 INTERVIEWS

No persons familiar with the Phase I property were available for interviews during this assessment.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

The site visit was conducted on August 23, 2022. Weather conditions at the time were clear, with a temperature of approximately 28°C. Personnel from the Paterson's Environmental Department conducted the site visit. In addition to the site, the uses of neighbouring properties within the Phase I study area were also assessed during the site visit.

6.2 Specific Observations at the Phase I Property

Buildings and Structures

There are currently no buildings on the subject site. Three transmission towers connected by high voltage transmissions lines connect across the site, starting



from the southeast corner and exiting through the northern property boundary. Municipal distribution lines run along the eastern property boundary.

Site Features

The Phase I property is generally agricultural land that is covered by long grasses, low-lying vegetation, and small trees. A fence runs along the property boundary adjacent to Limebank Road. A tree line bordering the tributary from the Rideau River defines the west and south border of the property.

The site topography is generally flat and at the grade of the adjacent properties and streets, though the elevation does decline towards Mosquito Creek along the south/west edge of the subject site. The regional topography slopes to the south and west, toward the Rideau River. Site drainage consists of infiltration.

No environmental concerns were observed on the Phase I property at the time of the site visit.

Subsurface Services and Utilities

Storm water and sanitary lines run along Limebank Road, but the Phase I property does not have municipal services. Well records indicate that a domestic well was placed approximately 25 m from the northern property boundary of the site.

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 site is as follows:

- □ North: Agricultural land, followed by Leitrim Road;
- □ South: Mosquito Creek followed by a residential subdivision and a retail shopping plaza;
- East: Limebank Road followed by agricultural and/or vacant land and institutional land use (mosque and school); and
- □ West: Partially treed undeveloped land followed by River Road.

Land use within the Phase I study area (250 m radius) is primarily used for agricultural purposes with some institutional, residential, and commercial land uses. One existing PCA was identified during the site visit. A commercial autobody shop addressed 4452 Limebank Road was identified in the plaza south of the subject site. Surrounding land use is shown on Drawing PE5840-2 – Surrounding Land Use Plan.



7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

Potentially Contaminating Activities (PCAs) and Areas of Potential Environmental Concern (APECs)

The Phase I property has never been developed. No PCAs or APECs were identified on-site. Properties in the study area have generally been used for agricultural, residential, and/or institutional purposes. Surrounding land use is shown on Drawing PE5840-2 Surrounding Land Use Plan.

Two off-site PCAs were identified during the historical review of the neighbouring properties. The first PCA is a decommissioned shale quarry formerly located at the northeast corner of Spratt Road and Limebank Road, and the second is an active commercial autobody shop in the plaza south of the subject site. The PCAs identified were not considered to have significant potential to impact the subject site and therefore did not result in APECs. The following table identifies the PCAs.

Table 1 Potentially Contaminating Activities (PCAs)								
PCA	Location of PCA	APEC (Y/N)						
Commercial Autobody Shop - Table 2 #10	South of subject site (214 m)	Ν						
Mining, Smelting and Refining; Ore Processing; Tailing Storage - Table 2 #35	East of subject site (216 m)	Ν						

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

Based on the information from NRCAN, bedrock in the area of the site consists of interbedded sandstone and dolomite of the March Formation. Based on the maps, the thickness of overburden is anticipated to be 15 to 25 m and consists of offshore marine sediments.

Areas of Natural Significance

There are no areas of natural significance on-site or within the Phase I study area.



Water Bodies

The Phase I property has a small tributary from the Rideau River named Mosquito Creek running through it. The creek enters the site in the southeast and generally follows the southern property boundary before exiting on the northwest of the site. The nearest significant body of water is the Rideau River, located approximately 500 m west of the Phase I property.

Drinking Water Wells

Generally, developed properties in the area are provided potable water by the municipality, however, it is possible that some properties to the north and northwest are still serviced by private wells. No domestic wells exist on the subject property. Copies of the well records are attached in the appendices of this report.

Existing Buildings and Structures

The Phase I property is undeveloped. High voltage power lines run through the site beginning from the southeast corner and exiting through the northern property boundary.

Subsurface Structures and Utilities

Storm water and sanitary lines run along Limebank Road, but the Phase I property does not have municipal services or any other apparent services. Well records indicate that a domestic well was placed approximately 25 m from the northern property boundary of the site in 2003.

Neighbouring Land Use

The current surrounding land use in the Phase I study area is generally vacant/undeveloped or agricultural, with some residential, commercial, and institutional land use. Land use is shown on Drawing PE5759-2 Surrounding Land Use Plan.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

No PCAs or APECs were identified on the Phase I site. Two PCAs were identified within the Phase-I study area. Based on the separation distance between the identified PCAs and the subject site, they are not believed to represent significant concerns to the subject site and are not considered to have resulted in APECs on the subject-site.



Assessment of Uncertainty and/or Absence of Information

The information reviewed as part of the preparation of this Phase I ESA is considered to be sufficient to conclude that there are no potentially contaminating activities resulting in an area of potential environmental concern on the Phase I property. The presence/absence of potentially contaminating activities was confirmed by a variety of independent sources, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.





8.0 CONCLUSIONS

8.1 Assessment

Paterson Group was retained by Riverside South Development Corporation to conduct a Phase I Environmental Site Assessment (ESA) of a parcel of land addressed 3700 Twin Falls Place in Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the site.

The Phase I property was historically used for agricultural purposes and has never been developed. No PCAs were identified on-site during this assessment.

The surrounding land use has historically been agricultural with occasional farmsteads, and some newly constructed residential and institutional developments within the study area. Two PCAs were identified associated with the historical land use of neighbouring properties. Based on the information reviewed, the distance from the subject property, the age, and down-gradient orientation with respect to the subject site, the PCAs were not considered to have resulted in APECs on the subject site.

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



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, and CSA Z768-01 (re-affirmed 2022). The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I ESA are based on a review of readily available geological, historical, and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as local, provincial, and federal agencies and was limited within the scope-of-work, time, and budget of the project herein.

Should any conditions be encountered at the site and/or historical information that differs from our findings, we request that we are 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.

Curtis Black, M.Eng.



Mark S. D'Arcy, P.Eng., QPESA



Report Distribution:

- Riverside South Development Corporation
- Paterson Group



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.
MNR Areas of Natural Significance.
MECP Water Well Record Inventory.
Chapman, L.J., and Putnam, D.F., 1984: 'The Physiography of Southern Ontario, Third Edition', Ontario Geological Survey Special Volume 2.

Municipal Records

City of Ottawa Document "Old Landfill Management Strategy, Phase I -Identification of Sites.", prepared by Golder Associates, 2004. Intera Technologies Limited Report "Mapping and Assessment of Former Industrial Sites, City of Ottawa", 1988. geoOttawa: City of Ottawa electronic mapping website.

City of Ottawa Historical Land Use Inventory (HLUI) Database

Local Information Sources

Personal Interviews.

Public Information Sources

Google Earth. Google Maps/Street View.

Private Information Sources

ERIS Report Survey Plan

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE5840-1 – SITE PLAN

DRAWING PE5840-2 – SURROUNDING LAND USE PLAN



FIGURE 1 KEY PLAN





FIGURE 2 TOPOGRAPHIC MAP





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APPENDIX 1

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS

























Site Photographs

PE5840

3700 Twin Falls Place, Ottawa ON

September 12, 2022



Photograph 1: View of the site, facing south from Leitrim Road.



Photograph 2: View of the east side of the subject site, facing southeast from Limebank Road.



APPENDIX 2

MECP ENVIRONMENTAL PROPERTY INFORMATION

MECP WELL RECORDS

TSSA RESPONSE

HLUI APPLICATION

ERIS REPORT

Ministry of the Environment, Conservation and Parks Ministère de l'Environnement, de la Protection de la nature et des Parcs

Bureau de l'accès à l'information et de la protection de la vie privée

12th Floor 40 St. Clair Avenue West Toronto ON M4V 1M2 Tel: (416) 314-4075

Access and Privacy Office

12° étage 40, avenue St. Clair ouest Toronto ON M4V 1M2 Tél. : (416) 314-4075



September 9, 2022

Curtis Black Paterson Group 9 Auriga Drive Ottawa, Ontario K2E 7T9 cblack@patersongroup.ca

Dear Curtis Black:

RE: MECP FOI A-2022-06420, Your Reference PE5840 – Decision Letter

This letter is in response to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to 3700 Twin Falls Place (Lot 17, Concession1), Ottawa.

After a thorough search through the files of the ministry's Ottawa District Office, Sector Enforcement Branch (formerly Environmental Investigations and Enforcement Branch and Sector Compliance Branch) and Safe Drinking Water Branch, no records were located responsive to your request. **This file is now closed.**

You may request a review of my decision within 30 days from the date of this letter by contacting the Information and Privacy Commissioner/Ontario at http://www.ipc.on.ca. Please note there may be a fee associated with submitting the appeal.

If you have any questions, please contact Spyros loannou at 416-419-6359 or spyros.ioannou2@ontario.ca.

Yours truly,

ORIGINAL SIGNED BY

Ryan Gunn Manager (A), Access and Privacy Office

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Observation well Abandohed, insufficient supply Dewatering Test Hole Abandohed, poor quality Replacement well Well Contractor/Technician Information Ministry Use Only Name of Well Contractor Well Contractor's Licence No. Splacsh User Name Name of Well Technician (last name, first name) Well Technician's Licence No. Feer cluster Date Submitted YYYY Signature of Technician/Contractor Date Submitted YYYY Signature of Technician/Contractor Date Submitted YYYY Soo6E (09/03) Contractor's Copy	🔀 Water Supply	Recharge	e well	Unfinished	Abando	ned, (Other)	Was the well ow	mer's information Date Deliv		MM DD
Well Contractor/Technician Information Ministry Use Only Name of Well Contractor Well Contractor's Licence No. Data Source Contractor & Cont	Observation well Test Hole	Abandor	ned, insufficient su ned, poor quality	upply Dewatering) ent well		package delivere		0000	661001
Splash Well Oulling 4877 Business Address (street name, number, city etc.) P.O. BOX P.O. BOX 0833 P.O. BOX 10833 P.O. BOX 1084	Name of Well Contro	Well C	Contractor/Tec	hnician Informat	on Vell Contractor's I	icence No.	Data Source	Ministry Use Only Contector	8 m m	
Business Address (street name, number, cuy etc.) Address (street name, numb	Splash	Well	<u>aill</u>	ing	4877	· · ····	Data Passiver			
Name of Well Technician (last name, first name) Well Technician's Licence No. Reffatts Well Record Number Fer clubon T4446 Date Submitted YYYY MM DD Date Submitted YYY MM DD Date Submitted YYY MM DD Date Submitted YYY MM DD Date Submitted YY Y MM DD Date Submitted YY Y MM DD Date Submited YY Y MM DD Date Submited YY Y M M D	P.O.R			Prescott	- 7544*		MAY 2 6	2005 Date of the		MM DD
Signature of Technician/Contractor Date Submitted YYYY MM DD X X X X X X 0506E (09/03) Contractor's Copy Ministry's Copy X Well Owner's Copy Cette formule est disponible en français	Name of Well Technik	ician (last nan	ne, first name)	V	Vell Technician's L	licence No.	Reffanks	Well Recc	rd Number	
0506E (09/03) Contractor's Copy [] Ministry's Copy [] Cette formule est disponible en français	Signature of Technic	cian/Contracto	r	D	ate Submitted YYYY			d A Angeland		
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Ontario Ministry of Environment and Energy		,	The Ontario Wa WATER V	ter Resources Act VELL RECORD
Print only in spaces provided. Mark correct box with a checkmark, where applicable.	11 1 2	153386		Con. RF 15 22 23 24
County or District	hip/Borough/City/To	wn/Village	Con block tract	survey, etc. Lot 25-27
Addre	ss of Well Logation	LOSUN DI AT	to a log Date	pleted 24/06/033
Zone Easting	Northing	AC Elevati	ion RC Basin Code	day month year
			$ \begin{array}{c c} 1 \\ 30 \\ 31 \\ \hline \\ e instructions) \end{array} $	
General colour Most common material	Other materials		General description	Depth - feet From To
REDUNI CLAY			Sense	016
Crey 11			11	16 45
Grey Gravel Sand 13	ou lea	"5 1	Acked	45 87
White SAND Store			HARI	81 112
		2-5-Para ar	and the second sec	
			<u> </u>	
41 WATER RECORD 251 CASING 8	OPEN HOLE R	ECORD	Sizes of opening 31-33 D	65 75 80 iameter 34-38 Length 39-40
Water found Kind of water Inside at - feet Kind of water Material	Wall thickness inches	Depth - feet From To		inches feet
$10^{-13} \begin{array}{c} 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 $	12	0 97	S Material and type	41-44
15-18 1 □ Fresh 3 □ Sulphur 19 2 □ Satty 4 □ Minerals 5 □ Plastic	e	0 01	61 PLUGGING & SE	
20-23 1 □ Fresh 3 □ Sulphur 24 2 □ Soltr 4 □ Minerals 3 □ Concrete	ed 188	+2 87	Depth set at - feet Material and	Abandonment type (Cement grout, bentonite, etc.)
25-28 1 □ Fresh 3 □ Sulphur 29 ↓ □ Minerals	e /// /	27-30	From To D ³ 607 Cen	enterout
2 Salty 6 Gas 24-23 1 Steel 30-33 1 □ Fresh 3 Sulphur 34 60 0 3 Concrete	ed	87 112	18-21 22-25	
2 Satty 6 Gas 4 Group hol	e	07 7 7	20-29 30-33 60	
71 Pumping test method 10 Pumping rate 11-14 Duration of p 1 □ Pumping rate 4 GPM H	oumping 5-16 ours 2 Mins		LOCATION OF WELL	-
Static level water level end of pumping ²⁵ Water levels during ¹ Pumping	2 Aecovery	In diagram Indicate no	below show distances of well orth by arrow.	from road and lot line.
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	-34 60 minutes 49-37		\uparrow \uparrow	
If flowing give rate 38-41 Pump intake set at Water at end	of test 42			
Recommended pump type pump setting // pump rate	ded 46-49	X	ct.	P. MIL
So-53	GPM			falf
FINAL STATUS OF WELL 54 1 Water supply 5 Abandoned, insufficient supply 9 Ur	finished		N e de	
2 Observation well 6 Abandoned, poor quality 10 Re 3 Test hole 7 Abandoned (Other) 4 Recharge well 9 Dewatering	eplacement well	2		
WATER USE 55-56		Ra	and the second s	
1 12→Comestic 5 □ Commercial 9 □ Nc 2 □ Stock 6 □ Municipal 10 □ Ot 3 □ Irrigation 7 □ Public supply	bt use her	1 1	5/2	
4 🗆 Industrial 8 🗆 Cooling & air conditioning			13	
METHOD OF CONSTRUCTION 57 1 □ Cable tool 5 □ Air percussion 9 □ Dr	iving		K	
2 Rotary (conventional) 6 Boring 10 Diamond 3 Rotary (reverse) 7 Diamond 11 Ot 4 Rotary (air) 8 Jetting	gging her)		257264
Name of Weil Contractor Weil Con	tractor's Licence No.	Data 5	58 Contractor 59-62	Date received 63-68 80
Gilles Bourgeois (110 14	11/	Date of inspection	1414	JUL 0 8 2003
St-Hibert DIT		IS Pomarka		
Acques RAYmond T-	0264			CSS FS3
Signature of Technician/Contractor	mo yr	NIM		
2 - MINISTRY OF ENVIRONMENT AND ENER	RGY COPY			0506 (06/02) Front Form 9

F	Minist of the Enviro	ry Inment		WAT	The ER	Ontario Wa WE	ter Resources	Act RECO	RD
Onta	urio	1. PRINT ONLY IN S 2. CHECK 🗵 CORRE	PACES PROVIDED	11	15284	41 [22 23 74
COUNT	Y OR DISTRICT	-	TOWNSHIP, BOROUGH CIT	Y, TOWN VILLAGE			n. I. R.S.	TE COMPLETED	17
	,		70 Hing	Lun Kd				ау <u>Д</u> мо <u>Д</u>	
		LO	G OF OVERBURDEN	N AND BEDRO	CK MATERIA	ALS (SEE INSTR	UCTIONS	DEPTH	•• • • • • • • • • • • • • • • • • • •
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g	ing .	limestore						79	85
que	y white	Sandstone					i	85	/23
21	/			1 1 1 1				1 1 1 1	1.11
$\begin{bmatrix} 31\\32\\1 \end{bmatrix}$									
41 WATER	R FOUND - FEET	R RECORD	51 CASING &	OPEN HOLE	RECORD DEPTH - FEET RUM TO	Z (SLOT NO)	AND TYPE	DIAMETER 34-38 INCHES DEPTH TO JOP OF SCREEN	FEET 41-44 30
<u> </u>	$\frac{1}{15-11} \frac{1}{1} \frac{1}{1} \frac{1}{1} \frac{1}{1}$	ALTY $6 \square GAS$ TRESH $3 \square SULPHUR$ 19 CALTY $6 \square GAS$	1 LISTEEL 2 GALVANIZED 3 GONCRETE 4 OOPEN HOLE 5 PLASTIC	-/88 (5 84	61 DEPTH SET A	PLUGGING &	SEALING RECO	
	20-23 t _ F 2 _ S 25-28 t _ F	$\begin{array}{ccc} & & 3 & \Box & \text{SULPHUR} \\ & 4 & \Box & \text{MINERALS} \\ & & \text{ALTY} & 6 & \Box & \text{GAS} \\ & & \text{RESH} & 3 & \Box & \text{SULPHUR} \\ & 4 & \Box & \text{MINERALS} \end{array}$	1 □ STEEL 2 □ GALVANIZED 3 □ CONCRETE 4 ₽ OPEN HOLE 5 □ PLASTIC 24-25 2	8	4 /23	FROM	το MATER 8 4 ¹⁴⁻¹⁷ Cor	ment grail	ACKER. ETC.)
	2 _ s 30-33 1 _ F 2 _ s	ALTY 6 GAS RESH 3 SULPHUR 34 4 MINERALS ALTY 6 GAS	1 □ STEEL 2 □ GALVANIZED 3 □ CONCRETE 4 □ OPEN HOLE 5 □ PLASTIC			26-29	30-33 80		
71	PUMPING JEST METHO	D 10 PUMPING RATE	11-14 DURATION OF 1 GPMHC	PUMPING -16		LOC	ATION OF	WELL	
TEST	STATIC LEVEL 19-21 30 FEET	VATER LEVEL 23 END OF WATER LI PUMPING 22-24 15 MINUTES 26-28 444 FEE	EVELS DURING $\begin{array}{c} 1 \\ 2 \\ 30 \\ 1 \\ 32 \\ 7 \\ 32 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ $) PUMPING RECOVERY S 60 MINUTES 2-34 35-37 FEET 36 FEET	LOT	IAGRAM BELOW S LINE INDICAT /	HOW DISTANCES OF TE NORTH BY ARROW	en RI	
	IF FLOWING. GIVE RATE RECOMMENDED PUMP 1	38-41 PUMP INTAKE S GPM IYPE RECOMMENDED	SET AT WATER AT END FEET 1 CLEA 43-45 RECOMMENDED	R 2 CLOUDY	Rideas	ł		D.C. # 14	Ι,
G .	SHALLOW	DEEP SETTING) O FEET RATE	У _{дрм}	River		3. K.n		
	FINAL STATUS OF WELL	1 Image: Constraint of the second s	ABANDONED. INSU ABANDONED. INSU ABANDONED POO UNFINISHED DEWATERING	UFFICIENT SUPPLY R QUALITY			Dr. O.C. 19 Real	i Pl	
	WATER USE	DOMESTIC STOCK INRIGATION INDUSTRIAL OTHER	COMMERCIAL MUNICIPAL PUBLIC SUPPLY COOLING OR AIR CONI O COOLING OR AIR CONI O COOLING OR AIR CONI O COOLING OR AIR CONI	DITIONING DT USED					
CON	METHOD OF NSTRUCTION	I CABLE TOOL 2 ROTARY (CONVENT 3 ROTARY (REVERSE 4 ROTARY (AIR) 5 AIR PERCUSSION	BORING DIAMOND JETTING DIGGING) O OTHER	DRILLERS REMA	RKS		13	7533
В	M. Mai	ATRACTOR MS Well Dru	lling wel	L CONTRACTOR'S		54 CONTA	761. DATE	RECEIVED	5
TRACT	NAME OF WILL T	6 Richman	But KOA	220 LL TECHNICIAN'S ENCE NUMBER			INSPECTOR	,.	
CON	SIGNATURE OF TEC	ry Mains Mician/contractor ing Maine	SUBMISSION DATE	2 95	OFFICI			EOBALNO OFFIC	11 / 251 50011
N	MINISTRY O	F THE ENVIRON	IENT COPY					FORM NO. 0506 ((11/86) FOHM 5

Ministry of the Environme	nt	WAT	The Ontario	Water Resources Act ELL RE	CORD
Ontario	1. PRINT ONLY IN SPACES F 2. CHECK 🕅 CORRECT BOX	vervided	1528440	MUNICIP 1,5,0,0,2 10 14 15 15	
COUNTY OR DISTRICT	τον	INSHIP, BOROUGH CITY, TOWN, VILLAGE	CON	BLOCK TRACT. SURVEY ETC	LOT 25-27
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1 2 M 10		Hing Rc. 1 1 17 10 24 25	ELEVATION RC.		
	LOG OF		CK MATERIALS (SEE	RAL DESCRIPTION	DEPTH - FEET
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- F	Jug exis	ting well	·		
grey fü	U	cement cap. 2'			0 10
34"	hole plug				10 33
Sani	tized pea	povel		· · · · · · · · · · · · · · · · · · ·	33 58
41 WATER REC WATER FOUND AT - FEET KIND OF	WATER INSIG	CASING & OPEN HOLE I		IST OF OPENING 31-33 DIA OT NO T	INCHES FEET DEPTH TO TOP 41-44 30
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2 GALTY 2 SALTY 20-23 1 FRESH	$ \begin{array}{c} $	4 □ OPEN HOLE 5 □ PLASTIC 7-18 1 □ STEEL 19 2 □ GALVANIZED	20-23 DEPTH FROM	A TO MATERIAL /	ALING RECORD
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71 PUMPING TEST METHOD 1 \square PUMP 2 \square BAIL	10 PUMPING RATE	11-14 DURATION OF PUMPING 15-15 17-18 GDM HOUTPS MISS		LOCATION OF WE	LL
STATIC WATER LE END OF LEVEL PUMPIN	VEL 25 WATER LEVELS (G 22-24 15 MINUTES 30	GPM	IN DIAGRAM BE LOT LINE IN	LOW SHOW DISTANCES OF WEL IDICATE NORTH BY ARROW. 4140 R. J.C.	ll from road and R.J.
	26-28 FEET FEET 38-61 PUMP INTAKE SET AT	29-31 32-34 35-37 FEET FEET FEET WATER AT END OF TEST 42			
GIVE RATE	GPM RECOMMENDED	FEET 1 CLEAR 2 CLOUDY 43-45 RECOMMENDED 46-49		00	.#14
C SHALLOW DEER	PUMP SETTING	PUMPING FEET RATE GPM	Rideur	134 10	
FINAL ³⁴ 1 STATUS 3	WATER SUPPLY Observation Well Test Hole	; ABANDONED. INSUFFICIENT SUPPLY ABANDONED POOR QUALITY UNFINISHED	River		
55-56 1 g	DOMESTIC 5	DEWATERING COMMERCIAL MUNICIPAL		CC. Rd	19
USE 4 D	IRRIGATION 7	PUBLIC SUPPLY COOLING OR AIR CONDITIONING		River	RJ
METHOD 2 OF 3	CABLE TOOL Rotary (conventional) Rotary (reverse)	BORING DIAMOND DIATING			
	ROTARY (AIR)		DRILLERS REMARKS	CONTRACTOR 59-62 DATE PECC	13/534
adgress	Well Dull	My LICENCE NUMBER	SOURCE	6761 MA	<u>R 1 3 1995</u>
NAME OF SELL TECHNI	Richmond C	JNT: KOA 220 WELL TECHNICIAN'S		T LOCATE ORIGINAL	w.w. RECORD.
SIGNATURE DE ALEGINICIA	I Mains	SUBMISSION DATE 3 3 95	0 MARCH 14/99	o. #5.	
MINISTRY OF TH	E ENVIRONMEN				FORM NO. 0506 (11/86) FORM 9

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	Ministry	,		<i>.</i> *		The	Ontario	o Water Re	sources Act	•	
	of the	·			WAT	FER	W	'ELL	. RE	ECC)RD
Ontario	Environ	ment			·	4 5 4 0 2	000	NUNICIP.	CON.		
		2. CHECK X COR	RECT BOX WHE	RE APPLICABLE		13132	. 30	10		<u> </u>	22 23 74
COUNTY OR OT		.	TOWNSH	IP, BOROUGH. CATY	TOWN, VILLAGE		co	IN., BLOCK, TRACT.	SURVEY, ETC.	C	LOT 25-27
OWN			/*	DDRESS			<u> </u>		DATE COM	PLETED	40-53 O.S.
				NORTHING		ELEVATION	ec.	BASIN CODE	DAY	MO	
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		L(OG OF O\	/ERBURDEN	AND BEDR	OCK MATERIA	ALS (SEE	EINSTRUCTIONS)		
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32	<u> </u>	╶╴╴╴╴╴		┖╍┺╍┙╘ <u>┶┶┶┺</u> ╼┙ ┨┓╏╏╻╻╻╏	╕╷╷╷╷╷╷╷				┺┸╍┺╼┛└╌┸ ┨╻┨╷╏┨╷		
41	WATER F	RECORD	51	CASING & C	OPEN HOLE	AJ	Z (51	S4 E(S) OF OPENING OT NO)	31-33 DIAME	TER 34-38	25 80 LENGTH 39-40
WATER FOUND AT - FEET	KIND	OF WATER	INSIDE DIAM	MATERIAL	WALL THICKNESS	DEPTH · FEET	BEE	TERIAL AND TYPE	***	- INCHES	FEET
10-13	FRES	H 3 🗍 SULPHUR H	INCHES 10-11 1	STEEL 12	INCHES	I3-16	SC			OF SCREEN	41-44 50 FEET
15-18	1 G FRES	H 3 C SULPHUR	2	GALVANIZED			61	PLUG	GING & SEAI	ING RECO	
20-23		Y 4 MINERAL	17-16 (STEEL 19		20-23	DEPTI	H SET AT + FEET	MATERIAL AND	TYPE (CEM	ENT GROUT
	2 O SALT	Y 4 D MINERAL	2 3	GALVANIZED			FROM	10-13 14-17			ALREN, EIC J
	' I [] FRESI 2 [] SALTI	H 3 SULPHUR **	24-25 1	STEEL 26		27-30		18-21 22-25		_	 }
20-33	I D FREST	H 3 🗍 SULPHUR ^{34 10} 7 4 🗍 MINERAL		CONCRETE			2	4-29 30-33	80		
PUMPING T	TEST METHOD	10 PUMPING RATE		14 DURATION OF PU	MPING	1.01					
	FUMP 2 0 8	AILER	B J GP	M 15-10	NS 17-18	471	L	LUCATIO	V OF WEL	L	
	IC WATER EL PUN	R LEVEL AN WATER L	EVELS DURING	2 C	PUMPING RECOVERY	LOT L	AGRAM BE .INE. 1N	LOW SHOW DIST	ANCES OF WELL BY ARROW.	FROM ROAD A	
	2	5 a 5 minutes			4 2 53-37		1				
Z IF FLOWIN GIVE RATE	FEET CA	FEET FEI 38-41 PUMP INTAKE	SET AT	ET FE WATER AT END O	ET FEET						N. 1
	IDED PUMP TYPE	GPM RECOMMENDED	FE	ET I CLEAR	2 CLOUDY	5	/			-	
d _ sh	HALLOW C	PUNP SETTING	30 fe	PUMPING RATE	10 gpm	0.3					۶ ۲ ۲
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FINA		OBSERVATION WEL	s □ A .L s □ A	BANDONED, INSUF BANDONED, POOR	FICIENT SUPPLY QUALITY	3		- 160m		0	
OF WE	ELL ,	TEST HOLE	7 🗋 U	NFINISHED		Ň.				۲ ۲	
	53-56 1	COMESTIC	\$ CONM	ERCIAL	· · · · ·	Q:-			L	U S	
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201-10	watei	- w e	II Keco	ra		
County or Territorial District.	arleton	Towr	nship, Village, Town	or City Moure	Ty.	
			Village, Town o	r City)		
			ddresslo.ka	charge Marino ge		
(day)	(month)	(year)				
Pipe and Casi	ng Record			Pumping Test		
Casing diameter(s)			Static level	gent		
Length(s)			Pumping rate	66 gal	•••••	
Type of screen			Pumping level	30 min	••••••	
Length of screen			Duration of test.		·····	
Well Lo	g			Water Record		
			Depth(s)	No. of feet	Kind of wat	
Overburden and Bedrock Record	From ft.	ft.	at which water(s) found	water rises	(fresh, salt) or sulphur	
Red day	0	40	70	64	fush	
Lord Kard pan	40	70				
mane grant	70	84				
·						
•						
For what purpose(s) is the wat	er to be used?	1	, pin	Location of Wall	J	
house hold a	ne		In diagram b	elow show distances o	f well from	
Is water clear or cloudy?	on hillsida?		road and lot	line. Indicate north	by arrow.	
is well on upland, in valley, or				St wind - Jo		
Drilling firm				XI x	X	
Address				i cu'st than		
Name of Driller	r Ketlle	0	51	1 2 onus		
Address	sayul	le	1st	NE /	2 1	
Licence Number 537				MIF	> /	
I certify that the	 foregoing				-	
statements of fac	et are true.					
Date July 7 Jan	es Mitt	tles	· Pri	ub		
1	Signature of Lice	ensee s		to Rover	$\overline{}$	

31G/56. "C"	SUCK			
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5 R 50115270 N	TUL	. 9.4	AV 1 7 1966	. 200
	Sources Commission		MI 7 1 1000	
Basin 25. Dramlaton	LL KEU	UKD	NTARIO WATER 11 (DES COMMISSIO	1
County of District	Township, Village,	Town or City	Gloucest	er
Cont 1 DF RF Lot 16	.Date completed	19th (day	April	1966 year)
	dress Box 32	6 - R.R.	5, Ottaw	, Ont.
Casing and Screen Record		Pumpi	ng Test	
Inside diameter of casing. 6 3/16	Static level	25		
Total length of casing 90	Test-pumping	ate 500	GPH	XSXXXX
Type of screen	Pumping level.	5	0	
Length of screen	Duration of test	pumping	l hr.	
Depth to top of screen	Water clear or c	loudy at end o	of test clea	r
Diameter of finished hole 6 3/16	Recommended	pumping rate	450 GP	H Xexexax
	with pump setti	ng of 80	feet belo	w ground surface
Well Log			Wate	r Record
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
clay	0	70	92	sulphur
gravel	70	85		
		92		
For what $purpose(s)$ is the water to be used? house	1	leastion	of Moli	N
	In diagra	m below show	distances of well	l from
Is well on upland, in valley, or on hillside? upland	road and	lot line. In	dicate north by	arrow.
Drilling or Boring Firm		10		
J.B. DUFRESNE & CO. LIMITED		// $$	440-	
Address 1014 Maitland Ave.	E	<i>//</i>	¥ 9 4	
· Ottawa 5, Ont.	e',	eri/	XiX	
Licence Number 2030	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Ÿ.		
Name of Driller or Borer W. Roy	A AL	· 🖌 🏑	*/	
Address St. Jean Baptiste, Deschesnes, P.Q.	12	R35. ~~	1	
Date April 19th 1966	-	12/		
K. flanon		2 2 A		
(Signature of Licensed Drilling or Boring Contractor) for J.B. Dufresne & Co. Limited	/°	γ		
Form 7 15M-60-4138				
OWRC COPY	·5 No0-H	IF Hone,	+6 ADLES S	SUB DIV
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316/56 WATER RESOURCES DIVISION UTM 1 18 Z 4 4 5 5 1 10 E 011151314 10 N MAGR. 51 **Ontario Water Resources Commission Act** ONTARIO WATE RESOURCES COM REC 60 ORD 21 Township, Village, Town or City. Date completed 26 65 RF .Lot... / 🔾 Con year) _{ess} 279 on Pumping Test **Casing and Screen Record** 21 5 Static level Inside diameter of casing. 10 8 G.P.M. Test-pumping rate Total length of casing 30 Pumping level. Type of screen Duration of test pumping / hr Length of screen Water clear or cloudy at end of test Depth to top of screen 11 Recommended pumping rate. .G.P.M. Diameter of finished hole 90 with pump setting of feet below ground surface Water Record Well Log Kind of water Depth(s) at To ft. From (fresh, salty, sulphur) which water(s) Overburden and Bedrock Record ft. found 40 14 0 40 80 90 8 O 115 90 Location of Well For what purpose(s) is the water to be used? In diagram below show distances of well from road and lot line. Indicate north by arrow. Is well on upland, in valley, or on hillside? Drilling or Boring Firm (optal Address 1243 73 Ottawa 3-0600 Licence Number 168 Et 15 M Name of Driller or Borer..... Address 6) Date (Signature of Licensed Drilling or Boring Contractor) Form 7 15M-60-4138 Casho OWRC COPY

$RIDEAUFRACE UTM \frac{1}{18} \frac{2}{2} \frac{4}{4} \frac{5}{5} \frac{5}{2} \frac{1}{5} \frac{1}{5} \frac{1}{5} \frac{5}{2} \frac{1}{5} \frac{5}{2} \frac{1}{5} \frac{5}{2} \frac{1}{5} \frac{5}{2} \frac{1}{5} \frac{1}{2} \frac{1}{$	31 <i>G</i> /56. <u>5</u> N The Wa	ONTA ter-well Dri Department	RIO Illers Act, 1954 of Mines	GROUND WAT MA520 ONTARIO RESOURCES CO	ER BRANCH Nº 1666 1958 WATER MMISSION
County or Territorial District	(month)	-We Towns (year)	hip, Village, Town or n Village, Town or Address	d City	
Pipe and Casing	Record			Pumping Test	
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Well Log				Water Record	
Overburden and Bedrock Record	From ft. O	To ft. 30	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
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316/56. "2" UTM $|/|8|^{z}$ $|4|4|5|5|/|5|^{E}$ 15 4692 Nº. 6 956 R 5 R 5015355 N GELLIGICAL BRANCH Elev. 4 R 0121610 The Water-well Drillers Act, 1954 rai **Department** of Mines 215 Başin Water-Well Record Township, Village, Town or City. Lationa Car County or Territorial District.(in Village, Town or City)..... (day) (month) (year) Pipe and Casing Record Pumping ·Test 11 Q Casing diameter(s) fe M / lo fue Type of screen Duration of test Length of screen Well Log Water Record Depth(s) at which Kind of water From то No. of feet Overburden and Bedrock Record (fresh, salty, or sulphur) water(s) found ft. ft. water rises 2 1. res BW For what purpose(s) is the water to be used? Location of Well Nouse In diagram below show distances of well from Is water clear or cloudy?....... road and lot line. Indicate north by arrow. Is well on upland, in valley, or on hillside?...... Drilling firm ... Coloran 1 1 Address / // caren 61 Mari Name of Driller e e l A. e 62 Address 16 7 2 that gold ... ona Licence Number. I certify that the foregoing LOT 16 statements of fact are true. CREE 58 Chalcus Come Signature of Licensee 1.65.63 Form 5 3 jos

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plieclayt	70	58	109	96	Fresh
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Bolders and Travel	61	78			
Sund stone	79	109			
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Drilling firm F.R.C. Address 1452 Bess City Elie	Hills mette Lin B wort	ide P		- 41	
Name of Driller			. y		
I certify that the statements of fact	foregoing are true.	#	John Bar	1 × 200'	
Date Juny To	Signature of Licen	see		and Curry	
Form 5		/	time	085.5	

Ĉ 316/55. UTM 1/18 Z 41415161810 E 15 No 16545 R 50115450 N RECEIVED Elev. 4 R 0121715 The Water-well Drillers Act, 1954 SEP 1 1006 Basin 2-15 **Department** of Mines Lot 15 **GEOLOGICAL BRANCH** Water-Well Record DEPARTMENT of MINES n Village, Town or City)..... Address Duttering Judge (day) (month) (year) Pipe and Casing Record **Pumping Test** Casing diameter (s) Static level ¥ Pumping rate 360 674 Type of screen Pumping level <u>30</u> / Length of screen Well Log Water Record Depth(s) Kind of water From at which То No. of feet Overburden and Bedrock Record (fresh, salty, or sulphur) water (B) ft. ft water rises found Alus Cla makun 4.3 huch For what purpose(s) is the water to be used? 11 Location of Well JY Euga Coke Vel In diagram below show distances of well from Is water clear or cloudy?.... road and lot line. Indicate north by arrow. Is well on upland, in valley, or on hillside?..... sal Kinf, Drilling firm - LO I land cm 11 Name of Driller CSt_{Λ} Address 35 J Drozh fert Licence Number I certify that the foregoing statements of fact are true. $\frac{S}{2} \frac{S}{2} \frac{S}$ Date Charge 39 (Form 5

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Address 185 James St.	•••••		n an		*
•••••		•••••		1 17 m	
Name of Driller A. Scha	rf			,	
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314/56. F UTM $18^{z} 4455525^{E}$ 5 B 50117075 Elev. 4 R 0121516 mm The Water-well Drillers Act, 1954 GEOLOGICAL BRANCH idean 1 Basin |2|5|**Department** of Mines PEPERTIZIIT of LINES Rideau Front Water-Well Record Con IBF. lot. 12 County or Territorial District. Calleton Township, Village, Town or City. Surveyor Con 3.7 E Lot 12 R. Street and Number (if in Village, Town or City). Owner Mass anthy Comael Address Bulling Bridge 4 1s - 1955 Date completed . (month) (lay) (vear) **Pumping Test** Pipe and Casing Record low my Casing diameter(s)4 Static level Pumping level FLaws Type of screen Duration of test Length of screen Water Record Well Log Depth(s) Kind of water No. of feet то at which water(s) (fresh, salty, or sulphur) From Overburden and Bedrock Record water rises ft. ft. found KS fut Red Clay our 0 96 Sand + grand 61 45hard pan 76 6 [hard grey line 96 16 RW For what purpose(s) is the water to be used? Location of Well use house hold In diagram below show distances of well from Is water clear or cloudy?...... road and lot line. Indicate north by arrow. Is well on upland, in valley, or on hillside?..... galley Sum Rov Drilling firm Jam lo. Kell Name of Driller Address I certify that the foregoing statements of fact are true. Date augel 15 ames Kettles Signature of Licensee Redea Run C28.88 Form 5 (I)qu

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316/56. "C No 1667 UTM 182 44151 BRANCH 151/12 5R 501 Elev. |4| R |0| 2 |8|5|The Well Drillers Act Basin Department of Mines, Province of Ontario Water Well Record Slow Village, Town or City. wn or City). Bit Cost of Well (excluding pump)..... Date Completed... Pipe and Casing Record **Pumping Test** 29 Casing diameter (s) ... Date Jake Length(s) of casing(s). **5.3**. **1**. Static level Pumping level . . . Type of screen..... public Length of screen..... les. **f**..... Distance from top of screen to ground level..... Duration of test.... Distance from cylinder or bowls to ground level..... Is well a gravel-wall type?.... Water Record Kind of Water No. of Feet Water Rises Depth(s) to Water Kind (fresh or mineral)..... Horizon(s) Quality (hard, soft, contains iron, sulphur, etc.).. 26 3 Appearance (clear, cloudy, coloured)..... For what purpose(s) is the water to be used?..... une 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 Record 0 ft.ft. In diagram below show distances of Black low well from road and lot line. In- \mathcal{O} 9 dicate north by arrow. red cla 66 *q |* 66 Situation: Is well on upland, in valley, or on hillside?.... mulligan they of them من. Drilling Firm Name of Driller.Licence Number.. Date.... Kull am 12. Signature of Licensee FORM 5

From:	Public Information Services <publicinformationservices@tssa.org></publicinformationservices@tssa.org>
Sent:	Wednesday, August 24, 2022 3:35 PM
То:	Curtis Black
Subject:	RE: Search Records Request - Ref#PE5840

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

NO RECORD FOUND IN CURRENT DATABASE

Hello Curtis,

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

• We confirm that there are no records in our current database of any fuel storage tanks at the subject address(es).

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

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

- 1. Click <u>Release of Public Information TSSA</u> TSSA and click "need a copy of a document";
- 2. Select the appropriate application, download it and complete it in full; and

3. Proceed to page 3 of the application and click the link TSSA Service Prepayment Portal under payment options (the link will take you the secure site to pay for the release via credit card). Accessing the Service Prepayment Portal:

- 1. Select new or existing customer (*if you are an existing customer, you will need your account # & postal code to access your account);
- 2. Select the program area: AD (Amusement Devices), BPV (Boilers and Pressure Vessels), ED (Elevating Devices), FS (Fuels Services), OE (Operating Engineers) or SKI (Ski Lifts) and click continue;
- 3. Enter the application form number (obtained from bottom left corner of application form) and click continue;
 - a. When selecting the application form number from the drop-down menu, please make sure you select the application that begins with "PI" (i.e. PI-FS, PI-BPV etc.);
- 4. Complete the primary contact information section;
- 5. Complete the fees section;
- 6. Upload your completed application; and
- 7. Upload supporting documents (if required) and click continue.

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

Questions? Please contact TSSA's Public Information Release team at

publicinformationservices@tssa.org.

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

Kind Regards,

Mariah



Public Information Agent Facilities and Business Services 345 Carlingview Drive Toronto, Ontario M9W 6N9 Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: <u>publicinformationservices@tssa.org</u> www.tssa.org

From: Curtis Black <<u>CBlack@patersongroup.ca</u>>
Sent: August 24, 2022 1:48 PM
To: Public Information Services <<u>publicinformationservices@tssa.org</u>>
Subject: Search Records Request - Ref#PE5840

[CAUTION]: This email originated outside the organisation. Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Good afternoon,

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

Limebank Road: 4462, 4452, 4269

Spratt Road: 3771, 3767

River Road: 558, 538, 530

Twin Falls Place: 3702, 3700

Kind regards,



CURTIS BLACK, M.Eng. JUNIOR ENVIRONMENTAL ENGINEER TEL: (613) 226-7381 ext. 104 DIRECT: (613) 701-2902 9 AURIGA DRIVE OTTAWA ON K2E 7T9 patersongroup.ca

EXPLORE THE POSSIBILITIES WITH US AND VISIT OUR REFRESHED WEBSITE TODAY.

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.

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



Registered Property Owner Information:

613 889 6204

Name:

Mailing Address:

Telephone:

Historic Land Use Inventory

Application Form

Notice of Public Record

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

Municipal Freedom of Information and Protection Act

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

Background Information						
*Site Address or Location:	3700 Twin Falls Place]		
	* Mandatory Field			1		
Applicant/Agent Information:						
Name:	Paterson Group Inc.					
Mailing Address:	9 Auriga Drive, Ottawa, C	N, K2E 7T9]		
Telephone:	613 226 7381	Email Address:	cblack@patersongroup.ca]		

Same as above

Email Address:

Riverside South Development Corporation

2193 Arch Street, Ottawa, ON, K1G 2H5

mdenomme@urbandale.com

Site Details					
Dttawa					
Lot frontage: m Lot depth: m Lot area: 0 m ² OR Lot area: (irregular lot) 829938 m ² Does the site have Full Municipal Services: Yes No					
Fees					
Please don't hesitate to visit the Historic Land Use Inventory website more information. Fees must be paid in full at the time of application submission.					
\$132.00					

Submittal Requirements

The following are required to be submitted with this application:

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

Disclaimer For use with HLUI Database

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

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

- The HLUI may contain erroneous information given that such records and sources of information may be flawed. Changes in municipal addresses over time may have introduced error in such records and sources of information. The City is not responsible for any errors or omissions in the HLUI and reserves the right to change and update the HLUI without further notice. The City does not, however, make any commitment to update the HLUI. Accordingly, all information from the HLUI is provided on an "as is" basis with no representation or warranty by the City with respect to the information's accuracy or exhaustiveness in responding to the request.
- 2. City staff will perform a search of the HLUI based on the information given by the Requester. City staff will make every effort to be accurate, however, the City does not provide an assurance, guarantee, warranty, representation (express or implied), as to the availability, accuracy, completeness or currency of information which will be provided to the Requester. The HLUI in no way confirms the presence or absence of contamination or pollution of any kind. The information provided by the City to the Requester is provided on the assumption that it will not be relied upon by any person whatsoever. The City denies all liability to any such persons attempting to rely on any information provided from the HLUI database.
- 3. The City, its employees, servants, agents, boards, officials or contractors take no responsibility for any actions, claims, losses, liability, judgments, demands, expenses, costs, damages or harm suffered by any person whatsoever including negligence in compiling or disseminating information in the HLUI.
- 4. Copyright is reserved to the City.
- 5. Any use of the information provided from the HLUI which a third party makes, or any reliance on or decisions to be based on it, are the responsibilities of such third parties. The City, its employees, servants, agents, boards, officials or contractors accept no responsibility for any damages, if any, suffered by a third party as a result of decisions made as a result of an information search of the HLUI.
- 6. Any use of this service by the Requestor indicates an acknowledgement, acceptance and limits of this disclaimer.
- 7. All information collected under this request and all records provided in response to this request are subject to the provisions of the Municipal Freedom of Information and Protection of Privacy Act, R.S.O. 1990, c. M.56, as amended.

Signed: Kark Dated (dd/mm/yyyy): 22/08/2022

Per: Curtis Black

(Please print name)

Title: Junior Environmental Eng.

Company: Paterson Group



August 22, 2022 File: PE5840-HLUI

City of Ottawa

Ottawa. Ontario

K1P 1J1

110 Laurier Avenue W

Consulting Engineers

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

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

patersongroup.ca

Subject: Authorization Letter, HLUI Search Phase I-Environmental Site Assessment Vacant Land on Limebank Rd. Beginning at 3700 Twin Falls Place Ottawa, ON

Dear Sir/Madame

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

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

Name of Company/Property Owner:

Riverside South Development Corporation

Name of Representative:

Marcel Denomme

Signature:

August 22nd, 2022

Date:





DATABASE REPORT

Project Property:

Project No: Report Type: Order No: Requested by: Date Completed: Phase I Environmental Site Assessment 3700 Twin Falls PI Gloucester ON K1V 1W6 55606 Quote - Custom-Build Your Own Report 22082204365 Paterson Group Inc. August 25, 2022

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

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Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

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

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Executive Summary

Property Information:

Project Property:

Project No:

Phase I Environmental Site Assessment 3700 Twin Falls PI Gloucester ON K1V 1W6

55606

Order Information:

Order No: Date Requested: Requested by: Report Type: 22082204365 August 22, 2022 Paterson Group Inc. Quote - Custom-Build Your Own Report

Historical/Products:

ERIS Xplorer

ERIS Xplorer

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	1	1
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	9	9
CA	Certificates of Approval	Y	0	3	3
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
СНМ	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	4	8	12
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	1	2	3
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Ŷ	0	0	0
FST	Fuel Storage Tank	Ŷ	0	0	0
FSTH	Fuel Storage Tank - Historic	Ŷ	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Ŷ	0	8	8
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	1	1

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	1	1
NATE	National Analysis of Trends in Emergencies System	Y	0	0	0
NCPL	(NATES) Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal	Y	0	0	0
NEBI	Sites National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	1	1
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	0	0
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	19	19
	-	Total:	5	53	58

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
<u>1</u>	ECA	Richcraft Homes Ltd.	Ottawa ON K1G 4K1	WSW/0.0	-9.58	<u>22</u>
<u>1</u>	ECA	Richcraft Homes Limited	Ottawa ON K1G 4K1	WSW/0.0	-9.58	<u>22</u>
<u>1</u>	ECA	Richcraft Homes Limited	Ottawa ON K1G 4K1	WSW/0.0	-9.58	<u>22</u>
1	ECA	Richcraft Homes Ltd.	Ottawa ON K1G 4K1	WSW/0.0	-9.58	<u>23</u>
<u>2</u>	EHS		Spratt Rd Limebank Rd Ottawa ON	ESE/0.0	-2.85	<u>23</u>

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>3</u>	EHS		4260 Limebank Road Ottawa ON	E/6.1	-1.85	<u>23</u>
<u>4</u>	ECA	Richcraft Homes Ltd.	Ottawa ON K1G 4K1	WNW/22.0	-0.76	<u>23</u>
<u>4</u>	ECA	Richcraft Homes Limited	Ottawa ON K1G 4K1	WNW/22.0	-0.76	<u>24</u>
<u>4</u>	ECA	Richcraft Homes Limited	Ottawa ON K1G 4K1	WNW/22.0	-0.76	<u>24</u>
<u>4</u>	ECA	Richcraft Homes Ltd.	Ottawa ON K1G 4K1	WNW/22.0	-0.76	<u>24</u>
<u>5</u>	WWIS		lot 17 con 1 ON <i>Well ID:</i> 1519298	WSW/24.9	-2.76	<u>25</u>
<u>5</u>	WWIS		lot 17 con 1 ON Well ID: 1528440	WSW/24.9	-2.76	<u>27</u>
<u>5</u>	WWIS		lot 17 con 1 ON <i>Well ID:</i> 1528441	WSW/24.9	-2.76	<u>29</u>
<u>6</u>	WWIS		lot 16 con 1 ON <i>Well ID:</i> 1533861	WNW/28.2	-0.76	<u>33</u>
<u>7</u>	ECA	Ottawa-Carleton Catholic School Board	4209 Limebank Rd North-east corner of Limebank Road and Spratt Road Ottawa ON K2G 3R4	ESE/49.9	-1.85	<u>37</u>
<u>7</u>	GEN	URBANDALE CORPORATION	SPRATT ROAD @ LIMEBANK ROAD OTTAWA ON K1V 2N8	ESE/49.9	-1.85	<u>38</u>
<u>7</u>	GEN	URBANDALE CORPORATION	SPRATT ROAD @ LIMEBANK ROAD OTTAWA ON K1V 2N8	ESE/49.9	-1.85	<u>38</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>7</u>	GEN	URBANDALE CORPORATION	SPRATT ROAD @ LIMEBANK ROAD OTTAWA ON K1V 2N8	ESE/49.9	-1.85	<u>38</u>
<u>7</u>	GEN	URBANDALE CORPORATION	SPRATT ROAD @ LIMEBANK ROAD OTTAWA ON K1V 2N8	ESE/49.9	-1.85	<u>38</u>
<u>7</u>	GEN	URBANDALE CORPORATION	SPRATT ROAD @ LIMEBANK ROAD OTTAWA ON K1V 2N8	ESE/49.9	-1.85	<u>39</u>
<u>7</u>	GEN	URBANDALE CORPORATION	SPRATT ROAD @ LIMEBANK ROAD OTTAWA ON K1V 2N8	ESE/49.9	-1.85	<u>39</u>
<u>8</u>	CA	Urbandale Realty Corporation Limited	4001 Spratt Rd Ottawa ON	ESE/53.5	-1.85	<u>39</u>
<u>8</u>	ECA	Urbandale Realty Corporation Limited	4001 Spratt Rd Ottawa ON K1G 2H5	ESE/53.5	-1.85	<u>39</u>
<u>8</u>	ECA	Urbandale Realty Corporation Limited	4001 Spratt Rd Ottawa ON K1G 2H5	ESE/53.5	-1.85	<u>40</u>
<u>9</u>	GEN	A and A Health Inc.	3771 Spratt Rd, Unit 10 Ottawa ON K1V 2P3	ESE/80.3	-1.78	<u>40</u>
<u>9</u>	GEN	A and A Health Inc.	3771 Spratt Rd, Unit 10 Ottawa ON K1V 2P3	ESE/80.3	-1.78	<u>40</u>
<u>10</u>	WWIS		4209 LIMEBANK ROAD OTTAWA ON <i>Well ID:</i> 7040010	E/83.2	-1.85	<u>41</u>
<u>10</u>	CA	Ottawa-Carleton Catholic School Board	4209 Limebank Rd North-east corner of Limebank Road and Spratt Road Ottawa ON	E/83.2	-1.85	<u>42</u>
<u>11</u>	HINC		737 OWLS CABIN AVENUE GLOUCESTER ON K1V 1W9	S/84.7	0.15	<u>43</u>
<u>12</u>	WWIS		lot 16 con 1 ON	W/108.8	-10.52	<u>43</u>

Мар Кеу	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1501667			
<u>13</u>	WWIS		lot 16 con 1 ON <i>Well ID:</i> 1504691	W/113.3	-10.54	<u>46</u>
<u>14</u>	BORE		ON	W/113.3	-10.54	<u>49</u>
<u>15</u>	WWIS		4269 LIMEBANK ROAD lot 18 con 2 GLOUCESTER ON	E/114.5	-1.85	<u>51</u>
<u>16</u>	WWIS		lot 16 con 1 ON	W/122.4	-10.64	<u>58</u>
<u>17</u>	PINC	PIPELINE HIT	4460 LIMEBANK ROAD,,OTTAWA,ON, K1V 2N8,CA ON	ESE/128.1	-1.85	<u>61</u>
<u>18</u>	BORE		ON	W/135.5	-10.85	<u>62</u>
<u>19</u>	WWIS		lot 16 con 1 ON	W/135.6	-10.85	<u>63</u>
<u>20</u>	WWIS		lot 16 con 1 ON	W/155.3	-10.76	<u>66</u>
<u>21</u>	BORE		ON	W/155.4	-10.76	<u>69</u>
<u>22</u>	WWIS		4269 LIMEBANK RD OTTAWA ON <i>Well ID:</i> 1536379	E/155.8	-1.85	<u>70</u>
<u>23</u>	WWIS		lot 16 con 1 ON <i>Well ID:</i> 1500289	W/167.5	-10.89	<u>72</u>
<u>24</u>	BORE		ON	W/182.8	-11.85	<u>74</u>
<u>25</u>	BORE		ON	WNW/204.5	-1.82	<u>76</u>

Мар Кеу	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>26</u>	BORE		ON	W/204.8	-9.85	<u>77</u>
<u>27</u>	WWIS		lot 16 con 1 ON <i>Well ID:</i> 1501666	W/204.8	-9.85	<u>78</u>
<u>28</u>	BORE		ON	ESE/214.3	-1.85	<u>81</u>
<u>29</u>	WWIS		lot 19 con 1 ON <i>Well ID:</i> 1500867	ESE/214.4	-1.85	<u>82</u>
<u>30</u>	WWIS		lot 16 con 1 ON <i>Well ID:</i> 1501684	NW/214.9	-0.85	<u>85</u>
<u>31</u>	BORE		ON	NW/214.9	-0.85	<u>88</u>
<u>32</u>	AMIS	MERKLEY'S QUARRY	GLOUCESTER ON	E/215.6	-0.85	<u>89</u>
<u>33</u>	MNR	Merkley	ON	E/215.8	-0.85	<u>89</u>
<u>34</u>	WWIS		lot 15 con 1 ON <i>Well ID:</i> 1500288	W/219.9	-13.57	<u>90</u>
<u>35</u>	EHS		Intersection of Leitrim Road and River Road Ottawa ON	W/225.9	-11.82	<u>93</u>
<u>36</u>	BORE		ON	N/227.4	1.15	<u>93</u>
<u>37</u>	WWIS		lot 15 con 1 ON <i>Well ID:</i> 1504692	W/228.7	-11.68	<u>94</u>
<u>38</u>	WWIS		lot 15 con 1 ON	W/234.8	-11.15	<u>97</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1501654			
<u>39</u>	CA	Ottawa-Carleton Catholic School Board	4109 Limebank Rd Part of Lot 18, Concession 2, Rideau Front Ottawa ON	E/249.9	-0.85	<u>100</u>
<u>39</u>	ECA	Ottawa-Carleton Catholic School Board	4109 Limebank Rd Part of Lot 18, Concession 2 Ottawa ON K2G 3R4	E/249.9	-0.85	<u>101</u>

Executive Summary: Summary By Data Source

AMIS - Abandoned Mine Information System

A search of the AMIS database, dated 1800-Mar 2022 has found that there are 1 AMIS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
MERKLEY'S QUARRY		215.6	32
	GLOUCESTER ON		

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 9 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	Address	Distance (m)	<u>Map Key</u>
	ON	113.3	<u>14</u>
	ON	135.5	<u>18</u>
	ON	155.4	<u>21</u>
	ON	182.8	<u>24</u>
	ON	204.5	<u>25</u>
	ON	204.8	<u>26</u>
	ON	214.3	<u>28</u>
Address	<u>Distance (m)</u>	<u>Map Key</u>	
---------	---------------------	----------------	
ON	214.9	<u>31</u>	
ON	227.4	<u>36</u>	

<u>CA</u> - Certificates of Approval

<u>Site</u>

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

Site	Address	Distance (m)	<u>Map Key</u>
Urbandale Realty Corporation Limited	4001 Spratt Rd Ottawa ON	53.5	<u>8</u>
Ottawa-Carleton Catholic School Board	4209 Limebank Rd North-east corner of Limebank Road and Spratt Road Ottawa ON	83.2	<u>10</u>
Ottawa-Carleton Catholic School Board	4109 Limebank Rd Part of Lot 18, Concession 2, Rideau Front Ottawa ON	249.9	<u>39</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Jun 30, 2022 has found that there are 12 ECA site(s) within approximately 0.25 kilometers of the project property.

Site	Address	<u>Distance (m)</u>	<u>Map Key</u>
Richcraft Homes Ltd.	Ottawa ON K1G 4K1	0.0	1
Richcraft Homes Limited	Ottawa ON K1G 4K1	0.0	1
Richcraft Homes Ltd.	Ottawa ON K1G 4K1	0.0	1

Site	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Richcraft Homes Limited	Ottawa ON K1G 4K1	0.0	<u>1</u>
Richcraft Homes Ltd.	Ottawa ON K1G 4K1	22.0	<u>4</u>
Richcraft Homes Limited	Ottawa ON K1G 4K1	22.0	<u>4</u>
Richcraft Homes Limited	Ottawa ON K1G 4K1	22.0	<u>4</u>
Richcraft Homes Ltd.	Ottawa ON K1G 4K1	22.0	<u>4</u>
Ottawa-Carleton Catholic School Board	4209 Limebank Rd North-east corner of Limebank Road and Spratt Road Ottawa ON K2G 3R4	49.9	<u>7</u>
Urbandale Realty Corporation Limited	4001 Spratt Rd Ottawa ON K1G 2H5	53.5	<u>8</u>
Urbandale Realty Corporation Limited	4001 Spratt Rd Ottawa ON K1G 2H5	53.5	<u>8</u>
Ottawa-Carleton Catholic School Board	4109 Limebank Rd Part of Lot 18, Concession 2 Ottawa ON K2G 3R4	249.9	<u>39</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Mar 31, 2022 has found that there are 3 EHS site(s) within approximately 0.25 kilometers of the project property.

Address	<u>Distance (m)</u>	<u>Map Key</u>
Spratt Rd Limebank Rd Ottawa ON	0.0	2
4260 Limebank Road Ottawa ON	6.1	<u>3</u>
Intersection of Leitrim Road and River Road Ottawa ON	225.9	<u>35</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Apr 30, 2022 has found that there are 8 GEN site(s) within approximately 0.25 kilometers of the project property.

Site	Address	<u>Distance (m)</u>	<u>Map Key</u>
URBANDALE CORPORATION	SPRATT ROAD @ LIMEBANK ROAD OTTAWA ON K1V 2N8	49.9	<u>7</u>
URBANDALE CORPORATION	SPRATT ROAD @ LIMEBANK ROAD OTTAWA ON K1V 2N8	49.9	<u>7</u>
URBANDALE CORPORATION	SPRATT ROAD @ LIMEBANK ROAD OTTAWA ON K1V 2N8	49.9	<u>7</u>
URBANDALE CORPORATION	SPRATT ROAD @ LIMEBANK ROAD OTTAWA ON K1V 2N8	49.9	<u>7</u>
URBANDALE CORPORATION	SPRATT ROAD @ LIMEBANK ROAD OTTAWA ON K1V 2N8	49.9	<u>7</u>
URBANDALE CORPORATION	SPRATT ROAD @ LIMEBANK ROAD OTTAWA ON K1V 2N8	49.9	<u>7</u>
A and A Health Inc.	3771 Spratt Rd, Unit 10 Ottawa ON K1V 2P3	80.3	<u>9</u>

Site	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
A and A Health Inc.	3771 Spratt Rd, Unit 10 Ottawa ON K1V 2P3	80.3	<u>9</u>

HINC - TSSA Historic Incidents

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

Site	Address	Distance (m)	<u>Map Key</u>
	737 OWLS CABIN AVENUE GLOUCESTER ON K1V 1W9	84.7	<u>11</u>

MNR - Mineral Occurrences

A search of the MNR database, dated 1846-Feb 2022 has found that there are 1 MNR site(s) within approximately 0.25 kilometers of the project property.

Site	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Merkley	ON	215.8	<u>33</u>

<u>PINC</u> - Pipeline Incidents

A search of the PINC database, dated Feb 28, 2021 has found that there are 1 PINC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	<u>Distance (m)</u>	<u>Map Key</u>
PIPELINE HIT	4460 LIMEBANK ROAD,,OTTAWA,ON,K1V 2N8,CA ON	128.1	<u>17</u>

<u>WWIS</u> - Water Well Information System

A search of the WWIS database, dated Jan 31, 2022 has found that there are 19 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Address</u>	Distance (m)	<u>Map Key</u>
lot 17 con 1 ON	24.9	<u>5</u>
Well ID: 1528441		
lot 17 con 1 ON	24.9	<u>5</u>
Well ID: 1528440		
lot 17 con 1 ON	24.9	<u>5</u>
Well ID: 1519298		
lot 16 con 1 ON	28.2	<u>6</u>
Well ID: 1533861		
4209 LIMEBANK ROAD OTTAWA ON	83.2	<u>10</u>
Well ID: 7040010		
lot 16 con 1 ON	108.8	<u>12</u>
Well ID: 1501667		
lot 16 con 1 ON	113.3	<u>13</u>
Well ID: 1504691		
4269 LIMEBANK ROAD lot 18 con 2 GLOUCESTER ON	114.5	<u>15</u>
Well ID: 1535501		
lot 16 con 1 ON	122.4	<u>16</u>
Well ID: 1501669		
lot 16 con 1 ON	135.6	<u>19</u>
Well ID: 1501668		
lot 16 con 1 ON	155.3	<u>20</u>
Well ID: 1501665		
4269 LIMEBANK RD OTTAWA ON	155.8	<u>22</u>

<u>Address</u> Well ID: 1536379	<u>Distance (m)</u>	<u>Map Key</u>
lot 16 con 1 ON	167.5	<u>23</u>
Well ID: 1500289		
lot 16 con 1 ON	204.8	<u>27</u>
Well ID: 1501666		
lot 19 con 1 ON	214.4	<u>29</u>
Well ID: 1500867		
lot 16 con 1 ON	214.9	<u>30</u>
Well ID: 1501684		
lot 15 con 1 ON	219.9	<u>34</u>
Well ID: 1500288		
lot 15 con 1 ON	228.7	<u>37</u>
Well ID: 1504692		
lot 15 con 1 ON	234.8	<u>38</u>
Well ID: 1501654		



Source: © 2021 ESRI StreetMap Premium.

© ERIS Information Limited Partnership



Aerial Year: 2022

Address: 3700 Twin Falls PI, Gloucester, ON

Source: ESRI World Imagery

Order Number: 22082204365

© ERIS Information Limited Partnership



45°18'N



Topographic Map

Order Number: 22082204365



Address: 3700 Twin Falls PI, ON

Source: ESRI World Topographic Map

© ERIS Information Limited Partnership

Detail Report

Map Key	Number Records	of	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
<u>1</u>	1 of 4		WSW/0.0	82.1 / -9.58	Richcraft Homes Ltd.		ECA
					Ottawa ON K1G 4K1		
Approval No: Approval Date. Status: Record Type: Link Source: SWP Area Nan Approval Type: Project Type: Business Name Address: Full Address: Full Address: Full PDF Link: PDF Site Locate	: ne: : e: ion:	4643-5CTJJ 2002-08-14 Approved ECA IDS Rideau Valle M Rideau Valle Rideau Valle	₩ CA-Municipal and unicipal and Priva ichcraft Homes Lt	Private Water Wo te Water Works d.	MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: rks	Ottawa -75.6851 45.28890000000005	
<u>1</u>	2 of 4		WSW/0.0	82.1 / -9.58	Richcraft Homes Limi	ited	ECA
					Ottawa ON K1G 4K1		
Approval No: Approval Date. Status: Record Type: Link Source: SWP Area Nan Approval Type: Project Type: Business Name Address: Full Address: Full Address: Full PDF Link: PDF Site Locate	: : e: ion:	0353-4RYM 2000-12-21 Approved ECA IDS Rideau Valle M Ri	99 CA-Municipal and unicipal and Priva ichcraft Homes Liu	Private Water Wo te Water Works mited	MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: rks	Ottawa -75.6851 45.28890000000005	
<u>1</u>	3 of 4		WSW/0.0	82.1 / -9.58	Richcraft Homes Limi	ted	ECA
		Ottawa ON K1G 4K1					
Approval No: Approval Date. Status: Record Type: Link Source: SWP Area Nan Approval Type: Project Type: Business Name Address: Full Address: Full PDF Link:	: ne: : e:	6371-4RYM 2000-12-21 Approved ECA IDS Rideau Valle EC M Rideau Valle	CW CA-MUNICIPAL A UNICIPAL AND F ichcraft Homes Lii tps://www.access	ND PRIVATE SEV PRIVATE SEWAGE mited environment.ene.c	MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: WAGE WORKS E WORKS	Ottawa -75.6851 45.2889 4RWMA8-14.pdf	

Мар Кеу	Number Records	of Direction/ Distance (m)	Elev/Diff (m)	Site		DB
PDF Site Loc	ation:					
<u>1</u>	4 of 4	WSW/0.0	82.1 / -9.58	Richcraft Homes Ltd.		ECA
				Ottawa ON K1G 4K1		
Approval No Approval Da	o: nte:	6978-5CTJY6 2002-08-14		MOE District: City:	Ottawa	
Status:	_	Approved		Longitude:	-75.6851	
Record Type	9: ·	ECA		Latitude: Geometry X:	45.2889	
SWP Area N	ame:	Rideau Valley		Geometry Y:		
Approval Typ	be:	ECA-MUNICIPAL	AND PRIVATE SE	WAGE WORKS		
Project Type Business Na	: mo:	MUNICIPAL AND Richcraft Homes I	PRIVATE SEWAG	E WORKS		
Address:	me.	Theneral Homes I	_10.			
Full Address	:					
Full PDF Lini	k:	https://www.acces	senvironment.ene.	gov.on.ca/instruments/3465-5	CRHBV-14.pdf	
PDF Sile Loc	ation:					
2	1 of 1	ESE/0.0	88.9/ -2.85	Spratt Rd Limebank R Ottawa ON	d	EHS
Order No:		20140819081		Nearest Intersection:		
Status:		C		Municipality:		
Report Type): •	Standard Report		Client Prov/State: Search Padius (km):	ON 25	
Date Receiv	ed:	19-AUG-14		X:	-75.674485	
Previous Sit	e Name:			Y:	45.288527	
Lot/Building	Size:	2.72 hectares				
Additional in	io ordered.	City Directory				
<u>3</u>	1 of 1	E/6.1	89.9/-1.85	4260 Limebank Road Ottawa ON		EHS
Order Net		20080810042		Nooroot Interroction.		
Status:		C		Municipality:		
Report Type:	ŗ	Complete Report		Client Prov/State:	ON	
Report Date:		8/27/2008		Search Radius (km):	0.25	
Previous Site	ea: e Name:	0/19/2000		X: Y:	45.290095	
Lot/Building	Size:				.0.200000	
Additional In	fo Ordered:	Title Search				
4	1 of 4	WNW/22.0	91.0 / -0.76	Richcraft Homes Ltd.		
-				Ottawa ON K1G 4K1		ECA
					<i></i>	
Approval No.	: to:	4443-5NVNPN 2003-06-27		MOE District:	Ottawa	
Status:		Approved		Longitude:	-75.6864	
Record Type	:	ECA		Latitude:	45.2925	
Link Source:		IDS Bide and Mall		Geometry X:		
SWP Area Na	ame:			Geometry Y:		
Project Type	:	MUNICIPAL AND	PRIVATE SEWAG	E WORKS		
Business Na	me:	Richcraft Homes I	_td.			
Address:						

Map Key	Numbe Record	er of Direction/ Is Distance (m	Elev/Diff) (m)	Site		DB
Full Address Full PDF Lini PDF Site Loc	: k: cation:	https://www.acce	ssenvironment.ene.	gov.on.ca/instruments/2650	-5NSQKD-14.pdf	
<u>4</u>	2 of 4	WNW/22.0	91.0 / -0.76	Richcraft Homes Lim	ited	ECA
				Ottawa ON K1G 4K1		
Approval No. Approval Dat Status: Record Type Link Source: SWP Area Na Approval Typ Project Type Business Na Address: Full Address Full PDF Lini PDF Site Loo	: te: ame: oe: : me: k: k: cation:	5608-4Y4NHK 2001-07-06 Approved ECA IDS Rideau Valley ECA-Municipal a Municipal and Pr Richcraft Homes	nd Private Water Wo ivate Water Works Limited	MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: orks	Ottawa -75.6864 45.29250000000004	
<u>4</u>	3 of 4	WNW/22.0	91.0 / -0.76	Richcraft Homes Lim	ited	ECA
				Ottawa ON K1G 4K1		
Approval No. Approval Dat Status: Record Type Link Source: SWP Area Na Approval Typ Project Type Business Na Address: Full Address Full Address Full PDF Linl PDF Site Loo	: te: ame: oe: : me: k: cation:	0285-4Y4NR5 2001-07-06 Approved ECA IDS Rideau Valley ECA-MUNICIPAI MUNICIPAL ANI Richcraft Homes https://www.acce	- AND PRIVATE SE) PRIVATE SEWAG Limited ssenvironment.ene.	MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: WAGE WORKS E WORKS WORKS	Ottawa -75.6864 45.2925 -4Y3KUU-14.pdf	
<u>4</u>	4 of 4	WNW/22.0	91.0 / -0.76	Richcraft Homes Ltd		ECA
				Ottawa ON K1G 4K1		
Approval No. Approval Dat Status: Record Type Link Source: SWP Area Na Approval Typ Project Type Business Na Address: Full Address Full PDF Lind PDF Site Loo	: te: ame: oe: : me: k: cation:	0197-5NVNRP 2003-06-27 Approved ECA IDS Rideau Valley ECA-Municipal D Municipal Drinkin Richcraft Homes	rinking Water Syste g Water Systems Ltd.	MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: ms	Ottawa -75.6864 45.29250000000004	

Мар Кеу	Number Records	of	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
5	1 of 3	И	/SW/24.9	89.0/-2.76	lot 17 con 1 ON		wwis
Well ID:		1519298			Flowing (Y/N):		
Constructio	n Date:				Flow Rate:		
Use 1st:		Domestic			Data Entry Status:		
Use 2nd:					Data Src:	1	
Final Well S	tatus:	Water Supply	/		Date Received:	25-Oct-1984 00:00:00	
Water Type:					Selected Flag:	TRUE	
Casing Mate	erial:				Abandonment Rec:		
Audit No:					Contractor:	3644	
Tag:					Form Version:	1	
Constructn	Method:				Owner:		
Elevation (m	n):				County:	OTTAWA	
Elevatn Reli	iabilty:				Lot:	017	
Depth to Be	drock:				Concession:	01	
Well Depth:					Concession Name:	RF	
Overburden	/Bedrock:				Easting NAD83:		
Pump Rate:					Northing NAD83:		
Static Water	r Level:				Zone:		
Clear/Cloud	y:				UTM Reliability:		
Municipality	/:	GL	OUCESTER TO	WNSHIP			
Site Info:							

PDF URL (Map):

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1519298.pdf

Additional Detail(s) (Map)

Well Completed Date:	
Year Completed:	
Depth (m):	
Latitude:	45.2883409474729
Longitude:	-75.6858416891794
Path:	151\1519298.pdf

Bore Hole Information

10041168 Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: **Open Hole:** Cluster Kind: Date Completed: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Method of Construction & Well Use

Method Construction ID:	961519298
Method Construction Code:	0
Method Construction:	Not Known
Other Method Construction:	

Pipe Information

Elevation: Elevrc: 18 Zone: East83: 446217.00 North83: 5015211.00 Org CS: N83 UTMRC: 8 UTMRC Desc: margin of error : 3 km - 10 km Location Method: lot

Order No: 22082204365

Map Key	Number of Records	<i>Direction/</i> Distance (m)	Elev/Diff (m)	Site		DB
Pipe ID: Casing No: Comment: Alt Name:		10589738 1				
<u>Results of W</u>	ell Yield Testir	ng				
Pump Test IL):	991519298				
Static Level:		15.0				
Final Level A	fter Pumping:	25.0				
Recommend	ed Pump Dept	h: 30.0				
Pumping Rate	e: e:	8.0				
Recommend	ed Pump Rate	: 10.0				
Levels UOM:		ft				
Rate UOM:		GPM				
Water State	After Test Cod					
Pumping Tes	t Method:	1				
Pumping Du	ration HR:	1				
Pumping Du	ration MIN:	0				
Flowing:		No				
Draw Down &	<u>Recovery</u>					
Pump Test D	etail ID:	934107536				
Test Type:	. .	15				
Test Level:	1.	25.0				
Test Level U	ОМ:	ft				
<u>Draw Down 8</u>	<u>Recovery</u>					
Dump Toot D		024292602				
Test Type	etali iD:	934302092				
Test Duration	1:	30				
Test Level:		25.0				
Test Level U	OM:	ft				
<u>Draw Down 8</u>	<u>Recovery</u>					
Pump Test D Test Type:	etail ID:	934901776				
Test Duration	า:	60				
Test Level:		25.0				
Test Level U	OM:	ft				
Draw Down 8	<u>Recovery</u>					
Pump Test D Test Type:	etail ID:	934652110				
Test Duration	1:	45				
Test Level:	~~	25.0				
Test Level U	OM:	ft				
<u>Links</u>						
Bore Hole ID	: 10	0041168		Tag No:		
Depth M:				Contractor:	3644	
Year Comple	ted:			Path:	151\1519298.pdf	

Мар Кеу	Number Records	r of S	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Well Complet Audit No:	ted Dt:				Latitude: Longitude:	45.2883409474729 -75.6858416891794	
<u>5</u>	2 of 3		WSW/24.9	89.0 / -2.76	lot 17 con 1 ON		WWIS
Well ID: Construction Use 1st: Use 2nd: Final Well Sta Water Type: Casing Mater Audit No: Tag: Constructn IN Elevation (m) Elevatin Relia Depth to Bed Well Depth: Overburden/I Pump Rate: Static Water I Clear/Cloudy Municipality:	Date: atus: rial: lethod: : bilty: lrock: Bedrock: Level: :	1528440 Domestic Abandone 137534	d-Quality GLOUCESTER TO	WNSHIP	Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: County: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 13-Mar-1995 00:00:00 TRUE 6761 1 OTTAWA 017 01 RF	
Additional De Well Complet Year Complet Depth (m): Latitude: Longitude: Both	np): e <u>tail(s) (Mar</u> ted Date: ted:	<u>)</u>	https://d2khazk8e8 1995/02/11 1995 17.6784 45.2883409474729 -75.685841689179	3rdv.cloudfront.ne) 4	t/moe_mapping/downloads/	/2Water/Wells_pdfs/152\1528440.pdf	
Patn: Bore Hole Inf Bore Hole ID: DP2BR: Spatial Status Code OB: Code OB Des Open Hole: Cluster Kind: Date Complet Remarks: Elevrc Desc: Location Sout Improvement Source Revis Supplier Com	iormation s: sc: ted: Location S Location N ion Common iment:	10049977 11-Feb-19 Source: Method: ent:	995 00:00:00		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	18 446217.00 5015211.00 N83 8 margin of error : 3 km - 10 km lot	
Materials Inte Materials Inte Formation ID Layer: Color:	erval :	<u>n</u>	931069657 3				

Map Key Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc:	32 PEA GRAVEL			
Formation Top Depth: Formation End Depth: Formation End Depth UOM:	33.0 58.0 ft			
<u>Overburden and Bedrock</u> <u>Materials Interval</u>				
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3:	931069655 1 2 GREY 01 FILL 60 CEMENTED			
<i>Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:</i>	0.0 10.0 ft			
<u>Overburden and Bedrock</u> <u>Materials Interval</u>				
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3:	931069656 2 00 UNKNOWN TYPE			
Formation Top Depth: Formation End Depth: Formation End Depth UOM:	10.0 33.0 ft			
<u>Annular Space/Abandonment</u> <u>Sealing Record</u>				
Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:	933113334 2 33.0 58.0 ft			
<u>Annular Space/Abandonment</u> <u>Sealing Record</u>				
Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:	933113333 1 10.0 33.0 ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
<u>Method of Con</u> <u>Use</u>	struction & Well					
Method Constr Method Constr Method Constr Other Method (uction ID: uction Code: uction: Construction:	961528440 0 Not Known				
Pipe Informatio	<u>on</u>					
Pipe ID: Casing No: Comment: Alt Name:		10598547 1				
<u>Links</u>						
Bore Hole ID: Depth M: Year Complete Well Complete Audit No:	1004997 17.6784 d: 1995 d Dt: 1995/02/ 137534	⁷ 7 /11		Tag No: Contractor: Path: Latitude: Longitude:	6761 152\1528440.pdf 45.2883409474729 -75.6858416891794	
<u>5</u> 3	t of 3	WSW/24.9	89.0/-2.76	lot 17 con 1 ON		WWIS
Well ID: Construction D Use 1st: Use 2nd: Final Well Statt Water Type: Casing Materia Audit No: Tag: Constructn Me Elevation (m): Elevatn Reliabi Depth to Bedro Well Depth: Overburden/Be Pump Rate: Static Water Le Clear/Cloudy: Municipality: Site Info: PDF URL (Map,	ate: Domesti US: Water Si 137533 thod: http: bck: edrock: evel:):	c upply GLOUCESTER TO https://d2khazk8e83	WNSHIP 3rdv.cloudfront.ne	Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: County: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 13-Mar-1995 00:00:00 TRUE 6761 1 OTTAWA 017 01 RF	
Additional Deta Well Completed Year Complete Depth (m): Latitude: Longitude: Path:	<u>ail(s) (Map)</u> d Date: d:	1995/02/11 1995 37.4904 45.2883409474729 -75.6858416891794 152\1528441.pdf	ł			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Bore Hole ID: DP2BR: Spatial Status Code OB: Code OB Des Open Hole: Cluster Kind:	1004997 :: c:	1005-00-00-00		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC:	18 446217.00 5015211.00 N83 8 morgin of error : 2 km = 10 km	
Remarks: Elevrc Desc: Location Sou Improvement Improvement Source Revis Supplier Com	rce Date: Location Source: Location Method: ion Comment: ment:	1999 00.00		Location Method:	lot	
<u>Overburden a</u> <u>Materials Inte</u>	nd Bedrock rval					
Formation ID: Layer: Color: General Color Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation To Formation En Formation En Formation ID: Layer: Color: General Color Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation ID: Layer: Color	r: n Material: p Depth: d Depth: d Depth UOM: <u>nd Bedrock</u> <u>rval</u> r: n Material:	931069662 5 2 GREY 18 SANDSTONE 85.0 123.0 ft 931069660 3 2 GREY 26 ROCK 71 FRACTURED				
Formation En Formation En	d Depth: d Depth: d Depth UOM:	79.0 ft				
<u>Overburden a</u> <u>Materials Inte</u>	<u>nd Bedrock</u> rval					
Formation ID: Layer: Color: General Color Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc:	r: n Material:	931069661 4 2 GREY 15 LIMESTONE				
30	<u>erisinfo.com</u> Envi	ronmental Risk Info	rmation Service	es	Order No: 22082	2204365

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Formation Top Formation End Formation End	o Depth: d Depth: d Depth UOM:	79.0 85.0 ft				
<u>Overburden al</u> <u>Materials Inter</u>	nd Bedrock <u>val</u>					
Formation ID: Layer: Color: General Color Mat1: Most Commor Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation End Formation End	: n Material: o Depth: d Depth: d Depth:	931069659 2 2 GREY 14 HARDPAN 12 STONES 65.0 75.0 ft				
Overburden a	nd Podrock	it.				
Materials Inter	<u>val</u>					
Formation ID: Layer: Color: General Color. Mat1: Most Commor Mat2: Mat2 Desc: Mat3: Mat3 Desc:	: n Material:	931069658 1 2 GREY 05 CLAY				
Formation Top Formation End Formation End	o Depth: d Depth: d Depth UOM:	0.0 65.0 ft				
<u>Annular Space</u> <u>Sealing Recor</u>	e/Abandonment_ d					
Plug ID: Layer: Plug From: Plug To: Plug Depth UC	DM:	933113335 1 0.0 84.0 ft				
<u>Method of Cor</u> <u>Use</u>	nstruction & Well					
Method Const Method Const Method Const Other Method	ruction ID: ruction Code: ruction: Construction:	961528441 5 Air Percussion				
<u>Pipe Informati</u>	<u>on</u>					
Pipe ID: Casing No: Comment: Alt Name:		10598548 1				

Construction Record - Casing

Casing ID:	930087340
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	84.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930087341
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	123.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991528441
Pump Set At:	
Static Level:	30.0
Final Level After Pumping:	100.0
Recommended Pump Depth:	100.0
Pumping Rate:	8.0
Flowing Rate:	
Recommended Pump Rate:	8.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

934104640
15
44.0
ft

Draw Down & Recovery

Pump Test Detail ID:	934648782
Test Type:	
Test Duration:	45
Test Level:	30.0
Test Level UOM:	ft

Draw Down & Recovery

Мар Кеу	Numbe Record	r of Is	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Pump Test D	etail ID:		934905965				
Test Type:							
Test Duration	n:		60				
Test Level:	~~~		30.0				
Test Level UC	OM:		ft				
<u>Draw Down 8</u>	Recovery	<u>(</u>					
Pump Test D	etail ID:		934388265				
Test Type:							
Test Duration	า:		30				
Test Level:			32.0				
Test Level UC	OM:		ft				
<u>Water Details</u>	5						
Water ID:			933488107				
Layer:			2				
Kind Code:			5				
Kind:			Not stated				
Water Found	Depth:		117.0				
water Found	Depth UO	IVI.	π				
Water Details	i						
Water ID:			933488106				
Layer:			1				
Kind Code:			5 Not stated				
NING: Water Found	Donth:						
Water Found	Depth UO	M:	ft				
<u>Links</u>							
Bore Hole ID:	:	1004997	8		Tag No:		
Depth M:		37.4904			Contractor:	6761	
Year Comple	ted:	1995	44		Path:	152\1528441.pdf	
Audit No:	tea Dt:	137533			Latitude:	45.2663409474729	
Addit No.		107000			Longnude.	10.0000410001104	
<u>6</u>	1 of 1		WNW/28.2	91.0/-0.76	lot 16 con 1 ON		wwis
Well ID:		1533861			Flowing (Y/N):		
Construction	Date:	_			Flow Rate:		
Use 1st:		Domesti	C		Data Entry Status:		
Use 2nd:	-4	Weter C	upply		Data Src:		
Final Well Sta Water Type:	atus:	water S	սիիւն		Date Received:	00-JUI-2003 00:00:00 TRUE	
Casing Mater	rial:				Abandonment Rec	ince	
Audit No:		257264			Contractor:	1414	
Tag:					Form Version:	1	
Constructn N	lethod:				Owner:		
Elevation (m)): 				County:	OTTAWA	
Elevatn Relia	bilty:				Lot:	016	
Vepth to Bed	IOCK:				Concession Name	RE	
Overburden/	Bedrock [.]				Fasting NAD83	IM .	
Pump Rate:					Northing NAD83:		
Static Water	Level:				Zone:		
Clear/Cloudy	:				UTM Reliability:		
Municipality:			GLOUCESTER TO	WNSHIP	-		

PDF URL (Map):

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1533861.pdf

Additional Detail(s) (Map)

Well Completed Date:	2003/06/24
Year Completed:	2003
Depth (m):	34.1376
Latitude:	45.2925592146151
Longitude:	-75.6864115777078
Path:	153\1533861.pdf

Bore Hole Information

Bore Hole ID:	10542976	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	446176.30
Code OB Desc:		North83:	5015680.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	24-Jun-2003 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	lot
Elevrc Desc:			
Location Source Date	e:		
Improvement Locatio	on Source:		
Improvement Locatio	on Method:		

<u>Overburden and Bedrock</u> <u>Materials Interval</u>

Source Revision Comment: Supplier Comment:

Formation ID:	932924436
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	66
Mat2 Desc:	DENSE
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	16.0
Formation End Depth UOM:	ft

<u>Overburden and Bedrock</u> <u>Materials Interval</u>

Formation ID:	932924438
Layer:	3
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	13
Mat3 Desc:	BOULDERS
Formation Top Depth:	45.0

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Formation Er Formation Er	nd Depth: nd Depth UOM:	87.0 ft				
<u>Overburden a</u> <u>Materials Inte</u>	and Bedrock erval					
Formation ID Layer: Color: General Colo Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation To Formation Er	r: n Material: p Depth: nd Depth: nd Depth UOM:	932924437 2 GREY 05 CLAY 66 DENSE 16.0 45.0 ft				
<u>Overburden a</u> <u>Materials Inte</u>	and Bedrock erval					
Formation ID Layer: Color: General Colo Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation To Formation Er Formation Er	: n Material: p Depth: od Depth: od Depth UOM: ee/Abandonment	932924439 4 1 WHITE 18 SANDSTONE 73 HARD 87.0 112.0 ft				
Sealing Reco Plug ID: Layer: Plug From: Plug To: Plug Depth U	rd ОМ:	933240761 1 0.0 60.0 ft				
<u>Method of Co</u> <u>Use</u>	nstruction & Well					
Method Cons Method Cons Method Cons Other Method	truction ID: truction Code: truction: I Construction:	961533861 4 Rotary (Air)				
<u>Pipe Informat</u> Pipe ID: Casing No: Comment: Alt Name:	tion	11091546 1				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Construction	Record - Casing				
Casing ID:		930097751			
Layer:		2			
Material:		1			
Open Hole or	Material:	STEEL			
Depth From:					
Depth To:					
Casing Diame	ter:	6.0			
Casing Diame	eter UOM:	inch			
Casing Depth	UOM:	ft			
<u>Construction</u>	<u> Record - Casing</u>				
Casing ID:		930097752			
Lavor		3			
Matorial·		4			
Onen Hole or	Matorial				
Denth From:	material.				
Depth To:					
Casing Diame	ter.	60			
Casing Diame	ter UOM·	inch			
Casing Diume		ft			
ousing Depth	0011.				
Construction	<u>Record - Casing</u>				
Casing ID:		930097750			
Layer:		1			
Material:		4			
Open Hole or	Material:	OPEN HOLE			
Depth From:					
Depth To:					
Casing Diame	eter:	8.0			
Casing Diame	ter UOM:	inch			
Casing Depth	UOM:	ft			
Results of We	ell Yield Testing				
Pumn Test ID		991533861			
Pump Set At					
Static Level:		35.0			
Final I evel Af	ter Pumpina [.]	112.0			
Recommende	d Pump Depth:	100.0			
Pumping Rate	a : ap = op a }:	14.0			
Flowing Rate:	·				
Recommende	d Pump Rate:	10.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State A	fter Test Code:	2			
Water State A	fter Test:	CLOUDY			
Pumpina Test	t Method:	1			
Pumpina Dura	ation HR:	1			
Pumping Dura	ation MIN:	0			
Flowing:		No			
Draw Down &	<u>Recovery</u>				
Pumn Toet Da	atail ID:	934121342			
Tost Type		Recovery			
Tost Nuration		15			
Test Level	•	50.0			
Test / avel 110	м.	ft			
, sst Level UU					
	erisinfo.com I En	vironmental Risk Info	rmation Service	s	Order No: 22082204365
36				•	Cidol 110. 22002204000

Draw Down & Recovery

Pump Test Detail ID:	934656572
Test Type:	Recovery
Test Duration:	45
Test Level:	40.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934914019
Test Type:	Recovery
Test Duration:	60
Test Level:	35.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934396195
Test Type:	Recovery
Test Duration:	30
Test Level:	45.0
Test Level UOM:	ft

Water Details

Water ID:	934036672
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	100.0
Water Found Depth UOM:	ft

<u>Links</u>

Bore Hole ID: Depth M: Year Completed: Well Completed Dt: Audit No:	10542976 34.1376 2003 2003/06/24 257264		Tag No: Contractor: Path: Latitude: Longitude:	1414 153\1533861.pdf 45.2925592146151 -75.6864115777078		
71 of 7	ESE/49.9	89.9 / -1.85	Ottawa-Carleton 4209 Limebank F Limebank Road Ottawa ON K2G	Catholic School Board Rd North-east corner of and Spratt Road 3R4	ECA	
Approval No:	8630-7GVKEK		MOE District:			
Approval Date:	2008-08-08		City:			
Status: Record Type:	Approved ECA		Longitude:			
Link Source:	IDS		Geometry X			
SWP Area Name:	100		Geometry Y:			
Approval Type:	ECA-MUNICIPA	L AND PRIVATE SE	WAGE WORKS			
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS					
Business Name:	Ottawa-Carleton	Catholic School Boa	ard			
Address:	4209 Limebank I	Rd North-east corne	r of Limebank Road and	d Spratt Road		
Full Address: Full PDF Link: PDF Site Location:	https://www.acce	https://www.accessenvironment.ene.gov.on.ca/instruments/2591-7EGPBZ-14.pdf				

Map Key	Number Records	of	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
<u>7</u>	2 of 7		ESE/49.9	89.9 / -1.85	URBANDALE CORPO SPRATT ROAD @ LIN OTTAWA ON K1V 2N8	RATION IEBANK ROAD 3	GEN
Generator N SIC Code: SIC Descript Approval Ye PO Box No: Country:	o: tion: ars:	ON70666 531310 REAL ES 2016 Canada	43 TATE PROPERTY I	MANAGERS	Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	CO_OFFICIAL No No	
<u>Detail(s)</u>							
Waste Class Waste Class	: Desc:		251 OIL SKIMMINGS &	SLUDGES			
<u>7</u>	3 of 7		ESE/49.9	89.9 / -1.85	URBANDALE CORPO SPRATT ROAD @ LIM OTTAWA ON K1V 2N8	RATION IEBANK ROAD 3	GEN
Generator N SIC Code: SIC Descript Approval Ye PO Box No: Country:	o: tion: ars:	ON70666 531310 REAL ES 2015 Canada	43 TATE PROPERTY I	MANAGERS	Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	CO_OFFICIAL No No	
<u>Detail(s)</u>							
Waste Class Waste Class	: Desc:		251 OIL SKIMMINGS &	SLUDGES			
<u>7</u>	4 of 7		ESE/49.9	89.9 / -1.85	URBANDALE CORPO SPRATT ROAD @ LIM OTTAWA ON K1V 2N8	RATION IEBANK ROAD 3	GEN
Generator N SIC Code:	0:	ON70666	43		Status: Co Admin:	Registered	
Approval Ye	ars:	As of Dec	2018		Choice of Contact: Phone No Admin: Contam, Facility:		
Country:		Canada			MHSW Facility:		
<u>Detail(s)</u>							
Waste Class Waste Class	: Desc:		251 L Waste oils/sludges	(petroleum based)			
7	5 of 7		ESE/49.9	89.9 / -1.85	URBANDALE CORPO SPRATT ROAD @ LIN OTTAWA ON K1V 2N8	RATION IEBANK ROAD 3	GEN
Generator N SIC Code:	o:	ON70666	43		Status: Co Admin: Choice of Contact:	Registered	
Approval Ye PO Box No:	ars:	As of Jul	2020		Choice of Contact: Phone No Admin: Contam. Facility:		
Country:		Canaŭa			wnsw raciiity:		

Мар Кеу	Number Records	r of Direction/ s Distance (m)	Elev/Diff (m)	Site	DB
<u>Detail(s)</u>					
Waste Class: Waste Class I	Desc:	251 L Waste oils/sludges	(petroleum based)		
<u>7</u>	6 of 7	ESE/49.9	89.9 / -1.85	URBANDALE CORPORATION SPRATT ROAD @ LIMEBANK ROAD OTTAWA ON K1V 2N8	GEN
Generator No SIC Code: SIC Descriptio Approval Yea PO Box No: Country:	on: ors:	ON7066643 As of Nov 2021 Canada		Status:RegisteredCo Admin:Choice of Contact:Phone No Admin:Contam. Facility:MHSW Facility:	
<u>Detail(s)</u>					
Waste Class: Waste Class I	Desc:	251 L Waste oils/sludges	(petroleum based)		
<u>7</u>	7 of 7	ESE/49.9	89.9 / -1.85	URBANDALE CORPORATION SPRATT ROAD @ LIMEBANK ROAD OTTAWA ON K1V 2N8	GEN
Generator No SIC Code: SIC Descriptio Approval Yea PO Box No: Country:	on: hrs:	ON7066643 As of Apr 2022 Canada		Status:RegisteredCo Admin:Choice of Contact:Phone No Admin:Contam. Facility:MHSW Facility:	
<u>Detail(s)</u>					
Waste Class: Waste Class I	Desc:	251 L OIL SKIMMINGS 8	SLUDGES		
<u>8</u>	1 of 3	ESE/53.5	89.9 / -1.85	Urbandale Realty Corporation Limited 4001 Spratt Rd Ottawa ON	СА
Certificate #: Application Y Issue Date: Approval Typ Status: Application T Client Name: Client Addres Client City: Client Postal Project Descr Contaminants Emission Cor	'ear: pe: ype: ss: Code: ription: s: ntrol:	0694-8EKN52 2011 3/7/2011 Municipal and Priva Approved	ate Sewage Works		
<u>8</u>	2 of 3	ESE/53.5	89.9 / -1.85	Urbandale Realty Corporation Limited 4001 Spratt Rd Ottawa ON K1G 2H5	ECA

Мар Кеу	Number Record	r of s	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Approval No: Approval Date Status: Record Type: Link Source: SWP Area Na Approval Typ Project Type: Business Nar Address: Full Address: Full Address: Full PDF Link PDF Site Loca	te:	1826-8VVI 2012-07-10 Approved ECA IDS	_ZV 0 ECA-MUNICIPAL A MUNICIPAL AND P Jrbandale Realty Co 4001 Spratt Rd https://www.accesse	ND PRIVATE SEV RIVATE SEWAGE prporation Limited environment.ene.g	MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: VAGE WORKS WORKS WORKS	NXRLA-14.pdf	
8	3 of 3		ESE/53.5	89.9 / -1.85	Urbandale Realty Corp 4001 Spratt Rd Ottawa ON K1G 2H5	oration Limited	ECA
Approval No: Approval Date Status: Record Type: Link Source: SWP Area Na Approval Typ Project Type: Business Nar Address: Full Address: Full Address: Full PDF Link PDF Site Loce	re: : mme: : : : : : : : : : : : : : : :	0694-8EKI 2011-03-0 Revoked a ECA IDS	N52 7 Ind/or Replaced ECA-MUNICIPAL A MUNICIPAL AND P Jrbandale Realty Co 4001 Spratt Rd https://www.accesse	ND PRIVATE SEV RIVATE SEWAGE prporation Limited	MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: VAGE WORKS WORKS WORKS	CNS6N-14.pdf	
<u>9</u>	1 of 2		ESE/80.3	89.9 / -1.78	A and A Health Inc. 3771 Spratt Rd, Unit 10 Ottawa ON K1V 2P3	,	GEN
Generator No SIC Code: SIC Descripti Approval Yea PO Box No: Country:	o: ion: ars:	ON946319 As of Nov Canada	98 2021		Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	Registered	
<u>Detail(s)</u>							
Waste Class: Waste Class	Desc:	:	312 P Pathological wastes				
<u>9</u>	2 of 2		ESE/80.3	89.9 / -1.78	A and A Health Inc. 3771 Spratt Rd, Unit 10 Ottawa ON K1V 2P3	,	GEN
Generator No SIC Code: SIC Descripti Approval Yea PO Box No: Country:	o: ion: ars:	ON946319 As of Apr 2 Canada	98 2022		Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	Registered	

<u>Detail(s)</u>

Map Key	Number Records	of Direction/ s Distance (m)	Elev/Diff (m)	Site		DB
Waste Class Waste Class	: Desc:	312 P PATHOLOGICAL	WASTES			
<u>10</u>	1 of 2	E/83.2	89.9/-1.85	4209 LIMEBANK ROA OTTAWA ON	D	wwis
Well ID: Construction Use 1st: Use 2nd: Final Well St Water Type: Casing Mate Audit No: Tag: Constructn I Elevatin Relia Depth to Bed Well Depth: Overburden/ Pump Rate: Static Water Clear/Cloudy Municipality.	n Date: atus: rial: Method:): abilty: drock: //Bedrock: Level: /:	7040010 Not Used Abandoned-Other Z52538 OTTAWA CITY		Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: County: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	25-Jan-2007 00:00:00 TRUE Yes 7260 3 OTTAWA	
She mio: PDF URL (Ma	ap):	https://d2khazk8e	83rdv.cloudfront.ne	et/moe_mapping/downloads/2	2Water/Wells_pdfs/704\7040010.pdf	
<u>Additional D</u>	etail(s) (Map	<u>o)</u>				
Well Comple Year Comple Depth (m): Latitude: Longitude: Path:	eted Date: eted:	2006/11/24 2006 45.291973418160 -75.67291583712 704\7040010.pdf	19 07			
<u>Bore Hole In</u>	formation					
Bore Hole ID DP2BR: Spatial Statu Code OB: Open Hole: Cluster Kind Date Comple Remarks: Elevrc Desc: Location Sol Improvemen Source Revis Supplier Cor	2: IS: SC: Sted: Sted: Location St t Location N Sion Common Sion Common	11762326 24-Nov-2006 00:00:00 Source: Method: ent:		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	18 447234.00 5015606.00 UTM83 3 margin of error : 10 - 30 m wwr	
<u>Annular Spa</u> <u>Sealing Reco</u>	ce/Abandor ord	<u>nment</u>				
Plug ID: Layer:		933312634 2				

Map Key Number Records	of Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Plug From: Plug To: Plug Depth UOM:	6.75 7.619999885559082 m				
<u>Annular Space/Abandon</u> <u>Sealing Record</u>	<u>ment</u>				
Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:	933312633 1 0.0 6.75 m				
<u>Method of Construction</u> <u>Use</u>	<u>& Well</u>				
Method Construction ID: Method Construction Co Method Construction: Other Method Construct	967040010 Ide: A Digging ion:				
Pipe Information					
Pipe ID: Casing No: Comment: Alt Name:	11770016 1				
Hole Diameter					
Hole ID: Diameter: Depth From: Depth To: Hole Depth UOM: Hole Diameter UOM:	11848497 121.9199981689453 0.0 7.619999885559082 m cm	1			
<u>Links</u>					
Bore Hole ID: Depth M: Year Completed: Well Completed Dt: Audit No:	11762326 2006 2006/11/24 Z52538		Tag No: Contractor: Path: Latitude: Longitude:	7260 704\7040010.pdf 45.2919734181609 -75.6729158371207	
<u>10</u> 2 of 2	E/83.2	89.9 / -1.85	Ottawa-Carleton (4209 Limebank R Limebank Road a Ottawa ON	Catholic School Board d North-east corner of nd Spratt Road	CA
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description:	8630-7GVKEK 2008 8/8/2008 Municipal and Private Approved	e Sewage Works			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant Emission Co	ts: ntrol:				
<u>11</u>	1 of 1	S/84.7	91.9/0.15	737 OWLS CABIN AVENUE GLOUCESTER ON K1V 1W9	HINC
External File Fuel Occurre Date of Occu Fuel Type In Status Desc: Job Type De Oper. Type I Service Inter Property Dan Fuel Life Cyc Root Cause:	Num: ence Type: urrence: volved: sc: nvolved: ruptions: mage: cle Stage:	FS INC 0611-04131 Pipeline Strike 10/24/2006 Natural Gas Completed - Causal Incident/Near-Miss (Private Dwelling No No Utilization Root Cause: Equipn Management:No	Analysis(End) Dccurrence (FS) hent/Material/Cor Human Factors:Yi	nponent:No Procedures:No Maintenance:No Desig es	n:No Training:No
Reported De Fuel Categor Occurrence Affiliation: County Name Approx. Qua Nearby body Enter Draina Approx. Qua Environment	tails: ry: Type: e: nt. Rel: of water: ge Syst.: nt. Unit: tal Impact:	Gaseous Fuel Incident Industry Stakeholde Ottawa	r (Licensee/Regis	stration/Certificate Holder, Facility Owner, etc.)	

<u>12</u>	1 of 1	W/108.8	81.2 / -10.52	lot 16 con 1 ON		wwis
Well ID: Construction Use 1st: Use 2nd: Final Well Sta Water Type: Casing Mater Audit No: Tag: Constructn M Elevation (m, Elevatin Relia Depth to Bea Well Depth: Overburden// Pump Rate: Static Water Clear/Cloudy Municipality: Site Info:	n Date: atus: rial: /ethod:): bility: lrock: Bedrock: Level:	1501667 Domestic 0 Water Supply GLOUCESTER	2 TOWNSHIP	Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: County: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 17-Jul-1952 00:00:00 TRUE 3725 1 OTTAWA 016 01 RF	
PDF URL (Ma	ap):	https://d2khazk	8e83rdv.cloudfront.net	/moe_mapping/downloads	s/2Water/Wells_pdfs/150\1501667.pdf	
Additional De	etail(s) (Ma	<u>a)</u>				
Well Comple Year Comple Depth (m): Latitude:	ted Date: ted:	1952/02/27 1952 27.7368 45.289516047	1724			

Мар Кеу	Number of Records	<i>Direction/ Distance (m)</i>	Elev/Diff (m)	Site		DI
Longitude:		-75.693970130360	1			
raui.		150(1501067.pdf				
Bore Hole Info	ormation					
Bore Hole ID:	10023	5710		Elevation:		
DFZDR. Snatial Status				Zone:	18	
Spallai Status Code OR:				East83	445580 70	
Code OB. Code OB Des	· · ·			North83	5015347 00	
Onen Hole:	.			Ora CS:	5013547.00	
Cluster Kind [.]				UTMRC [.]	5	
Date Complet	ted: 27-Fel	b-1952 00:00:00		UTMRC Desc:	margin of error : 100 m - 300 m	
Remarks:				Location Method:	p5	
Elevrc Desc:					F -	
Location Sou	rce Date:					
Improvement	Location Source:	,				
Improvement	Location Method	:				
Source Revis	ion Comment:					
Supplier Com	iment:					
<u>Overburden a</u>	and Bedrock					
Materials Inte	rval					
Formation ID:	;	930992488				
Layer:		1				
Color:		8				
General Color	r:	BLACK				
Mat1:		02				
Most Commo Marío	n Material:	TOPSOIL				
Mat2: Mat2 Desc:						
Mat3: Mat3 Decer						
Mais Desc. Formation To	n Donth	0.0				
Formation Fn	d Depth:	2.0				
Formation En	d Depth UOM:	ft				
<u>Overburden a</u> Materials Inte	and Bedrock arval					
Formation ID:		030002480				
l aver:		2				
Color:		- 7				
General Color	r:	RED				
Mat1:		05				
Most Commo	n Material:	CLAY				
Mat2:						
Mat2 Desc:						
Mat3:						
Mat3 Desc:						
Formation To	p Depth:	2.0				
Formation En	d Deptn:	66.0 #				
Formation En	α Depth UOW:	π				
<u>Overburden a</u> Materials Inte	and Bedrock rval					
Formation ID:		930992490				
Layer:		3				
Color:						
General Color	r:					
	originfo com L 🗖	wiropmental Dist. 1.4	ormation Orm '		A- N 0000	200400
44	ensinio.com En	ivironmental Risk Inf	ormation Servic	Jes l	Order No: 22082	20436

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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat1: Most Commor Mat2: Mat2 Desc: Mat3: Mat3 Desc:	n Material:	11 GRAVEL			
Formation Tou	Depth:	66.0			
Formation En	d Denth:	91.0			
Formation End	d Depth UOM:	ft			
<u>Method of Cor</u> <u>Use</u>	nstruction & Well				
Method Const	ruction ID:	961501667			
Method Const	ruction Code:	1			
Method Const Other Method	ruction: Construction:	Cable Tool			
Pipe Informati	<u>on</u>	40570000			
Pipe ID:		10572280			
Casing No: Comment: Alt Name:		1			
Construction	Record - Casing				
Casing ID:		930040264			
Layer:		1			
Material:		1			
Open Hole or	Material:	STEEL			
Depth From:					
Depth To:		84.0			
Casing Diame	ter:	8.0			
Casing Diame	ter UOM:	inch			
Casing Depth	UOM:	π			
Results of We	ll Yield Testing	004504007			
Pump Test ID: Pump Set At:		991001667 25.0			
Final I aval Af	ter Pumping:	28.0			
Recommende	d Pump Depth:	_3.0			
Pumping Rate Flowing Rate:	:	2.0			
Recommende	d Pump Rate:				
Levels UOM:		ft			
Rate UOM:		GPM			
water State Al	rter Test Code:				
vvater State Al	Ter Test: Mothod:				
Pumping Test	metrioa. tion HP	1			
Pumning Dura	tion MIN [.]	0			
Flowing:		No			
<u>Water Details</u>					
Water ID:		933454391			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			

Map Key Numb Recor	er of Direc ds Dista	ction/ Elev/Dif ance (m) (m)	f Site		DB
Water Found Depth: Water Found Depth U	83.0 DM: ft				
<u>Links</u>					
Bore Hole ID: Depth M: Year Completed: Well Completed Dt: Audit No:	10023710 27.7368 1952 1952/02/27		Tag No: Contractor: Path: Latitude: Longitude:	3725 150\1501667.pdf 45.2895160471724 -75.6939701303601	
<u>13</u> 1 of 1	W/113.	3 81.2 / -10.	.54 lot 16 con 1 ON		wwis
Well ID: Construction Date: Use 1st: Use 2nd: Final Well Status: Water Type: Casing Material: Audit No: Tag: Constructn Method: Elevation (m): Elevation (m): Elevation (m): Elevation (m): Elevation (m): Elevation (m): Elevation (m): Elevation (m): Construction Method: Elevation (m): Elevation (m): Elevati	1504691 Domestic 0 Water Supply GLOUCI	ESTER TOWNSHIP 2khazk8e83rdv.cloudfro	Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: County: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 06-May-1957 00:00:00 TRUE 3113 1 OTTAWA 016 01 RF	
<u>Additional Detail(s) (M</u> Well Completed Date: Year Completed: Depth (m): Latitude: Longitude: Path:	(ap) 1957/05/ 1957 29.2608 45.2901 -75.6941 150\150	/02 903328038 058777888 4691.pdf			
Bore Hole Information					
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: Remarks: Elevrc Desc: Location Source Date. Improvement Location Improvement Location Source Revision Com	10026734 02-May-1957 00:0 5 5 Source: 5 Method: 5 ment:	0:00	Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	18 445570.70 5015422.00 5 margin of error : 100 m - 300 m p5	

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Supplier Com	ment:				
<u>Overburden a</u> <u>Materials Inte</u>	nd Bedrock rval				
Formation ID. Layer: Color: General Colo. Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc:	r: n Material:	931000185 5 2 GREY 15 LIMESTONE			
Formation To Formation En Formation En	p Depth: d Depth: d Depth UOM:	82.0 96.0 ft			
<u>Overburden a</u> <u>Materials Inte</u>	nd Bedrock rval				
Formation ID. Layer: Color: General Colo. Mat1: Most Commo Mat2: Mat2 Desc: Mat3:	r: n Material:	931000184 4 09 MEDIUM SAND			
Mat3 Desc: Formation To Formation En Formation En	p Depth: d Depth: d Depth UOM:	71.0 82.0 ft			
<u>Overburden a</u> <u>Materials Inte</u>	nd Bedrock rval				
Formation ID. Layer: Color: General Color Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation To Formation En	r: n Material: p Depth: d Depth: d Depth: d Depth UOM:	931000182 2 11 GRAVEL 09 MEDIUM SAND 50.0 65.0 ft			
<u>Overburden a</u> Materials Inte	nd Bedrock rval				
Formation ID. Layer: Color: General Colo. Mat1: Most Commo	r: n Material:	931000181 1 7 RED 05 CLAY			

	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
-	Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation To Formation End Formation End	p Depth: d Depth: d Depth UOM:	0.0 50.0 ft			
	<u>Overburden a</u> <u>Materials Inte</u>	<u>nd Bedrock</u> rval				
	Formation ID: Layer: Color: Coporal Color		931000183 3			
	Mat1: Most Common Mat2: Mat2 Desc:	n Material:	14 HARDPAN 11 GRAVEL			
	Mats: Mat3 Desc: Formation To Formation En Formation En	p Depth: d Depth: d Depth UOM:	65.0 71.0 ft			
	<u>Method of Col Use</u>	nstruction & Well				
	Method Const Method Const Method Const Other Method	truction ID: truction Code: truction: Construction:	961504691 1 Cable Tool			
	Pipe Informati	ion				
	Pipe ID: Casing No: Comment: Alt Name:		10575304 1			
	<u>Construction</u>	Record - Casing				
	Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame Casing Diame Casing Depth	Material: ter: ter UOM: UOM:	930046200 2 4 OPEN HOLE 96.0 4.0 inch ft			
	Construction	Record - Casing				
	Casing ID: Layer: Material: Open Hole or Depth From: Depth To:	Material:	930046199 1 1 STEEL 82.0			
	Casing Diame Casing Diame	ter: ter UOM:	4.0 inch			

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Map Key	Number Record	r of s	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Casing Depth	h UOM:		ft				
<u>Results of We</u>	ell Yield Te	esting					
Pump Test ID):		991504691				
Static Level:			14.0				
Final Level A Recommende	fter Pumpi ed Pump D	ng:)epth:	30.0				
Pumping Rat Flowing Rate	e: :		9.0				
Recommende Levels UOM:	ed Pump R	ate:	ft				
Rate UOM:			GPM				
Water State A	After Test C After Test	Code:	1 CLEAR				
Pumping Tes	at Method:		1				
Pumping Dur	ration HR:		1				
Pumping Dur Flowina:	ration MIN:		0 No				
5							
Water Details	5						
Water ID:			933457997				
Layer: Kind Codo:			1				
Kind:			SALTY				
Water Found	Depth:		96.0				
Water Found	Depth UO	<i>N</i> :	π				
<u>Links</u>							
Bore Hole ID:	:	1002673	34		Tag No:		
Depth M: Year Comple	ted:	29.2608 1957			Contractor: Path:	3113 150\1504691 pdf	
Well Complet	ted Dt:	1957/05/	/02		Latitude:	45.2901903328038	
Audit No:					Longitude:	-75.6941058777888	
14	1 of 1		W/113.3	81.2 / -10.54			
_					ON		BORE
Borehole ID:		612116			Inclin FLG:	No	
OGF ID:		2155134	25		SP Status:	Initial Entry	
Type:		Borehole	9		Piezometer:	No	
Use:					Primary Name:		
Completion L Static Water	Date: Level:	MAY-19	57		Municipality: Lot:		
Primary Wate	er Use:				Township:		
Sec. Water U	se:	20.3			Latitude DD:	45.290191 -75.694106	
Depth Ref:		Ground	Surface		UTM Zone:	18	
Depth Elev:					Easting:	445571	
Drill Method: Oria Ground	Elev m·	86.3			Northing: Location Accuracy:	5015422	
Elev Reliabil	Note:	20.0			Accuracy:	Not Applicable	
DEM Ground	Elev m:	87.8					
Location D:							
Survey D:							
Comments:							

Мар Кеу	Number Records	of	<i>Direction/ Distance (m)</i>	Elev/Diff (m)	Site	DB
Borehole Geo	ology Stratu	m				
Geology Strat Top Depth: Bottom Depth Material Color Material 1: Material 2: Material 3: Material 4: Gsc Material	tum ID: h: r: Description	218390092 0 15.2 White Clay	2		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Stratum Desc	ription:	C	CLAY. WHITE.			
Geology Strat Top Depth: Bottom Depth Material Color Material 1: Material 2: Material 3: Material 4:	tum ID: h: r:	218390093 15.2 19.8 Gravel Sand			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Stratum Desc	Description ription:	:	GRAVEL,SAND.			
Geology Strat Top Depth: Bottom Depth Material Color Material 1: Material 2: Material 3: Material 4:	tum ID: 'n: r:	218390095 21.6 25 Sand			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Gsc Material I Stratum Desc	Description ription:	:	SAND.			
Geology Strat Top Depth: Bottom Depth Material Color Material 1: Material 2: Material 3: Material 4:	tum ID: h: r:	218390096 25 29.3 Grey Limestone	i		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Gsc Material I Stratum Desc	Description ription:	: L	IMESTONE. GREY	. 00096ROCK. SE	EISMIC VELOCITY = 15000). BEDROCK. SEISMIC VELOCITY = 17000.
Geology Strat Top Depth: Bottom Depth Material Color Material 1: Material 2: Material 3: Material 4:	tum ID: n: r:	218390094 19.8 21.6 Gravel	I		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Hard
Gsc Material I Stratum Desc	Description cription:	: +	IARDPAN,GRAVEL			
<u>Source</u>						
Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name		Data Surve Geological 1956-1972	y Survey of Canada Jrban Geology Auto	mated Information	Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda: System (UGAIS)	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level
			3, 10		- 、 /	

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Order No: 22082204365

Мар Кеу	Numbe Record	er of Is	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Source Deta Confiden 1:	ils:		File: OTTAWA1.txt	RecordID: 04624	NTS_Sheet:		
Source List							
Source Iden Source Type Source Date Scale or Res	tifier: e: : :solution:	1 Data Sur 1956-197 Varies	vey 72		Horizontal Datum: Vertical Datum: Projection Name:	NAD27 Mean Average Sea Level Universal Transverse Mercator	
Source Nam Source Orig	e: inators:		Urban Geology Aut Geological Survey	omated Informati of Canada	on System (UGAIS)		
<u>15</u>	1 of 1		E/114.5	89.9 / -1.85	4269 LIMEBANK RO GLOUCESTER ON	AD lot 18 con 2	WWIS
Well ID:		1535501			Flowing (Y/N):		
Construction	n Date:	Descrite			Flow Rate:		
Use 1st: Use 2nd:		Domestic	;		Data Entry Status:		
Final Well St	tatus:	Water Su	ipply		Date Received:	26-May-2005 00:00:00	
Water Type:					Selected Flag:	TRUE	
Casing Mate	rial:	719837			Abandonment Rec:	4877	
Tag:		A019567			Form Version:	3	
Constructn l	Method:				Owner:	0	
Elevation (m): abilty:				County:	OTTAWA 018	
Depth to Bed	drock:				Concession:	02	
Well Depth:					Concession Name:		
Overburden/	Bedrock:				Easting NAD83:		
Static Water	Level:				Zone:		
Clear/Cloudy	y:				UTM Reliability:		
Municipality Site Info:	:		GLOUCESTER TO	WNSHIP			
PDF URL (M	ap):		https://d2khazk8e8	Brdv.cloudfront.ne	et/moe_mapping/downloads	/2Water/Wells_pdfs/153\1535501.pdf	
<u>Additional D</u>	etail(s) (Ma	<u>ap)</u>					
Well Comple	eted Date:		2005/03/15				
Year Comple	eted:		2005				
Depth (m):			58.52 45 2002805808572				
Longitude:			-75.6714804022110	6			
Path:			153\1535501.pdf				
<u>Bore Hole In</u>	formation						
Bore Hole ID):	11316040	0		Elevation:		
DP2BR:					Elevrc:	10	
Spatial Statu Code OB:	15:				∠one: East83:	10 447345.00	
Code OB De	sc:				North83:	5015418.00	
Open Hole:					Org CS:	UTM83	
Cluster Kind	: eted:	15-Mar-2	005 00.00.00		UTMRC: UTMRC Desc:	4 margin of error : 30 m - 100 m	
Remarks:		10-Ivial-2	000 00.00.00		Location Method:	wwr	
Elevrc Desc	-						
Location Sol	urce Date:	Source					
Improvemen	t Location	Method:					
	originfo c		onmental Pick Infr	rmation Service	05	Order No: 2209	2201265
51	<u>61131110.0</u>			Minauon Servic	63		12204000

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Source Revis Supplier Con	sion Comment: nment:				
<u>Overburden a</u> Materials Inte	and Bedrock erval				
Formation ID	2	932996499			
Layer:		5			
General Colo	or:	2 GREY			
Mat1:		18			
Most Commo	on Material:	SANDSTONE			
Mat2: Mat2 Desc:		HARD			
Mat3:					
Mat3 Desc:	n Donth	40.0040000765625			
Formation To	nd Depth:	58.52000045776367			
Formation E	nd Depth UOM:	m			
<u>Overburden</u>	and Bedrock				
Materials Inte	<u>erval</u>				
Formation ID	2	932996497			
Layer: Color:		3			
General Colo	or:	GREY			
Mat1:		05			
Most Commo	on Material:	CLAY 11			
Mat2 Desc:		GRAVEL			
Mat3:		79 DA OKED			
Mat3 Desc: Formation Tr	n Denth:	PACKED 13 72000026702880	٩		
Formation E	nd Depth:	17.06999969482422	0		
Formation E	nd Depth UOM:	m			
<u>Overburden a</u> Materials Inte	and Bedrock erval				
Formation ID	2	932996496			
Layer:		2			
General Colo	or:	∠ GREY			
Mat1:		05			
Most Commo	on Material:	CLAY			
Mat2 Desc:		SOFT			
Mat3:					
Mat3 Desc:	n Denth:	8 520000732071101			
Formation E	nd Depth:	13.72000026702880	9		
Formation E	nd Depth UOM:	m			
<u>Overburden a</u> Materials Inte	and Bedrock erval				
Formation ID	2	932996498			
Layer:		4			
Color:		2 CREV			
General Colo Mat1:	<i></i>	985 15			
		-			

Map Key Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	LIMESTONE 73 HARD 17.06999969482422 49.9010009765625 m			
<u>Overburden and Bedrock</u> <u>Materials Interval</u>				
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc:	932996495 1 6 BROWN 05 CLAY 79 PACKED			
Formation Top Depth: Formation End Depth: Formation End Depth UOM:	0.0 8.529999732971191 m			
<u>Method of Construction & Well</u> <u>Use</u>				
Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	961535501 4 Rotary (Air)			
Pipe Information				
Pipe ID: Casing No: Comment: Alt Name:	11330895 1			
Construction Record - Casing				
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	930855315 2 4 OPEN HOLE 18.44000053405761 58.52000045776367 cm m	7		
Construction Record - Casing				
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter:	930855314 1 0.0 18.44000053405761 15.88000011444091	7 8		

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Casing Diame	eter UOM:	cm				
Casing Depth	UOM:	m				
Results of We	ell Yield Testing					
Dumm Toot ID		11245464				
Pump Set At:	•	50.0				
Static Level:		3.49000009536743				
Final Level Af	ter Pumping:	3.744999885559082				
Recommende	d Pump Depth:	40.0 45.0				
Flowing Rate:	7	43.0				
Recommende	d Pump Rate:	45.0				
Levels UOM:		m				
Rate UOM: Water State A	fter Test Code	LPINI				
Water State A	fter Test:					
Pumping Tes	t Method:	1				
Pumping Dura	ation HR:	1				
Flowina:						
5						
Draw Down &	Recovery					
<u>Dian Donn a</u>	Recovery					
Pump Test De	etail ID:	11387421				
Test Type: Test Duration		Draw Down				
Test Level:	•	3.769999980926513	7			
Test Level UC	DM:	m				
<u>Draw Down &</u>	<u>Recovery</u>					
Pump Test De	etail ID:	11387412				
Test Type:		Draw Down				
Test Duration	:	25	_			
Test Level:	л <i>л-</i>	3.704999923706054 m	/			
Test Level De						
Draw Down &	Recovery					
	Recovery					
Pump Test De	etail ID:	11387425				
Test Type:		Draw Down				
Test Level:	•	3.690000057220459				
Test Level UC	ОМ:	m				
<u>Draw Down &</u>	Recovery					
Pumn Tost Da	atail ID:	11387410				
Test Type:		Recovery				
Test Duration	:	60				
Test Level:	NA-	3.299999952316284				
rest Level UC	////.					
Draw Down &	<u>Recovery</u>					
Pump Test De	etail ID:	11387419				
Test Type:		Recovery				
Test Duration	:	20				
rest Level:		J.ZJJJJJJJZJ10284				

Test Level UOM: 54

m

Draw Down & Recovery

Pump Test Detail ID:	11387423
Test Type:	Draw Down
Test Duration:	5
Test Level:	3.7200000286102295
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11387426
Test Type:	Recovery
Test Duration:	10
Test Level:	3.299999952316284
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11387428
Test Type:	Recovery
Test Duration:	1
Test Level:	3.3499999046325684
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11387415
Test Type:	Recovery
Test Duration:	30
Test Level:	3.299999952316284
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11387422
Test Type:	Recovery
Test Duration:	4
Test Level:	3.299999952316284
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11387407
Test Type:	Recovery
Test Duration:	40
Test Level:	3.299999952316284
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11387411
Test Type:	Recovery
Test Duration:	25
Test Level:	3.299999952316284
Test Level UOM:	m

Draw Down & Recovery

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test D Test Type: Test Duration Test Level: Test Level U	etail ID:):)M:	11387420 Recovery 3 3.309999942779541			
	Boooveru				
Diaw Dowii d	Recovery				
Pump Test D Test Type: Test Duratior Test Level: Test Level U	etail ID:): DM:	11387405 Draw Down 30 3.7149999141693119 m	5		
Draw Down &	Recovery				
Pump Test D Test Type: Test Duratior Test Level: Test Level U(etail ID: n: DM:	11387404 Draw Down 1 3.8499999904632568 m	4		
<u>Draw Down 8</u>	Recovery				
Pump Test D Test Type: Test Duratior Test Level: Test Level U(etail ID: n: DM:	11387409 Recovery 50 3.299999952316284 m			
<u>Draw Down 8</u>	Recovery				
Pump Test D Test Type: Test Duratior Test Level: Test Level U(etail ID: :: DM:	11387414 Draw Down 4 3.740000009536743 m			
<u>Draw Down 8</u>	Recovery				
Pump Test D Test Type: Test Duratior Test Level: Test Level U(etail ID: :: DM:	11387406 Draw Down 40 3.730000019073486 m	3		
<u>Draw Down 8</u>	Recovery				
Pump Test D Test Type: Test Duratior Test Level: Test Level UC	etail ID: :: DM:	11387418 Recovery 15 3.299999952316284 m			
<u>Draw Down 8</u>	Recovery				
Pump Test D Test Type: Test Duratior Test Level:	etail ID: n:	11387427 Draw Down 15 3.694999933242798			

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level U	ОМ:	m			
Draw Down a	& Recovery				
Pump Test D Test Type: Test Duration Test Level: Test Level U	Detail ID: n: OM:	11387429 Draw Down 20 3.700000047683716 m			
Draw Down a	& Recoverv				
Pump Test D	Detail ID:	11387/13			
Test Type: Test Duration Test Level: Test Level II	n: OM·	11307413 Draw Down 60 3.7449998855559082 m			
Test Level 0	Om.				
<u>Draw Down a</u>	<u>& Recovery</u>				
Pump Test D Test Type: Test Duration Test Level: Test Level U	Detail ID: n: OM:	11387416 Recovery 2 3.329999923706054 m	7		
<u>Draw Down a</u>	& Recovery				
Pump Test D Test Type: Test Duration Test Level: Test Level U	Petail ID: n: OM:	11387417 Draw Down 2 3.809999942779541 m			
<u>Draw Down a</u>	<u>& Recovery</u>				
Pump Test D Test Type: Test Duration Test Level: Test Level U	Detail ID: n: OM:	11387424 Recovery 5 3.299999952316284 m			
<u>Draw Down a</u>	& Recovery				
Pump Test D Test Type: Test Duration Test Level: Test Level U	Detail ID: n: OM:	11387408 Draw Down 50 3.734999895095825 m			
<u>Water Details</u>	S				
Water ID: Layer: Kind Code: Kind: Water Found	I Depth:	934060182 1 55.97999954223633			
Water Found	I Depth UOM:	m			
57	erisinfo.com Er	nvironmental Risk Infor	mation Service	es	Order No: 22082204365

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Hole Diameter	•					
Hole ID: Diameter: Depth From: Depth To: Hole Depth UC Hole Diameter	DM: · UOM:	11533542 25.07999992370605 0.0 18.44000053405767 m cm	55			
Hole Diameter	ŗ					
Hole ID: Diameter: Depth From: Depth To: Hole Depth UC Hole Diameter	DM: · UOM:	11533541 15.55000019073488 18.44000053405767 58.52000045776367 m cm	63 17 7			
<u>Links</u>						
Bore Hole ID: Depth M: Year Complete Well Complete Audit No:	11: 58 ed: 20 ed Dt: 20 Z1	316040 3.52 005 005/03/15 19837		Tag No: Contractor: Path: Latitude: Longitude:	A019567 4877 153\1535501.pdf 45.2902895898572 -75.6714804022116	
<u>16</u>	1 of 1	W/122.4	81.1/-10.64	lot 16 con 1 ON		wwis
Well ID: Construction I Use 1st: Use 2nd: Final Well Stat Water Type: Casing Materia Audit No: Tag: Constructn Me Elevation (m): Elevatn Reliab Depth to Bedru Well Depth: Overburden/Bi Pump Rate: Static Water Li Clear/Cloudy: Municipality: Site Info:	15 Date: Do 0 tus: Wa al: ethod: ock: edrock: evel: o):	501669 omestic ater Supply GLOUCESTER TOW https://d2khazk8e83	VNSHIP rdv.cloudfront.ne	Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: County: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 14-Dec-1966 00:00:00 TRUE 1503 1 OTTAWA 016 01 RF	
· _ · · · · · · · · · · · · · · · · · ·	-)-				paid, 1001001001.pai	
<u>Additional Det</u> Well Complete Year Complete Depth (m): Latitude: Longitude: Path:	<u>tail(s) (Map)</u> ed Date: ed:	1966/10/05 1966 30.48 45.2904153529532 -75.6941086225305 150\1501669.pdf				

Bore Hole Information

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc Open Hole: Cluster Kind: Date Complete Remarks: Elevrc Desc: Location Sour Improvement I Source Revisit Supplier Com	1002371 : ed: 05-Oct-1 ce Date: Location Source: Location Method: on Comment: ment:	2 966 00:00:00		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	18 445570.70 5015447.00 5 margin of error : 100 m - 300 m p5	
<u>Overburden ar</u> <u>Materials Inter</u>	nd Bedrock val					
Formation ID: Layer: Color: General Color: Mat1:		930992496 3 14				
Most Common Mat2: Mat2 Desc: Mat3: Mat3 Desc:	n Material:	HARDPAN				
Formation Top Formation End Formation End	o Depth: 1 Depth: 1 Depth UOM:	75.0 82.0 ft				
<u>Overburden ar</u> <u>Materials Inter</u>	<u>nd Bedrock</u> val					
Formation ID: Layer: Color: General Color: Mat1: Most Common Mat2: Mat2 Desc: Mat3:	: n Material:	930992495 2 14 HARDPAN 13 BOULDERS				
Mat3 Desc: Formation Top Formation End Formation End	o Depth: 1 Depth: 1 Depth UOM:	45.0 75.0 ft				
<u>Overburden ar</u> Materials Inter	<u>nd Bedrock</u> val					
Formation ID: Layer: Color: General Color: Mat1: Most Common Mat2: Mat2 Desc: Mat3:	: Material:	930992494 1 05 CLAY				

Map Key Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	0.0 45.0 ft			
Overburden and Bedrock Materials Interval				
Formation ID: Layer: Color: General Color:	930992497 4			
Mat1: Most Common Material: Mat2: Mat2 Desc: Mat2:	18 SANDSTONE			
Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	82.0 100.0 ft			
Method of Construction & Well Use				
Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	961501669 1 Cable Tool			
Pipe Information				
Pipe ID: Casing No: Comment: Alt Name:	10572282 1			
Construction Record - Casing				
Casing ID: Layer: Material: Open Hole or Material:	930040267 2 4 OPEN HOLE			
Depth From: Depth To: Casing Diameter: Casing Diameter UOM:	100.0 5.0 inch			
Casing Depth UOM:	ft			
Construction Record - Casing				
Casing ID: Layer: Material: Open Hole or Material: Dopth Ecom:	930040266 1 1 STEEL			
Depth To: Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	86.0 5.0 inch ft			

Map Key	Numbe Record	r of s	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Results of W	ell Yield Te	sting					
Pump Test ID Pump Set At: Static Level: Final Level A): fter Pumpi	ng:	991501669 37.0 47.0				
Recommende Pumping Rat Flowing Rate Recommende Levels UOM:	ed Pump D e: : ed Pump R	epth: ate:	80.0 10.0 5.0 ft				
Rate UOM: Water State A Water State A Pumping Tes Pumping Dur	After Test (After Test: After Method: Tation HR:	Code:	GPM 2 CLOUDY 1 2				
Pumping Dur Flowing: Water Details	ration MIN:		0 No				
Water ID: Layer: Kind Code: Kind: Water Found Water Found	Depth: Depth UO	М:	933454393 1 1 FRESH 98.0 ft				
<u>Links</u>							
Bore Hole ID. Depth M: Year Comple Well Complet Audit No:	ted: ted Dt:	1002371 30.48 1966 1966/10/	2 /05		Tag No: Contractor: Path: Latitude: Longitude:	1503 150\1501669.pdf 45.2904153529532 -75.6941086225305	
<u>17</u>	1 of 1		ESE/128.1	89.9 / -1.85	PIPELINE HIT 4460 LIMEBANK ROA CA ON	D,,OTTAWA,ON,K1V 2N8,	PINC
Incident Id: Incident No: Incident Repo Type: Status Code: Tank Status: Task No: Spills Action Fuel Type: Fuel Occurre Date of Occu Occurrence S Depth: Customer Act Incident Adda Operation Typ Pipeline Type Regulator Typ Summary: Reported By: Affiliation: Occurrence I	Centre: Centre: nce Tp: rrence: Start Dt: ct Name: ress: pe: s: pe: pe:	957718 12/4/201 FS-Pipel Pipeline	2 ine Incident Damage Reason Est PIPELINE HIT 4460 LIMEBANK RO	DAD,,OTTAWA,ON	Pipe Material: Fuel Category: Health Impact: Environment Impact: Property Damage: Service Interrupt: Enforce Policy: Public Relation: Pipeline System: PSIG: Attribute Category: Regulator Location: Method Details:		

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

Notes:

19 10	f 1	W//125 5	80.0 / -10.85		
<u>10</u> 70	, ,	W/135.5	80.97-10.85	ON	BORE
Porobolo ID:	612114			Inclin ELC:	No
DOCE ID:	012114	102		SP Status:	
Status:	210010-	+23		Sr Status. Surv Elov:	No
Julus. Type:	Borehol	۵		Suiv Liev. Piezometer:	No
lise.	Derenor	0		Primary Name	110
Completion Date:	JUN-19	54		Municipality:	
Static Water Leve	el:			Lot:	
Primary Water Us	se:			Township:	
Sec. Water Use:				Latitude DD:	45.288933
Total Depth m:	25.6			Longitude DD:	-75.693836
Depth Ref:	Ground	Surface		UTM Zone:	18
Depth Elev:				Easting:	445591
Drill Method:				Northing:	5015282
Orig Ground Elev	/ m: 86.9			Location Accuracy:	
Elev Reliabil Note) :			Accuracy:	Not Applicable
DEM Ground Elev	7 m: 87.8				
Concession:					
Location D:					
Survey D:					
Comments:					
Borehole Geoloa	v Stratum				
<u>Denenic Cooleg</u>	<u>y otratam</u>				
Geology Stratum	ID: 2183900	089		Mat Consistency:	
Top Depth:	21.3			Material Moisture:	
Bottom Depth:	25.6			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 Des	cription:				
Stratum Descript	ion:	GRAVEL. 0007	000107SEISMIC VEL	OCITY = 6100. BEDROCK	. SEISMIC VELOCITY = 15000. BEDROCK. S
		inote: Many re	ecords provided by the	department have a truncat	ed [Stratum Description] field.
Geology Stratum	D. 2183000	188		Mat Consistency:	Hard
Ton Denth	12.2100000			Material Moisture	
Bottom Denth	21.3			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 Des	cription:			-	
Stratum Descript	ion:	SAND,HARDPA	AN.		
0	ID 0400000	07		Mar Ormal 1	
Geology Stratum	וש: 2183900	191		Mat Consistency:	
i op Depth:	0			Material Moisture:	
Боттот Deptn: Meterial Calar	12.2			waterial lexture:	
Material Color:	Clay			Goologio Eormotica	
Material 1:	Ciay			Geologic Formation:	
Material 2: Material 2:				Geologic Group: Geologic Pariod:	
Material 4				Depositional Gen	
Gsc Material Des	cription:			Depositional Gen.	
Stratum Descript	ion:	CLAY. WHITE.			

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Stratum Description:

Map Key	Number Record	r of s	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
<u>Source</u>							
Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name Source Detail Confiden 1:	: :: Is:	Data Surve Geological 1956-1972 I	ey Survey of Canada 2 Urban Geology Auto File: OTTAWA1.txt F	mated Information RecordID: 04622↑	Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda: System (UGAIS) NTS_Sheet:	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level	
Source List							
Source Identi Source Type: Source Date: Scale or Reso Source Name Source Origin	ifier: : olution: o: nators:	1 Data Surve 1956-1972 Varies	ey 2 Urban Geology Auto Geological Survey o	mated Information f Canada	Horizontal Datum: Vertical Datum: Projection Name: n System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator	
<u>19</u>	1 of 1		W/135.6	80.9/-10.85	lot 16 con 1 ON		wwis
Well ID: Construction Use 1st: Use 2nd: Final Well Sta Water Type: Casing Mater Audit No: Tag: Constructn M Elevation (m) Elevatn Relia Depth to Bed Well Depth: Overburden/H Pump Rate: Static Water I Clear/Cloudy Municipality: Site Info:	Date: atus: rial: fethod: bilty: rock: Bedrock: Level: ;	1501668 Domestic 0 Water Sup	ply GLOUCESTER TOV	VNSHIP	Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: County: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 12-Jul-1955 00:00:00 TRUE 3113 1 OTTAWA 016 01 RF	
PDF URL (Ma	ıp):	ł	nttps://d2khazk8e83	rdv.cloudfront.net	/moe_mapping/downloads/	2Water/Wells_pdfs/150\1501668.pdf	
Additional De Well Complet Year Complet Depth (m): Latitude: Longitude: Path: Bore Hole Inf	etail(s) (Ma ted Date: ted: ted: <u>formation</u>	<u>p)</u>	1954/06/07 1954 25.6032 45.2889317693683 -75.6938354836541 150\1501668.pdf				
Bore Hole ID: DP2BR: Spatial Status Code OB: Code OB Des	: s: sc:	10023711			Elevation: Elevrc: Zone: East83: North83:	18 445590.70 5015282.00	

Order No: 22082204365

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		D
Open Hole: Cluster Kind: Date Complex Remarks: Elevrc Desc: Location Sou Improvement Improvement Source Revis Supplier Com	ted: 07-Jun- Irce Date: Location Source: Location Method: ion Comment: Iment:	-1954 00:00:00		Org CS: UTMRC: UTMRC Desc: Location Method:	5 margin of error : 100 m - 300 m p5	
<u>Overburden a</u> <u>Materials Inte</u>	and Bedrock erval					
Formation ID Layer: Color: General Colo Mat1:	: r:	930992492 2 09				
Most Commo Mat2: Mat2 Desc:	n Material:	MEDIUM SAND 14 HARDPAN				
Mat3: Mat3 Desc: Formation To Formation Er Formation Er	op Depth: ad Depth: ad Depth UOM:	40.0 70.0 ft				
<u>Overburden a</u> <u>Materials Inte</u>	and Bedrock erval					
Formation ID Layer: Color: General Colo Mat1: Most Commo Mat2: Mat2 Desc:	: r: n Material:	930992493 3 11 GRAVEL				
Mat3: Mat3 Desc: Formation To Formation Er Formation Er	op Depth: nd Depth: nd Depth UOM:	70.0 84.0 ft				
<u>Overburden a</u> <u>Materials Inte</u>	and Bedrock erval					
Formation ID Layer: Color: General Colo Mat1: Most Commo Mat2: Mat2 Desc: Mat3: Mat3 Desc:	: r: n Material:	930992491 1 7 RED 05 CLAY				
Formation To Formation Er Formation Er	op Depth: nd Depth: nd Depth UOM:	0.0 40.0 ft				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method of Co Use	nstruction & Well				
Method Cons Method Cons Method Cons Other Method	truction ID: truction Code: truction: l Construction:	961501668 1 Cable Tool			
Pipe Informat	ion				
Pipe ID: Casing No: Comment: Alt Name:		10572281 1			
<u>Construction</u>	Record - Casing				
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame Casing Diame Casing Depth	Material: eter: eter UOM: UOM:	930040265 1 1 STEEL 84.0 4.0 inch ft			
Results of We	ell Yield Testing				
Pump Test ID Pump Set At: Static Level At Final Level At Recommende Pumping Rate Recommende Levels UOM: Rate UOM: Water State A Water State A Pumping Tes Pumping Dur Flowing:	: ter Pumping: ed Pump Depth: e: ed Pump Rate: fter Test Code: fter Test: t Method: ation HR: ation MIN:	991501668 6.0 18.0 3.0 ft GPM 1 CLEAR 1 0 30 No			
<u>Water Details</u> Water ID: Layer: Kind Code: Kind: Water Found Water Found	Depth: Depth UOM:	933454392 1 1 FRESH 70.0 ft			
<u>Links</u>					
Bore Hole ID:	100237	11		Tag No:	

	10023711	Tay NO.	
Depth M:	25.6032	Contractor:	3113
Year Completed:	1954	Path:	150\1501668.pdf
Well Completed Dt:	1954/06/07	Latitude:	45.2889317693683
Audit No:		Longitude:	-75.6938354836541

Map Key	Number Records	of Dire Dist	ction/ ance (m)	Elev/Diff (m)	Site		DB
<u>20</u>	1 of 1	W/155	.3	81.0/-10.76	lot 16 con 1 ON		WWIS
Well ID: Construction Use 1st: Use 2nd: Final Well St Water Type: Casing Mate Audit No: Tag: Constructn I Elevation (m Elevatin Relia Depth to Beo Well Depth: Overburden/ Pump Rate: Static Water Clear/Cloudy Municipality. Site Info:	n Date: atus: rial: Method:): abilty: drock: Bedrock: Level: ':	1501665 Domestic Water Supply GLOUC	ESTER TO	WNSHIP	Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: County: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 05-Nov-1956 00:00:00 TRUE 1603 1 OTTAWA 016 01 RF	
PDF URL (Ma	ap):	https://d	2khazk8e8	3rdv.cloudfront.ne	t/moe_mapping/downloads	/2Water/Wells_pdfs/150\1501665.pdf	
Additional D Well Comple Year Comple Depth (m): Latitude: Longitude: Path:	<u>etaii(s) (Map</u> ted Date: ted:	2 1956/07 1956 33.2232 45.2908 -75.694 150\150	/11 650057179 1778703204 1665.pdf	4			
<u>Bore Hole In</u>	formation						
Bore Hole ID DP2BR: Spatial Statu Code OB: Code OB De: Open Hole: Cluster Kind Date Comple Remarks: Elevrc Desc: Location Soo Improvemen Improvemen Source Revis	: sc: sc: teted: urce Date: t Location S t Location N sion Comme	10023708 11-Jul-1956 00:00 Source: Method: ent:	:00		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	18 445565.70 5015497.00 5 margin of error : 100 m - 300 m p5	

Overburden and Bedrock Materials Interval

Formation ID:	930992483
Layer:	3
Color:	
General Color:	
Mat1:	13

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Most Common Mat2: Mat2 Desc: Mat3: Mat3 Desc:	n Material:	BOULDERS 11 GRAVEL			
Formation Top Formation End Formation End	o Depth: d Depth: d Depth UOM:	61.0 79.0 ft			
<u>Overburden a</u> <u>Materials Inter</u>	<u>nd Bedrock</u> rval				
Formation ID: Layer: Color: General Color	:	930992482 2			
Mat1: Most Common Mat2: Mat2 Desc: Mat3:	n Material:	09 MEDIUM SAND			
Mats Desc: Formation Toj Formation End Formation End	o Depth: d Depth: d Depth UOM:	58.0 61.0 ft			
<u>Overburden a</u> Materials Inter	<u>nd Bedrock</u> rval				
Formation ID: Layer: Color: General Color Mat1: Most Commol Mat2:	: n Material:	930992484 4 18 SANDSTONE			
Mat2 Desc: Mat3: Mat3 Desc: Formation Top Formation End Formation End	o Depth: d Depth: d Depth UOM:	79.0 109.0 ft			
<u>Overburden a</u> <u>Materials Inte</u>	<u>nd Bedrock</u> rval				
Formation ID: Layer: Color: General Color Mat1: Most Common Mat2: Mat2 Desc: Mat3:	: n Material:	930992481 1 3 BLUE 05 CLAY			
Mat3 Desc: Formation Top Formation End Formation End	o Depth: d Depth: d Depth UOM:	0.0 58.0 ft			

Method of Construction & Well Use

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Cons Method Cons	struction ID: struction Code:	961501665 1			
Method Cons Other Metho	struction: d Construction:	Cable Tool			
<u>Pipe Informa</u>	<u>tion</u>				
Pipe ID: Casing No:		10572278 1			
Comment: Alt Name:					
<u>Constructior</u>	n Record - Casing				
Casing ID:		930040260			
Layer: Material:		1			
Open Hole of Depth From:	r Material:	STEEL			
Depth To:		79.0			
Casing Diam Casing Diam	eter: eter UOM:	3.0 inch			
Casing Dept	h UOM:	ft			
<u>Constructior</u>	<u> Record - Casing</u>				
Casing ID:		930040261			
Layer: Material:		2			
Open Hole of Depth From:	r Material:	OPEN HOLE			
Depth From. Depth To:		109.0			
Casing Diam	eter: eter UOM:	3.0 inch			
Casing Dept	h UOM:	ft			
<u>Results of W</u>	ell Yield Testing				
Pump Test IL	D:	991501665			
Pump Set At Static Level:	:	13.0			
Final Level A	fter Pumping:	28.0			
Pumping Rat	te:	4.0			
Flowing Rate	ed Pump Rate:				
Levels UOM:	cu r ump rute.	ft			
Rate UOM: Water State	After Test Code [.]	GPM 1			
Water State	After Test:	CLEAR			
Pumping Tes Pumping Du	st Method: ration HR:	1			
Pumping Du	ration MIN:	0			
Flowing:		No			
Water Details	5				
Water ID:		933454389 1			
Kind Code:		1			
Kind:		FRESH			
00	erisinfo.com Env	/ironmental Risk Info	rmation Service	S	Order No: 22082204365
68				-	

Мар Кеу	Numbe Record	r of Is	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Water Found	Depth:	1	09.0				
Water Found	Depth UO	M: ft					
<u>Links</u>							
Bore Hole ID:		10023708			Tag No:		
Depth M:		33.2232			Contractor:	1603	
Year Complet	ted:	1956			Path:	150\1501665.pdf	
Well Complet	ed Dt:	1956/07/11			Latitude:	45.2908650057179	
Audit No:					Longitude:	-75.6941778703204	
<u>21</u>	1 of 1		W/155.4	81.0 / -10.76	ON		BORE
Borehole ID:		612118			Inclin FLG:	No Initial Entry	
OGF ID: Status:		210013427			SP Status: Surv Flov:	No	
Type:		Borehole			Piezometer:	No	
Use:					Primary Name:		
Completion D	Date:	JUL-1956			Municipality:		
Static Water I	Level:				Lot:		
Primary Wate	er Use:				Township:	45 200866	
Sec. Water Us	se:	33.2			Latitude DD:	45.290600	
Depth Ref:	1.	Ground Sur	face		UTM Zone:	18	
Depth Elev:					Easting:	445566	
Drill Method:					Northing:	5015497	
Orig Ground	Elev m:	85.3			Location Accuracy:		
Elev Reliabil I	Note: Elov m:	86.6			Accuracy:	Not Applicable	
Concession:	Liev III.	00.0					
Location D:							
Survey D:							
Comments:							
Borehole Geo	ology Strat	<u>tum</u>					
Geology Stra	tum ID:	218390101			Mat Consistency:		
Top Depth:	cum ib.	0			Material Moisture:		
Bottom Depth	h:	17.7			Material Texture:		
Material Colo	r:	Blue			Non Geo Mat Type:		
Material 1:		Clay			Geologic Formation:		
Material 2:					Geologic Group:		
Material 3: Material 4:					Geologic Period: Depositional Gen:		
Gsc Material	Descriptio	on:			Depositional Gen.		
Stratum Desc	ription:	C	LAY. BLUE.				
Geology Stra	tum ID:	218390103			Mat Consistency:		
Top Depth:	cum ib.	18.6			Material Moisture:		
Bottom Depth	h:	24.1			Material Texture:		
Material Colo	r:				Non Geo Mat Type:		
Material 1:		Boulders			Geologic Formation:		
Material 2:		Gravel			Geologic Group:		
Material 4:					Depositional Gen:		
Gsc Material	Descriptio	on:					
Stratum Desc	ription:	В	OULDERS,GRAV	EL.			
Geology Stra	tum ID [.]	218390102			Mat Consistency:		
Top Depth:		17.7			Material Moisture:		
Bottom Depth	h:	18.6			Material Texture:		
Material Colo	r:				Non Geo Mat Type:		

Мар Кеу	Number Records	r of S	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 1: Material 2: Material 3: Material 4:	Description	Sand			Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Gsc Material Stratum Desc	Description cription:	n: S	SAND.			
Geology Strat Top Depth: Bottom Depth Material Color Material 1: Material 2: Material 3: Material 3: Gsc Material 4 Stratum Desc	tum ID: h: r: Description cription:	218390104 24.1 33.2 Grey Sandstone	SANDSTONE. 0010	9STONE. GREY s provided by the	Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: 7. 00091ROCK. SEISMIC VE	LOCITY = 15000. BEDROCK. SEISMIC VEL ed [Stratum Description] field.
<u>Source</u> Source Type:		Data Surve	₽V		Source Appl:	Spatial/Tabular
Source Orig: Source Date: Confidence: Observatio: Source Name Source Detail Confiden 1:	: Is:	Geological 1956-1972	Survey of Canada Jrban Geology Auto File: OTTAWA1.txt F	mated Informatio RecordID: 04626	Source Iden: Scale or Res: Horizontal: Verticalda: on System (UGAIS) NTS_Sheet:	1 Varies NAD27 Mean Average Sea Level
Source List						
Source Identi Source Type: Source Date: Scale or Reso Source Name Source Origin	ifier: olution: o: nators:	1 Data Surve 1956-1972 Varies L	₽y Jrban Geology Auto Seological Survey o	mated Informatio f Canada	Horizontal Datum: Vertical Datum: Projection Name: on System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator
<u>22</u>	1 of 1		E/155.8	89.9 / -1.85	4269 LIMEBANK RD OTTAWA ON	wwis
Well ID: Construction Use 1st: Use 2nd: Final Well Sta Water Type: Casing Mater Audit No: Tag: Constructn M Elevation (m). Elevatn Relial Depth to Bedi Well Depth: Overburden/E Pump Rate: Static Water L Clear/Cloudy: Municipality: Site Info:	Date: atus: ial: lethod: : bilty: rock: Bedrock: Level: :	1536379 Domestic Abandoned Z45501	J-Other GLOUCESTER TOV	VNSHIP	Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: County: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	06-Jun-2006 00:00:00 TRUE Yes 6894 3 OTTAWA

Map Key Numbe Record	r of Direction/ s Distance (m)	Elev/Diff S (m)	lite		DB
PDF URL (Map):	https://d2khazk8e83	rdv.cloudfront.net/moe_r	mapping/downloads/2	Water/Wells_pdfs/153\1536379.pdf	
Additional Detail(s) (Ma	<u>p)</u>				
Well Completed Date: Year Completed: Depth (m): Latitude: Longitude: Path:	2006/04/27 2006 45.2905261600945 -75.6710496084116 153\1536379.pdf				
Bore Hole Information					
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: Remarks: Elevrc Desc: Location Source Date: Improvement Location	11550445 27-Apr-2006 00:00:00 Source:	Elev Elev Zon Eas Nord Org UTM UTM Loca	vation: vrc: e: t83: th83: CS: IRC: IRC Desc: ation Method:	18 447379.00 5015444.00 G83a 3 margin of error : 10 - 30 m wwr	
Improvement Location Source Revision Comm Supplier Comment:	Method: ent:				
<u>Method of Construction</u> <u>Use</u>	n & Well				
Method Construction IE Method Construction C Method Construction: Other Method Construc	0: 961536379 ode: tion:				
Pipe Information					
Pipe ID: Casing No: Comment: Alt Name:	11560052 1				
Hole Diameter					
Hole ID: Diameter: Depth From: Depth To: Hole Depth UOM: Hole Diameter UOM:	11681152 20.0 0.0 7.0 m cm				
<u>Links</u>					
Bore Hole ID: Depth M: Year Completed: Well Completed Dt: Audit No:	11550445 2006 2006/04/27 Z45501	Tag Con Patf Lati Lon	No: tractor: h: tude: gitude:	6894 153\1536379.pdf 45.2905261600945 -75.6710496084116	

Мар Кеу	Numbe Record	er of Is	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
23	1 of 1		W/167.5	80.8 / -10.89	lot 16 con 1 ON		WWIS
Well ID:		1500289			Flowing (Y/N):		
Constructio	n Date:				Flow Rate:		
Use 1st:		Domestic			Data Entry Status:		
Use 2nd:		0			Data Src:	1	
Final Well S	tatus:	Water Sup	ply		Date Received:	17-May-1966 00:00:00	
Water Type:					Selected Flag:	TRUE	
Casing Mate	erial:				Abandonment Rec:		
Audit No:					Contractor:	1802	
Tag:					Form Version:	1	
Constructn	Method:				Owner:		
Elevation (n	n):				County:	OTTAWA	
Elevatn Reli	abilty:				Lot:	016	
Depth to Be	drock:				Concession:	01	
Well Depth:					Concession Name:	RF	
Overburden	/Bedrock:				Easting NAD83:		
Pump Rate:					Northing NAD83:		
Static Water	r Level:				Zone:		
Clear/Cloud	y:				UTM Reliability:		
Municipality	<i>i</i> :	(GLOUCESTER TO	WNSHIP	-		
Site Info							

PDF URL (Map):

 $https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1500289.pdf$

Additional Detail(s) (Map)

1966/04/19
1966
28.0416
45.2908184513118
-75.6944323539292
150\1500289.pdf

Bore Hole Information

Bore Hole ID:	10022334	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	445545.70
Code OB Desc:		North83:	5015492.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	19-Apr-1966 00:00:00	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Elevrc Desc:			
Location Source Dat	te:		
Improvement Locati	on Source:		
Improvement Locati	on Method:		

Overburden and Bedrock Materials Interval

Source Revision Comment: Supplier Comment:

Formation ID:	930988865
Layer:	2
Color:	
General Color:	
Mat1:	13
Most Common Material:	BOULDERS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation Top Formation End Formation End	Depth: Depth: Depth UOM:	70.0 85.0 ft				
<u>Overburden an</u> <u>Materials Interv</u>	<u>d Bedrock</u> /al					
Formation ID: Layer: Color: Conoral Color:		930988866 3				
Mat1: Most Common Mat2: Mat2 Desc: Mat3:	Material:	11 GRAVEL				
<i>Mat3 Desc: Formation Top Formation End Formation End</i>	Depth: Depth: Depth UOM:	85.0 92.0 ft				
<u>Overburden an</u> <u>Materials Interv</u>	<u>d Bedrock</u> <u>ral</u>					
Formation ID: Layer: Color: General Color: Mat1: Most Common Mat2: Mat2 Desc: Mat2:	Material:	930988864 1 05 CLAY				
Mat3 Desc: Formation Top Formation End Formation End	Depth: Depth: Depth UOM:	0.0 70.0 ft				
<u>Method of Cons</u> <u>Use</u>	struction & Well					
Method Constru Method Constru Method Constru Other Method C	uction ID: uction Code: uction: Construction:	961500289 7 Diamond				
<u>Pipe Informatio</u>	<u>n</u>					
Pipe ID: Casing No: Comment: Alt Name:		10570904 1				
Construction R	ecord - Casing					
Casing ID: Layer: Material:		930037601 1 1				

Map Key	Number Records	r of S	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Open Hole o	r Material:		STEEL				
Depth To:			90.0				
Casing Diam	eter:		6.0				
Casing Diam	eter UOM:		inch				
Casing Dept	h UOM:		ft				
<u>Construction</u>	n Record - C	asing					
Casing ID:			930037602				
Layer:			2				
Material:							
Denth From:	r Material:						
Depth To:			92.0				
Casing Diam	eter:		6.0				
Casing Diam	eter UOM:		inch				
Casing Dept	h UOM:		ft				
<u>Results of W</u>	ell Yield Te	<u>sting</u>					
Pump Test II Pump Set At	D: :		991500289				
Static Level:			25.0				
Final Level A	After Pumpii	ng:	50.0				
Pumping Ra	te: Pump Di te:	eptn:	8.0				
Flowing Rate	ə:		0.0				
Recommend	led Pump Ra	ate:	8.0				
Levels UOM:			ft CDM				
Water State	After Test C	ode [.]	1				
Water State	After Test:	000.	CLEAR				
Pumping Tes	st Method:		1				
Pumping Du	ration HR:		1				
Pumping Du	ration MIN:		0				
Flowing:			INO				
Water Details	<u>S</u>						
Water ID:			933452802				
Layer:			1				
Kind Code:							
NING: Water Found	l Denth		92 0				
Water Found	Depth UOI	И:	ft				
	-						
<u>Links</u>							
Bore Hole ID):	10022334	ļ		Tag No:	4000	
Depth M:	to de	28.0416			Contractor:	1802 150\1500280 pdf	
Well Comple	eted: ted Dt	1966/04/1	9		rau: Latitude:	45 2908184513118	
Audit No:			•		Longitude:	-75.6944323539292	
24	1 of 1		W/182.8	79.9/-11.85			0005
_					ON		BORE
Borehole ID:		612121			Inclin FLG:	No	
OGF ID:		21551343	0		SP Status:	Initial Entry	
Status: Type:		Borehole			Surv Elev: Piezometer:	NO No	
. ype.		Derenoid			. 1620116161.		
74	erisinfo.co	om Enviro	onmental Risk Info	ormation Service	es	Order No:	22082204365

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Use: Completion D Static Water L Primary Wate Sec. Water Us Total Depth m Depth Ref: Depth Elev: Drill Method: Orig Ground I Elev Reliabil I DEM Ground Concession: Location D: Survey D: Comments:	ate: AUG-1 Level: r Use: se: : -999 Ground Elev m: 77.7 Note: Elev m: 79.7	970 1 Surface		Primary Name: Municipality: Lot: Township: Latitude DD: Longitude DD: UTM Zone: Easting: Northing: Location Accuracy: Accuracy:	45.291546 -75.693357 18 445631 5015572 Not Applicable
Borehole Geo	logy Stratum				
Geology Strat Top Depth: Bottom Depth Material Color Material 1: Material 2: Material 3: Material 4: Gsc Material 1 Stratum Desc	tum ID: 218390 9.1 r: Brown Bedroc Description: ription:)114 k BEDROCK. SEISMI	C VELOCITY = ²	Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	C VELOCITY = 17000. 200135076 BROWN,G
		**Note: Many record	Is provided by the	e department have a trunca	ted [Stratum Description] field.
Geology Strat Top Depth: Bottom Depth Material Colou Material 1: Material 2: Material 3: Material 4: Gsc Material 1	tum ID: 218390 0 1: 1.8 7: Unknov Description:	0112 wn		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Stratum Desc	ription:	UNSPECIFIED. SEI	SMIC VELOCITY	<i>Y</i> = 1300.	
Geology Strat Top Depth: Bottom Depth Material Color Material 1: Material 2: Material 3: Material 4: Gsc Material I Stratum Desc	tum ID: 218390 1.8 1: 9.1 r: Unknov Description: ription:	0113 wn UNSPECIFIED. SEI	SMIC VELOCIT	Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Y = 2200.	
<u>Source</u>					
Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name Source Detail Confiden 1:	Data S Geolog 1956-1 L : s :	urvey jical Survey of Canada 972 Urban Geology Auto File: OTTAWA1.txt H Gives some indicatio	omated Informatio RecordID: 04629 on of sub-surface	Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda: on System (UGAIS) NTS_Sheet: e condition but material is ur	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level

Мар Кеу	Numbe Record	r of s	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Source List							
Source Identi Source Type: Source Date: Scale or Resc Source Name Source Origin	fier: blution: : nators:	1 Data Surve 1956-1972 Varies L	ey Jrban Geology Auto Geological Survey c	omated Informatic of Canada	Horizontal Datum: Vertical Datum: Projection Name: n System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator	
<u>25</u>	1 of 1		WNW/204.5	89.9 / -1.82			BORE
					ON		
Borehole ID:		612129			Inclin FLG:	No	
OGF ID:		215513438	3		SP Status:	Initial Entry	
Status:		Poroholo			Surv Elev:	No	
Type: Use		Dotenole			Prezonieter: Primary Name	NO	
Completion D	ate:	AUG-1970			Municipality:		
Static Water L	evel:				Lot:		
Primary Wate	r Use:				Township:		
Sec. Water Us	se:	000			Latitude DD:	45.293373	
Total Depth n	1:	-999 Ground Su	urface		Longitude DD:	-75.689043	
Depth Elev:			indee		Easting:	445971	
Drill Method:					Northing:	5015772	
Orig Ground	Elev m:	89			Location Accuracy:		
Elev Reliabil I	Note:	00 7			Accuracy:	Not Applicable	
DEM Ground Concession:	Elev m:	00.7					
Location D:							
Survey D:							
Comments:							
<u>Borehole Geo</u>	ology Strat	<u>um</u>					
Geology Strat	tum ID:	218390133	3		Mat Consistency:		
Top Depth:		0			Material Moisture:		
Bottom Depth	n:	2.1			Material Texture:		
Material Color	r:	Linknown			Non Geo Mat Type:		
Material 1: Material 2:		Unknown			Geologic Formation:		
Material 3:					Geologic Period:		
Material 4:					Depositional Gen:		
Gsc Material I Stratum Desc	Descriptio ription:	<i>ท:</i> เ	JNSPECIFIED. SEI	SMIC VELOCITY	r = 1100.		
Geology Stro	tum ID-	218300126	5		Mat Consistency:		
Top Depth:	ann iD.	25.6	,		Material Moisture:		
Bottom Depth	n:				Material Texture:		
Material Colo	r:	Brown			Non Geo Mat Type:		
Material 1:		Bedrock			Geologic Formation:		
Material 2: Material 2:					Geologic Group: Geologic Period		
Material 4:					Depositional Gen:		
Gsc Material	Descriptio	n:					
Stratum Desc	ription:	E *	BEDROCK. SEISMI	C VELOCITY = 1 Is provided by the	6000. BEDROCK. SEISMIC department have a truncation	C VELOCITY = 17000. 200135076 BR ed [Stratum Description] field.	ROWN,G
Goology Street	tum ID.	21820012/	1		Mat Consistency		
Top Denth	um iD:	2.1	Ŧ		Material Moisture		
Bottom Depth	n:	25.6			Material Texture:		
Material Colo	r:				Non Geo Mat Type:		
Material 1:		Unknown			Geologic Formation:		

Мар Кеу	Numbe Record	r of s	Direction/ Distance (m	Elev/Diff) (m)	Site		DB
Material 2: Material 3: Material 4:	Doscriptio	n.			Geologic Group: Geologic Period: Depositional Gen:		
Stratum Des	cription:		UNSPECIFIED. S	SEISMIC VELOCITY	<i>Y</i> = 4500.		
<u>Source</u>							
Source Type);	Data Sur	vey		Source Appl:	Spatial/Tabular	
Source Orig:		Geologic 1956-193	al Survey of Cana	da	Source Iden: Scale or Res:	1 Varies	
Confidence:	•	L	-		Horizontal:	NAD27	
Observatio:					Verticalda:	Mean Average Sea Level	
Source Nam	e: ils:		Urban Geology A	utomated Informatio	on System (UGAIS)		
Confiden 1:			Gives some indic	ation of sub-surface	condition but material is un	known.	
Source List							
Source Iden	tifier:	1			Horizontal Datum:	NAD27	
Source Type	:	Data Sur	vey		Vertical Datum:	Mean Average Sea Level	
Source Date	: colution:	1956-19. Varies	(2		Projection Name:	Universal Transverse Mercator	
Source Nam Source Origi	e: inators:		Urban Geology A Geological Surve	utomated Information y of Canada	on System (UGAIS)		
<u>26</u>	1 of 1		W/204.8	81.9 / -9.85	• "		BORE
					ON		
Borehole ID:		612113			Inclin FLG:	No	
OGF ID:		2155134	22		SP Status:	Initial Entry	
Status: Type:		Borehole			Surv Elev: Piezometer:	NO	
Use:		Derenere			Primary Name:		
Completion	Date:	APR-195	68		Municipality:		
Static Water	Level:				Lot: Townshin:		
Sec. Water L	lse:				Latitude DD:	45.288613	
Total Depth	m:	32.6			Longitude DD:	-75.694597	
Depth Ref:		Ground S	Surface		UTM Zone:	18	
Depth Elev: Drill Method					Easting: Northing:	445531 5015247	
Orig Ground	Elev m:	86			Location Accuracy:	0010211	
Elev Reliabil	Note:				Accuracy:	Not Applicable	
DEM Ground	l Elev m:	88.3					
Location D:							
Survey D:							
comments.							
<u>Borehole Ge</u>	ology Strat	<u>um</u>					
Geology Stra	atum ID:	2183900	84		Mat Consistency:		
Top Depth:		0			Material Moisture:		
Bottom Dept	th: or:	9.1			Material Texture:		
Material 1:		Clay			Geologic Formation:		
Material 2:		,			Geologic Group:		
Material 3:					Geologic Period:		
Material 4: Gsc Material	Descriptio	n·			Depositional Gen:		
Stratum Des	cription:	•••	CLAY.				

Мар Кеу	Numbe Record	r of Is	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Geology Stra Top Depth: Bottom Dept Material Colo Material 1: Material 2: Material 3: Material 4: Gsc Material	atum ID: h: pr: Descriptio	21839008 9.1 25.6 Gravel Boulders	5		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:		
Stratum Deso	cription:	(GRAVEL,BOULDE	RS.			
Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 2: Material 4: Gsc Material	atum ID: h: pr: Descriptio	218390086 25.6 32.6 White Sandstone	5		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:		
Stratum Desc	cription:		SANDSTONE. WH	ITE. 00107SEISM ds provided by the	IIC VELOCITY = 6100. BED e department have a truncat	ROCK. SEISMIC VELOCITY = 15000. BE ed [Stratum Description] field.	DROCK
<u>Source</u>							
Source Type. Source Orig: Source Date: Confidence: Observatio: Source Name Source Detai Confiden 1:	: e: ils:	Data Surve Geological 1956-1972 I	ey I Survey of Canada 2 Urban Geology Aut File: OTTAWA1.txt	omated Informatio RecordID: 04621	Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda: on System (UGAIS) NTS_Sheet:	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level	
Source List							
Source Ident Source Type Source Date: Scale or Res	ifier: : : olution:	1 Data Surve 1956-1972 Varies	ey		Horizontal Datum: Vertical Datum: Projection Name:	NAD27 Mean Average Sea Level Universal Transverse Mercator	
Source Name Source Origi	e: nators:	(Urban Geology Aut Geological Survey	omated Information of Canada	on System (UGAIS)		
27	1 of 1		W/204.8	81.9 / -9.85	lot 16 con 1 ON		wwis
Well ID: Construction Use 1st: Use 2nd: Final Well Sta Water Type: Casing Mater Audit No: Tag: Constructn M Elevation (m) Elevatn Relia Depth to Bed Well Depth: Overburden/ Pump Rate:	n Date: atus: rial: /ethod:): abilty: Irock: Bedrock:	1501666 Domestic 0 Water Sup	ply		Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: County: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83:	1 20-May-1958 00:00:00 TRUE 1603 1 OTTAWA 016 01 RF	

Map Key Numbe Record	er of Is	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Static Water Level: Clear/Cloudy: Municipality: Site Info:		GLOUCESTER TOV	WNSHIP	Zone: UTM Reliability:		
PDF URL (Map):		https://d2khazk8e83	rdv.cloudfront.net	t/moe_mapping/downloads	s/2Water/Wells_pdfs/150\1501666.pdf	
<u>Additional Detail(s) (Ma</u>	<u>ip)</u>					
Well Completed Date: Year Completed: Depth (m): Latitude: Longitude: Path:		1958/04/03 1958 32.6136 45.2886120906954 -75.6945967109778 150\1501666.pdf	i			
Bore Hole Information						
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: Remarks: Elevrc Desc: Location Source Date: Improvement Location Improvement Location Source Revision Comm Supplier Comment:	1002370 03-Apr-1 Source: Method: tent:	9 958 00:00:00		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	18 445530.70 5015247.00 5 margin of error : 100 m - 300 m p5	
<u>Overburden and Bedroo Materials Interval</u>	<u>ck</u>					
Formation ID: Layer: Color: General Color: Mat1: Most Common Material Mat2: Mat2 Desc: Mat3 Mat3 Desc: Formation Top Depth: Formation End Depth:	l: 1014-	930992487 3 1 WHITE 18 SANDSTONE 84.0 107.0				
Overburden and Bedroo Materials Interval	юм: <u>ck</u>	ii.				
Formation ID: Layer: Color: General Color: Mat1: Most Common Material Mat2: Mat2 Desc:	:	930992485 1 05 CLAY				

Map Key Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3: Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	0.0 30.0 ft			
<u>Overburden and Bedrock</u> <u>Materials Interval</u>				
Formation ID: Layer: Color: General Color: Mat1: Most Common Material:	930992486 2 11 GRAVEL			
Mat2: Mat2 Desc: Mat3: Mat3 Desc:	13 BOULDERS			
Formation Top Depth: Formation End Depth: Formation End Depth UOM:	30.0 84.0 ft			
<u>Method of Construction & We</u> <u>Use</u>	<u>11</u>			
Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	961501666 1 Cable Tool			
Pipe Information				
Pipe ID: Casing No: Comment: Alt Name:	10572279 1			
Construction Record - Casing	1			
Casing ID: Layer: Material: Open Hole or Material: Depth From:	930040262 1 1 STEEL			
Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	87.0 3.0 inch ft			
Construction Record - Casing	1			
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To:	930040263 2 4 OPEN HOLE 107.0			
Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	3.0 inch ft			

Map Key	Number Record	r of s	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Results of We	ell Yield Te	sting					
Pump Test ID):		991501666				
Pump Set At:			10.0				
Static Level:	ftar Dumni		19.0				
Pacammand	ner Fumpi od Bump D	ny. onth:	30.0				
Pumping Rat	eu ruinp D 'e'	epui.	80				
Flowing Rate	с.		0.0				
Recommende	ed Pump R	ate:					
Levels UOM:			ft				
Rate UOM:			GPM				
Water State A	After Test C	Code:	1				
Water State A	After Test:		CLEAR				
Pumping Tes	t Method:		1				
Pumping Dur	ation HR:		4				
Fumping Dur	ation win:		U No				
riowing.			NO				
Water Details	i						
Water ID:			933454390				
Layer:			1				
Kind Code:			1				
Kind:			FRESH				
Water Found	Depth:		107.0				
water Found	Depth UU	VI:	IL				
<u>Links</u>							
Bore Hole ID:	•	10023709	9		Tag No:		
Depth M:		32.6136			Contractor:	1603	
Year Comple	ted:	1958			Path:	150\1501666.pdf	
Well Complet	ted Dt:	1958/04/0	03		Latitude:	45.2886120906954	
Audit No:					Longitude:	-75.6945967109778	
28	1 of 1		ESE/214.3	89.9/-1.85			
					ON		BORE
Borehole ID:		612108			Inclin FLG:	No	
OGF ID:		2155134	17		SP Status:	Initial Entry	
Status:					Surv Elev:	No	
Туре:		Borehole			Piezometer:	No	
Use:			_		Primary Name:		
Completion L	Date:	NOV-195	67		Municipality:		
Static Water I	Level:				LOT: Township:		
Sec Water II	51 USE.				l atitude DD [.]	45 287086	
Total Depth n	n:	17.4			Longitude DD:	-75.671369	
Depth Ref:		Ground S	Surface		UTM Zone:	18	
Depth Elev:					Easting:	447351	
Drill Method:					Northing:	5015062	
Orig Ground	Elev m:	91.1			Location Accuracy:		
Elev Reliabil	Note:	00.2			Accuracy:	Not Applicable	
	∟lev m:	90.3					
Location D.							
Survey D:							
Comments:							

Borehole Geology Stratum

Map Key	Numbe Record	r of s	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Geology Strat Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 4: Gsc Material 4 Stratum Desc	tum ID: h: r: Descriptio cription:	218390073 0 12.8 Clay n :	:LAY.		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 4: Gsc Material Stratum Desc	tum ID: h: r: Descriptio cription:	218390074 12.8 17.4 Limestone n:	IMESTONE. 00057	Y = 1200. UNSP Is provided by the	Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: ECIFIED. SEISMIC VELOC	CITY = 6100. BEDROCK. SEISMIC VELOCITY = ed [Stratum Description] field.
<u>Source</u> Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name Source Detail Confiden 1:	e: Is:	Data Surve Geological 1956-1972 U F	y Survey of Canada Irban Geology Auto ile: OTTAWA1.txt I	omated Informatio RecordID: 04616	Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda: n System (UGAIS) NTS_Sheet:	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level
Source List Source Identi Source Type: Source Date: Scale or Reso Source Name Source Origin	ifier: blution: e: nators:	1 Data Surve 1956-1972 Varies U G	y Irban Geology Auto Geological Survey o	omated Informatio f Canada	Horizontal Datum: Vertical Datum: Projection Name: n System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator
29 Well ID: Construction Use 1st: Use 2nd: Final Well Sta Water Type: Casing Mater Audit No: Tag: Constructn M Elevation (m) Elevatin Relia Depth to Bed Well Depth: Overburden/E Pump Rate: Static Water I	1 of 1 Date: atus: ial: iethod: bilty: rock: Bedrock: Level:	1500867 Domestic 0 Water Supp	ESE/214.4 Dly	89.9 / -1.85	lot 19 con 1 ON Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: County: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone:	1 26-Nov-1957 00:00:00 TRUE 3601 1 OTTAWA 019 01 RF

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Clear/Cloudy: Municipality: Site Info:		GLOUCESTER TO	WNSHIP	UTM Reliability:		
PDF URL (Maj	p):	https://d2khazk8e83	Brdv.cloudfront.ne	t/moe_mapping/downloads	s/2Water/Wells_pdfs/150\1500867.pdf	
Additional De	<u>tail(s) (Map)</u>					
Well Complete Year Complete Depth (m): Latitude: Longitude: Path:	ed Date: ed:	1957/11/06 1957 17.3736 45.2870857216568 -75.6713686393785 150\1500867.pdf	i			
Bore Hole Info	ormation					
Bore Hole ID: DP2BR: Spatial Status Code OB: Code OB Dese Open Hole: Cluster Kind: Date Complete Remarks: Elevrc Desc: Location Sour Improvement Improvement Source Revisi Supplier Com <u>Overburden at</u> <u>Materials Inter</u> Formation ID: Layer:	10022 c: ed: 06-Nor rce Date: Location Source: Location Method: ion Comment: ment: <u>nd Bedrock</u> <u>rval</u>	910 v-1957 00:00:00 930990427 1		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	18 447350.80 5015062.00 9 unknown UTM p9	
Color: General Color Mat1: Most Commol Mat2: Mat2 Desc: Mat3 Desc: Formation Toj	r: n Material: p Depth:	05 CLAY 0.0				
Formation En Formation En	d Depth: d Depth UOM:	42.0 ft				
<u>Overburden a</u> <u>Materials Inter</u>	<u>nd Bedrock</u> rval					
Formation ID: Layer: Color: General Color Mat1: Most Common Mat2: Mat2 Desc: Mat3:	: n Material:	930990428 2 15 LIMESTONE				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB		
Mat3 Desc:							
Formation To	p Depth:	42.0					
Formation En	id Depth: id Depth UOM:	57.0 ft					
<u>Method of Co</u> <u>Use</u>	nstruction & Well						
Method Cons	truction ID:	961500867					
Method Cons	truction Code:	1 October Telef					
Method Cons Other Method	truction: Construction:	Cable 1001					
<u>Pipe Informat</u>	<u>tion</u>						
Pipe ID:		10571480					
Casing No:		1					
Alt Name:							
Construction	Record - Casing						
Casing ID:		930038713 1					
Material:		1					
Open Hole or	Material:	STEEL					
Depth From: Depth To:		42.0					
Casing Diame	eter:	4.0					
Casing Diame	eter UOM:	inch ft					
Casing Depui		n					
Construction	Record - Casing						
Casing ID:		930038714					
Layer: Material:		2					
Open Hole or	Material:	OPEN HOLE					
Depth From:							
Depth To: Casing Diame	oter	57.0 4 0					
Casing Diame	eter UOM:	inch					
Casing Depth	UOM:	ft					
<u>Results of We</u>	ell Yield Testing						
Pump Test ID):	991500867					
Pump Set At:		0.0					
Static Level:	fter Pumpina [.]	9.0 14.0					
Recommende	ed Pump Depth:	14.0					
Pumping Rate	e:	6.0					
Flowing Rate	: ed Pump Rate:						
Levels UOM:		ft					
Rate UOM:	Hor Tool Order	GPM 1					
Water State A	inter Test Code:						
Pumping Tes	t Method:	1					
Pumping Dur	ation HR:	1					
Flowina:	ation wint:	No					
		-					
84	erisinfo.com Env	vironmental Risk Info	rmation Service	es	Order No: 22082204365		
Мар Кеу	Numbe Record	er of Is	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
--	--------------------	--	---------------------------------------	------------------	---	--	------
Water Details	i						
Water ID: Layer: Kind Code: Kind: Water Found Water Found	Depth: Depth UC	DM:	933453450 1 FRESH 57.0 ft				
<u>Links</u>							
Bore Hole ID: Depth M: Year Comple: Well Complet Audit No:	ted: ted Dt:	10022910 17.3736 1957 1957/11/0	0		Tag No: Contractor: Path: Latitude: Longitude:	3601 150\1500867.pdf 45.2870857216568 -75.6713686393785	
<u>30</u>	1 of 1		NW/214.9	90.9 / -0.85	lot 16 con 1 ON		wwis
Well ID: Construction Use 1st: Use 2nd:	Date:	1501684 Domestic 0	;		Flowing (Y/N): Flow Rate: Data Entry Status: Data Src:	1	

GLOUCESTER TOWNSHIP

PDF URL (Map):

Final Well Status:

Casing Material: Audit No:

Elevation (m):

Well Depth:

Pump Rate:

Clear/Cloudy:

Municipality: Site Info:

Constructn Method:

Elevatn Reliabilty:

Depth to Bedrock:

Static Water Level:

Overburden/Bedrock:

Water Type:

Tag:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501684.pdf

Date Received:

Selected Flag:

Form Version:

Concession:

Contractor:

Owner:

County:

Lot:

Zone:

Abandonment Rec:

Concession Name:

Easting NAD83:

Northing NAD83:

UTM Reliability:

18-Jul-1956 00:00:00

TRUE

3566

OTTAWA

1

016

01

RF

Additional Detail(s) (Map)

Well Completed Date:	1956/07/13
Year Completed:	1956
Depth (m):	32.004
Latitude:	45.2950623465339
Longitude:	-75.6847914696186
Path:	150\1501684.pdf

Water Supply

Bore Hole Information

Bore Hole ID:	10023727	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	446305.70
Code OB Desc:		North83:	5015957.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Date Complet Remarks: Elevrc Desc: Location Soun Improvement Improvement Source Revis Supplier Com	ed: 13-Jul-1 rce Date: Location Source: Location Method: ion Comment: ment:	956 00:00:00		UTMRC Desc: Location Method:	unknown UTM p9	
<u>Overburden a</u> <u>Materials Inte</u>	<u>nd Bedrock</u> rval					
Formation ID: Layer: Color: General Coloi Mat1:	:	930992533 3				
Matr: Most Commo Mat2: Mat2 Desc: Mat3: Mat3 Desc:	n Material:	IS SANDSTONE				
Formation To Formation En Formation En	p Depth: d Depth: d Depth UOM:	82.0 105.0 ft				
<u>Overburden a</u> <u>Materials Inte</u>	<u>nd Bedrock</u> <u>rval</u>					
Formation ID: Layer: Color: General Color Mat1: Most Common Mat2: Mat2 Desc:	r: n Material:	930992532 2 14 HARDPAN 13 BOULDERS				
Mat3: Mat3 Desc: Formation To Formation En Formation En	p Depth: d Depth: d Depth UOM:	65.0 82.0 ft				
<u>Overburden a</u> <u>Materials Inte</u>	<u>nd Bedrock</u> <u>rval</u>					
Formation ID: Layer: Color: General Coloi	·	930992531 1				
Mat1: Most Commo Mat2: Mat2 Desc: Mat3: Mat3 Desc:	n Material:	05 CLAY				
Formation To Formation En Formation En	p Depth: d Depth: d Depth UOM:	0.0 65.0 ft				

Method of Construction & Well Use

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Const Method Const	ruction ID: ruction Code:	961501684 1			
Method Const Other Method	ruction: Construction:	Cable Tool			
<u>Pipe Informati</u>	<u>on</u>				
Pipe ID: Casing No: Comment: Alt Name:		10572297 1			
Construction I	Record - Casing				
Casing ID:		930040296			
Layer:		2			
Open Hole or I Depth From:	Material:	4 OPEN HOLE			
Depth To:		105.0			
Casing Diame	ter:	5.0			
Casing Diame	UOM:	ft			
Construction I	Record - Casing				
Casing ID:		930040295			
Layer: Material:		1			
Open Hole or l	Material:	STEEL			
Depth From:		05.0			
Deptn To: Casing Diame	ter:	85.0 5.0			
Casing Diame	ter UOM:	inch			
Casing Depth	UOM:	ft			
Results of We	ll Yield Testing				
Pump Test ID: Pump Set At:		991501684			
Static Level:	ar Dumping.	22.0			
Recommende	d Pump Depth:	22.0			
Pumping Rate	: .	10.0			
Recommende	d Pump Rate:				
Levels UOM:	•	ft			
Rate UOM: Water State At	ter Test Code	GPM 1			
Water State Al	ter Test:	CLEAR			
Pumping Test	Method:	1			
Pumping Dura	tion MIN:	0			
Flowing:		No			
<u>Water Details</u>					
Water ID:		933454408			
Layer: Kind Codo:		1			
Kind:		FRESH			
87	e <u>risinfo.com</u> Env	rironmental Risk Info	rmation Service	S	Order No: 22082204365

Map Key	Numbe Record	r of s	<i>Direction/</i> Distance (m)	Elev/Diff (m)	Site		DB
Water Found	Depth:	1	05.0				
Water Found	Depth UO	M: ft					
<u>Links</u>							
Bore Hole ID: Depth M: Year Comple Well Complet Audit No:	: ted: ted Dt:	10023727 32.004 1956 1956/07/13			Tag No: Contractor: Path: Latitude: Longitude:	3566 150\1501684.pdf 45.2950623465339 -75.6847914696186	
<u>31</u>	1 of 1		NW/214.9	90.9 / -0.85	ON		BORE
Borehole ID: OGF ID: Status: Type: Use: Completion I Static Water I Primary Wate Sec. Water U Total Depth n Depth Ref: Depth Elev: Drill Method: Orig Ground Elev Reliabil DEM Ground Concession: Location D: Survey D: Comments:	Date: Level: er Use: ise: m: Elev m: Note: Elev m:	612134 215513443 Borehole JUL-1956 32 Ground Sun 89 90.4	face		Inclin FLG: SP Status: Surv Elev: Piezometer: Primary Name: Municipality: Lot: Township: Latitude DD: Longitude DD: UTM Zone: Easting: Northing: Location Accuracy: Accuracy:	No Initial Entry No No 45.295063 -75.684791 18 446306 5015957 Not Applicable	
<u>Borehole Geo</u>	ology Strat	<u>um</u>					
Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 4:	ntum ID: h: pr:	218390149 19.8 25 Boulders			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Hard	
GSC Material Stratum Desc	Descriptio cription:	<i>n:</i> ⊦	IARDPAN,BOULD	ERS.			
Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 4: Gsc Material Stratum Desc	ntum ID: h: pr: Descriptio cription:	218390148 0 19.8 Clay n:	:LAY.		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:		
Geology Stra Top Depth: Bottom Deptl Material Colo	ntum ID: h: pr:	218390150 25 32 Grey			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type:		

Мар Кеу	Number Records	of I	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Material 1: Material 2: Material 3: Material 4: Gsc Material	Description	Sandstone			Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:		
Stratum Desc	ription:	SAI	NDSTONE. 0010	95,SAND. GREY. L	IMESTONE. GREY. 00087	7ISMIC VELOCITY = 16000. BEDROCK.	
<u>Source</u>							
Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name Source Detail Confiden 1:	:: Is:	Data Survey Geological Su 1956-1972 Urb File	urvey of Canada aan Geology Auto :: OTTAWA1.txt	omated Information RecordID: 04642 N	Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda: System (UGAIS) TS_Sheet:	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level	
<u>Source List</u>							
Source Identi Source Type: Source Date: Scale or Rese Source Name Source Origin	ifier: olution: o: nators:	1 Data Survey 1956-1972 Varies Urb Geo	an Geology Auto ological Survey c	omated Information f Canada	Horizontal Datum: Vertical Datum: Projection Name: System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator	
<u>32</u>	1 of 1	E	/215.6	90.9 / -0.85	MERKLEY'S QU	IARRY	AMIS
					GLOUCESTER ON		
Site Access (AMIS Distr Co Abandoned M Old MDI ID:	Code: ode: /line ID:	07677	-00032		Prog Rehab Plan: Revegetation: Veg Condition: Veg Descr: Chomical Doc:	UNK	
Mine Status: Mine Plan/Se Site Class: Clos Reason	ction: Code:	ABANDONEI UNK C)		Jurisdiction: Lot No: Concession: Zone:	A.R.A. 18 2 18	
Closure Plan Prim Commo Primary Com Operational A Date Entered	: d Code: modity: Access:	SHALE (STR N/A 5/28/2018	UCTURAL MATI	ERIALS)	Northing: Easting: Mine Closure Reaso: AMIS District: District Desc:	5015373 447477 TWEED	
Date Entered Date Last Mo Effective Date Start Year: End Year:	dified: e:	9/24/2018			Animal Desc: Status Type Code: Long Name: NTS No:	31G05NE	
Evid of Site C Evid of Sulph Evid Animals	Conta: hide: Pres:				Latitude: Longitude:	45.28989 -75.66979	
Hyper Link: Mine Feature	s Desc:	http	S://www.geology	ontario.mndm.gov.	on.ca/mndmfiles/amis/data	a/records/07677.html	
Alternate Nar	me:	PO	INT 2.2 KM E OF	HONEYGABLES			
<u>33</u>	1 of 1	E	/215.8	90.9 / -0.85	Merkley		MNR
					ON		
MDI No:		MDI31G05NE	500032		Twp Area:	Gloucester	
89	erisinfo.com	<u>m</u> Environm	nental Risk Info	rmation Services		Order No: 2208220	4365

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Мар Кеу	Number Records	of S	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
OGF ID: Deposit Statu Claim Map: Geological D Mining Divisi Name: P Commod: S Commod: Latitude: Longitude: Class Sub Ty Source Map: Detail: All Names: Access Desc	us: ostrct: ion: ype: cription:	Southern C Merkley SHALE (ST 45.289894 -75.669789 h M N	ntario RUCTURAL MAT ttp://www.geology lerkley, Merkley's l/A	'ERIAL) ontario.mndm.gov	Dep Class: Zone: Easting: Northing: Effective Dt/time: Date Last Modified: Geo Update Dt/time: Class Sub Type No: Status:	Past Producing Mine Without Reserves or Resources /records/MDI31G05NE00032.html
<u>34</u>	1 of 1		W/219.9	78.2 / -13.57	lot 15 con 1 ON	WWIS
Well ID: Construction Use 1st: Use 2nd: Final Well Sta Water Type: Casing Mater Audit No: Tag: Constructn M Elevation (m) Elevation (m) Elevat	n Date: atus: rial: Method:): abilty: drock: Bedrock: Level:	1500288 Domestic Water Supp	bly GLOUCESTER TO	WNSHIP	Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: County: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 17-May-1965 00:00:00 TRUE 1503 1 OTTAWA 015 01 RF
PDF URL (Ma	ap):	h	ttps://d2khazk8e8	3rdv.cloudfront.ne	t/moe_mapping/downloads	/2Water/Wells_pdfs/150\1500288.pdf
Additional De Well Comple Year Comple Depth (m): Latitude: Longitude: Path:	<u>etaii(s) (Ma</u> ţ ted Date: sted:	22 1 3 4 -7 1	965/04/26 965 5.052 5.2914481199014 75.694503801928 50\1500288.pdf	k 8		
Bore Hole Int	<i>formation</i>					
Bore Hole ID. DP2BR: Spatial Statu. Code OB: Code OB Des Open Hole: Cluster Kind: Date Comple Remarks:	: sc: : teted:	10022333 26-Apr-196	5 00:00:00		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	18 445540.70 5015562.00 5 margin of error : 100 m - 300 m p5
90	erisinfo.cc	<u>m</u> Enviror	nmental Risk Info	ormation Service	es.	Order No: 22082204365

Map Key Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elevrc Desc: Location Source Date: Improvement Location Source Improvement Location Method Source Revision Comment: Supplier Comment:	: !:			
<u>Overburden and Bedrock</u> Materials Interval				
Formation ID: Layer: Color: General Color: Mat1:	930988863 4 18			
Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation Ton Donth:	SANDSTONE			
Formation Fop Depth: Formation End Depth: Formation End Depth UOM:	115.0 ft			
<u>Overburden and Bedrock</u> <u>Materials Interval</u>				
Formation ID: Layer: Color: General Color:	930988862 3			
Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc:	15 LIMESTONE			
Formation End Depth: Formation End Depth: Formation End Depth UOM:	80.0 90.0 ft			
<u>Overburden and Bedrock</u> <u>Materials Interval</u>				
Formation ID: Layer: Color: General Color:	930988861 2			
Mat1: Most Common Material: Mat2:	11 GRAVEL 13			
Mat2 Desc: Mat3: Mat3 Desc: Formation Ton Donth.	BOULDERS			
Formation Top Depth: Formation End Depth: Formation End Depth UOM:	40.0 80.0 ft			
<u>Overburden and Bedrock</u> <u>Materials Interval</u>				
Formation ID:	930988860			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer: Color: General Colo Mat1: Most Commo Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation To Formation Er	r: on Material: op Depth: nd Depth: nd Depth:	1 05 CLAY 0.0 40.0 ft			
<u>Method of Co Use</u>	onstruction & Well				
Method Cons Method Cons Method Cons Other Method	truction ID: truction Code: truction: Construction:	961500288 1 Cable Tool			
<u>Pipe Informa</u>	<u>tion</u>				
Pipe ID: Casing No: Comment: Alt Name:		10570903 1			
Construction	Record - Casing				
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diamo Casing Diamo Casing Depth	• Material: eter: eter UOM: • UOM:	930037600 2 4 OPEN HOLE 115.0 5.0 inch ft			
<u>Construction</u>	Record - Casing				
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame Casing Diame Casing Depth	• Material: eter: eter UOM: n UOM:	930037599 1 STEEL 84.0 5.0 inch ft			
<u>Results of We</u>	ell Yield Testing				
Pump Test ID):	991500288			

Pump Set At:	
Static Level:	21.0
Final Level After Pumping:	80.0
Recommended Pump Depth:	90.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	5.0
•	

Map Key Numbe Record	er of Direction/ Is Distance (m)	Elev/Diff (m)	Site		DB
Levels UOM: Rate UOM: Water State After Test (Water State After Test: Pumping Test Method: Pumping Duration HR: Pumping Duration MIN. Flowing:	ft GPM Code: 2 CLOUDY 1 1 : 0 No				
<u>Water Details</u>					
Water ID: Layer: Kind Code: Kind: Water Found Depth: Water Found Depth UO	933452801 1 1 FRESH 114.0 M: ft				
<u>Links</u>					
Bore Hole ID: Depth M: Year Completed: Well Completed Dt: Audit No:	10022333 35.052 1965 1965/04/26		Tag No: Contractor: Path: Latitude: Longitude:	1503 150\1500288.pdf 45.2914481199014 -75.6945038019288	
35 1 of 1	W/225.9	79.9/-11.82	Intersection of Leitri Ottawa ON	n Road and River Road	EHS
Order No: Status: Report Type: Report Date: Date Received: Previous Site Name: Lot/Building Size: Additional Info Ordered	21020200349 C Standard Report 05-FEB-21 02-FEB-21	nd/or Site Plans; A	Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y: erial Photos	Ottawa ON .25 -75.6940361 45.2917322	
<u>36</u> 1 of 1	N/227.4	92.9 / 1.15	ON		BORE
Borehole ID: OGF ID: Status: Type: Use: Completion Date: Static Water Level: Primary Water Use: Sec. Water Use: Total Depth m: Depth Ref: Depth Ref: Depth Elev: Drill Method: Orig Ground Elev m: Elev Reliabil Note: DEM Ground Elev m: Concession: Location D: Survey D: Comments:	612141 215513450 Borehole AUG-1970 -999 Ground Surface 90.5 91.1		Inclin FLG: SP Status: Surv Elev: Piezometer: Primary Name: Municipality: Lot: Township: Latitude DD: Longitude DD: UTM Zone: Easting: Northing: Location Accuracy: Accuracy:	No Initial Entry No No 45.297205 -75.680289 18 446661 5016192 Not Applicable	

Мар Кеу	Number Record	r of s	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Borehole Geo	ology Strat	<u>um</u>				
Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 4: Gsc Material Stratum Desc	tum ID: h: r: Description cription:	218390169 20.1 Brown Bedrock <i>n:</i> E) BEDROCK. SEISMI	C VELOCITY = 1	Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: 15100. BEDROCK. SEISMI	C VELOCITY = 17000. 200135076 BROWN,G
		*	*Note: Many record	Is provided by the	e department have a trunca	ted [Stratum Description] field.
Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 4: Gsc Material	tum ID: h: r: Descriptio	218390168 1.8 20.1 Unknown	3		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Stratum Desc	cription:	l	JNSPECIFIED. SEI	SMIC VELOCITY	<i>t</i> = 4600.	
Geology Stra Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 4: Gsc Material Stratum Desc	tum ID: h: r: Description cription:	218390167 0 1.8 Unknown n:	, JNSPECIFIED. SEI	SMIC VELOCITY	Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: (= 1000.	
<u>Source</u>						
Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name Source Detail Confiden 1:	e: Is:	Data Surve Geological 1956-1972 L L	Survey of Canada Jrban Geology Auto Tile: OTTAWA1.txt F Gives some indicatio	omated Informatic RecordID: 04649 on of sub-surface	Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda: on System (UGAIS) NTS_Sheet: condition but material is un	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level nknown.
Source List						
Source Identi Source Type: Source Date: Scale or Reso Source Name Source Origin	ifier: olution: o: nators:	1 Data Surve 1956-1972 Varies L	ey Jrban Geology Auto Geological Survey o	omated Informatic f Canada	Horizontal Datum: Vertical Datum: Projection Name: on System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator
37	1 of 1		W/228.7	80.0/-11.68	lot 15 con 1 ON	wwws
Well ID: Construction Use 1st:	Date:	1504692 Domestic			Flowing (Y/N): Flow Rate: Data Entry Status:	

map noy	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	
Use 2nd: Final Well Sta Water Type: Casing Mater Audit No: Tag: Constructn M Elevation (m) Elevation (m) Elevation Relia Depth to Bedi Well Depth: Overburden/E Pump Rate: Static Water I Clear/Cloudy: Municipality: Site Info: PDF URL (Ma	0 atus: Water ial: lethod: : bilty: lrock: Bedrock: Level: :	Supply GLOUCESTER TO https://d2khazk8e83	WNSHIP	Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: County: Lot: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 06-Mar-1956 00:00:00 TRUE 1802 1 OTTAWA 015 01 RF
Additional De	etail(s) (Map)				
Well Complet Year Complet Depth (m): Latitude: Longitude: Path:	ted Date: ted:	1956/01/18 1956 36.8808 45.2915835196454 -75.6944416907766 150\1504692.pdf			
Bore Hole Inf	ormation				
Bore Hole ID: DP2BR: Spatial Status Code OB: Code OB Des Open Hole: Cluster Kind: Date Complet Remarks: Elevrc Desc: Location Sou Improvement Source Revis Supplier Com	ted: 18-Jan ted: 18-Jan ted: 18-Jan trce Date: Location Source: Location Method: sion Comment: hment:	735 -1956 00:00:00		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	18 445545.70 5015577.00 5 margin of error : 100 m - 300 m p5
<u>Overburden a</u> Materials Inte	and Bedrock erval				
Formation ID: Layer: Color: General Color Mat1: Most Commo Vat2: Mat2 Desc: Mat3:	: r: on Material:	931000186 1 05 CLAY			

_	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
	<u>Overburden a</u> <u>Materials Inte</u>	<u>nd Bedrock</u> rval				
	Formation ID: Layer: Color:		931000188 3			
	General Color Mat1:	;	18			
	Most Commo Mat2: Mat2 Desc: Mat3:	n Material:	SANDSTONE			
	Mat3 Desc: Formation To	p Depth:	91.0			
	Formation En Formation En	d Depth: d Depth UOM:	121.0 ft			
	<u>Overburden a</u> <u>Materials Inte</u>	<u>nd Bedrock</u> rval				
	Formation ID: Layer: Color:		931000187 2			
	General Color Mat1:	:	13			
	Most Commo Mat2:	n Material:	BOULDERS 14			
	Mat2 Desc: Mat3:		HARDPAN			
	Formation To	p Depth:	65.0			
	Formation En	d Depth UOM:	ft			
	<u>Method of Co</u> <u>Use</u>	nstruction & Well				
	Method Const Method Const	truction ID: truction Code:	961504692 7			
	Method Const Method Const Other Method	truction: Construction:	, Diamond			
	<u>Pipe Informat</u>	ion				
	Pipe ID: Casing No: Comment: Alt Name:		10575305 1			
	Construction	Record - Casing				
	Casing ID:		930046202 2			
	Material:	Motorich				
	Open Hole or Depth From:	waterial:				
	Depth To: Casing Diame	ter:	121.0 3.0			
	Casing Diame	ter UOM: UOM:	inch ft			
			-			

Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	91.0
Casing Diameter:	3.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991504692
Pump Set At:	
Static Level:	15.0
Final Level After Pumping:	55.0
Recommended Pump Depth:	
Pumping Rate:	5.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933457998
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	120.0
Water Found Depth UOM:	ft

<u>Links</u>

Bore Hole ID: Depth M: Year Completed: Well Completed Dt: Audit No:	10026735 36.8808 1956 1956/01/18		Tag No: Contractor: Path: Latitude: Longitude:	1802 150\1504692.pdf 45.2915835196454 -75.6944416907766	
38 1 of 1	W/234.8	80.6 / -11.15	lot 15 con 1 ON		WWIS
Well ID: Construction Date: Use 1st: Use 2nd: Final Well Status: Water Type: Casing Material: Audit No: Tag: Constructn Method: Elevation (m):	1501654 Domestic 0 Water Supply		Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: County:	1 04-Sep-1956 00:00:00 TRUE 1802 1 OTTAWA	

Map Key Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: Site Info:	GLOUCESTER TO	WNSHIP	Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	015 01 RF	
PDF URL (Map):	https://d2khazk8e83	Brdv.cloudfront.net	t/moe_mapping/downloads/	/2Water/Wells_pdfs/150\1501654.pdf	
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: Year Completed: Depth (m): Latitude: Longitude: Path:	1956/06/03 1956 19.812 45.2924513702276 -75.6923480468637 150\1501654.pdf	,			
Bore Hole Information					
Bore Hole ID:1002369DP2BR:Spatial Status:Code OB:Code OB Desc:Open Hole:Ogen Hole:Cluster Kind:Date Completed:Date Completed:03-Jun-7Remarks:Elevrc Desc:Location Source Date:Improvement Location Source:Improvement Location Method:Source Revision Comment:Supplier Comment:Supplier Comment:	97 1956 00:00:00		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	18 445710.70 5015672.00 5 margin of error : 100 m - 300 m p5	
<u>Overburden and Bedrock</u> <u>Materials Interval</u>					
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3:	930992449 2 11 GRAVEL				
<i>Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:</i>	40.0 64.0 ft				
<u>Overburden and Bedrock</u> <u>Materials Interval</u>					
Formation ID: Layer: Color:	930992450 3				

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
General Color Mat1: Most Commol Mat2: Mat2 Desc: Mat3:	: n Material:	11 GRAVEL			
<i>Mat3 Desc: Formation Top Formation En</i> Formation En	o Depth: d Depth: d Depth UOM:	64.0 65.0 ft			
<u>Overburden a</u> Materials Inter	<u>nd Bedrock</u> r <u>val</u>				
Formation ID: Layer: Color: General Color Mat1: Most Commol Mat2: Mat2 Desc: Mat3: Desc:	: n Material:	930992448 1 3 BLUE 05 CLAY			
Mats Desc: Formation Toj Formation En Formation En	o Depth: d Depth: d Depth UOM:	0.0 40.0 ft			
<u>Method of Col Use</u>	nstruction & Well				
Method Const Method Const Method Const Other Method	truction ID: truction Code: truction: Construction:	961501654 7 Diamond			
<u>Pipe Informati</u>	ion				
Pipe ID: Casing No: Comment: Alt Name:		10572267 1			
Construction	Record - Casing				
Casing ID: Layer: Material: Open Hole or Depth From:	Material:	930040238 2			
Depth To: Casing Diame Casing Diame Casing Depth	ter: ter UOM: UOM:	65.0 3.0 inch ft			
Construction	Record - Casing				
Casing ID: Layer: Material: Open Hole or Depth From:	Material:	930040237 1 1 STEEL			

Map Key	Numbe Record	r of Is	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Depth To: Casing Diam Casing Diam Casing Deptl	eter: eter UOM: h UOM:		64.0 3.0 inch ft				
<u>Results of W</u>	ell Yield Te	esting					
Pump Test IL Pump Set At	D: :		991501654				
Static Level:			22.0				
Final Level A Recommend Pumping Rat	itter Pumpi ed Pump D te:	ing: Depth:	30.0 6.0				
Recommend Levels UOM:	ed Pump F	Rate:	ft				
Rate UOM:			GPM				
Water State	After Test (Code:	1				
Water State	After Test:		CLEAR				
Pumping Tes	st Method:		1				
Pumping Du	ration HR: ration MIN		2				
Flowing:			No				
Water Details	5						
Water ID:			933454377				
Layer:			1				
Kind Code:			1				
Kind:			FRESH				
Water Found	Depth:		65.0				
Water Found	Depth UO	М:	ft				
<u>Links</u>							
Bore Hole ID	:	1002369	7		Tag No:		
Depth M:		19.812			Contractor:	1802	
Year Comple	ted:	1956			Path:	150\1501654.pdf	
Well Comple	ted Dt:	1956/06/	03		Latitude:	45.2924513702276	
Audit No:					Longitude:	-75.6923480468637	
<u>39</u>	1 of 2		E/249.9	90.9 / -0.85	Ottawa-Carleton Cath 4109 Limebank Rd Pa Rideau Front Ottawa ON	holic School Board art of Lot 18, Concession 2,	СА
Certificate #: Application M Issue Date: Approval Typ Status: Application T Client Name: Client Name: Client Addre: Client City: Client Postal Project Desc Contaminant Emission Co	Year: pe: Type: ss: ss: Code: ription: s: ntrol:		3073-7AWMU4 2008 2/28/2008 Municipal and Priva Revoked and/or Re	ate Sewage Works aplaced			
<i>Client City: Client Postal Project Desc Contaminant Emission Co</i>	Code: ription: s: ntrol:						

Мар Кеу	Number Records	of Direction/ s Distance (m)	Elev/Diff (m)	Site	DB			
<u>39</u>	2 of 2	E/249.9	90.9 / -0.85	<i>Ottawa-Carleton Catholic School Board 4109 Limebank Rd Part of Lot 18, Concession 2 Ottawa ON K2G 3R4</i>	ECA			
Approval No) :	3073-7AWMU4		MOE District:				
Approval Da	ate:	2008-02-28		City:				
Status:		Revoked and/or Replaced		Longitude:				
Record Type	e:	ECA		Latitude:				
Link Source	:	IDS		Geometry X:				
SWP Area N	lame:			Geometry Y:				
Approval Tv	pe:	ECA-MUNICIPAL A	ND PRIVATE SE	EWAGE WORKS				
Project Type	e:	MUNICIPAL AND P	MUNICIPAL AND PRIVATE SEWAGE WORKS					
Business Name:		Ottawa-Carleton Ca	Ottawa-Carleton Catholic School Board					
Address:		4109 Limebank Rd	4109 Limebank Rd Part of Lot 18. Concession 2					
Full Address	s:		·····					
Full PDF Lin	nk:	https://www.access	environment.ene	.gov.on.ca/instruments/2823-7AVLH8-14.pdf				
PDF Site Lo	cation:							

Unplottable Summary

Total: 65 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
СА	Riverside South Development Corp.		Ottawa ON	
СА	Riverside South Development Corp.		Ottawa ON	
СА	Richcraft Homes Ltd.		Ottawa ON	
СА	D & H Rivington Enterprises Inc.	Part of Block C, Registered Plan 148 and Part of Lot 18, Concession 2, Village o	Ottawa ON	
СА	Richcraft Homes Ltd.		Ottawa ON	
СА	Urbandale Corporation		Ottawa ON	
СА	City of Ottawa	Limebank Road from Leitrim Road to Spratt Rd	Ottawa ON	
СА	Urbandale Corporation		Ottawa ON	
СА	Richcraft Homes Ltd.		Ottawa ON	
СА	Riverside South Development Corp.		Ottawa ON	
СА	Urbandale Corporation		Ottawa ON	
СА	Minto Developments Inc.	Lot 19, Concession 1	Ottawa ON	
СА	Urbandale Corporation		Ottawa ON	
СА	Richcraft Homes Ltd.		Ottawa ON	
СА	Urbandale Corporation		Ottawa ON	
СА	Urbandale Corporation		Ottawa ON	
СА	Urbandale Corporation		Ottawa ON	

CA	Urbandale Corporation		Ottawa ON	
СА	Urbandale Corporation		Ottawa ON	
СА	Minto Developments Inc.	Lot 19, Concession 1	Ottawa ON	
СА	Urbandale Corporation		Ottawa ON	
СА	Urbandale Corporation		Ottawa ON	
CA	The Corporation of the City of Ottawa	Lot 18, Conc. 2 (Rideau Front)	Ottawa ON	
CA	Richcraft Homes Ltd.		Ottawa ON	
CA	Urbandale Corporation		Ottawa ON	
СА	South Ottawa Collector	Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3	Gloucester ON	
СА		Part of Lot 18 and 19, Concession 1, Spratt Road	Gloucester ON	
СА		Part of Lot 18 and 19, Concession 1, Spratt Road	Gloucester ON	
СА	South Ottawa Collector	Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3	Gloucester ON	
СА		Lot 18, Conc. 2, Longfields Subdivivion - Kilbarron / Beatrice Site	Ottawa ON	
CA		Lot 18, Conc. 2, Longfields Subdivivion - Kilbarron / Beatrice Site	Ottawa ON	
CA	South Ottawa Collector	Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3	Ottawa ON	
CA	Claridge Point West	Part of Lot 18, Concession 2, Rideau Front	Ottawa ON	
CA	Claridge Point West	Part of Lot 18, Concession 2, Rideau Front	Ottawa ON	
CA	R.M. OF OTTAWA-CARLETON	LOT 15, CONC.1, S. URBAN COMM.	GLOUCESTER CITY ON	
CA	FINE FLOWERS LTD.	R.R. #1 RIVER RD.	GLOUCESTER CITY ON	
EBR	Riverside South Development Corporation (RSDC)		ON	
ECA	City of Ottawa	Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3	Ottawa ON	K1P 1J1
ECA	Minto Developments Inc.	Lot 19, Concession 1	Ottawa ON	K1R 7Y2
ECA	Riverside South Development Corp.		Ottawa ON	K1G 2H5

ECA	Richcraft Homes Ltd.		Ottawa ON	K1G 4K1
ECA	The Regional Municipality of Ottawa-Carleton	Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3	Gloucester ON	K2P 2L7
ECA	Urbandale Corporation		Ottawa ON	K1G 2H5
ECA	The Regional Municipality of Ottawa-Carleton	Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3	Gloucester ON	K2P 2L7
ECA	Urbandale Corporation		Ottawa ON	K1G 2H5
ECA	Minto Developments Inc.	Lot 19, Concession 1	Ottawa ON	K1R 7Y2
ECA	Richcraft Homes Ltd.		Ottawa ON	K1G 4K1
ECA	Urbandale Corporation		Ottawa ON	K1G 2H5
ECA	Minto Developments Inc.	Lot 19, Concession 1	Ottawa ON	K1R 7Y2
ECA	Richcraft Homes Ltd.		Ottawa ON	K1G 4K1
ECA	City of Ottawa	Limebank Road from Leitrim Road to Spratt Rd	Ottawa ON	K2G 6J8
ECA	Urbandale Corporation		Ottawa ON	K1G 2H5
ECA	Richcraft Homes Ltd.		Ottawa ON	K1G 4K1
EHS		Leitrim Road	Ottawa ON	
GEN	GVT. OF CAN ENVIRONMENT CANADA	RIVER RD. ENVIRONMENTAL TECHNOLOGY CTR. C/O 140 PROMENADE DU PORTAGE, PHASE IV	OTTAWA ON	K1A 0M3
GEN	TRANSPORT CANADA - AKPP	GLOUCESTER LANDFILL WASTE SITE LEITRIM ROAD	GLOUCESTER ON	K1V 9B5
GEN	GLOUCESTER, CITY OF	LEITRIM ROAD P.O. BOX 8333	GLOUCESTER ON	
GEN	ROBADAIR LTD.	BAY 6, 9 LIMEBANK ROAD - GLOUCESTER C/O BOX 5071, STATION "F"	OTTAWA ON	K2C 3H3
GEN	SNC-Lavalin Constructors (Pacific) Inc.	Limebank Road	Ottawa ON	K1X 1G1
NCPL	City of Ottawa - Clarke Bellinger Stormwater	Lot 16, 17 & 18, Conc 1, Rideau Front	Ottawa ON	
NPCB	ENVIRONMENT CANADA	RIVER ROAD LABS	OTTAWA ON	K1A 0H3
PTTW	Clublink Capital Corporation	Lot 18 through 21, Concession II, Ottawa (geographic Township of Cumberland) Cumberland	ON	

SPL		Leitrim Rd	Ottawa ON
SPL	FINES FLOUR	RIVER RD. GLOUCESTER GLOUCESTER PLANT RIVER ROAD	GLOUCESTER CITY ON
SPL	HYDRO ONE	LOT 16, CONC. 1, FORMER CUMBERLAND TOWNSHIP ROAD ALLOWANCE TRANSFORMER	OTTAWA CITY ON

Unplottable Report

<u>Site:</u> Riverside South Development Corp. Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 8169-8G5KMV 2011 5/5/2011 Municipal and Private Sewage Works Approved

7653-8EJM3S

2011 3/7/2011

Approved

<u>Site:</u> Riverside South Development Corp. Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

<u>Site:</u> Richcraft Homes Ltd. Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 9817-7WNR3C 2009 10/15/2009 Municipal and Private Sewage Works Approved

Municipal and Private Sewage Works

Database: CA

Database:

Database: CA

Site:	D & H Rivington Enterprises Inc.	
	Part of Block C. Registered Plan 148 and Part of Lot 18. Concession 2. Village o	Ottawa ON



Certificate #:

9743-6HTRXS



Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 2005 11/7/2005 Municipal and Private Sewage Works Approved

9080-5UYQRL 2004

1/8/2004

Approved

<u>Site:</u> Richcraft Homes Ltd. Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

<u>Site:</u> Urbandale Corporation Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 8787-5YQRUU 2004 5/10/2004 Municipal and Private Sewage Works Approved

Municipal and Private Sewage Works

Site: City of Ottawa

Limebank Road from Leitrim Road to Spratt Rd Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 8399-7YKTTC 2009 12/18/2009 Municipal and Private Sewage Works Approved Database: CA

Database: CA

<u>Site:</u> Urbandale Corporation Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 8145-7TYK8L 2009 7/17/2009 Municipal and Private Sewage Works Approved

<u>Site:</u> Richcraft Homes Ltd. Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 7432-7UVKBU 2009 8/13/2009 Municipal and Private Sewage Works Approved CA

Database:

Database: CA

<u>Site:</u> Riverside South Development Corp. Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 7037-6MXLUE 2006 3/18/2006 Municipal and Private Sewage Works Approved

<u>Site:</u> Urbandale Corporation Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: 6829-6Y7RQX 2007 2/19/2007 Municipal and Private Sewage Works Approved

108

CA

Database:

Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

<u>Site:</u> Minto Developments Inc. Lot 19, Concession 1 Ottawa ON

Urbandale Corporation

Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 6111-5L8MWE 2003 4/3/2003 Municipal and Private Sewage Works Approved Database: CA

Database: CA

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

<u>Site:</u>

5942-6BWPUR 2005 5/3/2005 Municipal and Private Sewage Works Approved

<u>Site:</u> Richcraft Homes Ltd. Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 3841-632P4R 2004 7/20/2004 Municipal and Private Sewage Works Approved Database: CA

<u>Site:</u> Urbandale Corporation Ottawa ON

Certificate #: Application Year: 3681-7QWNXY 2009



Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 4/9/2009 Municipal and Private Sewage Works Approved

<u>Site:</u> Urbandale Corporation Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 2869-6KVTJC 2006 1/12/2006 Municipal and Private Sewage Works Approved

<u>Site:</u> Urbandale Corporation Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 2169-5WVM7Y 2004 3/12/2004 Municipal and Private Sewage Works Approved

<u>Site:</u> Urbandale Corporation Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:

110

2160-765JJX 2007 8/16/2007 Municipal and Private Sewage Works Approved Database: CA

Database: CA

<u>Site:</u> Urbandale Corporation Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 1998-6Y7KJ9 2007 2/12/2007 Municipal and Private Sewage Works Approved

<u>Site:</u> Minto Developments Inc. Lot 19, Concession 1 Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 1915-5L8Q54 2003 5/7/2003 Municipal and Private Sewage Works Approved

Site: Urbandale Corporation Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 1830-6H3P2S 2005 10/14/2005 Municipal and Private Sewage Works Approved

<u>Site:</u> Urbandale Corporation Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: 1712-6N6RR7 2006 3/27/2006 Municipal and Private Sewage Works Approved



Database: CA



<u>Site:</u> The Corporation of the City of Ottawa Lot 18, Conc. 2 (Rideau Front) Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 1336-8BVR72 2010 12/15/2010 Municipal and Private Sewage Works Approved

<u>Site:</u> Richcraft Homes Ltd. Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 1207-5YPRH9 2004 5/6/2004 Municipal and Private Sewage Works Approved

Database: CA

<u>Site:</u> Urbandale Corporation Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 1130-6BLHGE 2005 4/21/2005 Municipal and Private Sewage Works Approved

<u>Site:</u> South Ottawa Collector Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3 Gloucester ON

Certificate #: Application Year: Issue Date: 7728-4QAG7M 00 10/20/00

112

Database:

CA

Database: CA

Approval Type: Status: Application Type: Client Name: Client Address: **Client City:** Client Postal Code: **Project Description:** Contaminants: **Emission Control:**

Industrial air Revoked and/or Replaced New Certificate of Approval Corporation of the Regional Municipality of Ottawa-Carleton 111 Lisgar Street, Heritage Building, N.W. Office Ottawa K2P 2L7 **Odour Control Systems**

Site:

Part of Lot 18 and 19, Concession 1, Spratt Road Gloucester ON

Certificate #:	0122-4NFJF4
Application Year:	00
Issue Date:	8/22/00
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Corporation of the Regional Municipality of Ottawa-Carleton
Client Address:	111 Lisgar Street
Client City:	Ottawa
Client Postal Code:	K2P 2L7
Project Description:	Construction of watermains on Spratt Road from Goldeneye Way to HallowTrail Gate.
Contaminants:	
Emission Control:	

Site:

Part of Lot 18 and 19, Concession 1, Spratt Road Gloucester ON

Certificate #: 0131-4NFJN4 Application Year: 00 8/22/00 Issue Date: Municipal & Private sewage Approval Type: Status: Approved Application Type: New Certificate of Approval Client Name: Corporation of the Regional Municipality of Ottawa-Carleton Client Address: 111 Lisgar Street Client City: Ottawa Client Postal Code: K2P 2L7 **Project Description:** Construction of sanitary and storm sewers on Spratt Road from Goldeneye Way to Hallow Trail Gate. Contaminants: **Emission Control:**

South Ottawa Collector Site: Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3 Gloucester ON

Certificate #:	3-0993-86-006
Application Year:	00
Issue Date:	10/12/00
Approval Type:	Municipal & Private sewage
Status:	Revoked and/or Replaced
Application Type:	Notice
Client Name:	Corporation of the Regional Municipality of Ottawa-Carleton
Client Address:	111 Lisgar St., Heritage Bldg.,1st Fl., N/W Office
Client City:	Ottawa
Client Postal Code:	K2P 2L7
Project Description:	This amendment is for modification to the South Ottawa Tunnel trunk sewer. These modification include preliminary grit and screening removal, conversion to open channel flow and solids conveyance, modifications to the ROPEC riser shaft to allow it to operate as a pump station and odour and corrosion control at the upstream drop shaft and downstream riser shaft.
Contaminants:	

Emission Control:

113

Database:

CA

Database: CA

Database:

СА

Site:

Lot 18, Conc. 2, Longfields Subdivivion - Kilbarron / Beatrice Site Ottawa ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 5544-4XMK2C 01 6/19/01 Municipal & Private water Approved New Certificate of Approval Corporation of the City of Ottawa 101 Centrepointe Drive Ottawa K2G 5K7 Construction of watermains on Clenning Street and Letourneau Street

Site:

Lot 18, Conc. 2, Longfields Subdivivion - Kilbarron / Beatrice Site Ottawa ON

Certificate #:	2570-4XMJSR
Application Year:	01
Issue Date:	6/19/01
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Corporation of the City of Ottawa
Client Address:	101 Centrepointe Drive
Client City:	Ottawa
Client Postal Code:	K2G 5K7
Project Description:	Construction of sanitary and storm sewers on Clenning Street and Letourneau Street.
Contaminants:	
Emission Control:	

<u>Site:</u> South Ottawa Collector Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3 Ottawa ON

Certificate #:	5781-5D7RDZ
Application Year:	02
Issue Date:	9/13/02
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	Amended CofA
Client Name:	City of Ottawa
Client Address:	110 Laurier Avenue West
Client City:	City of Ottawa
Client Postal Code:	K1P 1J1
Project Description:	Enhanced flow control and flooding protection for the Green Creek Collector and provide further reduction in the potential to divert sediments to the South Ottawa Tunnel (SOT) by reducing the accumulation of grit within the upstream Green Creek Collector and Walkley Chamber.

Contaminants: Emission Control:

<u>Site:</u> Claridge Point West Part of Lot 18, Concession 2, Rideau Front Ottawa ON

Certificate #:	6961-57WT5M
Application Year:	02
Issue Date:	3/8/02
Approval Type:	Municipal & Private
Status:	Approved
Application Type:	New Certificate of A

New Certificate of Approval



water



Database: CA

Database: CA

Database:

Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: Claridge Homes Corporation 210 Gladstone Avenue Ottawa

Construction of Watermains

<u>Site:</u> Claridge Point West Part of Lot 18, Concession 2, Rideau Front Ottawa ON

3590-57WTBK

Certificate #:
Application Year:
Issue Date:
Approval Type:
Status:
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

02 3/8/02 Municipal & Private sewage Approved New Certificate of Approval Claridge Homes Corporation 210 Gladstone Avenue Ottawa Construction Storm & Sanitary Sewers

<u>Site:</u> R.M. OF OTTAWA-CARLETON LOT 15, CONC.1, S. URBAN COMM. GLOUCESTER CITY ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 8-4026-95-000 95 1/29/96 Industrial air Application Cancelled

<u>Site:</u> FINE FLOWERS LTD. R.R. #1 RIVER RD. GLOUCESTER CITY ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 8-4065-86-86 3/16/1987 Industrial air Nullity, letter of concurrence issued

WOOD FIRED BOILER

<u>Site:</u> Riverside South Development Corporation (RSDC) ON



115

Database: CA

Database: CA

EBR Registry No:	012-7921	Decision Posted:
Ministry Ref No:	MNRF INST 49/16	Exception Posted:
Notice Type:	Instrument Decision	Section:
Notice Stage:		Act 1:
Notice Date:	April 13, 2017	Act 2:
Proposal Date:	June 14, 2016	Site Location Map:
Year:	2016	
Instrument Type:	(ESA s.17(2) (c)) - Permit for activities w	ith conditions to achieve overall benefit to the species
Off Instrument Name:		
Posted By:		
Company Name:	Riverside South Development Corporation	on (RSDC)
Site Address:		
Location Other:		
Proponent Name:		
Proponent Address:	2193 Arch Street, Ottawa Ontario, Cana	da K1G 3H5
Comment Period:		
URL:		
Site Location Details:		

Part of Lots 21 - 23, Concession 1 (Rideau Front) of the Geographic Township of Gloucester. RSDC Phase 13 includes approximately 49 hectares located east of Spratt Road and south of Earl Armstrong Road in southeastern Ottawa, Ontario. CITY OF OTTAWA

<u>Site:</u> C L	City of Ottawa Lot 15, 16, 17, 1	18, 19, 20, 21, 22, Conc. 1, 2, 3	Ottawa ON K1P 1J1	Database: ECA
Approval	No:	5781-5D7RDZ	MOE District:	
Approval	Date:	2002-09-13	City:	
Status:		Approved	Longitude:	
Record T	ype:	ECA	Latitude:	
Link Soui	rce:	IDS	Geometry X:	
SWP Area	a Name:		Geometry Y:	
Approval	Type:	ECA-MUNICIPAL AI	ND PRIVATE SEWAGE WORKS	
Project T	ype:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business	Name:	City of Ottawa		
Address:		Lot 15, 16, 17, 18, 1	9, 20, 21, 22, Conc. 1, 2, 3	
Full Addr	'ess:			
Full PDF	Link:	https://www.accesse	environment.ene.gov.on.ca/instruments/6977-5ATUWY-14.pdf	
PDF Site	Location:			

Site: Minto Developments Inc. Lot 19, Concession 1 Ottawa ON K1R 7Y2

Approval No:	7864-5L21U4	MOE District.
Approval Date:	2003-04-14	City:
Status:	Approved	Longitude:
Record Type:	ECA	Latitude:
Link Source:	IDS	Geometry X:
SWP Area Name:		Geometry Y:
Approval Type:	ECA-Municipal and Private W	ater Works
Project Type:	Municipal and Private Water V	Vorks
Business Name:	Minto Developments Inc.	
Address:	Lot 19, Concession 1	
Full Address:		
Full PDF Link:		
PDF Site Location:		

Site: Riverside South Development Corp. Ottawa ON K1G 2H5

Approval No:	0166-ACPSEZ
Approval Date:	2016-08-23
Status:	Revoked and/or Replaced

MOE District: City: Longitude:



Database: ECA

ECA IDS

ECA

IDS

Link Source: SWP Area Name: Approval Type: Project Type: **Business Name:** Address: Full Address: Full PDF Link: PDF Site Location:

Record Type:

Latitude: Geometry X: Geometry Y: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS Riverside South Development Corp.

https://www.accessenvironment.ene.gov.on.ca/instruments/3244-A6CPHG-14.pdf

Richcraft Homes Ltd. Site: Ottawa ON K1G 4K1

Database: ECA

Database:

ECA

Database:

ECA

Approval Date:
Status:
Record Type:
Link Source:
SWP Area Name:
Approval Type:
Project Type:
Business Name:
Address:
Full Address:
Full PDF Link:
PDF Site Location:

Annroval No

6566-A7AMSG **MOE District:** 2016-02-23 City: Approved Longitude: Latitude: Geometry X: Geometry Y: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS Richcraft Homes Ltd.

https://www.accessenvironment.ene.gov.on.ca/instruments/1204-A4KTW4-14.pdf

MOE District:

MOE District:

Longitude:

City:

Site: The Regional Municipality of Ottawa-Carleton Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3 Gloucester ON K2P 2L7

3-0993-86-006

4781-4ZEKPM

2001-08-21

Approved

ECA

IDS

FCA

IDS

Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: **Business Name:** Address: Full Address: Full PDF Link: PDF Site Location:

2000-10-12 City: Revoked and/or Replaced Longitude: Latitude: Geometrv X: Geometry Y: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS The Regional Municipality of Ottawa-Carleton Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3 https://www.accessenvironment.ene.gov.on.ca/instruments/1407-4N3NLF-14.pdf

Urbandale Corporation <u>Site:</u> Ottawa ON K1G 2H5

Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full PDF Link PDF Site Location:

Latitude: Geometry X: Geometry Y: ECA-INDUSTRIAL SEWAGE WORKS INDUSTRIAL SEWAGE WORKS **Urbandale Corporation**

https://www.accessenvironment.ene.gov.on.ca/instruments/1402-4Z2HBD-14.pdf

<u>Site:</u> The Regional Municipality of Ottawa-Carleton Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3 Gloucester ON K2P 2L7

Site:Minto De Lot 19, ClApproval No:Approval Date:Status:Record Type:Link Source:SWP Area Name:Approval Type:Project Type:Business Name:Address:Full Address:Full Address:Full PDF Link:PDF Site LocationSite:Richcraft OttawaApproval No:Approval Date:Status:Record Type:Link Source:SWP Area Name:Approval Type:Project Type:Business Name:Address:	6111-5L8MWE 2003-04-03 Approved ECA IDS ECA-MUNICIPAL AN MUNICIPAL AND PR Minto Developments I Lot 19, Concession 1 https://www.accessen C Homes Ltd. ON K1G 4K1 5800-5UYNQD 2004-01-08 Approved ECA IDS ECA-Municipal Drinkin Municipal Drinking Wa Richcraft Homes Ltd.	MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: ID PRIVATE SEWAGE WORKS INVATE SEWAGE WORKS Inc. Notronment.ene.gov.on.ca/instruments/5577-5KZSLL-14.pdf MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: Ing Water Systems ater Systems	Database: ECA
Site: Minto De Lot 19, Cl Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full Address: Full PDF Link: PDF Site Location Site: Richcraft Ottawa Approval Date: Status: Record Type: Link Source: SWP Area Name:	6111-5L8MWE 2003-04-03 Approved ECA IDS ECA-MUNICIPAL AN MUNICIPAL AND PR Minto Developments I Lot 19, Concession 1 https://www.accessen FHomes Ltd. ON K1G 4K1 5800-5UYNQD 2004-01-08 Approved ECA IDS	MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: ID PRIVATE SEWAGE WORKS INVATE SEWAGE WORKS Inc. Novironment.ene.gov.on.ca/instruments/5577-5KZSLL-14.pdf MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:	Database: ECA
Site: Minto De Lot 19, Ci Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full PDF Link: PDF Site Location Site: Richcraft Ottawa Approval No: Approval Date: Status: Poroval Type	6111-5L8MWE 2003-04-03 Approved ECA IDS ECA-MUNICIPAL AN MUNICIPAL AND PR Minto Developments I Lot 19, Concession 1 https://www.accessen Homes Ltd. ON K1G 4K1 5800-5UYNQD 2004-01-08 Approved ECA	MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: ID PRIVATE SEWAGE WORKS IVATE SEWAGE WORKS INCATE SEWAGE WORKS Inc. MOE District: City: Longitude:	Database: ECA
Site: Minto De Lot 19, Ci Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full Address: Full PDF Link: PDF Site Location <u>Site:</u> Richcraft Ottawa	6111-5L8MWE 2003-04-03 Approved ECA IDS ECA-MUNICIPAL AN MUNICIPAL AND PR Minto Developments I Lot 19, Concession 1 https://www.accessen C Homes Ltd. ON K1G 4K1	MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: ID PRIVATE SEWAGE WORKS IVATE SEWAGE WORKS Inc. hvironment.ene.gov.on.ca/instruments/5577-5KZSLL-14.pdf	Database: ECA
Site: Minto De Lot 19, Cl Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full Address: Full PDF Link: PDF Site Location	6111-5L8MWE 2003-04-03 Approved ECA IDS ECA-MUNICIPAL AN MUNICIPAL AND PR Minto Developments Lot 19, Concession 1 https://www.accessen	MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: ID PRIVATE SEWAGE WORKS IVATE SEWAGE WORKS IVATE SEWAGE WORKS Inc.	
Site: Minto De Lot 19, Cl Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full Address:	6111-5L8MWE 2003-04-03 Approved ECA IDS ECA-MUNICIPAL AN MUNICIPAL AND PR Minto Developments I Lot 19, Concession 1 https://www.accessen	MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: ID PRIVATE SEWAGE WORKS IVATE SEWAGE WORKS INC.	LUA
Site: Minto De Lot 19, Co Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address:	oncession 1 Ottawa ON K1R 7Y2 6111-5L8MWE 2003-04-03 Approved ECA IDS ECA-MUNICIPAL AN MUNICIPAL AND PR Minto Developments I	MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: ID PRIVATE SEWAGE WORKS IVATE SEWAGE WORKS Inc.	LUA
<u>Site:</u> Minto De Lot 19, Cl Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type:	oncession 1 Ottawa ON K1R 7Y2 6111-5L8MWE 2003-04-03 Approved ECA IDS ECA-MUNICIPAL AN	MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: ID PRIVATE SEWAGE WORKS	LUA
<u>Site:</u> Minto De Lot 19, C Approval No: Approval Date: Status: Record Type: Link Source:	oncession 1 Ottawa ON K1R 7Y2 6111-5L8MWE 2003-04-03 Approved ECA IDS	MOE District: City: Longitude: Latitude: Geometry X:	
<u>Site:</u> Minto De Lot 19, Co Approval No: Approval Date: Status:	6111-5L8MWE 2003-04-03 Approved	MOE District: City: Longitude:	
<u>Site:</u> Minto De Lot 19, C Approval No:	oncession 1 Ottawa ON K1R 7Y2 6111-5L8MWE 2003-04-03	MOE District: City:	204
<u>Site:</u> Minto De Lot 19. C	oncession 1 Ottawa ON K1R 7Y2		LUA
	velopments Inc.		Database:
Full Address: Full PDF Link: PDF Site Location	https://www.accessen	nvironment.ene.gov.on.ca/instruments/3747-5YPLC8-14.pd	
Business Name: Address:	Urbandale Corporatio	n	
Approval Type: Project Type:	ECA-MUNICIPAL AN MUNICIPAL AND PR	ID PRIVATE SEWAGE WORKS	
Link Source: SWP Area Name:	IDS	Geometry X: Geometry Y:	
Record Type:	ECA	Latitude:	
Approval No: Approval Date: Status:	8787-5YQRUU 2004-05-10 Approved	MOE District: City: Longitude:	
<u>Site:</u> Urbandal Ottawa	e Corporation ON K1G 2H5		Database: ECA
Full PDF Link: PDF Site Location	https://www.accessen	nvironment.ene.gov.on.ca/instruments/4846-4P7RCV-14.pd	f
Address: Full Address:	Lot 15, 16, 17, 18, 19	Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3	
Project Type: Business Name:	AIR The Regional Municip	pality of Ottawa-Carleton	
SWP Area Name: Approval Type:	ECA-AIR	Geometry Y:	
Link Source.	IDS	Latitude: Geometry X:	
Record Type:	Revoked and/or Replaced	Longitude:	
Status: Record Type:	2000-10-20	City:	
Approval No: Approval Date: Status: Record Type: Link Source:	7728-4QAG7M	MOE District:	

<u>Site:</u> Urbandale C Ottawa ON	orporation K1G 2H5		Database: ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full Address: Full PDF Link: PDF Site Location:	1830-6H3P2S 2005-10-14 Revoked and/or Replaced ECA IDS ECA-MUNICIPAL AND F MUNICIPAL AND PRIVA Urbandale Corporation https://www.accessenviro	MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: PRIVATE SEWAGE WORKS TE SEWAGE WORKS	4.pdf
<u>Site:</u> Minto Develo Lot 19, Cond	opments Inc. ession 1 Ottawa ON K1R 7Y2		Database: ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full Address: Full PDF Link: PDF Site Location:	1915-5L8Q54 2003-05-07 Approved ECA IDS ECA-MUNICIPAL AND F MUNICIPAL AND PRIVA Minto Developments Inc. Lot 19, Concession 1 https://www.accessenviro	MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: PRIVATE SEWAGE WORKS TE SEWAGE WORKS	4.pdf
<u>Site:</u> Richcraft Ho Ottawa ON	mes Ltd. K1G 4K1		Database: ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full Address: Full PDF Link: PDF Site Location:	5204-4RGRNN 2000-12-01 Approved ECA IDS ECA-Municipal and Priva Municipal and Private Wa Richcraft Homes Ltd.	MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: ate Water Works ater Works	
<u>Site:</u> City of Ottaw Limebank Re Approval No: Approval Date: Status: Record Type:	va pad from Leitrim Road to Spratt Rd 8399-7YKTTC 2009-12-18 Approved ECA	Ottawa ON K2G 6J8 MOE District: City: Longitude: Latitude:	Database: ECA
119 erisinfo	.com Environmental Risk Information	tion Services	Order No: 22082204365

IDS

ECA

IDS

Link Source: SWP Area Name: Approval Type: Project Type: **Business Name:** Address: Full Address: Full PDF Link: PDF Site Location:

Geometry X: Geometry Y: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS City of Ottawa Limebank Road from Leitrim Road to Spratt Rd

https://www.accessenvironment.ene.gov.on.ca/instruments/0867-7WSQ87-14.pdf

Site: Urbandale Corporation Ottawa ON K1G 2H5

Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: **Business Name:** Address: Full Address: Full PDF Link: PDF Site Location: 0666-5YQRZ3 **MOE District:** 2004-05-10 City: Approved Longitude: Latitude: Geometry X: Geometry Y: ECA-Municipal Drinking Water Systems Municipal Drinking Water Systems **Urbandale** Corporation

Richcraft Homes Ltd. Site: Ottawa ON K1G 4K1

Approval No: 9080-5UYQRL **MOE District:** Approval Date: 2004-01-08 City: Status: Approved Longitude: Record Type: ECA Latitude: Link Source: IDS Geometry X: SWP Area Name: Geometrv Y: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Approval Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: **Business Name:** Richcraft Homes Ltd. Address: Full Address: https://www.accessenvironment.ene.gov.on.ca/instruments/5802-5UQM74-14.pdf Full PDF Link: PDF Site Location:

Site:

Leitrim Road Ottawa ON

Order No: 20020522022 Status: С Report Type: **Basic Report** Report Date: 5/31/02 5/22/02 Date Received: Previous Site Name: Lot/Building Size: Additional Info Ordered:

Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): Х: Y:

Leitrim Road & Albion Road Ottawa ON 0.25 -75.626738 45.320131

<u>Site:</u>	<u>te:</u> GVT. OF CAN ENVIRONMENT CANADA RIVER RD. ENVIRONMENTAL TECHNOLOGY CTR. C/O 140 PROMENADE DU PORTAGE, PHASE IV OTTAWA ON K1A 0M3			Database: GEN
Generat	tor No:	ON0198101	Status:	
SIC Coc	le:	8173	Co Admin:	

erisinfo.com | Environmental Risk Information Services



Database: **ECA**

Database: ECA

Database: EHS
SIC Description: Approval Years: PO Box No: Country:

ENVIRON. ADMIN. 86,87,88,89,90

Detail(s)

Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS
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:	211
Waste Class Desc:	AROMATIC SOLVENTS
Waste Class:	222
Waste Class Desc:	HEAVY FUELS
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES

TRANSPORT CANADA - AKPP Site: GLOUCESTER LANDFILL WASTE SITE LEITRIM ROAD GLOUCESTER ON K1V 9B5

Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country:

ON0175146 8159 OTHER GEN. ADMIN. 97,98,99,00,01

148

Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:

Choice of Contact:

Phone No Admin:

Contam. Facility: MHSW Facility:

Detail(s)

Waste Class: Waste Class Desc:

INORGANIC LABORATORY CHEMICALS

Site: GLOUCESTER, CITY OF LEITRIM ROAD P.O. BOX 8333 GLOUCESTER ON

Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country:

121

ON0088601 0000 *** NOT DEFINED *** 88,89,92,93,94

Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:

Site: ROBADAIR LTD.

BAY 6, 9 LIMEBANK ROAD - GLOUCESTER C/O BOX 5071, STATION "F" OTTAWA ON K2C 3H3

Database: GEN

GEN

GEN

Database:

Database:

ON0528100 0007 LETTER ACKNOWLEDG. 86,87,88

<u>Site:</u>	SNC-Lavalin Co Limebank Roac	onstructors (Pacific) Inc. I Ottawa ON K1X 1G1			Database: GEN
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country:		ON4097601 As of Jul 2020	Status: Co Admin: Choice of Contact: Phone No Admin:	Registered	
		Canada	Contam. Facility: MHSW Facility:		
<u>Detail(s</u>	<u>.</u>)				
Waste Waste	Class: Class Desc:	146 L Other specified inorganic sludg	ges, slurries or solids		
<u>Site:</u>	Site:City of Ottawa - Clarke Bellinger StormwaterDatabase:Lot 16, 17 & 18, Conc 1, Rideau FrontOttawa ONNCPL				
Year: Site Na Facility	me: Owner:	2008			
Discha Sector:	rge Type:	Industrial Sewage Miscellaneous Industrial			
District	Area: Concern:	Ottawa CofA/Permit Non-Compliance			
Contan Status	ninant: Report:	ESCHERICHIA COLI			
<u>Details</u>					
Inciden Exceed Exceed Limit/U Quantit Facility Ministr	t Date: lance Start Date: lance End Date: nit/Freq: y Min/Max: Action: y Action:	9/5/2008 9/5/2008 9/16/2008 100 per 100 mL 140/2300 Equipment Modified, Repaired Other Abatement Action Taker	, Replaced or Re-calibrated		
<u>Site:</u>	ENVIRONMENT RIVER ROAD L	T CANADA ABS OTTAWA ON K1A 0H3			Database: NPCB
Compa Industr	ny Code: y:	O4008 Environment Canada			
Site Sta Transa Inspect	atus: ction Date: ion Date:	11/19/1991			
<u>Site:</u>	Clublink Capita Lot 18 through	l Corporation 21, Concession II, Ottawa (geographic	Township of Cumberland) Cumb	erland ON	Database: PTTW
EBR Re	egistry No:	IA04E1240 ER-5527-5X11 TI	Decision Posted:		
Notice Notice	Type: Stage:	Instrument\sDecision	Section: Act 1:		

Act 2:

Site Location Map:

erisinfo.com | Environmental Risk Information Services

October\s19,\s2004

August\s24,\s2004 2004

Order No: 22082204365

122

Notice Date:

Year:

Proposal Date:

Instrument Type: Off Instrument Name: Posted By: Company Name: Site Address: Location Other: Proponent Name: Proponent Address: Comment Period: URL: (OWRA\ss.\s34)\s-\sPermit\sto\sTake\sWater

Clublink\sCapital\sCorporation

15675\sDufferin\sStreet,\sKing\sCity\sOntario,\sL7B\s1K5

Site Location Details:

Lot 18 through 21, Concession II, Ottawa (geographic Township of Cumberland) Cumberland

<u>Site:</u> Leitrim Rd	Ottawa ON			Database: SPL
Ref No:	3708-8HTL5H	Discharger Report:		
Site No:		Material Group:		
Incident Dt:	6/13/2011	Health/Env Conseq:		
Year:		Client Type:		
Incident Cause:	Cooling System Leak	Sector Type:	Other	
Incident Event:		Agency Involved:		
Contaminant Code:	38	Nearest Watercourse:		
Contaminant Name:	FREON R-134A (CFC)	Site Address:	Leitrim Rd	
Contaminant Limit 1:		Site District Office:		
Contam Limit Freq 1:	:	Site Postal Code:		
Contaminant UN No	1:	Site Region:		
Environment Impact:	Confirmed	Site Municipality:	Ottawa	
Nature of Impact:	Air Pollution; Other Impact(s)	Site Lot:		
Receiving Medium:		Site Conc:		
Receiving Env:		Northing:		
MOE Response:	Referral to others	Easting:		
Dt MOE Arvl on Scn:	_ / /	Site Geo Ref Accu:		
MOE Reported Dt:	6/14/2011	Site Map Datum:		
Dt Document Closed	:	SAC Action Class:	Air Spills - Gases and Vapours	
Incident Reason:		Source Type:		
Site Name:	Canadian Military Base <u< th=""><th>JNOFFICIAL></th><th></th><th></th></u<>	JNOFFICIAL>		
Site County/District:				
Site Geo Ref Meth:	Can Military Base, Ottown	170 lb freese to ster AQ with		
incident Summary:		TO UNITEON TO ATM. AC UNIT		
Contaminant Qty:	/ ð Kg			

<u>Site:</u> FINES FLOUR RIVER RD. GLOUCESTER GLOUCESTER PLANT RIVER ROAD GLOUCESTER CITY ON

176	Discharger Report:	
	Material Group:	
2/9/1988	Health/Env Conseq:	
	Client Type:	
OTHER CONTAINER LEAK	Sector Type:	
	Agency Involved:	
	Nearest Watercourse:	
	Site Address:	
	Site District Office:	
	Site Postal Code:	
	Site Region:	
NOT ANTICIPATED	Site Municipality:	20105
SOIL CONTAMINATION	Site Lot:	
LAND	Site Conc:	
	Northing:	
	Easting:	
	Site Geo Ref Accu:	
2/9/1988	Site Map Datum:	
	176 2/9/1988 OTHER CONTAINER LEAK NOT ANTICIPATED SOIL CONTAMINATION LAND 2/9/1988	176Discharger Report: Material Group:2/9/1988Health/Env Conseq: Client Type:OTHER CONTAINER LEAKSector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region:NOT ANTICIPATED SOIL CONTAMINATIONSite Municipality: Site Conc: Northing: Easting: Site Geo Ref Accu: 2/9/1988

Database:

SPL

MATERIAL FAILURE

Incident Summary: Contaminant Qty:

OIL FROM ABOVE GROUND STORAGE TANK TO GROUND.

SAC Action Class:

Source Type:

<u>Site:</u>	HYDRO ONE LOT 16, CONC.	1, FORMER CUMBERLAND TOWNSHIP ROAD	ALLOWANCE TRANSFOR	MER OTTAWA CITY ON	Database: <mark>SPL</mark>
Ref No:		203120	Discharger Report:		
Site No:	_		Material Group:		
Incident	Dt:	6/11/2001	Health/Env Conseq:		
Year:	-		Client Type:		
Incident	Cause:	OTHER CAUSE (N.O.S.)	Sector Type:		
Incident	Event:		Agency Involved:		
Contam	inant Code:		Nearest Watercourse:		
Contam	inant Name:		Site Address:		
Contam	inant Limit 1:		Site District Office:		
Contam	Limit Freq 1:		Site Postal Code:		
Contam	Inant UN NO 1:	De se'h le	Site Region:	00407	
Environ	ment Impact:		Site Municipality:	20107	
Nature c	of Impact:	Soli contamination	Site Lot:		
Receivir	ng Medium:	Land	Site Conc:		
Receivir	ig Env:		Northing:		
MOE Re	sponse:		Easting:		
	Arvi on Sch:	6/11/2001	Site Geo Ref Accu:		
MUE Re	portea Dt:	6/11/2001	Site Map Datum:		
Dt Docu	ment Closea:	OTHER	SAC ACTION Class:		
Site Nor	Reason:	OTHER	Source Type:		
Site Nail	nty/District:				
Site Geo	Ref Meth:				
Incident	Summary:	HYDRO ONE: SPILL OF TWO LITRES	OF NON-PCB MINERALO	IL TO GROUND-CLEANED.	
Contam	inant Qty:				

Order No: 22082204365

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:

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:

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage. Government Publication Date: Up to Nov 2021

Abandoned Mine Information System:

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Government Publication Date: 1800-Mar 2022

Anderson's Waste Disposal Sites:

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:

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:

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type. Government Publication Date: 1999-May 31, 2022

Borehole: 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

Provincial

Provincial

Provincial

AAGR

AGR

AMIS

ANDR

AST

AUWR

Private

Provincial

Private

Provincial

Certificates of Approval:

Dry Cleaning Facilities: List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's

Commercial Fuel Oil Tanks:

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.

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

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

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.*

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this

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).

Government Publication Date: Feb 28, 2022

Chemical Manufacturers and Distributors:

Government Publication Date: 1985-Oct 30, 2011*

Government Publication Date: Jan 2004-Dec 2020

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

Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Chemical Register:

Government Publication Date: 1999-May 31, 2022

Compressed Natural Gas Stations:

Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 2012 - Apr 2022

Inventory of Coal Gasification Plants and Coal Tar Sites: 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

Government Publication Date: Apr 1987 and Nov 1988*

have been found guilty of environmental offenses in Ontario courts of law.

Please refer to those individual databases for any information after Oct.31, 2011.

tetrachloroethylene to the environment from dry cleaning facilities.

Compliance and Convictions:

Certificates of Property Use:

126

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

Government Publication Date: 1994 - Jun 30, 2022

Government Publication Date: 1989-Jun 2022

Provincial

Federal

Provincial

Private

CHM

Private Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at

Provincial

Private

COAL

Provincial This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here

Provincial

CPU

CONV

CA

CDRY

CFOT

CHEM

CNG

erisinfo.com | Environmental Risk Information Services

Drill Hole Database:

Delisted Fuel Tanks:

Environmental Activity and Sector Registry:

Government Publication Date: Feb 28, 2022

company map; or from submitted a "Report of Work". Government Publication Date: 1886 - Sep 2020

regulatory agency under Access to Public Information.

activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database. Government Publication Date: Oct 2011- Jun 30, 2022

Environmental Registry:

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases. Government Publication Date: 1994 - Jun 30, 2022

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

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

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 2011- Jun 30, 2022

Environmental Effects Monitoring:

ERIS Historical Searches:

127

Environmental Compliance Approval:

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 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-Mar 31, 2022

Environmental Issues Inventory System:

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*

Provincial

DRI

EASR

FBR

FCA

EEM

EHS

FIIS

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

Provincial On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain

Provincial

Provincial

Federal The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of

Private

Federal

Emergency Management Historical Event:

Government Publication Date: Dec 31, 2016 Environmental Penalty Annual Report:

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations. Government Publication Date: Jan 1, 2011 - Dec 31, 2021

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.

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.

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

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Federal Convictions:

List of Expired Fuels Safety Facilities:

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*

Federal Contaminated Sites on Federal Land: FCS The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

Government Publication Date: Jun 2000-Jun 2022

Fisheries & Oceans Fuel Tanks:

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):

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

Fuel Storage Tank: FST List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

128

system may be refused product delivery. Government Publication Date: May 31, 2018

Federal

Federal

Provincial



Provincial

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

FMHF

EPAR

EXP

FOFT

FRST

Provincial

Provincial

Federal

Order No: 22082204365

Fuel Storage Tank - Historic:

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:

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

Government Publication Date: 1986-Apr 30, 2022

Greenhouse Gas Emissions from Large Facilities:

dioxide equivalents (kt CO2 eq). Government Publication Date: 2013-Dec 2019

Provincial **TSSA Historic Incidents:** 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*

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon

Indian & Northern Affairs Fuel Tanks:

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*

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing in a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Fuel Oil Spills and Leaks:

Landfill Inventory Management Ontario:

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Mar 21, 2022

Canadian Mine Locations:

129

MINE This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database. Government Publication Date: 1998-2009*

Private

Provincial

Provincial

Provincial

Provincial

Federal

Federal

FSTH

GEN

GHG

IAFT

INC

LIMO

Mineral Occurrences:

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Government Publication Date: 1846-Feb 2022

National Analysis of Trends in Emergencies System (NATES):

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

Government Publication Date: Dec 31, 2020

National Defense & Canadian Forces Fuel Tanks:

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:

National Defence & Canadian Forces Waste Disposal Sites:

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

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*

Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Pipeline Incidents:

National Energy Board Wells:

130

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

Government Publication Date: 1920-Feb 2003*

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified

Federal

Federal

Federal

Federal

Provincial

MNR

NATE

NDFT

NDWD

NFBI

NEBP

Federal In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of

Provincial

Federal

NDSP

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 2004.

Government Publication Date: 1974-2003*

National PCB Inventory:

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:

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

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.

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

Government Publication Date: 1988-May 31, 2022

Ontario Oil and Gas Wells:

Oil and Gas Wells:

geology/stratigraphy table information, plus all water table information is also provide for each well record. Government Publication Date: 1800-Jan 2021

Inventory of PCB Storage Sites: 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

Government Publication Date: 1994 - Jun 30, 2022

Canadian Pulp and Paper:

Orders:

131

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.

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

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks:

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

conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

NFFS

NPCB

NPRI

Federal

Federal

Private

Provincial

Federal

OGWF

OOGW

Provincial

Provincial

ORD

PAP

PCFT

Private

Federal

132

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides. Government Publication Date: Oct 2011- Jun 30, 2022

Pipeline Incidents:

Permit to Take Water:

Pesticide Register:

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness. Government Publication Date: Feb 28, 2021

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*

Private and Retail Fuel Storage Tanks:

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water. Government Publication Date: 1994 - Jun 30, 2022

Ontario Regulation 347 Waste Receivers Summary: REC Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data. Government Publication Date: 1986-1990, 1992-2019

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-Jun 2022

Retail Fuel Storage Tanks:

Scott's Manufacturing Directory:

Government Publication Date: 1992-Mar 2011*

Record of Site Condition:

or propane storage tanks. Government Publication Date: 1999-May 31, 2022

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.

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

Government Publication Date: 1988-Sep 2020; Dec 2020-Mar 2021

Provincial

Provincial

Provincial

Provincial

Private

Private

Provincial

Provincial

PINC

PRT

PTTW

RSC

RST

SCT

PES

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and /

Provincial

Order No: 22082204365

Wastewater Discharger Registration Database: 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

sampling information is now collected and stored within the Sample Result Data Store (SRDS). Government Publication Date: 1990-Dec 31, 2020

Anderson's Storage Tanks: The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks,

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:

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type. Government Publication Date: 1970 - Dec 2020

Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All

containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business

Variances for Abandonment of Underground Storage Tanks:

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory:

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Oct 2011- Jun 30, 2022

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

erisinfo.com | Environmental Risk Information Services

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:

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: Jan 31, 2022

Provincial

SRDS

TANK

TCFT

VAR

WDS

WDSH

Private

Federal

Provincial

Provincial

Provincial

Provincial

WWIS

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report. This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

<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.

APPENDIX 3

QUALIFICATIONS OF ASSESSORS





Mark S. D'Arcy, P.Eng., QP_{ESA} Senior Environmental/Geotechnical Engineer

After receiving his Bachelors of Applied Science from Queen's University in 1991 in Geological Engineering, Mark joined Paterson Group Inc. During the first 10 years of Mark's career, he was heavily involved in all aspects of field work, including drilling boreholes, excavating test pits, conducting phase I site inspections, environmental sampling and analysis and inspection of environmental remediations. During Mark's field experience, he gained invaluable field and office experience, which would prepare Mark to become the Environmental Division Manager. Mark's field experience ranges from Phase I Environmental Site Assessments (ESAs) to on-site soil and groundwater remediations, as well as, environmental/geotechnical borehole investigations. Mark's field experience has provided extensive knowledge of subsurface conditions, contractor relations and project management. These skills would provide Mark with the ability to understand a variety of situations, which has lead Paterson to an extremely successful Environmental Department. Mark became the Environmental Manager in 2006, which consisted of two engineers and two field technicians. Mark has been an integral part in growing the Environmental Division, which now consists of nine engineers and three field technicians. Mark is the Senior Project Manager for a wide variety of environmental projects within the Eastern Ontario area including Phase I ESAs, Phase II ESAs, remediations for filing Records of Site Condition in the Ontario Ministry of the Environment and Climate Change (MOECC) Environmental Site Registry, Brownfield Applications and Landfill Monitoring Programs. As the Senior Project Manager, Mark is responsible for directing project personnel, final report review and overall project success. Mark has proven leadership and ability to manage small to large scale projects within the allotted time and budget.

EDUCATION

B.A.Sc. 1991, Geological Engineering Queen's University Kingston, ON

LICENCE / PROFESSIONAL AFFILIATIONS

Professional Engineers of Ontario

Ottawa Geotechnical Group

ESA Qualified Person with MECP

Consulting Engineers of Ontario

YEARS OF EXPERIENCE

With Paterson: 31

OFFICE LOCATION

9 Auriga Drive, Ottawa, Ontario, K2E 7T9

SELECT LIST OF PROJECTS

- 222 Beechwood Avenue, Ottawa, Ontario (Senior Project Manager for Phase I ESA, Phase II ESA, Environmental Remediation)
- 409 MacKay Street, Ottawa, Ontario (Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- Art's Court Redevelopment, Ottawa, Ontario (Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- Visitor Welcome Centre, Phase II and Phase III, Parliament Hill, Ottawa, Ontario (Senior Project Manager for Environmental Remediation)
- Mattawa Landfill, Mattawa, Ontario (Senior Project Manager, Annual Water Quality Monitoring report)
- Multi-Phase Redevelopment of the Ottawa Train Yards, Ottawa, Ontario (Senior Project Manager)
- Rideau Centre Expansion, Ottawa, Ontario (Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- 26 Stanley Avenue, Ottawa, Ontario, Phase I ESA, Phase II ESA(Senior Project Manager)
- Riverview Development Kingston, Ontario, Phase I ESA, Phase II ESA, and filing of an RSC in the MOECC Environmental Site Registry (Senior Project Manager)
- Monitoring Landfills for River Valley, Kipling and Lavagine (Senior Project Manager)
- Energy Services Acquisition Program–Modernization Project- Ottawa; Environmental Services (Senior Project Manager)



PROFESSIONAL EXPERIENCE

May 2001 to present, Manager of Environmental Division, Paterson Group, Ottawa, Ontario

- Manage all aspects of the environmental division (management of personnel, budgeting, invoicing, scheduling, business development, reporting, marketing, and fieldwork).
- Review day to day operations within the environmental division.
- Design, perform, and lead Phase I, II and Phase III ESAs, Remediation's, Brownfield Applications and Record of Site conditions, fieldwork surveys, excavation, monitoring, laboratory analysis, and interpretation.
- Write, present, and publish reports with methodology and laboratory analysis results, along with recommendations for environmental findings.
- Responsible for ensuring projects meet Ministry of Environment and Climate Change Standards and Guidelines.
- Building and fostering relationships with clients, stakeholders, and Ministry officials.
- Supervise and continuous training of staff in environmental methods (environmental sampling techniques, technical expertise and guidance).
- Applied due diligence in ensuring the health and safety of staff and the public in field locations.

1991 to 2001, Geotechnical and Environmental Engineer, Paterson Group, Ottawa, Ontario

- Provide on-site geotechnical and environmental expertise to various clients.
- Oversee geotechnical and environmental investigations for drilling and test pitting on numerous proposed utility installations, residential and commercial developments.
- Problem solving to help advance or maintain project schedules.
- Complete environmental reports with recommendations to meet environmental standards set by MOE and CCME standards.
- Conduct site inspections, bearing medium evaluations, bearing surface inspections, concrete testing and field density testing.
- Liaising with contractors, consultants and government officials.
- Provide cost estimates for geotechnical and environmental field programs and construction costs.
- Review RFI's, submittals, monthly progress reports and other various construction related work.



Curtis Black, M.Eng., EIT Junior Environmental Engineer

Curtis joined Paterson Group in 2019 as part of the Materials Testing Group before transitioning to the Environmental Group in 2022. Curtis received his Bachelor of Environmental Engineering degree from Carleton University in 2017, as well as a Master of Sustainable Energy Engineering from Carleton in 2021. In his time with Paterson, Curtis has been involved primarily in residential and commercial projects across Ontario, where he completed environmental and geotechnical sampling programs, Phase I and II environmental assessments (CSA and MECP standards), supervision of remediation, material testing, and construction recommendations. His scope of work now consists of environmental investigation and reporting, field inspections, soil and groundwater sampling, remediation supervision, and ensuring regulatory compliance to applicable environmental standards.

EDUCATION

Bachelor of Engineering Environmental, 2017 Carleton University Ottawa, Ontario

Master of Engineering Sustainable Energy, 2021 Carleton University Ottawa, Ontario

LICENCE/PROFESSIONAL AFFILIATIONS

Professional Engineers of Ontario

YEARS OF EXPERIENCE With Paterson: 3

OFFICE LOCATION

9 Auriga Drive, Ottawa, Ontario, K2E 7T9

SELECT LIST OF PROJECTS

- Caivan Communities: The Ridge, Ottawa, ON (Site Remediation Coordinator & Supervisor).
- 1635 Lycée Place, Ottawa, ON, Large-Scale Remediation, (Site Remediation Coordinator and Supervisor).
- Amazon Fulfilment Center, 222 Citigate Drive, Barrhaven, ON, (Construction Supervision, Material Testing Monitoring, Remediation Supervision).
- 3700 Twin Falls Place, Nepean, ON, (Phase I – Environmental Site Assessment)
- Industrial Warehouse, 822 Burton Road, Vars, ON, (Construction Supervision, Material Testing, Final Inspections).
- Trails Edge Residential Development, Orleans, ON, (Full Time Supervision, Site Servicing Inspections, Material Sampling and Various Inspections).
- Excess Soil Sampling and Testing, Various Sites, Ottawa Area.
- Soil, Water, and Sediment Sampling, Various Sites.



PROFESSIONAL EXPERIENCE

April 2021 to present, Junior Environmental Engineer, Paterson Group, Ottawa, Ontario

- Conducting Phase I and Phase II Environmental Site Assessments in accordance with CSA standards and O.Reg. 153/04.
- Responsible for the application of environmental, hydrogeological, and/or geotechnical principles and practices in the identification and delineation of soil and groundwater contamination plumes while ensuring compliance with federal, provincial, and/or municipal legal and regulatory requirements.
- Presenting analytical test results, interpretations, assessments, recommendations and/or conclusions in a final technical report.
- Field experience in the supervision of drilling and excavation contractors, inspection of aboveground and underground fuel storage tanks, soil and rock classification, soil and groundwater field sampling, as well as the collection of hazardous building materials and designated substances.
- Coordination and on-site supervision of soil and groundwater remediation activities for contaminated sites.
- Liaising with clients, contractors, consultants, and government officials.
- Coordination of contractors and field staff while directly reporting to senior management and client to ensure completion of project on schedule and within budget.

November 2019 to 2022, Junior Field Engineer, Paterson Group, Ottawa, Ontario

- Field experience in the supervision of drilling and excavation contractors, inspection of soil and bedrock materials for foundation development, material testing and field sampling programs, as well as ensuring foundation materials and construction comply with engineered drawings.
- Coordination and on-site supervision of contractors.
- Liaising with clients, contractors, project managers, superintendents, and government officials.
- Coordination of contractors and field staff while directly reporting to senior management and client to ensure completion of project on schedule and within budget.