Geotechnical Engineering

**Environmental Engineering** 

**Hydrogeology** 

Geological Engineering

**Materials Testing** 

**Building Science** 

Archaeological Services

# patersongroup

**Phase I-Environmental Site Assessment** 

927 March Road Ottawa, Ontario

**Prepared For** 

**Brigil Construction** 

# **Paterson Group Inc.**

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

Tel: (613) 226-7381 Fax: (613) 226-6344 www.patersongroup.ca April 27, 2020

Report: PE4925-1



#### **TABLE OF CONTENTS**

EXE(	CUTIV	E SUMMARY	i
1.0	INTR	ODUCTION	
2.0	PHAS	SE I PROPERTY INFORMATION	
3.0		PE OF INVESTIGATION	
4.0		ORDS REVIEW	
		General	
	4.2	Environmental Source Information	5
	4.3	Physical Setting Sources	
5.0		RVIEWS	
6.0	SITE	RECONNAISSANCE	10
	6.1	General Requirements	10
	6.2	Specific Observations at the Phase I Property	10
7.0	REVI	EW AND EVALUATION OF INFORMATION	12
		Land Use History	
	7.2	Conceptual Site Model	12
8.0	CON	CLUSIONS	14
9.0	STAT	FEMENT OF LIMITATIONS	15
10.0	REF	ERENCES	16

# **List of Figures**

Figure 1 - Key Plan

Figure 2 - Topographic Map

Drawing PE4925-1 - Site Plan

Drawing PE4925-2 - Surrounding Land Use Plan

# **List of Appendices**

Appendix 1 Aerial Photographs

Site Photographs

Appendix 2 MECP Well Records

HLUI Response ERIS Report

Appendix 3 Qualifications of Assessors



#### **EXECUTIVE SUMMARY**

#### Assessment

Paterson Group was retained by Brigil Construction to conduct a Phase I-Environmental Site Assessment (ESA) for a large portion of the property located at 927 March Road, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the subject site and the Phase I Study Area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical research, the Phase I Property was occupied by two (2) barns prior to 1976 as part of a farmstead located to the east, which is a smaller track of land addressed 927 March Road. A barn structure was demolished circa 2002. The majority of the subject land has been used for agricultural purposes while a small part of the southeast portion of the land was used for the storage of farm implements and related materials (i.e. hay bails, lumber, etc.) between 1991 and 2008. No potentially contaminating activities (PCAs) were identified during the historical review of the Phase I Property.

Historical land use of the neighbouring properties included farmsteads and agricultural land with no PCAs being identified within the Phase I Study Area.

Following the historical research, a site visit was conducted. The Phase I Property appears to be vacant with one small barn, while the remaining land exists as agricultural land. The neighbouring properties to the north, east, and west are occupied by farmsteads, residences and/or agricultural lands. Some commercial businesses are present along March Road, south of the Phase I Property. No PCAs were noted with the current use of the Phase I Property or the lands within the Phase I Study Area.

#### Conclusion

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



# 1.0 INTRODUCTION

At the request of Brigil Construction, Paterson Group (Paterson) conducted a Phase I-Environmental Site Assessment (Phase I-ESA) for the property located at 927 March Road, in the City of 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 subject properties.

Paterson was engaged to conduct this Phase I-ESA by Mr. Jean-Luc Rivard from Brigil Construction. The head office is located at 98 Rue Lois, Gatineau, Quebec. Mr. Rivard can be reached by telephone at (819) 243-7392.

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

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



# 2.0 PHASE I PROPERTY INFORMATION

Address: Part of 927 March Road, Ottawa, Ontario

Legal Description: Part of Lot 12, Concession 3, Geographic Township of

March, City of Ottawa.

Location: The Phase I Property is located on the west side of

March Road, approximately 90 m north of the Old Carp Road and March Road intersection, in the City of Ottawa, Ontario. For the purposes of this report, March Road is assumed to run in a north-south direction. The subject site is shown on Figure 1 – Key Plan, following

the body of this report (Figures section).

Latitude and Longitude: 45° 21' 33.73" N, 75° 56' 26.62" W

Site Description:

Configuration: Irregular

Area: 14.72 hectares (approximately)

Zoning: RU – Rural Zone with the central portion across the

site, designated as a flood plain of which Shirley's Brook tributary transects the Phase I Property in an approximate west to southeast direction through the

eastern property boundary.

Current Use: The subject site is vacant land used for agricultural

purpose.

Services: The Phase I Property is situated in an area where

private wells and septic systems are relied upon. It is expected that the Phase I Property will be provided with

municipal services upon development.



# 3.0 SCOPE OF INVESTIGATION

e scope of work for this Phase I $-$ Environmental Site Assessment was as ows:
Determine the historical activities on the subject site and study area by conducting a review of readily available records, reports, photographs, plans, mapping, databases, and regulatory agencies;
Investigate the existing conditions present at the subject site and study area by conducting site reconnaissance;
Conduct interviews with persons knowledgeable of current and historic operations on the subject properties, and if warranted, neighbouring properties;
Present the results of our findings in a comprehensive report in general accordance with the requirements of O.Reg. 269/11 amending O.Reg. 153/04 made under the Environmental Protection Act and in compliance with the requirements of CSA Z768-01;
Provide a preliminary environmental site evaluation based on our findings;
Provide preliminary remediation recommendations and further investigative work if contamination is suspected or encountered.



# 4.0 RECORDS REVIEW

#### 4.1 General

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

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

#### First Developed Use Determination

Based on the historical review, the 1934 to 1976 aerial photographs, the Phase I Property was appeared to be occupied by two (2) barn style structures associated with a farmstead to the immediate east in 1976. The age of the barn is unknown, therefore, therefore, for the purpose of this assessment the first developed use is taken to be in 1976 for agricultural purposes.

#### Fire Insurance Plans

Fire Insurance Plans (FIPs) are not available for the subject site and surrounding lands.

#### **City of Ottawa Street Directories**

City directories were reviewed in approximately ten (10) year intervals back to 2000 as no directories were available prior to the City's amalgamation. The subject site was not listed in the directories.

Neighbouring properties were listed as residential with some commercial, primarily south of the Phase I Property. There were no listings associated with potentially contaminating activities.

#### **Chain of Title**

Paterson did not request a Chain of Title for the subject site as it was determined that sufficient information was gathered from other sources, such as personal interviews, aerial photographs and city directories.

#### Plan of Survey

A survey plan was not provided for review.



### **Previous Engineering Reports**

Previous engineering reports have been completed by Paterson in the immediate area of the Phase I Property. A review of these reports did not identify any additional environmental concerns regarding the Phase I Study Area.

#### 4.2 Environmental Source Information

#### **Environment Canada**

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on April 9, 2020. No listings for the subject site or properties within the study area were identified in the NPRI database.

### **PCB Inventory**

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

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

An ERIS search was requested in lieu of a MECP Freedom of Information (FOI) request pertaining to all environmental conditions, permits, certificates of approval, compliance reports, fuel oil storage tanks, spills and waste generators regarding the subject site and neighbouring lands.

# MECP Brownfields Environmental Site Registry

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

# **MECP Waste Disposal Site Inventory**

The Ontario Ministry of Environment document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of the historical research. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants and coal tar distillation plants in the Province of Ontario. There are no former waste disposal sites located within 250 m of 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 Municipal Coal Gasification Plant Sites are located within the Phase I Study Area.

#### **Areas of Natural Significance**

A search for areas of natural significance and features within the Phase I Study Area was conducted on the website of the Ontario Ministry of Natural Resources (MNR) on April 9, 2020. The search did not reveal any areas of natural significance within the Phase I Study Area.

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

An ERIS search was conducted in lieu of contacting the TSSA, Fuels Safety Branch in Toronto to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. No TSSA records are listed in the ERIS search for the subject site or the adjacent properties. A copy of the ERIS Report is included in Appendix 2.

### City of Ottawa Landfill Document

The document entitled "Old Landfill Management Strategy, Phase I – Identification of Sites, City of Ottawa", was reviewed. There were no former landfill sites identified within the Phase 1 Study Area.

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

A search request for the City of Ottawa's Historical Land Use Inventory (HLUI 2005) database was requested as part of this assessment. A response had not been received since issuing this report. A copy of the response will be forwarded to the client once received.

# **Environmental Risk Information Services (ERIS) Report**

An ERIS (Environmental Risk Information Service) Report was obtained for the Phase I Property and properties within a 250 m search radius.

According to the ERIS report, no records were identified for 927 March Road. No potential environmental concerns or new information regarding the Phase I Property was identified in the ERIS report.



The ERIS search identified two (2) Ontario Waste Generation reports, pertaining to a property located east of the Phase I Property at 895 March Road, a plastic surgery clinic, where pathological wastes are produced. Based on the natural of the waste, this waste generator is a non-issue. No other relevant information was identified in the ERIS search. A copy of the ERIS report is included in Appendix 2.

# 4.3 Physical Setting Sources

### **Aerial Photographs**

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

- The subject site and neighbouring lands to the north, west and south are vacant and/or agricultural lands, while some farmsteads are present to the east. March Road and Old Carp Road are present at this time.
- No significant changes are apparent on the subject site or the surrounding lands.
- The southeastern portion of the subject site appears to be occupied by two (2) barns associated with a farmstead to the east. A small pond is visible in the central portion of the site. Neighbouring lands to the east and south are occupied by farmsteads and agricultural lands.
- The subject site appears to be occupied by an additional small shed, and several vehicles and a few lumber piles. A residential development is present to the west, while a residential dwelling can be seen immediately north. The remaining lands appear unchanged from the previous photograph.
- One barn appears to have been demolished and is no longer present on-site. No significant changes are apparent on the neighbouring lands aside from some construction activity present further to the south of the subject site.
- 2007 (GeoOttawa) The subject site continues to be used for the same purpose. A small part of the south-eastern portion of the site



	material (waste hay bails and lumber, etc.).
2011	The above nested farm implement, vehicles have been removed. The small shed remains present at this time. No significant changes are apparent on the neighbouring lands with the exception of a new residential development to the south of the subject site.
2017	No significant changes are apparent on the subject site, with the exception that the lumber and/or wood appears to have been removed. The surrounding lands appear unchanged from the

continues to be used to store farm implements and farm related

Laser copies of selected aerial photographs reviewed are included in Appendix 1.

### Topographic Maps

previous photograph.

Topographic maps were obtained from Natural Resources Canada – The Atlas of Canada website and from the City of Ottawa website. The topographic maps indicate that the regional topography in the general area of the site slopes down in a south-easterly direction towards Shirley's Brook. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

#### **Physiographic Maps**

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

#### **Geological Maps**

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on this information, bedrock beneath the site area consists of interbedded sandstone and dolomite of the March Formation. It was reported that surficial soils consist of plain till and offshore marine sediments, with a drift thickness of 1 to 3 m.

#### **Water Well Records**

A well record search was conducted on April 11, 2020 for all drilled wells within 250 m of the subject site. The search returned forty-four (44) well records for 40



domestics wells drilled between 1963 to 2013; two (2) abandoned wells from 2006 and 2010; and, 1 well record to deepen/extend an existing domestic well.

Nine domestic wells were identified within the immediate vicinity of the Phase I Property, drilled between 1963 to 1978, extending to approximate depths of 9 to 10 m below the ground surface. Based on these well records, the stratigraphy in the immediate area of the Phase I Property generally consisted of clay underlain by interbedded sandstone and limestone bedrock, which was encountered at depths ranging from approximately 1.2 to 1.98 m below the ground surface.

The abandoned well records were identified for properties that were formerly on domestic wells along March Road, south of the Old Carp Road and March Road intersection. No concerns were noted during the review of these well records; all of the domestic wells were drilled to clear fresh water.

No other pertinent information was provided in these records. A copy of the well records has been included in Appendix 2.

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

A tributary of Shirley's Brook transects the central and eastern portions of the Phase I Property running in a northwest-southeast direction.

No other bodies of water are present on the Phase I Property or within the Phase I Study Area. No areas of natural significance are known to exist within the Phase I Study Area.

# 5.0 INTERVIEWS

# **Property Owner Representative**

Mr. Jean-Luc Rivard of Brigil Construction, the current property owner was interviewed via email on April 14, 2020 as part of this site assessment. Mr. Rivard has owned the property since 2008. According to Mr. Rivard, a small barn remains present on-site. Mr. Rivard is unaware of any aboveground storage tanks, underground storage tanks or any potential environmental concerns with respect to the subject property.



# 6.0 SITE RECONNAISSANCE

# 6.1 General Requirements

The site visit was conducted on April 9, 2020. Weather conditions were overcast with a temperature of approximately 6°C. Ms. Mandy Witteman from the Environmental Department of Paterson conducted the site assessment. In addition to the site, the uses of neighbouring properties within the Phase I Study Area were also assessed at the time of the site visit.

# 6.2 Specific Observations at the Phase I Property

# **Buildings and Structures**

One small barn is present on the southeastern property boundary. No other buildings are present on the Phase I Property.

#### **Site Features**

The Phase I Property is situated in a designated floodplain overlying a tributary of Shirley's Brook, which transects the central portion of the property boundary in an approximate northwest-southeast direction.

The majority of the site is vacant agricultural land with a modest tree line along the northern and western property limits.

The topography of the site is generally flat and slightly below the grade of March Road. Site drainage occurs primarily through infiltration.

No hazardous materials, evidence of surficial staining or stressed vegetation were observed on the Phase I Property at the time of the site visit.

No evidence of current or former railway or spur lines was observed on the subject property at the time of the site visit.

#### Subsurface Structures and Utilities

It is not expected that there are subsurface structures or utilities present on the Phase I Property.



# **Neighbouring Properties**

An inspection of the neighbouring properties was conducted from publicly accessible roadways at the time of the site inspection.

Land use adjacent to the subject site is as follows:

Northeast -	March Road, followed by agricultural land;
Southwest -	Residences, followed by Marchbrook Circle;
Southeast -	Farmsteads, commercial offices and March Road, followed by agricultural lands and a farmstead;
Northwest -	Agricultural land, followed by a residential dwelling.

No existing PCAs were identified.

Land use within the Phase I Study Area (250 m radius) is primarily used for residential and agricultural purposes with some commercial offices (medical clinics). No existing off-site PCAs were identified at the time of the site visit. Surrounding land use is shown on Drawing PE4925-2 – Surrounding Land Use Plan.



### 7.0 REVIEW AND EVALUATION OF INFORMATION

# 7.1 Land Use History

Based on the available historical records, the Phase I Property was occupied by two (2) barns associated with a farmstead located to the immediate east property, also addressed 927 March Road. The majority of the land is agricultural fields. One of the barns was demolished circa 2002, while the other small barn remains vacant and unutilized since 2008, when Brigil Construction purchased the property.

# Potentially Contaminating Activities and Areas of Potential Environmental Concern

No PCAs were identified within the Phase I ESA Study Area and therefore, no APEC's were identified on the Phase I Property.

#### **Contaminants of Potential Concern**

No Contaminants of Potential Concern were identified on the Phase I Property.

# 7.2 Conceptual Site Model

# Geological and Hydrogeological Setting

Based on the information from the Geological Survey of Canada, the overburden in the area consists of plain till and offshore marine sediments with a drift thickness ranging from 1 to 3 m. Bedrock in the area consists of interbedded sandstone and limestone of the March Formation.

Based on the well records in the immediate area, the site stratigraphy consists of native clay, underlain by limestone and sandstone bedrock. Bedrock was reached at approximate depths of 1.2 to 1.98m below the ground surface.

Groundwater flow is interpreted to be in a south-easterly direction towards the Shirley's Brook.

# **Existing Buildings and Structures**

One small barn is present on the southeastern property boundary on the Phase I Property. No other buildings are present on the Phase I Property.



### Water Bodies and Areas of Natural Significance

A tributary of Shirley's Brook transects the central portion of the site sunning in a northwest-southeast direction.

### **Drinking Water Wells**

No domestic wells were observed on-site, nor are they expected to be present as the majority of the Phase I Property is vacant and undeveloped land.

# **Neighbouring Land Use**

Neighbouring land use in the Phase I Study Area consists primarily of residential and agricultural fields with some commercial offices (medical offices).

# Potentially Contaminating Activities and Areas of Potential Environmental Concern

There are no PCAs or APECs on or near the Phase I Property.

#### **Contaminants of Potential Concern**

There are no contaminants of potential concern.

# Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of this Phase I- ESA is considered to be sufficient to conclude that there are no APECs on the subject site. A variety of independent sources were consulted as part of this assessment, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.



#### 8.0 CONCLUSIONS

#### Assessment

Paterson Group was retained by Brigil Construction to conduct a Phase I-Environmental Site Assessment (ESA) for a large portion of the property located at 927 March Road, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the subject site and the Phase I Study Area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical research, the Phase I Property was occupied by two (2) barns prior to 1976 as part of a farmstead located to the east, which is a smaller track of land addressed 927 March Road. A barn structure was demolished circa 2002. The majority of the subject land has been used for agricultural purposes while a small part of the southeast portion of the land was used for the storage of farm implements and related materials (i.e. hay bails, lumber, etc.) between 1991 and 2008. No potentially contaminating activities (PCAs) were identified during the historical review of the Phase I Property.

Historical land use of the neighbouring properties included farmsteads and agricultural land with no PCAs being identified within the Phase I Study Area.

Following the historical research, a site visit was conducted. The Phase I Property appears to be vacant with one small barn, while the remaining land exists as agricultural land. The neighbouring properties to the north, east, and west are occupied by farmsteads, residences and/or agricultural lands. Some commercial businesses are present along March Road, south of the Phase I Property. No PCAs were noted with the current use of the Phase I Property or the lands within the Phase I Study Area.

#### Conclusion

Based on the results of the assessment, it is our opinion that a Phase II-Environmental Site Assessment is not required for the subject 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 meets the requirements of CSA Z768-01. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I - ESA are based on a review of readily available geological, historical and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial and federal agencies and was limited within the scope-of-work, time and budget of the project herein.

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

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

OPROFESSIONAL GREEN

90377839

POVINCE OF ON

Paterson Group Inc.

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

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

# Report Distribution:

□ Brigil Construction

☐ 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 Source**

**ERIS** Report

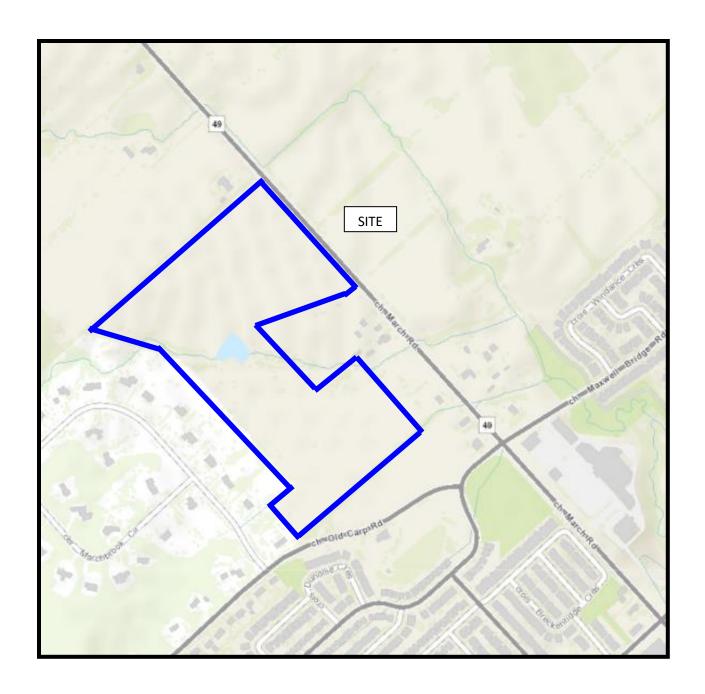
# **FIGURES**

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

**DRAWING PE4925-1 – SITE PLAN** 

DRAWING PE4925-2 - SURROUNDING LAND USE PLAN

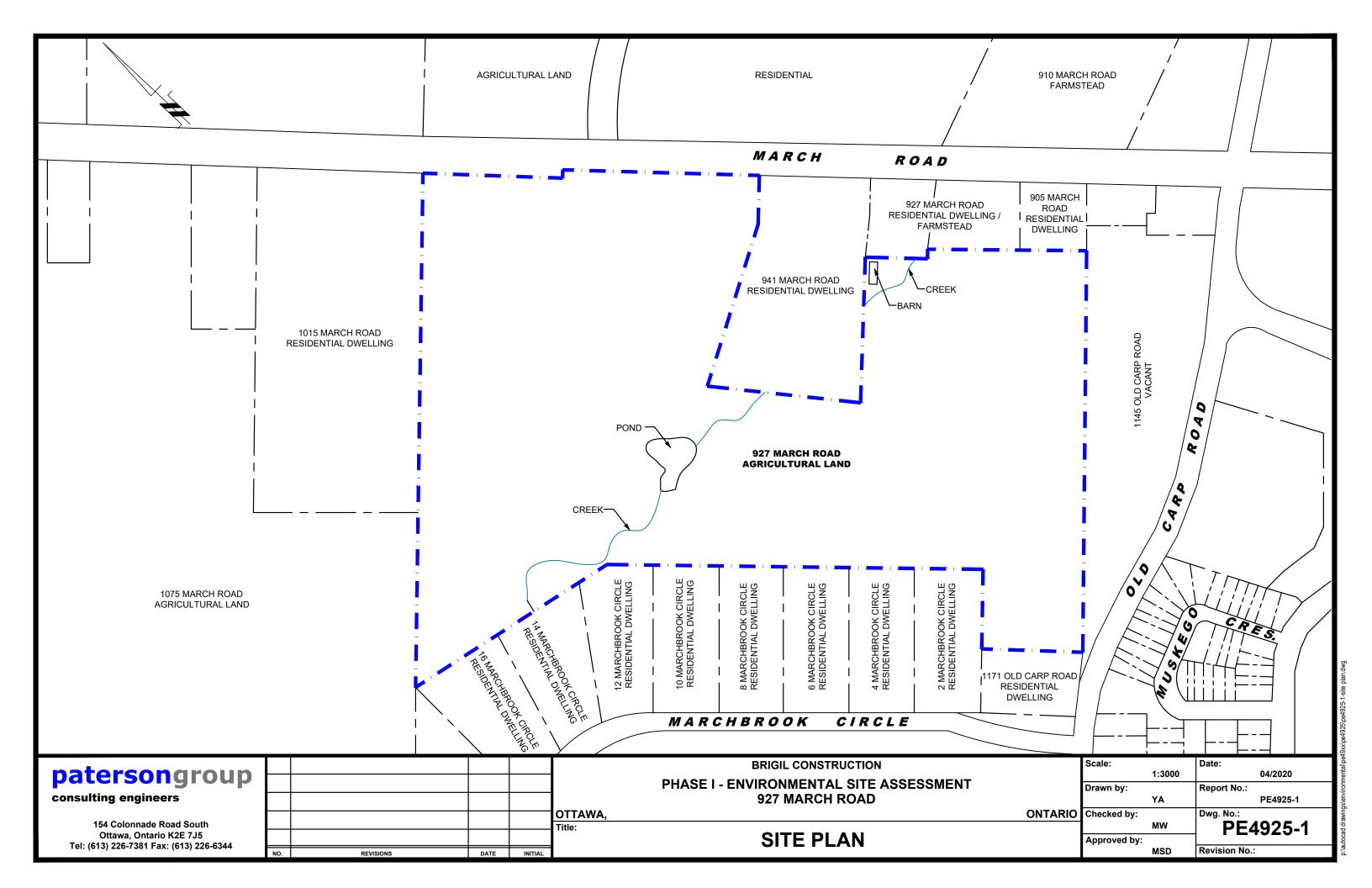


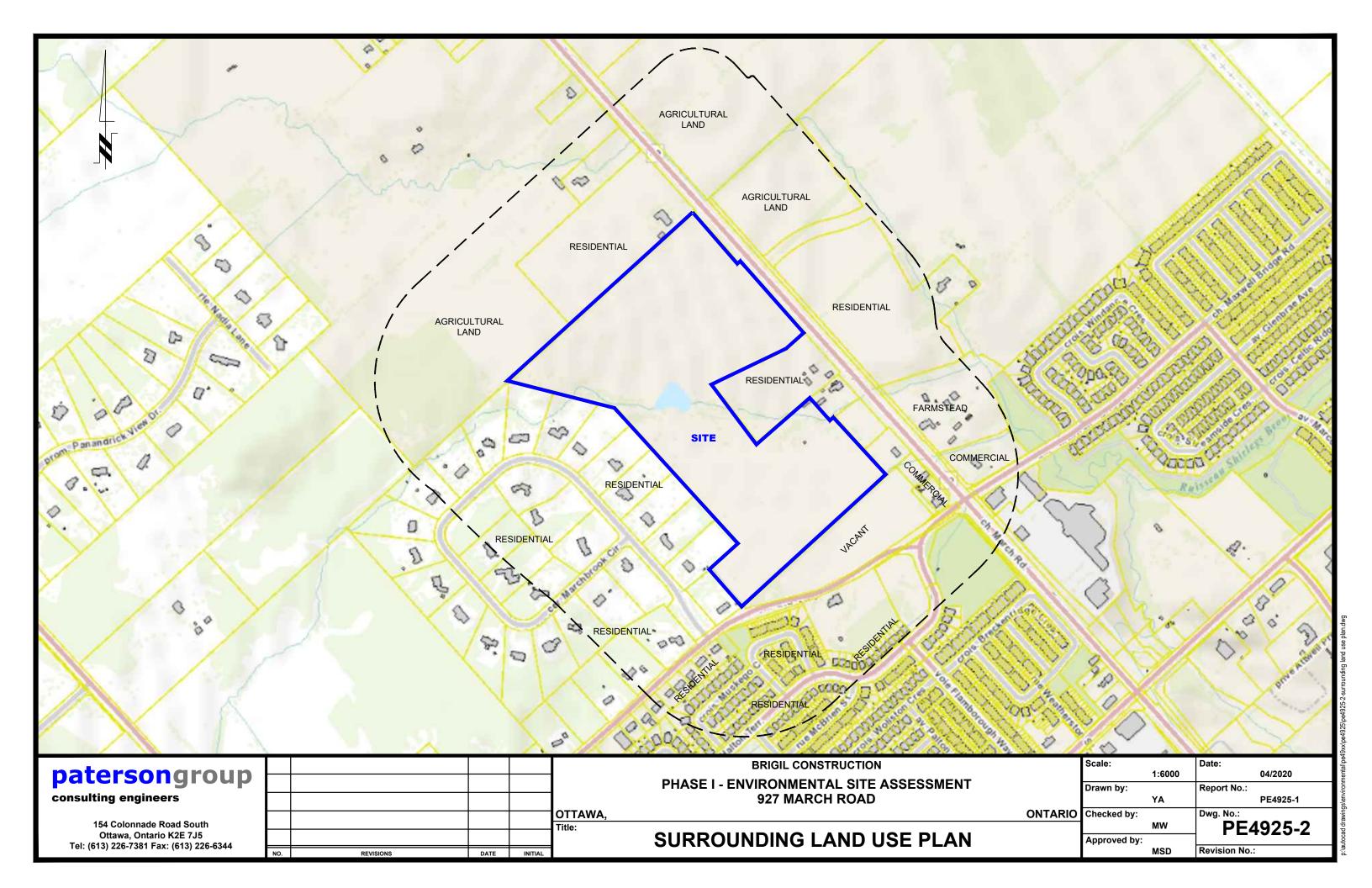
# FIGURE 1 KEY PLAN



# FIGURE 2 TOPOGRAPHIC MAP

patersongroup.





# **APPENDIX 1**

AERIAL PHOTOGRAPHS
SITE PHOTOGRAPHS



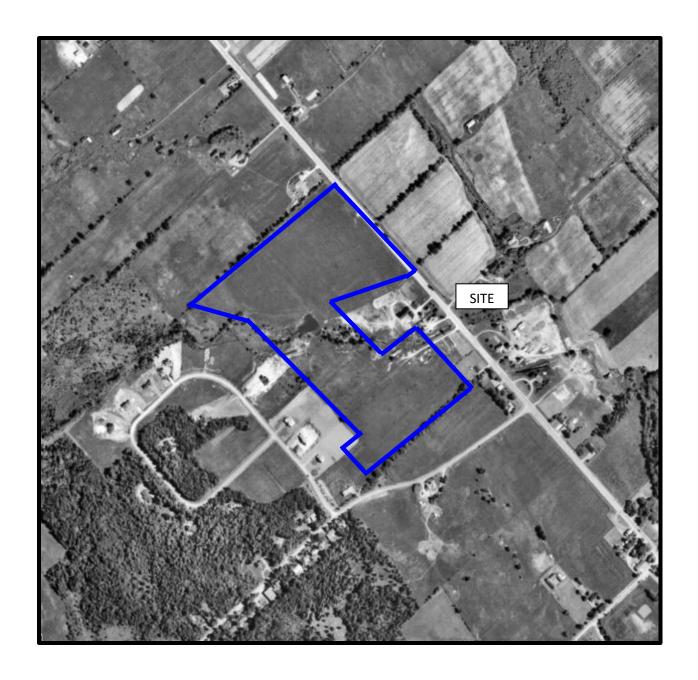
patersongroup \_\_\_\_



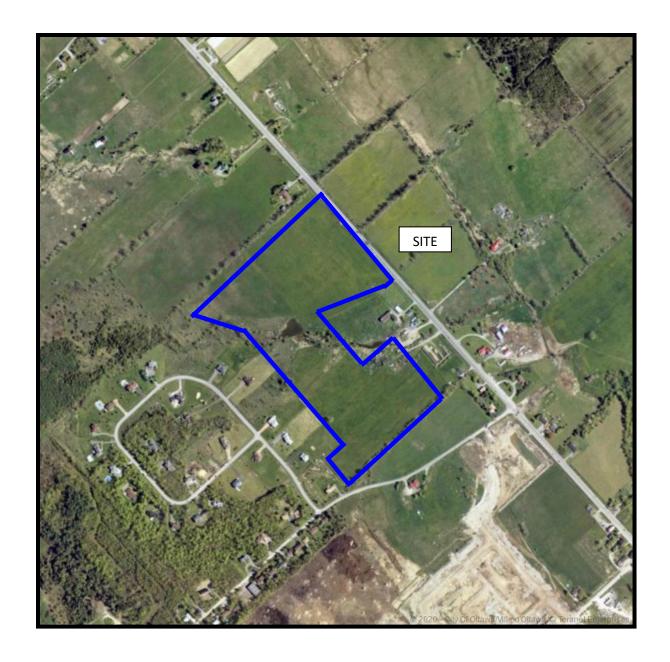
patersongroup \_\_\_\_\_



patersongroup \_\_\_\_



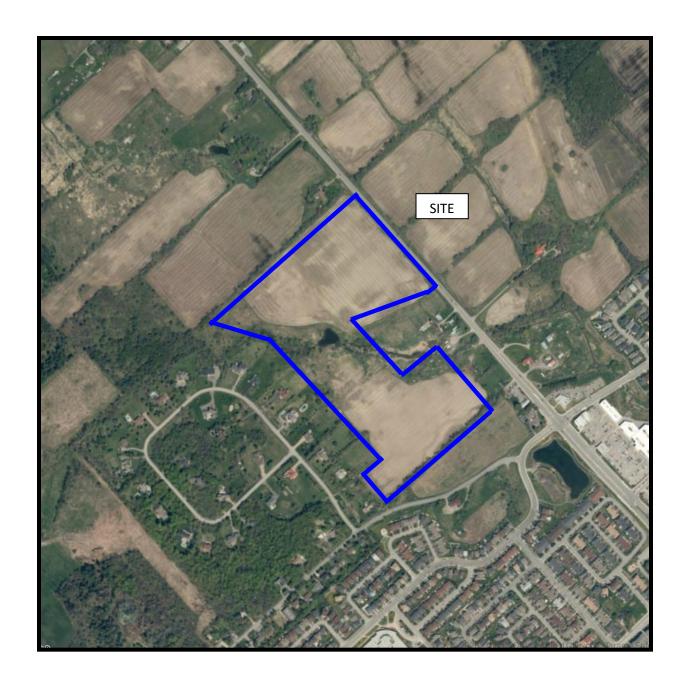
patersongroup \_\_\_\_\_



patersongroup -



patersongroup \_\_\_\_



patersongroup \_\_\_\_



Photograph 1: View of the northern portion of the Phase I Property, looking west.



Photograph 2: Southern view of the Phase I Property, looking southwest.

# **APPENDIX 2**

MECP WELL RECORDS

HLUI RESPONSE

ERIS REPORT



# Map: Well records

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

Full dataset is available in the Open Data catalogue.

Go Back to Map

# **Well ID**

Well ID Number: 7201372 Well Audit Number: *C21215* Well Tag Number: *A130127* 

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

# **Well Location**

<b>Address of Well Location</b>	
Township	MARCH TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 426635.00
Municipal Plan and Sublot Number Other	Northing: 5023491.00
Other	

# **Overburden and Bedrock Materials Interval**

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

# **Annular Space/Abandonment Sealing Record**

Depth	Depth	<b>Type of Sealant Used</b>	Volume
From	To	(Material and Type)	Placed

# **Method of Construction & Well Use**

**Method of Construction** Well Use

# **Status of Well**

# **Construction Record - Casing**

Inside Diameter	Open Hole or material	Depth From		
		-	-	

# **Construction Record - Screen**

Outside Diameter Material Depth Depth From To

# **Well Contractor and Well Technician Information**

Well Contractor's Licence Number: 1844

# **Results of Well Yield Testing**

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

# **Draw Down & Recovery**

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	

4/11/2020	Map: Well records   Ontario.ca
4	4
5	5
10	10
15	15
20	20
25	25
30	30
40	40
45	45
50	50
60	60

#### **Water Details**

Water Found at Depth Kind

#### **Hole Diameter**

Depth Depth Diameter To
-------------------------

Audit Number: C21215

Date Well Completed: September 07, 2012

Date Well Record Received by MOE: May 09, 2013

Updated: January 24, 2020



15 Nº

C88.58



The Water-well Drillers Act, 1954

Department of Mines

Water-Well Record

County or Territorial District	MALIKE	Town	_		<u>-</u>					
					Village, Town or City)					
			do	iress,						
Date completed(day)	(month)	(year)								
Pipe and Casing	Record				Pumping Test					
7 · · · · · · · · · · · · · · · · · · ·	*		<b>1</b> ~	tic level	28/4					
Casing diameter(s)Length(s)			Pu	mping rate	150 per	r. (9ph				
Type of screen	Nort	تحا	Pm	mning level	48 AX.					
Length of screen			Du	ration of test	20 minu	tes				
	· · · · · · · · · · · · · · · · · · ·									
Well Log					Water Record					
Overburden and Bedrock Record	From ft.	To ft.		Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)				
ailie sandatore	0	<u>ک</u> و ک	7							
silica sandstone)	5-2	5-5		53	25	fresh				
					_	<u> </u>				
		_								
For what purpose(s) is the water t	o be used?			Lo	cation of Well	wer				
Is water clear or cloudy?	ear	•••••		In diagram below						
Is well on upland, in valley, or one				road and lot line	e. Indicate north	i by arrow.				
usland										
Drilling firm	rus				-	1				
Address	ranch					1				
Name of Driller										
Address	non	••••••	6	0 4						
Audiess	Section for the Park			• ,	1 1.3	ı. <del>).</del>				
Licence Number 490						aner				
I certify that the f					5.11	,				
statements of fact a	are true.		-b Vbresource PA		77277					
Date DECIS	sark	ا م			Production of					
	nature of Licens	see			Name of the last o					
_										

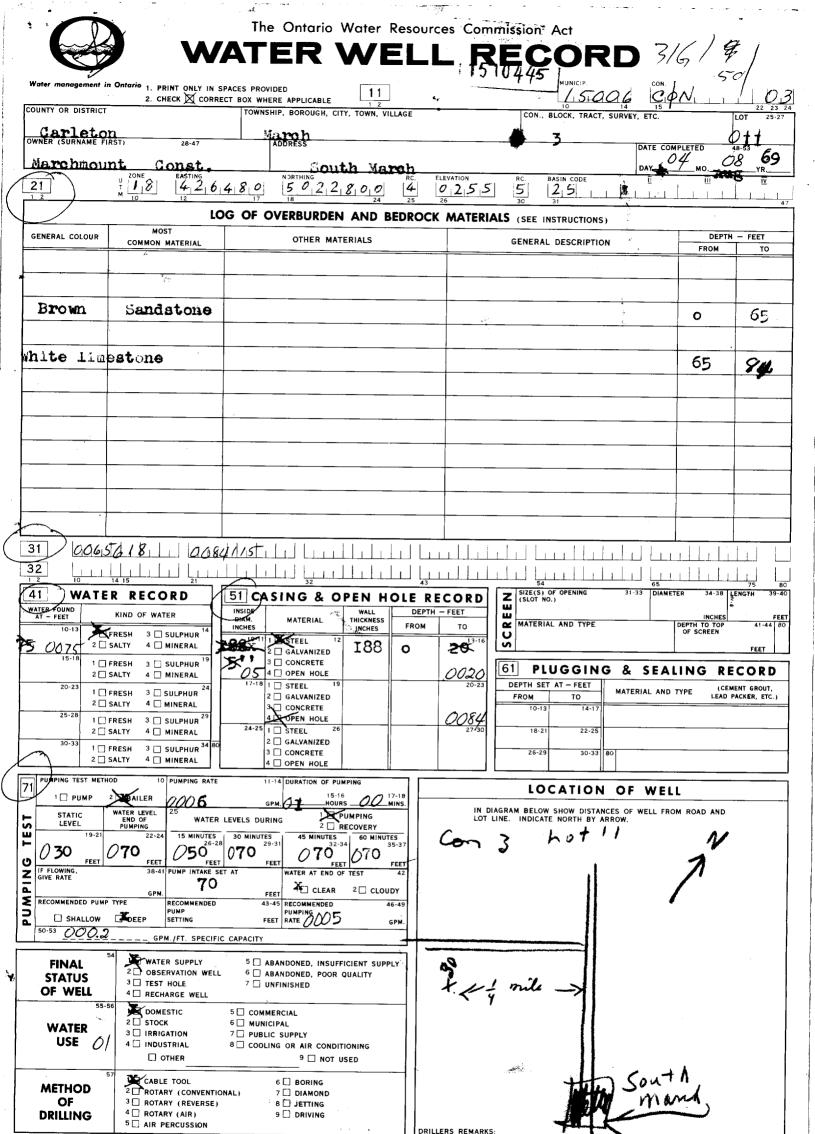
[18/2 42651610 E 5 R 15 012 219 40 The Ontario Water Resources Commission Act 14R 02610 RESOURCES COMMIS Township, Village, Town or City March Pt. of 11 Date completed 28 May year) ess South March, Ont. **Pumping Test** Casing and Screen Record Static level 71 Inside diameter of casing 15 of 5 Test-pumping rate 5 GPM G.P.M. 15 Total length of casing Pumping level 171 nil Type of screen Duration of test pumping 1 Hour nil Length of screen Water clear or cloudy at end of test clear nil Depth to top of screen Recommended pumping rate 5 GPM G.P.M. 511 Diameter of finished hole feet below ground surface with pump setting of. **Water Record** Well Log Depth(s) at Kind of water From То (fresh, salty, which water(s)Overburden and Bedrock Record sulphur) found 01 11\* Clay 11\* Red Granite **Location of Well** For what purpose(s) is the water to be used? In diagram below show distances of well from New Home road and lot line. Indicate north by arrow. Is well on upland, in valley, or on hillside? Upland Drilling or Boring Firm Blair Phillips Drilling Co. Ltd. Address Ottawa Licence Number 1815 Name of Driller or Borer J. Moore Address Kars, Ont. S. More 28 May 1965 (Signature of Licerson) Form 7 15M-60-4138

OWRC COPY

( 4. A. A. A. A.

388A  UTM 18 42 412 16 14 13 10 E  Co. 15 R 5 10 12 13 1 1 10 15 N Ontario Water Res  Elev. 14 R 10 12 16 10 WATER WE	LL	REC	Act DRD	JAN 17 III	S64 STER MISSION
Basin   2,5   CarleTon County or District CarleTon Lot /2	Date con	npleted	23 (day	May month Hve 01	/963 year)
Casing and Screen Record	<u></u> -		Pumpin		
Inside diameter of casing 6'/4"	Stati	c level		15	
Total length of casing 20'	Test	-pumping ra	ite	5,	G.P.M.
Type of screen 170.18	Pum	ping level		40,	,
Length of screen	Dura	ation of test	oumping	/ hr	
Depth to top of screen	Wat	er clear or cl	oudy at end o	f test c/eq	<i>.</i>
Diameter of finished hole	Rec	ommended 1	oumping rate	5	G.P.M.
Diameter of finished hote	with	pump settir	ng of 5	o 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 & broken rock		0	12		
himestone		12 38	38	60	Fresh
Sand STone					
For what purpose(s) is the water to be used?  house  Is well on upland, in valley, or on hillside? Upland  Drilling or Boring Firm  Mchean Water Supply Ltd.  Address 1532 Raven Hve  Ollawa, Onl.  Licence Number 1090  Name of Driller or Borer H. Scharf	Roce Bet Lo	In diagra road and d ween	um below sho l lot line. In	of Well w distances of we ndicate north by	ell from arrow.
Address Date May 23 163 ComcLen			¥ = 17.2 17.2 ← OT 2.2 ← OT	WY 17	v RP →
(Signature of Licensed Drilling or Boring Contractor) Form 7 15M-60-4138	_		3 COI	, nen (1	
OWRC COPY					

· ·	IRO.			_
UN 182 4216141615E	3195d	V	VATER RESOURCES  DIVISION N	3414,
C.15 R [50 2 3 2 7 0 N The Ontario Water Reso	urces Commission	A	JUL 6 1964	
Elev. 4 R OZ 60 WATER WEL	I RECA	n P n		
Racin [7.15] 1/11 ()		The same of the sa	- Allen Janes	ON A
County or District COX T		•		64
Con. Lot / L	_	(day	month	year)
	ress S O	uth 1	march	<b>_</b>
Casing and Screen Record		Pumping	g Test	· · · · · · · · · · · · · · · · · · ·
Inside diameter of casing	Static level	11'		
Total length of casing /8'	Test-pumping ra	te	O	G.P.M.
Type of screen	Pumping level	11'	·······	
Length of screen	Duration of test p			
Depth to top of screen	Water clear or clo	oudy at end of	test <u>clo</u>	ridy
Diameter of finished hole 5 "	Recommended p			G.P.M.
	with pump settin	g of 40	feet below	w ground surface
Well Log				Record
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
clay to boulders	0	9	50	Sresh
Sandsolone	9	40		
granie	70	- J		
For what purpose(s) is the water to be used?		Location	of Well	
old house	In diagran		distances of wel	from 7
Is well on upland, in valley, or on hillside?	road and	lot line. Ind	icate north by	arrow.
Drilling or Boring Firm Capital Stater				
Supply		1	300	
Address 1243 Keron Rd		1.	*****	
Ottawa			11 3	
Licence Number /223			1.1.*	
Name of Driller or Borer M X avanagh		MARCH	<b>₹</b> ¥	
Address				
Dates 9/3/64				
Date 9/3/64  Valter awanciah (Signature of Licensed Drilling or Boring Contractor)			1	
Form 7 15M-60-4138		#	*	
OWRC COPY BUNGALOW- IMITATION SA	6951DING.	· ·	(S).	5N



NAME OF WELL CONTRACTOR

Saunde s ell Drilling 3480

Address

Artiori r

NAME OF DRILLER OR BORER

LICENCE NUMBER

LICENCE NUMBER

SIGNATURE OF CONTRACTOR

SUBMISSION DATE

DAYA

HO (11) C VE CO

DATE OF INSPECTION

DATE OF INSPECTION

INSPECTOR

S9-62 DATE RECEIVED

63-68 80

4724 210170

REMARKS:

#### MINISTRY OF THE ENVIRONMENT The Ontario Water Resources Act R WELL RECORD 319/5d ONTARIO 512244 2. CHECK 🗵 CORRECT BOX leter 2671 4 290 4 26 JAN 12, 1975 44 LOG OF OVERBURDEN AND BEDROUR MATERIALS (SEE INSTRUCTIONS) MOST COMMON MATERIAL DEPTH - FEET GENERAL COLOUR OTHER MATERIALS GENERAL DESCRIPTION 62 Note: AAKKOLA. 00621218 WATER RECORD CASING & OPEN HOLE RECORD 51 DEPTH - FEET KIND OF WATER 41-44 1 FRESH 3 SULPHUR 2 SALTY 4 MINERAL 0020 STEEL GALVANIZED 1 FRESH 3 SULPHUR 2 SALTY 4 MINERAL 3 CONCRETE 4 OPEN HOLE 61 **PLUGGING & SEALING RECORD** - FEET 1 STEEL 1 | FRESH 3 | SULPHUR 2 | SALTY 4 | MINERAL MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC 2 GALVANIZED FROM то 3 CONCRETE 4 OPEN HOLE 1 FRESH 3 SULPHUR 2 SALTY 4 MINERAL 4-25 1 STEEL 27-30 2 GALVANIZED 1 FRESH 3 SULPHUR 2 SALTY 4 MINERAL 30-33 CONCRETE 30-33 OPEN HOLE LOCATION OF WELL WATER LEVEL END OF PUMPING IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW. PUMPING RECOVER PUMPING TEST 1 CLEAR 2 D CLOUDY 111 RECOMMENDED PUMP TYPE RECOMMENDE 11/ & DEEP **M** WATER SUPPLY 5 ABANDONED, INSUFFICIENT SUPPLY FINAL 2 OBSERVATION WE 3 TEST HOLE 4 RECHARGE WELL OBSERVATION WELL 6 ABANDONED POOR QUALITY STATUS 7 UNFINISHED LOT 12. OF WELL 1 DOMESTIC 5 COMMERCIAL STOCK REGATION 6 MUNICIPAL 7 PUBLIC SUPPLY WATER USE 4 | INDUSTRIAL 8 COOLING OR AIR CONDITIONING 9 D NOT USED OTHER 6 D BORING 7 DIAMOND 8 DETTING 9 DRIVING 1 CABLE TOOL **METHOD** 2 ROTARY (CONVENTIONAL) ROTARY (REVERSE) OF DRILLING

DATE OF INSPECTION

REMARKS

USE (

OFFICE

100173

WI

07-091

CSS.SR

THE ENVIRONMENT COPY

☐ AIR PERCUSSION

#### MINISTRY OF THE ENVIRONMENT The Ontario Water Resources Act 319/5d WELL RECOR 2. CHECK 🗵 CORRECT BOX WHERE APPLICABLE MARCH BASIN COD 22617 26 JAN 12, 1975 305 4 LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) MOST COMMON MATERIAL DEPTH - FEET GENERAL COLOUR GENERAL DESCRIPTION OTHER MATERIALS 3 CLAY 0 RROWN GRAY 45 SANDSTONE 32 51 41 WATER RECORD CASING & OPEN HOLE RECORD SCREEN ATER FOUND AT - FEET MATERIÂL WALL THICKNESS INCHES 3 SULPHUR 4 MINERAL 61 **PLUGGING & SEALING RECORD** 3 SULPHUR 2 0075 FROM **₽**ONCRETE FRESH 3 SULPHUR SALTY 4 MINERAL OPEN HOLE STEEL 18-21 22-25 FRESH 3 🗀 SULPHUR 1 🗆 30-33 ☐ CONCRETE LOCATION OF WELL 2 | BAILER *0*0 IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW. WATER LEVEL TV SOUTH MARCH RECOMMENDED PUMP TYP ☐ SHALLOW WATER SUPPLY Description well Test hole 5 ABANDONED, INSUFFICIENT SUPPLY **FINAL** ABANDONED, POOR QUALITY **STATUS** 7 UNFINISHED OF WELL 4 | RECHARGE WELL DOMESTIC STOC" 5 COMMERCIAL 6 MUNICIPAL **WATER** ☐ IRRIGATION T PUBLIC SUPPLY USE INDUSTRIAL COOLING OR AIR CONDITIONING D ☐ OTHER 9 | NOT USED 6 D BORING 7 DIAMOND 8 DETTING CABLE TOOL **METHOD** ROTARY (CONVENTIONAL) ROTARY (REVERSE)

ROTARY (AIR)

П

OF

**DRILLING** 

#### MINISTRY OF THE ENVIRONMENT The Ontario Water Resources Act

WELL RECORD 1514388 1. PRINT ONLY IN SPACES PROVIDED 2. CHECK X CORRECT BOX WHERE APPLICABLE TOWNSHIP BOROUGH, CITY, TO Carleton 3 March DATE COMPLETED мо.\_10 # 1 Kanata, Ontario 30 74 0188 LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) MOST GENERAL COLOUR OTHER MATERIALS DEPTH - FEET COMMON MATERIAL GENERAL DESCRIPTION FROM ΤO **fill** 0 3 white sandstone 3 137 white sandstone granite 137 140 0003 01 1 0137118 1 014011821 WATER RECORD 51 **CASING & OPEN HOLE RECORD** SIZE(S) OF OPEN SCREEN KIND OF WATER DEPTH - FEET WALL THICKNESS MATERIAL AND TYPE FROM tο 41-44 FRESH 3 SULPHUR
SALTY 4 MINERAL 0075 1 STEEL
2 GALVANIZED 00 22 188 n 1 TRESH 3 SULPHUR
2 SALTY 4 MINERAL 3 CONCRETE 61 **PLUGGING & SEALING RECORD** 7/8 GOPEN HOLE 138 22 140 DEPTH SET AT - FEET 1 FRESH 3 SULPHUR 24
2 SALTY 4 MINERAL ☐ STEEL MATERIAL AND TYPE 2 GALVANIZED FROM CONCRETE 0140 1 | FRESH 3 | SULPHUR
2 | SALTY 4 | MINERAL AOPEN HOLE STEEL 18-21 2 GALVANIZED 30-33 1 | FRESH 3 | SULPHUR
2 | SALTY 4 | MINERAL 26-21 30-33 80 CONCRETE DO 12 LOCATION OF WELL 0 1 15-16 00 17-18 HOURS 00 MIN T DMOUMP 2 🗆 BAILER 1 B PUMPING IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND STATIC LEVEL WATER LEVELS DURING 2 | RECOVERY LOT LINE. INDICATE NORTH BY ARROW PUMPING TEST 15 MINUTES 30 MINUTES 45 MINUTES 60 MINUTES 32.34 26-28 29-31 0 23 0 70 FEET 0 70 FEET O 70 FEET 070 FEET 1 🏿 CLEAR RECOMMENDED PUMP SETTING 43-45 O 75 FEET RAE O O 5 SHALLOW TEDEEP GPM./FT. SPECIFIC CAPACITY WATER SUPPLY 5 ABANDONED, INSUFFICIENT SUPPLY **FINAL** 2 | OBSERVATION WELL ABANDONED, POOR QUALITY **STATUS** TEST HOLE

RECHARGE WELL 7 🔲 UNFINISHED OF WELL COMMERCIAL DOMESTIC STOCK MUNICIPAL **WATER** П PUBLIC SUPPLY USE 0/ INDUSTRIAL COOLING OR AIR CONDITIONING OTHER 9 | NOT USED new home - stree found METHOD 5 6 BORING
7 DIAMOND
8 DETTING CABLE TOOL ROTARY (CONVENTIONAL)
ROTARY (REVERSE) OF Cedar Jenish T ROTARY (AIR) DRIVING **DRILLING** 5 AIR PERCUSSION DRILLERS REMARKS 081174 CONTRACTOR 558 Capital Water Supply Ltd. 155B DATE OF INS USE 10 Stittsville, Ontario OFFICE Dagg

MINISTRY OF THE ENVIRONMENT COPY

07-091

WI

CSS.58

#### MINISTRY OF THE ENVIRONMENT

The Ontario Water Resources Act

316/52

L RECORD 1514412 15006 COA 1. PRINT ONLY IN SPACES PROVIDED 2. CHECK 🗵 CORRECT BOX WHERE APPLICABLE TOWNSHIP, BOROUGH, CITY, TOV Carleton March DATE COMPLETED 17 <sub>MO</sub> 10 YR. 74 DAY\_ Kanata. Ontario 0285 LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) MOST GENERAL COLOUR DEPTH - FEET GENERAL DESCRIPTION COMMON MATERIAL FROM то send brown 0 3 grey anada tona hard 247 024721873 32 41 SIZE(S) OF OPENIN WATER RECORD 51 **CASING & OPEN HOLE RECORD** SCREEN WATER FOUND AT - FEET KIND OF WATER WALL THICKNESS INCHES DEPTH - FEET MATERIAL AND TYPE ☐ FRESH 3 ☐ SULPHUR FROM то DEPTH TO TOP OF SCREEN 41-44 2 SALTY 4 MINERAL 168 0020 61 0 2 GALVANIZED
3 CONCRETE 1 FRESH 3 SULPHUR
2 SALTY 4 MINERAL 61 **PLUGGING & SEALING RECORD** 5/8 DOPEN HOLE 247 20 AT - FEET 1 | FRESH 3 | SULPHUR 24
2 | SALTY 4 | MINERAL STEEL MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.) 2 GALVANIZED FROM CONCRETE 0247 OPEN HOLE FRESH 3 - SULPHUR 2 2 SALTY 4 MINERAL STEEL 18-21 22-25 2 GALVANIZED 1 | FRESH 3 | SULPHUR 2 | SALTY 4 | MINERAL CONCRETE 30-33 80 4 D OPEN HOL LOCATION OF WELL 2 🗆 BAILER ☐ PUMP WATER LEVEL END OF PUMPING 22-24 IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND 1 T PUMPING WATER LEVELS DURING 2 | RECOVERY LOT LINE. PUMPING TEST 15 MINUTES 30 MINUTES MINUTES 60 MI 32-34 26-26 29-31 DRY FEET FEET WATER AT END OF TEST I CLEAR 2 CLOUDY RECOMMENDED PUMP SETTING RECOMMENDED PUMPING DEEP FEET OLD CARP GPM./FT. SFECIFIC CAPACITY # ABANDONED, INSUFFICIENT SUPPLY 1 WATER SUPPLY FINAL 2 GBSERVATION WELL A BANDONED, POOR QUALITY OF WELL 5 STATUS 7 UNFINISHED 4 | RECHARGE WELL 1 d DOMESTIC COMMERCIAL 2 STOCK 6 MUNICIPAL WATER 3 | IRRIGATION PUBLIC SUPPLY INDUSTRIAL USE COOLING OR AIR CONDITIONING cedar finished home ☐ OTHER 9 🗆 NOT USED 1 CABLE TOOL 6 BORING METHOD \_ 2 ROTARY (CONVENTIONAL)
3 ROTARY (REVERSE) 7 DIAMOND OF # | JETTING DRILLING 4 🖂 ROTARY (AIR) B DRIVING F AIR PERCUSSION DRILLERS REMARKS NAME OF WELL CONTRACTOR ONTRACTOR 59-62 DATE RECEIVED 0 8 1 1 7 4 LICENCE NUMBER CONTRACTOR ONLY Capital Water Supply Ltd. CONTRACTOR 1558 DATE OF INSPECTIO 10 Box 490 Stittsville, Ontario Р OFFICE WΙ

MINISTRY OF THE ENVIRONMENT COPY

DAY 18 MO. 10

FORM 7 07-091

5.55.58

### MINISTRY OF THE ENVIRONMENT

The Ontario Water Resources Act

3-16-151

FORM 7

07-09

WELL RECOR 1514785 15006 CØN 2. CHECK 🗵 CORRECT BOX WHERE APPL Carleton Max c LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) GENERAL COLOUR MOST COMMON MATERIAL DEPTH - FEET GENERAL DESCRIPTION Brown 17-1 0 Sand Strie 90 QS 002560585 0090218173 WATER RECORD 51 **CASING & OPEN HOLE RECORD** SCREEN KIND OF WATER WALL THICKNESS INCHES MATERIAL AND TYPE 1 FRESH 2 SALT SULPHUR 4 | MINERAL GALVANIZED
GONCRETE
GREN HOLE .188 FRESH 3 SULPHUR
CONTROL
CONTRO 61 **PLUGGING & SEALING RECORD** STEEL DEPTH SET AT - FEET 1 FRESH 3 SULPHUR
2 SALTY 4 MINERAL 1 GALVANIZED CONCRETE 1 FRESH 3 SULPHUR
2 SALTY 4 MINERAL 1 STEEL 2 2 GALVANIZED 1 | FRESH 3 | SULPHUR
2 | SALTY 4 | MINERAL 3 CONCRETE 30-33 80 DIRATION OF PUMPING

15-16

O O17-18

HOURS LOCATION OF WELL 2 | BAILER WATER LEVEL END OF PUMPING IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW. PUMPING PECOVERY PUMPING RECOMMENDED 43-45
PUMP
SETTING FEET
GPM./FT. SPECIFIC CAPACITY DEEP WATER SUPPLY 5 ABANDONED, INSUFFICIENT SUPPLY FINAL OBSERVATION WELL & ABANDONED, POOR QUALITY **STATUS** 3 | TEST HOLE
4 | RECHARGE WELL 7 🗆 UNFINISHED OF WELL DOMESTIC 5 COMMERCIAL 2 STOCK
3 RRIGATION 6 | MUNICIPAL
7 | PUBLIC SUPPLY **WATER** USE D 4 | INDUSTRIAL 8 COOLING OR AIR CONDITIONING 9 NOT USED OTHER 1 CABLE TOOL
2 ROTARY (CONVENTIONAL) METHOD Z 6 🖺 BORING 7 DIAMOND 3 | ROTARY (REVERSE)
4 | ROTARY (AIR)
5 | AIR PERCUSSION OF 8 | JETTING DRILLING 9 DRIVING ONLY CONTRACTOR () Hear USE ( OFFICE WI

### MINISTRY OF THE ENVIRONMENT

The Ontario Water Resources Act

Ontario	1. PRINT ONLY IN 2. CHECK ⊠ CORF	SPACES PROVIDED		11	51626	0	MUNICIP. 15101016	(C)	<u> </u>	03
COUNTY OR DISTRICT	ton	TOWNSHIP, BOROUGH, CITY,	TOWN, VILLAG	3		con 3	., BLOCK, TRACT, SURVE	Y, ETC.	1	9/2527
					0+4			DATE COMP	PLETED 4	8-53
		NG 23.	mscse A 1.4.0	<u>ve.</u>	Ottawa,	Un tar	BASIN CODE 26	11	111	iv
1 2	** 10 12	OG OF OVERBURDEN	AND BED	ROCI	K MATERIA	LS (SEE	31		,	47
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MAT	ERIALS			GENEF	RAL DESCRIPTION		DEPTH FROM	- FEET
brown	clay				pa	cked			0	В
brown	clay	boulders			pa	cked			9	11
grey	limestone	sandstone			ha:	rd	- Contraction of the Contraction		11	35
grey	sandstone								35	115
3) 1000	960579 091	1610513790035	215/87	3	9/152/8	لىلى				
32	14 15 21	32			<u>, , , , , , , , , , , , , , , , , , , </u>	SIZE	54 (S) OF OPENING	31-33 DIAME	TER 34-38 L	75 80 ENGTH 39-40
WATER FOUND	TER RECORD	CASING & C	WALL THICKNESS		CORD	N (SLO	NO NO		INCHES	FEET
10-13 1	FRESH 3 SULPHUR 14	DIAM MATERIAL INCHES 12	188	еком О	™ 0022°	SCB	ERIAL AND TYPE		DEPTH TO TOP OF SCREEN	41-44 80 FEET
	FRESH 3 SULPHUR 19 SALTY 4 MINERAL	2 GALVANIZED 3 CONCRETE 4 DPEN HOLE		2		61	PLUGGIN	G & SEAL	ING RECO	RD
20-23 1	FRESH 3 SULPHUR 24	17-18 1			0/15		SET AT - FEET	MATERIAL ANI		NT GROUT CKER ETC )
25-28 1	SALTY 4 MINERAL  FRESH 3 SULPHUR 29	3 CONCRETE 4 OPEN HOLE			27-30	ļ	10-13 14-17			
L	SALTY 4 MINERAL  FRESH 3 SULPHUR 34 6	24-25 1   STEEL 26 2   GALVANIZED 3   CONCRETE			27730		6-29 30-33 80			
	SALTY 4 MINERAL	4 OPEN HOLE	LMPING							nacional, il transportational anni dell'internacional dell'internacional dell'internacional dell'internacional
¥71‼ <b>⊿</b>	2   BAILER 001		15 (A) 17				LOCATION C			N.O.
STATIC LEVEL	PUMPING	LEVELS DURING 2	PUMPING RECOVERY		LOT L		LOW SHOW DISTANCE DICATE NORTH BY A		FROM ROAD A	N U
E 020	J70 J70 26.	28 070 <sup>29-31</sup> 070 <sup>32</sup>	·34 <b>८७</b> 0°			1				
FELOWING. GIVE RATE  RECOMMENDED PU	38-41 PUMP INTAKE	SET AT WATER AT END		42	$\mathcal{L}$	(	Our			
10.1	PUMP	D 43-45 RECOMMENDED	46	49	7	J	+ ()	_		
SHALLOV		ECIFIC CAPACITY	G	PM			*	//		
FINAL	1  WATER SUPPLY 2  □ OBSERVATION WE	5 ABANDONED, INSUI		~ ]			S. S.	#		
STATUS OF WELL	3   TEST HOLE 4   RECHARGE WELL	7 UNITINISHED					Z	30	)	
1	55-56 1 X DOMESTIC 2 STOCK	5 COMMERCIAL 6 MUNICIPAL					4	3		
WATER (	4   INDUSTRIAL	7 PUBLIC SUPPLY  8 COOLING OR AIR COND  9 NOT					•			
	S7   CABLE TOOL	€ □ BORING		-			_		outh C	$\lambda$
METHOD OF	2   ROTARY (CONVEN	TIONAL) 7 DIAMOND E) 8 DETTING			0-	P C	ARP RON	5	on Mr	
DRILLING	4   ROTARY (AIR)  5   AIR PERCUSSION	9 DRIVING			DRILLERS REMAR	ĸs			1,1,	
NAME OF WELL	contractor ital Water Supp		cence number	$\neg \lceil$	DATA	58	CONTRACTOR 59-62	DATE RECEIVE	1177	63-68 80
ADDRESS				-	SOURCE  DATE OF INSP	ECTION ZO	195 Thispecton	<u> </u>	11/	J
NAME OF DRILL	/ /		CENCE NUMBER	+	S PEMARKS:	ne d'	BA BA	) <u> </u>	P	)
S WANTURE OF	contractor	SUBMISSION DATE			B. B.	, p.kor	Sen Buch		-	 V I
Much	upavan	Ceft DAY 5 MO.	10 YR.		0	<i>.</i>				7 MOE 07-091

#### MINISTRY OF THE ENVIRONMENT The Ontario Water Resources Act

Ontario  1. PRINT ONLY IN SPA	CES PROVIDED BOX WHERE APPLICABLE	1516509 15006 CON	0,3
Carleton	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT 25-27
	48 Base	line Rd. Ottowa DAY 29	MO 05 48-53
	D.Z.Z.700	10. ELEVATION 11. 12. 12. 12. 12. 12. 12. 12. 12. 12.	111 11
GENERAL COLOUR MOST		OCK MATERIALS (SEE INSTRUCTIONS)	DEPTH - FEET
Banum Sund	OTHER MATERIALS	GENERAL DESCRIPTION	FROM TO
		- Jove -	
Grey Sandstone		verij kaid.	2 65
31 1000216128177 1006592	2890 73		
32	CASING & OPEN HOLE	43 54 65  PECORD SIZE(S) OF OPENING 31-33 DIAMETER	75 80 34-38 LENGTH 39-40
WATER FOUND KIND OF WATER	SIDE WALL HICKNESS	DEPTH - FEET W MATERIAL AND TYPE	TO TOP 41-44 30
062 1 FRESH 3 SULPHUR 14 2 SALTY 4 MINERAL	151 1 STEEL 12 . 188	O 213-16 OF SC	
15-18 1 FRESH 3 SULPHUR 19 2 SALTY 4 MINERAL  20-23 1 FRESH 3 SULPHUR 24	17-18 1 () STEEL 19	002   61 PLUGGING & SEALING DEPTH SET AT - FEET MATERIAL AND TYPE	(CEMENT GROUT
2 SALTY 4 MINERAL 25-28 1 FRESH 3 SULPHUR 29	G I GALVANIZED  3 C CONCRETE  4 OPEN HOLE	0065 FROM 10 MATERIAL AND TYPE	LEAD PACKER, ETC.)
2   SALTY 4   MINERAL  30-33     FRESH 3   SULPHUR 34 60	24-25 1 STEEL 26 2 GALVANIZED 3 CONCRETE	27-30 18-21 22-25 26-29 30-33 80	
2 SALTY 4 MINERAL  71 PUMPING TEST METHOD 10 PUMPING RATE	14 OPEN HOLE  11-14 BURATION OF PUMPING	LOCATION OF WELL	
STATIC WATER LEVEL 25 END OF WATER LEVELS	GPM 0/ 15-16 00 17-18 MIRS	IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM	ROAD AND
PUMPING  19-21 22-24 15 MINUTES 36  26-28	2 RECOVERY  D MINUTES 45 MINUTES 50 MINUTES 29-31 32-34 35-37	LOT LINE INDICATE NORTH BY ARROW.	
	050 FEET 050 FEET WATER AT END OF TEST 42	2 42'	*/
FEET FEET FEET FEET FEET FEET FEET FEET	FEET 1 CLEAR 2 CLOUDY  43-45 RECOMMENDED 46-49 PUMPING	os ponos	
50-53 GPM./FT. SPECIFIC	CAPACITY CAPACITY	Jago .	
FINAL  STATUS  1 WATER SUPPLY 2 OBSERVATION WELL 3 TEST HOLE	5 ABANDONED, INSUFFICIENT SUPPLY 6 ABANDONED, POOR QUALITY 7 UNF. NISHED	6 m	
OF WELL ! 4   RECHARGE WELL	COMMERCIAL	4	
WATER 3   RRIGATION 7	☐ MUNICIPAL ☐ PUBLIC SUPPLY ☐ COOLING OR AIR CONDITIONING		
57 1 CABLE TOOL	9 🗆 NOT USED		
METHOD  2   ROTARY (CONVENTIONAL  3   ROTARY (REVERSE)	8 🗍 JETTING	Hwy 17	=
5 AIR PERCUSSION	9 DRIVING	DRILLERS REMARKS	·
apital Hater Supp	Ly Ltd 1558	DATA SOURCE S8 CONTRACTOR S9-52 DATE RECEIVED 6 0	6 7 8 63-68 80
ADDRESS  BOX 490  STUTE OF BORER  MANE OF DRILLER OF BORER  Miller	LICENCE NUMBER	O DATE OF INSPECTION INSPECTOR	
SIGNAFARE OF CONTRACTOR	SUBM SSION DATE	O F I C I C I C I C I C I C I C I C I C I	Р
MINISTRY OF THE ENVIRONMEN	DAV30 NO. 5 78	1 23,00	WI ORM 7 MOE 07-091

	The state income	
WATER	WELL	RECORD

R 85% 1516836 1. PRINT ONLY IN SPACES PROVIDED 15006 2. CHECK X CORRECT BOX WHERE APPLICABLE TOWNSHIP, BOROL Mar 9 DATE COMPLETED DA 20 LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) GENERAL COLOUR MOST COMMON MATERIAL DEPTH - FEET GENERAL DESCRIPTION Brown Sund 0 ス 125 0002612877 | 612521817473 | 1111 10 14 15 21 21 43 **(**51) WATER RECORD **CASING & OPEN HOLE RECORD** SCREEN DEPTH KIND OF WATER то 1 FRESH 3 SULPHUR
2 SALTY 4 MINERAL 27 GALVANIZED
CONCRETE
OPEN HOLE 0022 1 | FRESH 3 | SULPHUR
2 | SALTY 4 | MINERAL 61 PLUGGING & SEALING RECORD 1 D STEEL
2 D SALVANIZED FEET 1 FRESH 3 SULPHUR
2 SALTY 4 MINERAL MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.) FROM 0055 1 | FRESH 3 | SULPHUR
2 | SALTY 4 | MINERAL FOPEN HOLE 1 GALVANIZED 22-25 1 FRESH 3 SULPHUR
2 SALTY 4 MINERAL LOCATION OF WELL PUMP 2 D BAILER 0/ 15-16 00 WATER LEVEL END OF PUMPING IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE INDICATE NORTH BY ARROW. PUMPING RECOVERY WATER LEVELS DURING 29-31 O FEE PUMPING 1 CLEAR 2 CLOUDY RECOMMENDED PUMP SETTING 0 75 DEEP FEET 1 WATER SUPPLY 5 ABANDONED, INSUFFICIENT SUPPLY **FINAL** 2 D OBSERVATION WELL 6 ABANDONED, POOR QUALITY **STATUS** 3 TEST HOLE
4 RECHARGE WELL OF WELL 1 DOMESTIC 5 COMMERCIAL 2 STOCK
3 RRIGATION MUNICIPA \_ PUBLIC SUPPLY WATER O COOLING OR AIR CONDITIONING
9 NOT USED USE 4 [] INDUSTRIAL OTHER 1 CABLE TOOL 6 [] BORING **METHOD** Z ROTARY (CONVENTIONAL) 5 7 [] DIAMOND 3 | ROTARY (REVERSE)
4 | ROTARY (AIR)
5 | AIR PERCUSSION OF **DRILLING** 9 [] DRIVING CONTRACTOR 1538 **1**812?8 OFFICE USE ONLY

C33.33

FORM NO. 0506—4—77 FORM 7

Ontario	1. PRINT ONLY IN S 2. CHECK 🔀 CORRE	CT BOX WHERE APPLICABLE		51793		[1.500]	14 15	<b>N</b> , ,	22 23
COUNTY OR DISTRICT	-Morleton	Kanata		RCH TWP		., BLOCK, TRACT, SURV			11
		South Mar	o.b.	Ontonio			DATE COMP		48-53 7 YR. <u></u> 字:
		503 th Mar		BARO		216	" "	i , ", ,	l v
	M (Q ¶2	17 18 24	75	25	30	31			<u> </u>
· · · · · · · · · · · · · · · · · · ·	LO	G OF OVERBURDEN AND BE	DROC	K MATERIAL				DEPTH	- FEET
GENERAL COLOUR	COMMON MATERIAL	OTHER MATERIALS				RAL DESCRIPTION		FROM	TO
Brown_	Sand	Gravel		Fil				()	3
Gray	Sandstone			ille C	<u>iium</u>			3_	53_
			<del></del>						-
									1
31	36 28 1  a    005=	ا ا ا ا ا ا ا ا ا ا ا ا ا	1.11		.   .	1[1.]		1 1 . I	
32		<u> </u>	L++ 	<del>                                     </del>					
10	TER RECORD	(51) CASING & OPEN HO	OLE RI	ECORD	<b>Z</b>   \$12	54 E(S) OF OPENING OT NO )	31-33 DIAMS	TER 34-38	75 LENGTH 39
WATER FOUND AT - FEET	KIND OF WATER	INSIDE WALL DIAM MATERIAL THICKNESS		PTH - FEET	E MA	TERIAL AND TYPE		INCHES DEPTH TO TOP	FE 41-44
	FRESH 3   SULPHUR   SALTY 4   MINERAL	INCHES INCHES		13-16	SC			OF SCREEN	FEET
15-18 1	FRESH 3 SULPHUR 19	GALVANIZED CONCRETE C		0022	61	PLUGGII	NG & SEA	LING REC	ORD
	SALTY 4 MINERAL  FRESH 3 SULPHUR 24	17-18   STEEL 19	2	2 <b>20-23</b>	DEPT	H SET AT - FEET	MATERIAL AN	D TYPE (CEM	ENT GROUT PACKER, ETC )
2	SALTY 4   MINERAL 29	CONCRETE  10 4 POPEN HOLE		2 233		10-13 14-17			
2 [	SALTY & MINERAL	24-25 1 STEEL 25 2 GALVANIZED		27-30		18-21 22-25	-1		
2 0	FRESH 3 SULPHUR 34 BO	3 CONCRETE 4 OPEN HOLE				26-29 30-33 8			
71 JUMPING TEST MET		1	17-18			LOCATION	OF WEL	. L	
PUMP	WATER LEVEL 25	15 GPM 01 IS-16 60 HOURS 60	MINS			LOW SHOW DISTAN		FROM ROAD	AN D
S OZO 19-51	DUMPING	EVELS DURING 2 RECOVERY  30 MINUTES 45 MINUTES 60 MINUTES		LOT LIN	16 11	NDICATE NORTH BY	ARROW.		
1900	030 FEET 030 FEE	030 FEET <b>0</b> 30 FEET <b>0</b> 30	35-37 FEET					1	
Z IF FLOWING. GIVE RATE	38-41 PUMP INTAKE	1 Mars 2 Day	AZ DUDY		1			1	
IF FLOWING. GIVE RATE  RECOMMENDED PU	PUMP	A3-45 RECOMMENDED	46-49	7				1	
50-53	Y T DEEP SETTING	040 FEET RATE 0005	GPM	#	1	į	*	i i	
FINAL	84 I ☑ WATER SUPPLY	S ( ABANDONED, INSUFFICIENT SU	PPLY		Ì			ł	
STATUS	2 DBSERVATION WELL	L S ABANDONED POOR QUALITY UNFINISHED		3	1	6'3" 2	2'	1	
OF WELL	4 ☐ RECHARGE WELL  5-56 1 🖺 DOMESTIC	5 D COMMERCIAL		#	1			1	
WATER	2 STOCK 3 IRRIGATION	MUNICIPAL Dublic Supply				016 OC	toux	3 20	<del>/</del>
USE 0	4   INDUSTRIAL   OTHER	COOLING OR AIR CONDITIONING 9 □ NOT USED			(	J10 0 C			
	57 CABLE TOOL	6 ☐ BORING							
METHOD OF	5 ROTARY (CONVENT	) # 🗆 JETTING							
DRILLING	4   ROTARY (AIR) 5   AIR PERCUSSION	9   DRIVING		DRILLERS REMARKS			•		
NAME OF WELL		LICENCE NUMBE	R	SOURCE	54	contractor 59-	0 S RECEIVE	201	29""
Capit ADDRESS	al Water Sup	<u> </u>	$\dashv$	SOURCE  DATE OF INSPEC	TION	INSPECTOR	VV	AV (	
BOX 4	190; Stittsvi LER OR BORER	11e, Ont. KOA 3GO	R	S REMARKS					
S. Mi	ller/ W. Kav	anagh		OFFICE					
SIGNATURE OF	dontractor  ( ( ) ) ( )	SUBMISSION DATE  DAY OL MO. 074	0/1	tt					



MINISTRY OF THE ENVIRONMENT COPY

### The Ontario Water Resources Act

Ontario	/Ironment 1. Print only in 2. Check ⊠ cori	SPACES PROVIDED	520039 JEOOG C	2N
COUNTY OR DISTRICT	Cool	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT 25-27
		7.4.11	CON 3	
		*1 KANATA, (	ELEVATION RC BASIN CODE II	MO VR YR.
1 2	M 10 12	OG OF OVERBURDEN AND BEDROC	K MATERIALS (SEE INSTRUCTIONS)	47
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET
BROWN			Loosé	FROM TO 3'
BROWN			VERY ADRASIVE +HARD	3' 105'
			,	
	·.			
31		11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1		
32		<del>~</del> <del>                                      </del>	<del></del>	
41 WA	TER RECORD	51 CASING & OPEN HOLE RE	CORD Size(s) OF OPENING	TER 34-38 LENGTH 39-40
WATER FOUND AT - FEET	FRESH 3 SULPHUR 14	INSIDE DIAM MATERIAL THICKNESS INCHES FROM	TO MATERIAL AND TYPE	DEPTH TO TOP 41-44 30 OF SCREEN
30' 20	SALTY 4   MINERAL	614 2 GALVANIZED .188 0	187.11	FEET
68'	SALTY 4 MINERAL	17-18 1 ☐ STEEL 19	20-23 DEPTH SET AT - FEET	COURTY CROWN
87' 2	FRESH 3 SULPHUR 24 SALTY 4 MINERAL	6" GALVANIZED 18"	105' FROM TO MATERIAL AND  105' JOHN TO MATERIAL AND  105' CETTE VI	LEAD PACKER, ETC.)
2 [	FRESH 3 SULPHUR 29 SALTY 4 MINERAL	4	27-30 18-21 22-25 PORTABA	DROUT DD TYPE FRO
2	FRESH 3 SULPHUR 34 0 SALTY 4 MINERAL	3 CONCRETE 4 OPEN HOLE	26-29 30-33 80	72 .776 73
71 PUMPING TEST NET	HOD 10 PUMPING RATE	7 15-16 17-18	8998 LOCATION OF WEL	L
STATIC LEVEL	WATER LEVEL 25	GPM HOURS NINS  VELS DURING  PUMPING  RECOVERY	IN DIAGRAM BELOW SHOW DISTANCES OF WELL LOT LINE. INDICATE NORTH BY ARROW.	FROM ROAD AND
19-21	22-24 15 MINUTES 26-28	30 MINUTES 45 MINUTES 60 MINUTES 29-31 32-34 35-37	OLD Hwy #17	
Z FEET IF FLOWING.	80 FEET 80 FEE	ET AT WATER AT END OF TEST 42		
IF FLOWING. GIVE RATE  RECOMMENDED PUI		FEET 1 CLEAR 2 CLOUDY  43-45 RECOMMENDED 46-49  PUMPING 2	7	
SHALLOW	DEEP SETTING	FEET RATE & GPM		
FINAL	1 WATER SUPPLY	S ABANDONED, INSUFFICIENT SUPPLY	3/4	
STATUS OF WELL	2  OBSERVATION WELL 3  TEST HOLE 4  RECHARGE WELL	B ABANDONED, POOR QUALITY UNFINISHED	3/4 mile	
	DOMESTIC STOCK	5 COMMERCIAL 6 MUNICIPAL		
WATER USE	3   IRRIGATION 4   INDUSTRIAL	7 D PUBLIC SUPPLY  ■ COOLING OR AIR CONDITIONING	1-90-	
1	OTHER  S7   CABLE TOOL	9 □ NOT USED  6 □ BORING	x / \	
METHOD OF	2 ROTARY (CONVENT) 3 ROTARY (REVERSE)	IONAL) 7 DIAMOND  B DETTING	1-20-1	
DRILLING	FOR AIR PERCUSSION	9 ☐ DRIVING	IRILLERS REMARKS:	10
name of well o		522	DATA SE CONTRACTOR SPIGZ DATE OF EIVED	10 85
NAME OF DRILLE  NAME OF DRILLE  S, SK  SIGNATURE OF C	Y DRILLING C CARP, UNT	0.67D 3409		
NAME OF DRILLE	K OK BOKEK	LICENCE NUMBER		
S S S S S S S S S S S S S S S S S S S	OMBACTOR	SUBMISSION DATE	WDE	
	THE ENVIRONMENT	DA1 NO TR		ORM NO. 0506—4—77 FORM 7

# Ministry

Ontario 1. PRINT ONLY IN SPA	CES PROVIDED 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	52073	MUNICIP	, cov.	
COUNTY OF DISTRICT	TOWNSHIP BOROUGH, CITY TOWN, VILLAGE		CON. BLOCK PRACT, SURVE	Y, ETC.	10/12
	PR#1 Honat	KOK	187	DATE COMPLETED	5" x6
		ELEVATION .	RC BASIN CODE		1 1 1 1
LOG	OF OVERBURDEN AND BEDROCK	MATERIALS	(SEE INSTRUCTIONS)		
GENERAL COLOUR COMMON MATERIAL	OTHER MATERIALS		GENERAL DESCRIPTION	FROM	PTH - FEET TO
				0	0
gry Clay					
neg white sandstone		ve	ry hard	2	63
		(	<u> </u>		
39420-					
31					ا لبلبا
32 10 14 15 1 1 21 1	132 132 132 133 133 133 133 133 133 133	·opp ] [-	54 SIZE(S) OF OPENING	65 31-33 DIAMETER 54-3	75 50 18 LENGTH 39-40
WATER RECORD  WATER FOUND AT - FEET  KIND OF WATER	DIAM MATERIAL THICKNESS	H - FEET	MATERIAL AND TYPE	INCHE OEPTH TO T	
5 6 2 SALTY 4 MINERAL	10-11 1 STEEL 12	1 119	20	OF SCREEN	FEET
15-18 1 FRESH 1 SULPHUR 19 2 SALTY 4 MINERAL	GALVANIZED   -/56   O   CONCRETE   -/56   O   O   O   O   O   O   O   O   O		PLUGGIN		CEMENT GROUT
20-23 1 FRESH 3 SULPHUR 24 2 SALTY 4 MINERAL 25-26 4 SECTION 2 SULPHUR 29	6 GALVANIZED 22	63	FROM TO 10-11 14-17	Cement gr	outed
Z SALTY 4 MINERAL	24-25 1  STEEL	27-30	18-21 22-25		
z SALTY 4 MINERAL	3 CONCRETE 4 OPEN HOLE		26-29 30-33 80		
	Q   11-14   DURATION OF PUMPING   17-18		LOCATION (		
LEVEL PUMPING	1	LOT LINE			A
19-21 5 22-24 15 MINUTES 5 06-28 FEET FEET FEET FUND PINTAKE SE'	5 0 MINUTES 45 MINUTES 60 MINUTES 5 05-37 FEET FEET FEET 42				N
GPM GPM	FEET 1 CLEAR 2 CLOUDY				* W t
RECOMMENDED PUMP TYPE RECOMMENDED PUMP SETTING SO: 53	S 0 43-45 RECOMMENDED A6-49 PUMPING ATE GPM		nr.		
54 4	s ABANDONED, INSUFFICIENT SUPPLY	7	11		
FINAL STATUS OF WELL  1	ABANDONED POOR QUALITY     UNFINISHED		j To Km		1
55-56 1 DOMESTIC	5 COMMERCIAL 6 MUNICIPAL	e navie majori vingeni ken	010 C	12 /2.	
•	7 PUBLIC SUPPLY  O COOLING OR AIR CONDITIONING  O NOT USED				
57 CABLE TOOL	6 ☐ BORING				
OF 3 □ ROTARY (REVERSE) DRILLING 4 □ ROTARY (AIR)	ONAL) 7 DIAMOND DETTING DETVING		1		
S AIR PERCUSSION	LICENCE NUMBER	DATA	58 CONTRACTOR 59-62	DATE RECEIVED	63.68 80
1 1 60 111 1 10 10 10 1	hillery 3644			1 2 0 8 8	0
ADDRESS 326, PLO NAME OF DRILLER OR BORER  SIGNATURE OF CONTRACTOR  SIGNATURE OF CONTRACTOR	Missond O/T.	REMAPKS			
SIGNATURE OF CONTRACTOR	SUBMISSION DATE 5 86				
MINISTRY OF THE ENVIRONM				FORM NO.	0506—4—77 FORM



Untario  1. Print only in spac 2. Check 🗵 correct	BOX WHERE APPLICABLE	1521060	MUNICIP	CON.
COUNTY OR DISTRICT	TOWNSHIP, BOROUGH CITY TOWN, VILLAGE KANATA	CON.	BLOCK, TRACT, SURVEY, ETC.	12
	s		DAT	E COMPLETED 148-53
	HING RI		BASIN CODE	111 1v
	OF OVERBURDEN AND BEDRO			47
COMMON MATERIAL	OTHER MATERIALS	GENERA	L DESCRIPTION	DEPTH - FEET FROM TO
GREY CLAY		tack	ED.	0 7
WHITE QUARZITIE	LIMESTONELAY	MED () = 2	HARD.	45 74'
	The state of the s	EIB. CCN	YIMKB	13 11
	, ,			
31				
32	32	43	<u> </u>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
WATER FOUND 51 WATER FOUND KIND OF WATER INSI	DE WALL	RECORD DEPTH - FEET	OF OPENING 31-33	DIAMETER 34-38 LENGTH 39-40
15 16-13   FRESH 3   SULPHUR 14   MINERAL   1/2	MATERIAL THICKNESS FR	OM TO G MATERIA	C AND TYPE	DEPTH TO TOP 41-44 30 OF SCREEN
6 15918   FRESH 2   SULPHUR 19 2   SALTY 4   MINERAL	Z GALVANIZED COOCETE CONCRETE COPEN HOLE	22.6	PLUGGING & S	EALING RECORD
20-23 1 5 50500 1 5 50500 14	17-18 : -   STEEL   19	20,23 DEPTH SET FROM	TO MATERIAL	AND TYPE (CEMENT GROUT)
25-28 1   FRESH 3   SULPHUR 29   2   SALTY 4   MINERAL	OPEN HOLE	27-30	22 CE	MENT GROWT
10-33 1   FRESH 3   SULPHUR 34 82   Z   SALTY 4   MINERAL	2 GALVANIZED 3 CONCRETE 4 OPEN HOLE	26-29	30-33 80	PED)
71 PUMPING TEST METHOD 10 PUMPING RATE	11-14 DURATION OF PUMPING 15-16 17-18	LO	CATION OF W	ELL
STATIC WATER LEVEL 25 LEVEL END OF WATER LEVELS I	GPMMINS	IN DIAGRAM BELOW LOT LINE. INDICA	SHOW DISTANCES OF WE	ELL FROM ROAD AND
19-21 30 15 MINUTES 30 N	RINUTES 45 MINUTES 60 MINUTES 32-34 35-37		TE NORTH BI ARROW.	**N> //
FEET FEET FEET  IF FLOWING, 38-41 PUMP INTAKE SET AT  GIVE RATE  GPM  RECOMMENDED PUMP TYPE  RECOMMENDED PUMP	FEET FEET FEET WATER AT END OF TEST 42			
RECOMMENDED PUMP TYPE RECOMMENDED PUMP	FEET 1 CLEAR 2 CLOUDY  43-45 RECOMMENDED 45-49 PUMPING			//
SHALLOW. DEEP SETTING SO-53	FEET RATE CO GPM	ì	i	' //
STATIIS Z BOBSERVATION WELL	ABANDONED. INSUFFICIENT SUPPLY ABANDONED. POOR QUALITY	i	1-65'- well	-(1
OF WELL 4   RECHARGE WELL	UNFINISHED		well.	)4
WATER    DOMESTIC   5	COMMERCIAL MUNICIPAL PUBLIC SUPPLY	1		
USE   INDUSTRIAL   DOTHER	COOLING OR AIR CONDITIONING 9	, »,	1/	
METHOD  57  CABLE TOOL  POTENTIONAL	6 DORING 7 DIAMOND			
OF DRILLING  DRILLING  A Detary (air)  A ir percussion	□ JETTING 9 □ DRIVING		RCH Rd.	02042
NAME OF WELL CONTRACTOR	LICENCE NUMBER	DATA 58 CONTR	ACTOR 59-62 DATE RECE	75 12 86 "" "
WOLLEY DRILLING C ADDRESS  RR 3 CARP, OUT NAME OF DRILLER OR BORER  S. STATUR OF CONTRACTOR	DOB 1-2	O DATE OF INSPECTION	INSPECTOR	77 1 2 00
MAME OF DRILLER OR BORER  S. S. LUSE T-310 Bil	Bisson Harris	M REMAPKS		
S SIGNATURE OF CONTRACTOR	SUBMISSION DATE	OFFICE		
MINISTRY OF THE ENVIRONMENT				FORM NO. 0506—4—77 FORM 7



2. CHECK CORRECT BOX WHERE APPLICABLE 1 2 10 11 15  COUNTY OR DISTRICT TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE CON SLOWER TRACE SHOWEN FIRE	22 23 74
KANATA 3	17
1 KANATA ONT K2K-1X7 DAY MO	2 .90
ING RC ELEVATION RC BASIN CODE II III	lv lv
LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)	47
GENERAL COLOUR MOST COMMON MATERIAL OTHER MATERIALS GENERAL DESCRIPTION FROM	H - FEET
BROWN SAND FILL LOUSE O	5
GREY LIMESTONE HARD 5	38'
WHITE DANDSTONE QUARTZITE HARD 38	54/
OREY LIMESTONE QUARTZ HARD. 54	60
31	- <del>  </del>
32	1, 1
WATER FOUND AT FEFT KIND OF WATER INSIDE WALL DEPTH - FEET W	LENGTH 39-40
10-13 1 G-FRESH 3 SULPHUR TO TO OF SCREEN  10-13 1 G-FRESH 3 SULPHUR TO TO OF SCREEN  10-13 1 G-FRESH 3 SULPHUR TO TO OF SCREEN  10-13 1 G-FRESH 3 SULPHUR TO TO OF SCREEN	41-44 30
50 15 FRESH 3 SULPHUR 19 64 3 CONCRETE 1/00 61 PLUGGING & SEALING RECO	ORD
20-23 1 FRESH 3 SULPHUR 24 / 1 STEEL 19 20-23 DEPTH SET AT - FEET MATERIAL AND TYPE (CEM	ENT GROUT ACKER, ETC )
25-26 1 FRESH 3 SULPHUR 29 5 PLASTIC 26 10-12 21 CEMENT GX	'ou
30-33 1   FRESH 3   SULPHUR 34 80   3   CONCRETE   22-25	
2 SALTY 6 GAS 5 PLASTIC  PUMPING TEST METHOD 10 PUMPING RATE II-14 DURATION OF PUMPING	
71 A A A B A B A B A B A B A B A B A B A	
LEVEL PUMPING 2 RECOVERY LOT LINE INDICATE NORTH BY ARROW.	(ND
GPM 40 FEET 1 BCLEAR 2 CLOUDY	
RECOMMENDED PUMP TYPE  RECOMMENDED  A3-45 PUMP PUMP PUMP RATE  SO-53  RECOMMENDED  A4-45 PUMPING RATE  SPM	
	11
STATUS  2 OBSERVATION WELL  4 ABANDONED POOR QUALITY  3 TEST HOLE  7 UNFINISHED  TO UNFINISHED	1
OF WELL 4 RECHARGE WELL DEWATERING  55-56 DOMESTIC 5 COMMERCIAL	1
WATER  2   STOCK   MUNICIPAL 3   IRRIGATION   PUBLIC SUPPLY  USE   INDUSTRIAL   COOLING OR AIR CONDITIONING	ĺ
OTHER 9   NOT USED	
METHOD  OF  Total Conventional	
CONSTRUCTION 4 ROTARY (AIR) 9 DRIVING 5 PAIR PERCUSSION DISCOURS DESCRIPTION	2039
NAME OF WELL CONTRACTOR SE CON	63-68 80
THE PARKEY DAIRAING INC 5222   522 APR 11 199	0
NAME OF WELL TECHNICIAN  WELL TECHNICIAN'S  INFORMATION OF MELL TECHNICIAN'S  REMAPKS	
SIGNATUYE ON CONTRACTOR  SUBMISSION DATE  DAY  MO  VB	
MINISTRY OF THE ENVIRONMENT COPY  FORM NO. 0506 (1)	



Untario  1 Print only in s 2. Check ⊠ corre	PACES PROVIDED 11	524600	15006	CON.	1 03
COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY TOWN, VILLAGE	CON	BLOCK, TRACT, SURVEY, E	15	22 23 24 LOT 25-27
	ANGTA	0/1	K217149.	ATE COMPLETED	49-53
	THE UESTIC	ELEVATION RC.	BASIN CODE	DAY MO	YR
1 2 10 12	17 18 24 25	26 30	31		47
GENERAL COLOUR MOST	G OF OVERBURDEN AND BEDROCI		· · · · · · · · · · · · · · · · · · ·	DEPT	H - FEET
COMMON MATERIAL	OTHER MATERIALS	GENER	AL DESCRIPTION	FROM	10
Brown + 11			FED	<u> </u>	3'
Shown Soil	Causania	Tack	( <b>ξ</b> 1)	3,	6
GREY SANDSTONE	SANDSTONE	1/120		157'	J-17
BROWN SPADSTONE	GREY SANDSTONE.	HARD		54'	15'
	Jan San San San San San San San San San S	1776			
	1-1-1				
31					
32	<del></del>	<u> </u>	<u> </u>		
1 2 10 14 15 21 41 WATER RECORD	51 CASING & OPEN HOLE REC	CORD Z SIZE (S	54 5) OF OPENING 31-33 NO	65 DIAMETER 34-38	75 80 LENGTH 39-40
WATER FOUND KIND OF WATER	INSIDE WALL DEPT THICKNESS INCHES FRUM	CORD TH - FEET TO MATER	RIAL AND TYPE	INCHES DEPTH TO TOP	FEET
35 10-13 1 FRESH 3 SULPHUR 14 2 SALTY 4 MINERALS 6 GAS	/ /10 AV 1 HSTEEL 12	223.6		OF SCREEN	FEET
15-18 1 FRESH 3 SULPHUR 19 2 SALTY 6 GAS	G/4 3 GALVANIZED 3 GONCRETE 4 GOPEN HOLE 5 GPLASTIC	61	PLUGGING &	SEALING RECO	ORD
FRESH 3 DSULPHUR 4 DMINERALS	1 STEEL 2 GALYANIZED 3 GANGREYE	FROM	TO MATE		ENT GROUT ACKER, ETC )
25-28 1 FRESH 3 DSULPHUR 29	G 3 DONCRETE 4 DOPEN HOLE 22	27-30	20 0	PMENTOR	roa
30-33 1 FRESH 3 ULPHUR 34 10	1 STEEL 2 GALVANIZED 3 GCONCRETE 4 GOPEN HOLE	26-2			
SALTY 6 GAS	5 □ PLASTIC				
71 NIR PUMP 2 D BAILER	GPMHOURSMINS		OCATION OF		
PUMPING	els during Pumping 2 Recovery		W SHOW DISTANCES OF ICATE NORTH BY ARROW		IND
# 10 45 US"	45 29-31 US 32-34 US 5 EET FEET FEET				
FEET FEET FEET  IF FLOWING. GIVE RATE  RECOMMENDED PUMP TYPE  RECOMMENDED PUMP TYPE  RECOMMENDED PUMP TYPE	AT WATER AT END OF TEST 42				
RECOMMENDED PUMP TYPE RECOMMENDED PUMP	FEET 1 CLEAR 2 CLOUDY  43-45 RECOMMENDED 46-49  PUMPING	N			
SHALLOW DEEP SETTING		[3]	7		
FINAL 1 WATER SUPPLY	S ABANDONED, INSUFFICIENT SUPPLY	HOUSE			
STATUS  OF WELL  OF WELL  OF WELL  OBSERVATION WELL  TEST HOLE  RECHARGE WELL	B ABANDONED POOR QUALITY UNFINISHED DEWATERING	101			ŀ
55-56 1 DOMESTIC	5 COMMERCIAL	I————			
WATER 3   IRRIGATION	MUNICIPAL  Dublic Supply  Cooling or air conditioning	Enerald	ſ		
OTHER	9 □ NOT USED	Marce	h		
METHOD 2 CABLE TOOL 2 ROTARY (CONVENTIO		ENERALd Mare Lo-	+15.		
OF CONSTRUCTION    ROTARY (REVERSE)   GOTARY (AIR)   AIR PERCUSSION	B   JETTING D   DRIVING D   DIGGING   OTHER			84	1303
NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S	DATA 58 CM	MACTOR 59-62 DAYE F	RECEIVED	63-58 80
& PALLEY DRILLING	INC STATE NUMBER	DATE OF INSPECTION	222 DATE P	JUN 26 199	0
ADDRESS  NAME OF VIELL TECHNICIAN  OU SIGNATURE OF ECHNICIAN (CONTRACTOR)	ARD ()VT 118				
NAME OF WELL TECHNICIAN  NAME OF WELL TECHNICIAN  NAME OF WELL TECHNICIAN	WELL TECHNICIAN'S LICENCE NUMBER				
SIGNA GRE OF TECHNICIAN/CONTRACTOR	SUBMISSION DATE  DAYMOYR.				
MINISTRY OF THE ENVIRONM	, , , , , , , , , , , , , , , , , , ,	1		FORM NO. 0506 (1	1/86) FORM 9



Ontario	1. PRINT ONLY IN	SPACES PROVIDED JECT BOX WHERE APPLICABLE	11	15246	502	NUMICIP 1500	6 60	N	. 1 103
COUNTY OR DISTRICT	PARIETIN	TOWNSHIP, BOROUGH, CITY, TO	WN. VILLAGE		CON . I	NOCK TRACT SU	IA IS RVEY ELC		22 23 74 LOT 25-27
		1 4NA	114	Ross	( P		DATE COMPL		41.53
		HING	<u>aach</u>	C ELEVATION	7 (10	BASIN CODE	DAY DAY	моС	YR.70_
	- 10 12 L(	OG OF OVERBURDEN A	ND BEDR		ALS (SEE IN	SIRUCTIONS)			1 1 1 1 1 1
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERI				L DESCRIPTION		DEPTH FROM	I - FEET
BROWN	Chay				PA	KED		<u></u>	//
GREY	SANDSTONE				HA	RU		6	29'
BROWN	SANDSTONE	a			HA	3D		29'	32'
WHITE	SANDSTONE	Quartzite			HAR	20		32 <u>'</u>	40'
						:			
	* 1				V		,		
31 32	<del>                                     </del>				با لبلب		44   444	444	لا للا
1 2 10	ER RECORD	51 CASING & OPE	N HOLF	RECORD.	SIZE(S)	OF OPENING	65 31-33 DIAMETER	34.38	75 BO ENGTH 39-40
WATER FOUND AT - FEET	KIND OF WATER	INSIDE MATERIAL THI	WALL	DEPTH - FEET	<b>3</b>	AL AND TYPE		INCHES	FEET
1 ^ ' ' '	FRESH 3 SULPHUR 14 SALTY 4 MINERALS 6 GAS	1 2 STEEL 12	CKI A	1 13-16	sc			F SCREEN	41-44 30 FEET
36	FRESH 3 SULPHUR 19 SALTY 6 GAS	3 GONCRETE 4 OPEN HOLE 5 PLASTIC	188 0	20	61	PLUGGI	IG & SEALII	NG RECO	RD
20-23	FRESH 3 E SULPHUR 24 SALTY 6 E GAS	17-18 1   STEEL 2   GALVANIZED 3   GANCRETE		20-23	DEPTH SET	то	MATERIAL AND T		NT GROUT CKER. ETC.)
_	FRESH 3 C SULPHUR 29 SALTY 6 C GAS	4 POPEN HOLE 5 PLASTIC  24-25 1 STEEL	16	2 40	<b>○</b> 10-13	20 (	Cenen	T GAO	u/
30-33	FRESH 3 C SULPHUR 34 BO. 4 C MINERALS SALTY 6 GAS	2 GALVANIZED 3 GONCRETE 4 GOPEN HOLE			26-29	30-33 80	<u> </u>	·	
		5 □ PLASTIC				CATION	25 14/51 1		
71 A PUMP 2	WATER LEVEL 25	GPN	17-18 MINS	IN DIA		SHOW DISTANC		OH BOAD AL	ı.
LEVEL 10-21	PUMPING 22-24 15 MINUTES	RECO		LOT LI		ATE NORTH BY		OM ROAD AF	
	30 FEET 30 FEET	FEET FEET	30 "	WELL					60
FEET FLOWING. GIVE RATE  RECOMMENDED PUMP	S8-41 PUMP INTAKE SE		T 42 □ CLOUDY	-x "	64	RAGE /	loose		N
RECOMMENDED PUNP	PTYPE RECOMMENDED PUMP SETTING	43-45 RECOMMENDED PUMPING RATE	46-49 GPM			11 1			
50-53								<del></del>	
FINAL STATUS	1 WATER SUPPLY 2 OBSERVATION WELL	S ABANDONED. INSUFFICIE  Mandoned Poor Qual							
OF WELL	3 TEST HOLE 4 RECHARGE WELL	7 DUNFINISHED DEWATERING		130					
WATER	DOMESTIC STOCK	5 COMMERCIAL 6 MUNICIPAL 7 PUBLIC SUPPLY							
USE		COOLING OR AIR CONDITIONS  9							
METHOD	1 CABLE TOOL	6   BORING		MARC	h Broc	ok C.	ReL.		
OF CONSTRUCTION	2 G ROTARY (CONVENTIO 3 G ROTARY (REVERSE)	NAL) 7 ☐ DIAMOND  4 ☐ JETTING  9 ☐ DRIVING		3 10 10 10 10 10 10 10 10 10 10 10 10 10	<del></del>			2/	323
	5 AIR PERCUSSION	□ DIGGING □ O		DRILLERS REMARKS	S				J. J
NAME OF WELL CO	TY DRILLING	WELL CON LICENCE N 52		DATA	58 CONTR	229	JUN 2	1 1990	63-68 80
ADDRESS NAME OF THE OF	Zel 437	ARO AL		DATE OF INSPECT	TION	INSPECTOR	, <u> </u>	, 1000	
A Marine Well	TECHNICIAN /	WELL TECH	UMBER	S REMARKS					
SIGNATURE OF TE	CHINCIAN/CONTRACTOR	SUBMISSION DATE	90	OFFICE					
MINISTRY C	OF THE ENVIRONM	DAY MO	YR	احا	<del> </del>	<del></del>	FORM	NO. 0506 (11)	/86) FORM 9



	1. PRINT ONLY IN S	SPACES PROVIDED ECT BOX WHERE APPLICABLE	11	15	246	93	15006	CON.	
COUNTY OR DISTRICT	L/CHOZETINI	TOWNSHIP, BOROUGH, CI	TATA			CON	Z		LOT 25-27
			FILE	ريم.	nod	101	101+	DATE COMPLETED	90
		ding	1 1 1 1	RC. ELE	EVATION	PC AF	BASIN CODE	II III	1V
	10 12 LO	OG OF OVERBURDE	·	OCK M		LS (SEE IN	STRUCTIONS)		47
GENERAL COLOUR	MOST	OTHER MA	<del></del>	T			L DESCRIPTION	<del> </del>	EPTH FEET
GREY	Chay	BOUZ	DERS		)	MAS	F	FROM	9
WHOLE	DUARTETE				12/2	(JE 4	Rusta	loop 9	50
					V- V-				
		, ,							
									-
	,						240.0		
									_
			VI		_ <del></del> .				
					<del></del>				
31				تتنا ا		اللا			
32 10 10 WAT	14 15					54	OF OPENING 31-33	65	75 40
WATER FOUND AT - FEET	TER RECORD	CASING &	OPEN HOLE	RECOR		N ISLOT N	OF OPENING 31-33	DIAMETER 34-3	
10-13	SALTY 4 MINERALS	INCHES	THICKNESS INCHES F	ROM	13-16	S CA	AL AND THE	DEPTH TO TO OF SCREEN	
15-18 1 🗆	FRESH 3 SULPHUR 19	62   2   GALVANIZED 3   CONCRETE 4   OPEN HOLE	188	9 8	221	61	PLUGGING &	SEALING RE	CORD
20-23 1	FRESH 3 SULPHUR 24	17-18 1 □STEEL 2 □ GALVANIZED	19		20-23	DEPTH SE	TAT - FEET	PIAL AND TYPE (C	EMENT GROUT D PACKER, ETC )
25-28 1 🗆	J FRESH 3 □SULPHUR 29	3 □ CONCRETE 4 □ OPEN HOLE 5 □ PLASTIC				O 10-13	20"		
30.33	SALTY 6 GAS  FRESH 3 SULPHUR 34 80	1 DSTEEL 2 DGALVANIZED 3 DCONCRETE	6		27-30	18-21	30-33 40		
	SALTY 6 GAS	4 DOPEN HOLE 5 DPLASTIC					30-33		
71 PUMPING TEST MET	·   />	11-14 DURANO OF P				LO	CATION OF	WELL	
STATIC LEVEL	PUMPING	Z []	PUMPING RECOVERY		IN DIAG LOT LIN	RAM BELOW	SHOW DISTANCES OF ATE NORTH BY ARROW	r	DAND
12 2 1	48 15 MINUTES 46-28	30 MINUTES 45 MINUTES 729-31 45 MINUTES	-34 7 35-37		1,		- <del>γ π</del>	(	
IF FLOWING. GIVE RATE  RECOMMENDED PUM	FEET FEET 38-41 PUMP INTAKE SE	T AT WATER AT END	/		N	<b>\</b>		30	
RECOMMENDED PUM	PUMP	FEET 1 DECEAR  43.45 RECOMMENDED PUMPING	2 CLOUDY						
SHALLOW	DEEP SETTING	7 & FEET RATE	<b>В</b> БРМ					į	
FINAL	MATER SUPPLY	S ABANDONED, INSUE				200	1 Ho	OSE.	
STATUS OF WELL	2 OBSERVATION WELL 3 TEST HOLE 4 RECHARGE WELL	6 ABANDONED POOR 7 UNFINISHED DEWATERING	QUALITY			12			
		5 COMMERCIAL 6 MUNICIPAL							
WATER USE	3   IRRIGATION	7 D PUBLIC SUPPLY  COOLING OR AIR CONDI	ITIONING						1
	OTHER	9 □ NOT	USED		1ARe	- K	prook R	٤ .	
METHOD OF	CABLE TOOL ROTARY (CONVENTIO ROTARY (REVERSE)	6 ☐ BORING PNAL) 7 ☐ DIAMOND B ☐ JETTING	,						
CONSTRUCTIO		9 D DRIVING	OTHER	DRILLER	RS REMARKS			8	4361
NAME OF WELL C	ONTRACTOR	LICEN	CONTRACTOR'S	DATA	A	58 CONT	222 DATE R		63-64 80
NAME OF NELL	UT URIL	LING	5226		E OF INSPECTI	) <b>(</b>	ZZZ A	UG 1 5 199	<del>5</del> Ü
H NAME OF MELL	TECHNICIAN D		TECHNICIAN'S	USE NEW	ARKS	-		<del></del>	
SIGNATURE OF T	TECHNICIAN CONTRACTOR	SON: T	O/20	OFFICE					
	Vie	DAY MO	YR	0			7		
MINISTRY (	OF THE ENVIRONM	ENT COPY						FORM NO. 0506	(11/86) FORM 9

	N SPACES PROVIDED	1525132	211   03
COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON BLOOM THACT, SURVEY ETC	LOT
	ORO CA	AM. OAHARODAY	
	IING RC.	ELLATION RC BASIN COPE II	"" "
N 10 12	LOG OF OVERBURDEN AND BEDRO	CK MATERIALS (SEE INSTRUCTIONS)	47
GENERAL COLOUR COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM TO
Beown Fill		PACKED	0 3'
BROWN SAND	STONES.	PACKED	3 5
SREY SANDSTON	REY SANDSTONE	- HARD	78' 100'
WHITE DANDS TOO	SKEY SANDSTON		/8 /00
·			
	32.476		
31			
41 WATER RECORD	51 CASING & OPEN HOLE F	RECORD SIZE S OF OPENING 31-33 DIAL	75 80 METER 34-38 LENGTH 39-40
WATER FOUND KIND OF WATER  AT - FEET FRESH 3 DSULPHUR	INSIDE MATERIAL THICKNESS INCHES FRO	MATERIAL AND TYPE	INCHES FEET DEPTH TO TOP 41-44 30 OF SCREEN
2 SALTY 4 MINERALS 6 GAS	CALL 3 CONCRETE	20	FEET
75 FRESH 3 ISULPHUN 4 IMINERALS 6 IGAS	4 DOPEN HOLE 5 DPLASTIC  19 1 DSTEEL	61 PLUGGING & SEA	CEMENT CROUT
25-24 1 FRESH 3 SULPHUR 4 MINERALS  25-24 1 FRESH 3 SULPHUR 29	2 GALVANIZED 3 DONCRETE 4 BOPEN HOLE 5 DIASTIC	00   FROM 10   Centary   C	-0 -1
2 SALTY 6 GAS  30-33	24-25 1 STEEL 26 2 GALVANIZED 3 CONCRETE	27-30 18-21 22-25 26-29 30-33 80	
2 SALTY 6 GAS	4 OPEN HOLE 5 PLASTIC		
71 PUMPING TEST METHOD 10 PUMPING R	11-14 DURATION OF PUMPING  15-16 17-18  GPM	LOCATION OF WE	
LEVEL } BILMOING	LEVELS DURING  2	IN DIAGRAM BELOW SHOW DISTANCES OF WEL LOT LINE INDICATE NORTH BY ARROW.	L FROM ROAD AND
F 20 40 40	1-28 40 29-31 40 32-34 40 FEET		-
IF FLOWING. GIVE RATE  GPW  RECOMMENDED PUMP TYPE  RECOMMENDED PUMP TYPE  RECOMMENDED PUMP TYPE			W
RECOMMENDED PUMP TYPE RECOMMENTE PUMP SETTING			16
50-53			
FINAL STATUS    Water supply   Description water			
OF WELL 4   RECHARGE WELL		ال موم	to use
WATER  2   STOCK 3   IRRIGATION 4   INDUSTRIAL	□ MUNICIPAL     □ PUBLIC SUPPLY     □ COOLING OR AIR CONDITIONING	(24 kbody /	
OSE OTHER	9 NOT USED	Jà Li	
METHOD  OF  OF  CABLE TOOL  ROTARY (CONVE		1 Xewell	0.7704
CONSTRUCTION 4 D TOTARY (AIR)	9 DRIVING	DRILLERS REMARKS	84381
NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S LICENCE NUMBER	Sa CONTRACTOR 59.62 DATE RECEIVED SOURCE NO.	
NAME OF MELICAN CONTRACTOR	200 (2000 ()	DATE OF INSPECTION INSPECTOR	IV 1 4 1990
E WILLIAM	WELL TECHNICIAN'S	M REMARKS	
SIGNATURE OF TECHNICIAN CONTRACTOR	SUBMISSION DATE	OFFICE OFFICE	
MINISTRY OF THE ENVIRO	NMENT COPY		FORM NO. 0506 (11/86) FORM 9



Ontario  1. PRINT ONLY II	N SPACES PROVIDED RECT BOX WHERE APPLICABLE	1525137	731
COUNTY OR DISTRICT	TOWNSHIP, BOROUGH CITY, TOWN, VILLAG	10 14 15 22 2	
	POR	TANATA DATE COMPLETED 48-53	≪ا' س
	1.0.00x	RC. ELEVATION RC BASIN CODE II III IV	
10 12 L	OG OF OVERBURDEN AND BED	PROCK MATERIALS (SEE INSTRUCTIONS)	4
GENERAL COLOUR MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION DEPTH - FEET FROM TO	$\exists$
Brown Fill		PackED 0 6	
GREY LIMESTONE		MEDHARD 6' 2	3
ORFY SANDSTONE	QUARTZITE	HARD 23' 65	$\dashv$
			$\dashv$
			_
			_
			+
31   , , ,     ,   ,   ,   ,			]
32	<del></del>		
41 WATER RECORD	51 CASING & OPEN HOLE	ERECORD  DEPTH - FEET  SIZE: SI OF OPENING SLOT NO 1  SIZE: SI OF OPENING SIZE: SI OF	40
WATER FOUND AT - FEET KIND OF WATER		DEPTH - FEET W INCHES FI	30
SALTY   4   MINERALS   6   GAS   15-18   1   FRESH   3   SULPHUR   19	1 STEEL 12 GALVANIZED 3 GONCRETE 188	0 22	_
2 SALTY 6 GAS  20-23 1 FRESH 3 SULPHUR 24	4 OPEN HOLE 17-18 DPLASTIC 17-18 1 OSTEEL	PLUGGING & SEALING RECORD  DEPTH SET AT - FEET MATERIAL AND TYPE CEMENT GROUT	-
2 SALTY 4 MINERALS 6 GAS 25-28 1 FRESH 3 SULPHUR 29	5 LI PLASTIC	22 65 0 10-13 2017 Cement Brown	
2   SALTY 6   GAS  30-33   FRESH 3   SULPHUR 34 10 4   MINERALS	24-25   1 □ STEEL   26   2 □ GALVANIZED   3 □ CONCRETE	27-30 18-21 22-25 /	
PUMPING TEST METHOD 10 PUMPING DATE	4 DOPEN HOLE 5 PLASTIC  1)-14 DURATION OF PUMPING		_]
1 PUMP 2 D BAILER 2	O GPM 2 15-16 17-18 MINS		-
LEVEL END OF PUMPING 19-21 22-24 15 MINUTES	VELS DURING  2 RECOVERY  30 MINUTES 45 MINUTES 60 MINUTES	IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE INDICATE NORTH BY ARROW.	
FEET HO FEET FEET FEET FEET FEET FEET FEET FEE	40 FEET 40 FEET 40 FEET	40058	
GIVE RATE	FEET 1 CECLEAR 2 CLOUDY	, 17	
SO-53	43-45 RECOMMENDED 46-49 PUMPING RATE GPM		
51		WE L	
STATUS	7 UNFINISHED		
SS-56   Gomestic	D DEWATERING  5 COMMERCIAL	220	
WATER  3   IRRIGATION  4   INDUSTRIAL	MUNICIPAL     PUBLIC SUPPLY     COOLING OR AIR CONDITIONING		
OTHER	9   NOT USED	EMERALD MARCH RG.	
METHOD  OF  OF  OF  OF  OF  OF  OF  OF  OF	■ □ JETTING		
CONSTRUCTION CONTROL (AIR)	DIGGING OTHER	DRILLERS REMARKS 84391	
MALE V DRILLIN	WELL CONTRACTOR'S LICENCE NUMBER  5222	DATA SOURCE 56 CONTINUED SA CON	<u>-</u>
DO SIGNATURE OF TECHNICIAN/CONTRICTOR	ARD.O.L.	DATE OF INSPECTION INSPECTOR	1
DIAL DISCHNICIAN	WELL TECHNICIAN'S LICENCE NUMBER TOIMO		1
SIGNATURE OF TECHNICIAN/CONTRICTOR	SUBMISSION DATE  DAYMOYR	OFFICE	
MINISTRY OF THE ENVIRONM		FORM NO. 0506 (11/86) FORM 1	_ <b>_</b>



Ontario	1. PRINT ONLY IA 2. CHECK 🗵 COR	N SPACES PROVIDED RRECT BOX WHERE APPLICABLE	11	15252	287	<u> </u>	CON	
COUNTY OR DISTRICT	leten	danata	ITY, TOWN VILLAG	Parch )	CON I	BLOCK TRACT SURVEY	ETC	LOT 25-27
		S RING	#1 /de	mata K	2/ /x	()	DAY 12 MO	//° 33 YR 90
	10 12	17 18	24	RC. ELEVATION	30	BASIN CODE		, , , , , , , , , , , , , , , , , , ,
GENERAL COLOUR	MOST COMMON MATERIAL	OG OF OVERBURDE		ROCK MATERI		DESCRIPTION	DE	PTH · FEET
					- Continu	DESCRIPTION	FROM	то
grey	sand	gravel					0	4
aren	randstone						4	/2
	70, 000 0,7						T	63
	· .							
							•	
31							11,,,11,,1	
32 10 14 15 WATER	RECORD	51 CASING &		J L	54	F OPENING 31.3	65 3 DIAMETER 34 19	
WATER FOUND	ID OF WATER	INSIDE DIAM MATERIAL	OPEN HOLE  WALL THICKNESS INCHES	DEPTH - FEET	Z ISLOT NO		INCHES	FEET
5 6 2 G SALT	SH 3 SULPHUR 14 FY 4 MINERALS 6 GAS	10-11 1 STEEL 12		13-16	SC		DEPTH TO TOP OF SCREEN	41-44 30 FEET
20-23 1 FRES	- G GAS	4 OPEN HOLE 5 PLASTIC  17-16 1 OSTEFI	188 0	92	61 DEPTH SET	AT - FEET	SEALING REC	ORD
2 SALT	6 GAS	2 □ GALVANIZED 3 □ CONCRETE 4 □ COPEN HOLE 5 □ PLASTIC	0	22 63	FROM 10-13	10 MATE		PACKER, ETC 1
30-33 1 FRES	H 3 SULPHUR 34 BO	24-25 1 STEEL 26 2 GALVANIZED 3 CONCRETE 4 OPEN HOLE		27-30	18-21	22-25	mery que	
71 PUMPING TEST METHOD	Y 6 □GAS	5 DPLASTIC	JMPING					
STATIC WATE	R LEVEL 25	5 GPM		IN DIA		SHOW DISTANCES OF		AND
LEVEL PUI	MPING 22-24 15 MINUTES 26-28	30 MINUTES 45 MINUTES	RECOVERY  60 MINUTES 34 // 35-37	LOT L	INE INDICA	TE NORTH BY ARROW	i.	
	FEET FEET  38-41 PUMP INTAKE SE	40 29-31 40 32-3 FEET WATER AT END O	ET 70 FEET					1
IF FLOWING. GIVE RATE  RECOMMENDED PUMP TYPE	PUMP	FEET 1 CLEAR  43-45 RECOMMENDED PUMPING	2 CLOUDY					N.
SHALLOW (9)	DEEP SETTING 7	O FEET RATE	O GPM				\	
STATUS 2	WATER SUPPLY OBSERVATION WELL TEST HOLE	S ABANDONED, INSUFF	FICIENT SUPPLY				ON Hung	
OF WELL 4	RECHARGE WELL	7 UNFINISHED  DEWATERING  COMMERCIAL				Tek	tan ( )	
WATER 2	☐ STOCK ☐ IRRIGATION	6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDIT	lawy.					
57	OTHER	9 □ NOT (			010	Corp Rd	- -	
OF 3	CABLE TOOL ROTARY (CONVENTIO ROTARY (REVERSE)	■ □ JETTING						<b>50.6</b>
	ROTARY (AIR)	DI DRIVING	OTHER	DRILLERS REMARKS	S		68	534
CE ADDRESS	uns Well &		CONTRACTOR'S	DATA SOURCE O DATE OF INSPECT	S8 CONTRA	A .	IAN 1 6 199	63-68 80
By 32	6 Richm	or Ord.	TECHNICITY	SE	TION	INSPECTOR		
SIGNATURE OF TECHNIC	7 ~	SUBMISSION DATE	TECHNICIAN'S CE NUMBER	PEMARKS				
	~ ~	DAY 13 MO.	11 90	90 10				



		I SPACES PROVIDED  IRECT BOX WHERE APPLICABLE	1525500	1 5006	(CON, , , )   03
COUNTY OR DISTRICT	Concrete	TOWNSHIP, BOROUGH, CITY TOWN, VILLAGE		CON BLOCK THACT SURVEY E	LOT 25.27
		MERAL	Marsola		DATE COMPLETED 48-53 90
		HING	RC ELEVATION	RC BASIN CODE	DAY YR YR
i z	N 10 12	OG OF OVERBURDEN AND BEDR		30 31	
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS		ENERAL DESCRIPTION	DEPTH - FEET FROM TO
BROWN	Fill			PACKED	PROM TO
Brown	Chay			PACKED	5'7'
BROWN	Sand	GRAVEN		loose	7' 10'
GREY	LIMESTONE	BREY SANDSTONE		MED, HARD	10' 40'
GREY	SANDSTONE	QUARRITE		HARD	40' 60'
			· · · · · · · · · · · · · · · · · · ·		
31				بالبللبيب	ا لبلللليال
1 2 10	TER RECORD	51 CASING & OPEN HOLE	PECORD   -	54 SIZE(S) OF OPENING 31-3.	65 75 80 3 DIAMETER 34-38 LENGTH 39-40
WATER FOUND AT - FEET	KIND OF WATER	INSIDE WALL THICKNESS THICKNESS	DEPTH - FEET	(SLOT NO )	INCHES
1 / -	FRESH 3 SULPHUR 14 SALTY 4 MINERALS 6 GAS	1 1911 156551 12	N N N N N N N N N N N N N N N N N N N	MATERIAL AND TYPE	DEPTH TO TOP 41-44 30 OF SCREEN
/5-18 1 @	/	6/4 3 GALVANIZED 1/86 C	61	PLUGGING &	SEALING RECORD
20-23 1	FRESH 3 SULPHUR 24	17,18 1 STEEL 19 2 GALVANIZED 3 COMORETE	1 1	PTH SET AT - FEET MATE	RIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
25-28 1 🗆	FRESH 3 SULPHUR 29	3   COMCRETE   24-25   D   24-25   D   26	2 60	) 10-13 ZO 14-17 Ce	MENT BROWN
30-33 1 🗆	FRESH 3 SULPHUR 34 60	1 USTEEL 2 GALVANIZED		18-21 22-25 26-29 30-33 80	
PUMPING TEST METI	SALTY 6 GAS	5 PLASTIC			
<u> </u>	2 ☐ BAILER /4	5 GPM 15-16 17-18 MINS		LOCATION OF	
STATIC LEVEL		EVELS DURING  2  RECOVERY  30 MINUTES   45 MINUTES   60 MINUTES	LOT LINE	BELOW SHOW DISTANCES OF INDICATE NORTH BY ARROW	v.
19-21 /8 FEET	35 FEET 35 FEE	3520-31 35-72-34 35-757	EMER	ALL MARE	h Rd.
IF FLOWING GIVE RATE  RECOMMENDED PUM	GPM PUMP INTAKE S	SET AT WATER AT END OF TEST 42			<del>                                    </del>
RECOMMENDED PUM	P TYPE RECOMMENDED PUMP	43-45 RECOMMENDED 46-49 PUMPING	"	1/2	
50-53	SETTING	35 FEET RATE & GPM	;T	XKME	
FINAL	WATER SUPPLY 2 OBSERVATION WELL	5 ABANDONED, INSUFFICIENT SUPPLY L G ABANDONED POOR QUALITY		1	
STATUS OF WELL	3   TEST HOLE	7 UNFINISHED DEWATERING			<del>                                      </del>
WATER	2 DOMESTIC	5 COMMERCIAL  5 MUNICIPAL		/	
USE	3   IRRIGATION 4   INDUSTRIAL   OTHER	7 PUBLIC SUPPLY  COOLING OR AIR CONDITIONING  NOT USED			
	57   CABLE TOOL				
METHOD OF	2 ROTARY (CONVENTI 3 ROTARY (REVERSE)	IONAL) 7 DIAMOND  B D JETTING			
CONSTRUCTIO	N 4   ROTARY (AIR) 5 D AIR PERCUSSION	9   DRIVING   DIGGING   OTHER	DRILLERS REMARKS		095420
NAME OF WELL CO	- 1	WELL CONTRACTOR'S LICENCE NUMBER  57. 7	DATA 5	CONTRACTOR 59-62 DATE	PECELVED 2 6 1991 43-41 10
SIGNATURE OF	Zald1217	1000	SOURCE OATE OF INSPECTION	INSPECTOR	10
E TOP TOP THE	TECHNICIAN D	WELL TECHNICIAN'S LICENCE NUMBER	REMARKS		
SIGNATURE OF	ECHNICIAN CONTRACTOR	J-0/90 SUBMISSION DATE	OFFICE		
<u> </u>	OF THE ENVIRON	DAY MO YR	0		FORM NO. 0506 (11/86) FORM 9



Ontario		SPACES PROVIDED RECT BOX WHERE APPLICABLE	11	152550	1 NUNICIP 0,6	(°, 0, N, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
COUNTY OR DISTRICT		TOWNSHIP, BOROUGH, CITY TO	_	·,	CON_BLOCK, TRACT, SURVEY.	15 22 23 24 ETC LOT 25-27
1,44		ANAT	74			DATE COMPLETED 48-53
		T2 S	7 / TTS	UILLE I	KCA 360	DAY
1 2	M 10 12	17 18	24 25	26	30 31	
	Hogy	OG OF OVERBURDEN AN	ND BEDRO	CK MATERIALS	(SEE INSTRUCTIONS)	
GENERAL COLOUR	COMMON MATERIAL	OTHER MATERIA	4LS		GENERAL DESCRIPTION	DEPTH - FEET FROM TO
BROWN	+111				MACKED	0 5'
BROWN	CLAY	SAND & GRA BROWNSANDSTO	UEL		Packers.	5 9
GREY	DAND STONE	BROWN SANDSTO	INE GIL	URTZIFE	HARD.	9'55
¥.			-,			
			<del></del>			
31   11			.   .   .   !			
1 2 10	TER RECORD	51 CASING & OPE	N HOLF RE	CORD Z	54 SIZE(S) OF OPENING 31-3	55 75 AO 33 DIAMETER 34-38 LENGTH 39-40
WATER FOUND AT - FEET	KIND OF WATER	INSIDE WATERIAL THE		PTH - FEET	MATERIAL AND TYPE	DEPTH TO TOP 41-44 10
	FRESH 3 SULPHUR 14 SALTY 4 MINERALS 6 GAS	10-11	88 0	27 13-16		OF SCREEN. FEET
1 1 0 1 1	FRESH 3 SULPHUR 19 3 SALTY 4 MINERALS 6 GAS	3 CONCRETE 4 OPEN HOLE 5 PLASTIC		7	PLUGGING 8	& SEALING RECORD
	FRESH 3 SULPHUR 24  SALTY 6 GGAS	1 STEEL 2 GALVANIZED 3 GONCRETE	22		FROM TO MATE	ERIAL AND TYPE ICEMENT GROUT LEAD PACKER, ETC.)
	FRESH 3 SULPHUR 29  SALTY 4 MINERALS  GAS	4 DOPEN HOLE 5 DASTIC  24-25 1 DSTEEL 26	12	27.30	010-13 20 14-17 Ce	MENTGROUT
30-33 1	FRESH 3 SULPHUR 34 BO 4 MINERALS	2 □ GALVANIZED 3 □ CONCRETE 4 □ OPEN HOLE			26-29 30-33 80	
PUMPING-LEST ME	HOD 10 PUMPING PATE	5 □ PLASTIC				
	2 D BAILER C	GPM	17-18 MINS	IN DIACRAN	LOCATION OF	
STATIC LEVEL		1   PUMP 2   RECO 1 30 MINUTES   45 MINUTES   6		LOT LINE	I BELOW SHOW DISTANCES O INDICATE NORTH BY ARROV	
US FEET		29-31 32-34	35-37 FEET			
IF FLOWING. GIVE RATE  RECOMMENDED PU	38-4! PUMP INTAKE S	. 🗆 (1500 - 1	T 42	J. 1	٩X	xewell
RECOMMENDED PU	MP TYPE RECOMMENDED PUMP	43-45 RECOMMENDED PUMPING	46-49			(x Mei.
50-53	IS BEEF SETTING	FEET RATE	GPM			
FINAL	1 WATER SUPPLY 2 OBSERVATION WELL	S ABANDONED INSUFFICIEN				
STATUS OF WELL	3 TEST HOLE 4 RECHARGE WELL	UNFINISHED DEWATERING				
	1 DOMESTIC 2 STOCK	5 COMMERCIAL 6 MUNICIPAL				
WATER USE	3   IRRIGATION 4   INDUSTRIAL	PUBLIC SUPPLY COOLING OR AIR CONDITIONIN		•		
	57   CABLE TOOL	EAT PUM3. NOT USED				
METHOD OF	2   ROTARY (CONVENT) 3   ROTARY (REVERSE)	ONAL) 7 🔲 DIAMOND		Ž		
CONSTRUCTION	N ROTARY (AIR)  S REFERENCESION	9   DRIVING   O	THER	DRILLERS REMARKS		095428
NAME OF WELL	$\sim$ .	WELL CONT	TRACTOR'S	DATA	58 CONTRACTOR 59-62 DATE	RECEIVED 63-65 80
CONTRACTOR	R WALKAIN	16 INC 522		SOURCE OF INSPECTION	5222	JUL 26 1991
HE POST	1) OX 431 C	ARD, ONT	HNICIAN'S	REMARKS		
S S	TECANS AN / CONTRACTOR		90°	2		
PAR		DAY MO	YR	5		
MINISTR	Y OF THE ENVIRON	IMENT COPY				FORM NO. 0506 (11/86) FORM 9

	N SPACES PROVIDED RECT BOX WHERE APPLICABLE	1525502	1,5006 C	9N 193
COUNTY OR DISTRICT	TOWNSHIP, BOROUGH CITY TOWN VILLAGE	CON	10 14 15	LOT #3-27
	O MARCI	4 BROOK ()		MPLETED 48-53 90 9
1 2 10 12	ING	RC. ELEVATION RC	BASIN CODE II	111 111 11
	OG OF OVERBURDEN AND BEDI	ROCK MATERIALS (SEE )	NSTRUCTIONS)	*1
GENERAL COLOUR COMMON MATERIAL	OTHER MATERIALS	GENER.	AL DESCRIPTION	DEPTH - FEET FROM TO
BROWN CLAY	11/	PAC	KED	0 7'
BROWN SILTY CLAY BROWN SANDSTONE	GRAVEL GREY SANDSTOINE	TACK		19' 15'
SHOUR SHOUSIUNE	GREY SANDSTOINE	HAR	<i>D</i>	/5 33
31	11.1 1 1 1 1 1 1			
32		╛ <del>┖┰╻╏╻╻</del> ┋╏╻╻╻╻╻	<u> </u>	
WATER FOUND WATER FOUND	51 CASING & OPEN HOLE	RECORD SIZE S S S SIZE S S S S S S S S S S S S S S S S S S S	4 65 I OF OPENING 31-33 DIAM	ETER 34-38 LENGTH 39-40
AT - FEET STREET 3 SULPHUR 14	DIAM MATERIAL THICKNESS INCHES	FRUM TO MATER	IAL AND TYPE	DEPTH TO TOP 0F SCREEN 41-44 30
6 GAS	64 3 GALVANIZED 3.780	2213-16	PLUGGING & SEA	LINC RECORD
20-23 1   FRESH 3   SULPHUR 24	5 □ PLASTIC  17-18   □STEEL   19   2 □ GALVANIZED	20-23 DEPTH SI	ET AT FEET MATERIAL AN	
25-28   FRESH 3   SULPHUR 25	5 DPLASTIC	22 33	20 Ceme	NT BROWT
30-33   FRESH 3   SULPHUR 34 BO	1 USTEEL 2 GALVANIZED 3 CONCRETE 4 OPEN HOLE	27-30		
PUMPING TEST METHOD 10 PUMPING RATE	5 DPLASTIC	] [	OCATION OF WEL	
71 A DPPUMP 2 BAILER  STATIC WATER LEVEL 25 END OF WATER LI	2 15-16 17-18 EVELS DURING I D PUMPING	IN DIAGRAM BELO	N SHOW DISTANCES OF WELL	
LEVEL PUMPING WATER LI  SO 19-21 22-24 15 MINUTES 26-24 26-24	Z RECOVERY .  30 MINUTES 45 MINUTES 60 MINUTES	LOT LINE INDI	CATE NORTH BY ARROW.	W III
	T FEET FEET FEET			
PEET FEET FEET FEET  IF FLOWING.  GIVE RATE  GPM  RECOMMENDED PUMP TYPE  PUMP  PUMP			110	
SO-53	PUMPING FEET RATE GPM	,	5T X+ well	
FINAL 1 UNATER SUPPLY 2 OBSERVATION WELD	S ABANDONED INSUFFICIENT SUPPLY			
STATUS  OF WELL  OF WELL  OF WELL  OF WELL	L 6 ABANDONED POOR QUALITY 7 D UNFINISHED D DEWATERING			.
SS-S6 I DOMESTIC 2 STOCK	5 COMMERCIAL 6 MUNICIPAL			
USE   IRRIGATION   OTHER	PUBLIC SUPPLY COOLING OR AIR CONDITIONING  FAT PUMP! NOT USED			
METHOD CABLE TOOL	6 BORING			
OF 3   ROTARY (REVERSE) CONSTRUCTION 4   ROTARY (AIR)				20545
s P AIR PERCUSSION	☐ DIGGING ☐ OTHER	DRILLERS REMARKS		095427
	FINC 5222	DATA SOURCE SOURCE OF INSPECTION	222 DATE RECEIVED	2 6 1991
ADDESS  ADDESS	ARP OUT	U O REMARKS	INSPECTOR	
SIGNATURE OF TECHNISTAN/CONTRACTOR	LICENCE NUMBER  7-0190  SUBMISSION DATE	AEMAPKS		
SHOW	MOYR	0	<del></del>	
MINISTRY OF THE ENVIRON	NMENT COPY		FOI	RM NO. 0506 (11/86) FORM 9



COUNTY OR DISTRICT		SPACES PROVIDED RECT BOX WHERE APPLICABLE	15261	19 14	[CON.   O3
Others of	Gam <sup>3</sup> ahan	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE		CON . BLOCK, TRACT, SURVEY E	12
		Old Carp Roa	d Kanata,		DATE COMPLETED 48-53 DAY 14 MO 4 YR 92
-,-		ING	RC. ELEVATION	RC BASIN CODE	11 11 17
1 2	H 10 12	OG OF OVERBURDEN AND BEDF	ROCK MATERIA	ALS (SEE INSTRUCTIONS)	41
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS		GENERAL DESCRIPTION	DEPTH - FEET FROM TO
Brown	Soil	Stones			0 4
Gray & V	Thite Sandstone			Very HArd	4 73
<u> </u>			-		
		- 40-			
31 [1]	<u>.                                    </u>	<u>.                                    </u>			11,,,11,,,1,,
32	14 15				
41 WATER FOUND	TER RECORD	51 CASING & OPEN HOLE	RECORD	SIZE(5) OF OPENING 31-31	
10-13 I	KIND OF WATER  FRESH 3 SULPHUR 14	DIAM MATERIAL THICKNESS INCHES	FROM TO	MATERIAL AND TYPE	DEPTH TO TOP 41-44 DO OF SCREEN
33 -	6 □ GAS	D 1/4 INSTEEL 2 GALVANIZED 3 CONCRETE 4 OPEN HOLE	0 2 <b>T</b>		SEALING RECORD
	SALTY 4   MINERALS 6   GAS	17-18 1	20-23	DEPTH SET AT - FEET	RIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
	SALTY 4   MINERALS 6   GAS	6 1/163 CONCRETE SPIASTIC	21 50	10-13 14-17	ement (3)
	SALTY 4 MINERALS 6 GAS FRESH 3 SULPHUR 24 10	24-25 1	27-30	10-21 22-25	
PUMPING TEST MET	SALTY 6 GAS	5 U PLASTIC	50 73	26-29 30-33 80	
71 1 X PUMP	2 □ BAILER	30 GPM 1 18-16 17-18 MINS	]	LOCATION OF	WELL
STATIC LEVEL	WATER LEVEL 25 END OF WATER LI PUMPING WATER LI 22-24 IS MINUTES	EVELS DURING  1 PUMPING 2 RECOVERY  1 30 MINUTES   45 MINUTES   60 MINUTES	IN DI LOT L	AGRAM BELOW SHOW DISTANCES OF TINE INDICATE NORTH BY ARROW	
12	26-24	29-31 32-34 35-37		old CarpRd-	
IF FLOWING. GIVE RATE  RECOMMENDED PUM	SO-AT PUMP INTAKE S		11/	1	
RECOMMENDED PUM	AP TYPE RECOMMENDED PUMP			1	
\$0-\$3		SU PEET INNE 5 CPM	1 2	1	Cres
FINAL STATUS	WATER SUPPLY DOSERVATION WELI	B ABANDONED INSUFFICIENT SUPPLY B ABANDONED POOR QUALITY	]    =	t	
OF WELL	3 TEST HOLE 4 RECHARGE WELL	DEWATERING	3	1	arch brook
WATER "	DOMESTIC  STOCK  INTEGRATION	S COMMERCIAL  MUNICIPAL  PUBLIC SUPPLY	<b>  \</b> Z	1	1   5
USE	4   INDUSTRIAL   OTHER	COOLING OR AIR CONDITIONING  NOT USED	<b> </b> 6	ı	nari nari
METHOD	S7   CABLE TOOL	6   BORING	\	House # 1171	15-
OF CONSTRUCTIO	- 1				44000=
NAME OF WELL C	AIR PERCUSSION	☐ DIGGING ☐ OTHER	DRILLERS REMARA		113365
	Water Supply L	well contractor's licence number	DATE OF INSPE	1558 DATE	JUN 0 2 1992
5		ntario K2Sl A6	SE		
S. Mille	er	LICENCE NUMBER	AEMARKS		
Makan	ECHNICIAN/CONTRACTOR	SUBMISSION DATE  DAY 15 MO. 41 YR92	OFFICE		
MINISTR	Y OF THE ENVIRO		· <u></u>		FORM NO. 0506 (11/86) FORM 9

Environment Ontario	WA	IER W	ELL RE	CORD
1. PRINT ONLY IN	SPACES PROVIDED  RECT BOX WHERE APPLICABLE	1528288	15006 CO	.v 1 103
COUNTY OR DISTRICT	TOWNSHIP, BORDUGH, CITY, TOWN, VILLAGE	E ( CON	10 14 15 BLOCK, TRACT SURVEY ETC	ZZ 23 74 LOT 25-27
	anata	(March)	JOATE COMP	1Z
	ARP 1	Kanata, Q	DAY 12	- mo 10 va94
1 2 10 12		RC. ELEVATION RC.	BASIN CODE	
	OG OF OVERBURDEN AND BEDF		NSTRUCTIONS)	47
GENERAL COLOUR MOST COMMON MATERIAL	OTHER MATERIALS	GENER	AL DESCRIPTION	DEPTH FEET FROM TO
Clau				0 17
grey limestone				17 511
ou Sandston	0			54 00
		·		
			·	
12				
31   , , ,   , , , , , , , , , , , , , ,				
32	<del></del>	]	<del> </del>	
41 WATER RECORD	51 CASING & OPEN HOLE	RECORD Z SIZE (S) (S) (S) (S) (S)	OF OPENING 31-33. DIAMETE	7.5 80 R 34-38 LENGTH 39-40
WATER FOUND KIND OF WATER	INSIDE WALL THICKNESS THICKNESS	DEPTH - FEET		INCHES FEET
10-13   FRESH 3   SULPHUR 14   MINERALS   6   GAS	10-11 1 PSTEEL 12	13-16 O MATER		DEPTH TO TOP 41-44 30 SERVERN FEET
15-18 1 RESH CALSHUR 19	2 UGALVANIZED 3 ICONCRETE 4 OPEN HOLE 5 PLASTIC	0 27 61	PLUGGING & SEALI	
20-23 1 FRESH 3 SULPHUR 24	1 DSTEEL 19 2 DGALVANIZED		TO MATERIAL AND 1	YPE (CEMENT GROUT LEAD PACKER, ETC.)
25-28 1 FRESH 3 SULPHUR 29	3 GONCRETE 4 DOPEN HOLE 5 PLASTIC	0 20 210-1	22" come	of coost
2 SALTY 6 GAS  30-33 1 FRESH 3 SULPHUR 34 30	1 D STEEL 2 D GALVANIZED 3 D CONCRETE		22-25	
2 SALTY 6 GAS	4 Propen Hole 5 □ PLASTIC	20 BO ""	30-33 80	
71 PUMPING TEST METHOD 10 PUMPING RATE	7   15-16 17-18	L	CATION OF WELL	
STATIC WATER LEVEL 25 LEVEL END OF WATER LE	FVELS DURING  TO PUMPING  RECOVERY		W SHOW DISTANCES OF WELL FR	ROM ROAD AND
(C) 19-21 22-24 15 MINUTES	30 MINUTES   45 MINUTES   60 MINUTES			
FEET 50 FEET 5				1
<b>Q</b> GPM	FEET 1 CLEAR 2 CLOUDY			#
SHALLOW M DEEP SETTING	43-45 RECOMMENDED 46-49 PUMPING 25 GPM		'\	` <b>.</b>
0.53			1 1	
FINAL  STATUS  WATER SUPPLY  OBSERVATION WELL				
OF WELL  3   TEST HOLE 4   RECHARGE WELL	7 DUNFINISHED DEWATERING		<b>\}</b> \	
VATER    Domestic   Stock   St	5 COMMERCIAL 6 MUNICIPAL		1) 1	
USE 4 INDUSTRIAL	7 PUBLIC SUPPLY  1 COOLING OR AIR CONDITIONING  2 NOT USED		2.3 Km	
57 CABLE TOOL	● □ BORING			
METHOD 2 ☐ ROTARY (CONVENT)  OF 3 ☐ ROTARY (REVERSE)		22 -	<del> </del>     •	
CONSTRUCTION 4   ROTARY (AIR) 5   AIR PERCUSSION	P ☐ DRIVING ☐ OTHER	DRILLERS REMARKS		150416
NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S	DATA 58 COM	TRACTOR 59-62 DATE RECEIVED	63-68 80
ADDRESS  REPORT TO SOLVEN  NAME OF WELL TECHNICIAN  PLOOL DE SAUL  SIGNATURE OF TECHNICIAN/CONTRACTOR	S10174 11119	SOURCE 1	119 NOV	1 4 1994
NAME OF WELL TECHNICIAN SPET	WELL TECHNICIAN'S	M REMARKS		
SIGNATURE OF TECHNICIAN/CONTRACTOR	SUBMISSION DATE			
Kernylesan		#		
MINISTRY OF THE ENVIRONM	ENT COPY		FORM	NO. 0506 (11/86) FORM 9

Print only in spaces provided.

Mark correct box with a checkmark, where applicable.

1530059

funicipality	Con.						
5006	CON	1	1	1	1	O.	3
14	15				22	23	24

County or District	t		Township	/Borough/City	/Town/Villag	е		Con block tract s	survey, etc.	Lot 25 27
Ottawa Car Owner's surname	rleton e Fire	st name	Kai Address	nata				<u></u>	)	12
	n Construction			escar L	ano C	arm Ont	aria MOI	Date comple	ted 4 day 5	month <b>98</b> /ear
21	u <sub>,</sub> z	one Easting	TOO M	Northing	30e C	RC Elev	ation RC	Basin Code	14 day 5	iv
1 2	т М 16		17	18	24	25 26		31		47
		LOG OF O	/ERBURDE	N AND BE	PROCK MA	ATERIALS	(see instruction	ons)	1	Donth 1:
General colour	Most common mate	rial	Oti	her materials			General	description	From	Depth – feet To
D										
Brown	Bandst Soi	1 -	Sto	nes	<del>-</del>					<del>) 6</del>
Gray & Wh:	ite Sandstone						Very	Hard		5 136
Goloured	Granite						Hard		130	5 175
								·		
	2.11.22.41.1									
31				Lili	عينا ل					
32					لـــــا لــ					
10 14 41 <b>WA</b>	TER RECORD	51	CASING &	OPEN HOL	E RECOR	D	Sizes of op	ening 31-33 Dian	neter <sup>34–38</sup> Le	75 80 ength <sup>39-40</sup>
Water found at - feet	Kind of water		Material	Wall thickness		- feet	(Slot No.)		inches	feet
10-13 1	☐ Fresh <sup>3</sup> ☐ Sulphur <sup>14</sup> ☐ Minerals	inches	Steel 12	inches	From	22 <sup>13</sup> -5	Material an	d type	Depth at t	op of screen 30
	」Salty 6 ☐ Gas	6 1/4 2 🕱		-188	0	22.5	(Å)			feet
2 [	☐ Fresh <sup>3</sup> ☐ Sulphur <sup>19</sup> ☐ Salty <sup>4</sup> ☐ Minerals ☐ Gas	5 🗆				!	61	PLUGGING & SEA	ALING RECO	ORD
	Fresh <sup>3</sup> Sulphur <sup>24</sup>	17-18 1				20-23	<b>y</b> - /	Annular space	☐ Abando	
	3 Salty 6 ☐ Gas	5 15 1	Concrete		22.5	75	Depth set at -	feet Material and typ	e (Cement grout	, bentonite, etc.)
25-28	Fresh <sup>3</sup> Sulphur <sup>29</sup> Salty <sup>4</sup> Minerals	16			22.5		21 (	14-17	Cement	(3)
TOS -	Gas Gas Fresh S T S Diphur 34 80	2 🗆	Galvanized		75	27-30	18-21	22-25	- Canalia	
2 [	→resh 4 ☐ Minerals ☐ Salty 6 ☐ Gas	, la_U	Open hole Plastic		75	150	26-29	30-33 80		
		13 20 ·			150	175				
71 Pumping test m	-	20 GPM	ration of pumpi Hours				LOC	ATION OF WELL		
	Water level end of pumping Water levels		mping 2	Recovery	$\ \cdot\ $		n below show d orth by arrow.	istances of well fro	m road and lo	ot line.
		30 minutes 45	minutes	60 minutes 35-37	$\ X$	1	or array carrow.			
Ŭ O T					_7	7				
If flowing give r			37 • 2 <del>de</del> et   ater at end of te	37 feet st 42	11					
37 feet  If flowing give r	GPM Recommended	feet 43-45 Re	☐ Clear	Cloudy 46-49	1		<b>,</b>	ימינהי	•	1
☐ Shallow	Deep	pu	mp rate	<b></b> .		- 1	i 1	410	- !	1
50-53	X '	140 feet		<b>5</b> GPM	1		, 1	$\hat{\Lambda}$	!	1
FINAL STATU		d ! ##-!	l. 9 D Hadista	L - J	]		19	GN1	ł	
1 Water sup 2 Observati	ion well 6 🗌 Abandone		10 ☐ Replac	ement well		- (	i	Indoor	1	- 1
3 ☐ Test hole 4 ☐ Recharge							•	6001	1	
WATER USE	55-56	. ,			<del> </del>	1	1	Lot #23	*	(
1 Domestic	c <sup>5</sup> ☐ Commercia <sup>6</sup> ☐ Municipal	al	9 🗆 Not use	ed		- 1		House # 107	53	1
3 ☐ Irrigation 4 ☐ Industrial	7 🔲 Public sup	ply air conditioning	G Other				İ	mouse 101	~ <b>~</b>	
					d_	}				)
	CONSTRUCTION 57	sion	9 🗌 Driving		<sub>.</sub> td	- 1	_ \	72 \	O -4	)
2 ☐ Rotary (c	ol 5 Air percuss conventional) 6 Boring reverse) 7 Diamond		10 🗌 Digging		114-		march	TYOOK	<del>~~~</del>	854
4 ☐ Rotary (a			Other.		ď				T02	UU 4
			)41. II O		<b> </b>		ia			
Name of Well Cont	ractor		Well Contracto	or's Licence No.	ONIC Data		58 Contracctor	59-62 Dat	e received	65-68 80 1000
Capital W	ater Supply Ltd	l•	1556	3	Date	of inspection	In:	spector J	UL Z	1998
P.O. Roy	490 Stitterill	e.Ontari	72g 3	A6	OSE Date					
Name of Well Tech	490 Stittsvill	<del>.c, on tal 1</del>	Well Technicia	n's Licence No.	Rem	narks				
S. Miller Signature of Jechni	ician/Contractor		TOO9	7	MINISTRY			C	SS. S	<b>9</b>
MI			da 15 mo		Ē					17
	WOTES 02 - 4								0506 (07/9	4) Front Form
2 - MIN	NISTER OF ENVIRO	JNMENT &	ENEKG	r COPY						

0506 (07/94) Front Form 9

	Ontario and Energy	*				WATER W	ELL RE	CORD
×.	Print only in spaces provided. Mark correct box with a checkmark, whe	re applicable	11 1 2	153	0371	Municipality	Con. 15	1 22 6 2
	County or District Ottawa-Carleta	4	Township/Borough/C	ityTown/Village	· .	Con block tract	survey, etc. Lo	25-27
	orand carrera		Address	hara	$\bigcirc$ $\downarrow$	Date comple	sted 16 1	1
		12	Northing 17	RC	Elevation RC	Basin Code	day n	nonth year
		LOG OF C	OVERBURDEN AND BI	EDROCK MATE		tions)		47
;	General colour Most common mate	riai	Other material	s	Genera	description	From	epth – feet To
	Creyout to Quart	2				•		7
<b>4</b> .	Regation Crane	te Sky	(whitequ	1 artz			70	80
	Dath brown							
	,		Tilled.	-				
•	i 🏞		i de la companya della companya dell	American Springer				
					*			
		¥						-
	31							لا لىك
	41 WATER RECORD	51 Inside	CASING & OPEN HO		Sizes of a	pening 31-33 Diam	eter <sup>34–38</sup> Lengt	75 80 th 39-40
_	Water found at - feet Kind of water	diam inches	Material Wall thickness inches	Depth - feet From To	(Slot No.)  O Material a	nd type	inches  Depth at top of	feet
	2 Saling Minerals Gas Gas Sulphur 19		Galvanized Concrete	0 2				41-44 feet
	2 Supplied S	17-18 1	Open hole Plastic  Steel Galvanized	0 20	20-23	PLUGGING & SEA	LING RECOR	
İ	25-28 1 Fresh 3 Sulphur 29	W/1 14	Concrete Open hole Plastic	0 20	Depth set at - From 10-13 7		e (Cement grout, be	ntonite, etc.)
	; 2 Salty 4 Minerals 6 Gas 30+33 1 Fresh 3 Sulphur 34 60	3 [	Galvanized Concrete	20 80	27-30 18-21	2-5 Chr	2 to C	<b>4</b>
	2 Salty 6 Gas	5 [	Open hole Plastic	20 00	26-29	30–33 80		
	71 Pumping test method 10 Pumping rate Pump 2 Bailer  Static level Water level Water levels of the static level Static lev	GPM	uration of pumping 17-18 Hours Mins	In di		ATION OF WELL distances of well from	road and lot li	
	end of pumping	during ¹ ☐ Pu 0 minutes 48 29-31	umping 2 № Recovery  5 minutes 32-34  60 minutes 35-37	Indic	cate north by arrow.	and the first of t	Troad and lot iii	ic.
	To feet To fee		Zo feet Zo feet /ater at end of test	4		74		1
	GPM Recommended pump type Recommended pump setting		Clear Cloudy Commended 46-49 Cloudy			·		$\mathcal{W}$
	☐ Shallow Deep  So-53	HO feet	28 <sub>GPM</sub>	<u> </u>		- ( <b>\</b>		
	FINAL STATUS OF WELL  1 Water supply 2 Observation well 5 Abandoned, 6 Abandoned,	jesufficient suppl	ly <sup>9</sup> ☐ Unfinished  10 ☐ Replacement well		1301	o Km s		
	3 ☐ Test hole 7 ☐ Abandoped ( 4 ☐ Recharge well 8 ☐ Dewatering	(Other)			-			
	WATER USE  1 Domestic 2 Stock  55-56  Commercial Municipal		9 ☐ Not used		Old Car	p Rd · \	1	į
	3 ☐ Irrigation	y conditioning	10			1	\\	
ľ	METHOD OF CONSTRUCTION 57		9 Driving				//	
	2f Rotary (conventional) 6 Boring 3 Rotary (reverse) 7 Diamond 4 Dotary (air) 8 Detting	1	Digging Other				1972	65
[ L	Name of Well Contractor	~~	Well Contractor's Licence No.	Data	58 Contracctor	59-62 Date	received	63-68 80
	Address / T - Lock Dilli	molt	d 1119	Source Date of inspe			EC 2 9 199	18
ŀ	Name of Well Technician	rest	Well Technician's Licence No.	Remarks				
ŀ	Signature of Technician/Contractor	viers	TOOOY Submission date	Remarks		C	SS. ES	9

2 - MINISTER OF ENVIRONMENT & ENERGY COPY

0506 (07/94) Front Form 9

WATER WELL RECORD Print only in spaces provided. 1530597 Mark correct box with a checkmark, where applicable. 11 15006 COH County or District Township/Borough/City/Town/Village Con block tract survey, etc. 25-27 Kanata Ottawa Carleton
Owner's surname 28-47 Address First name Date completed Gold Haven Homes 72059 Kanata Ontario K2K 2P4 7ay 6 month 99ear Box U<sub>j</sub> Zone Easting 18 24 LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions) Depth - feet Most common material Other materials General description From To Soil Brown 0 Dry 125 Very Very Hard Gray & White Sandstone 32 10 14 15 21 54 65 75 80 **CASING & OPEN HOLE RECORD** WATER RECORD Sizes of opening (Slot No.) Water found at - feet Wall thickness Depth - feet SCREEN Kind of water From 1 ☐ Fresh 3 ☐ Sulphur
2 ☐ Salty 6 ☐ Gas 6 1º/4 1 Steel 8 Galvanized 3 Galvanized 4 Open hole 5 Plastic Material and type Depth at top of screen 0 22:5 .188 116 NOT resh ED lphur 2 Salty 6 Gas **PLUGGING & SEALING RECORD** ☐ Abandonment 3 Sulphur
4 Minerals
6 Gas Annular space ¹ ☐ Fresh Depth set at - feet <sup>2</sup> 🗌 Salty Material and type (Cement grout, bentonite, etc.) 22.5 50 From 10-13 ☐ Sulphur ☐ Minerals ☐ Gas 100 50 Steel 2
Galvanized
Concrete
Copen hole
Plastic 24-25 2 | Salty 20,5 Grouted Cement (3) Sulphur Minerals Gas ¹ ☐ Fresh 100 125 2 🗌 Salty Pumping test method Pumping rate Duration of pumping **LOCATION OF WELL** Pump 2 🗌 Bailer In diagram below show distances of well from road and lot line. Indicate north by arrow. Water level <sup>2</sup> Recovery Static level end of pumping 45 minutes 32-34 19-21 15 minutes 26-28 30 minutes 39 feet Water at end of test 30 feet 100 feet
If flowing give rate 38-41 30 feet 30 feet PUMPING ☐ Clear GPM □ Cloudy Recommended pump type 5 GPM 100et **FINAL STATUS OF WELL** 1 Water supply
2 Observation well
3 Test hole ☐ Test hole
☐ Recharge well 55-56 WATER USE □ Commercial
 □ Municipal
 □ Public supply
 □ Cooling & air conditioning 9 🗌 Not used Domestic Domestic Stock Irrigation ☐ Industrial METHOD OF CONSTRUCTION 9 Driving
10 Digging
11 Other ... I Cable tool 5 Air percussion
Potary (conventional) 6 Boring
Rotary (reverse) 7 Diamond
Rotary (air) 8 Jetting 194876 Name of Well Contractor **USE ONLY** 58 JUL 0 9 1999 Capital Water Supply Ltd. 1558 Date of inspection P.O. Box 490 Stittsville, Ontario K2S 1A6 Remarks MINISTRY CSS.ES0 T0097 MIller

2 - MINISTER OF ENVIRONMENT & ENERGY COPY

day / 8 mo 6

		<sup>2</sup> Salty <sub>6</sub>	Gas	24-23	1  Steel 2  Galvanized						
	30-33	□ Fresh 3 □	Calpital	50 <b>h</b>	3 Concrete						
İ		2   Salty 6	Minerals	1~	4   Open hole  □ Plastic						
		_ , 0 []	Gas		5 🛄 Plastic						
					I n (						
71		est method 10	Pumping rate	€ GPM	Duration of pump	oing 17-18 <b>Mins</b>					
	1 🗭 Pump	<sup>2</sup> ☐ Bailer		O GPM		Mins					
TEST	Static level	end of pumping	Water level	•		² <b>≸</b> Recovery					
Ę,	19-21	22-24	15 minutes 26-28	30 minutes 29-31	45 minutes 32-34	60 minutes 35-37					
	36	1110	71	71	21	71					
Ž	fee	79.41	feet	feet of	> feet	feet 🔾 🗘					
7	If flowing g	ive rate	Pump intake s	et at	Water at end of te	est "2					
PUMPING		GPM		feet	☐ Clear	<b></b> Cloudy					
-	Recommend	led pump type	Recommended	43-45	Recommended	46-49					
	☐ Shallow	v 🔀 Deep	pump setting	/ / 🔿 feet	pump rate	8 gpm					
	50-53				•						
	LAL CTA	TUS OF WELL	54								
ГИ					unnly 9 🗀 Unfinis	le e d					
	<sup>1</sup> ₩ Water			d, insufficient su d, poor quality		nea cement well					
	3 ☐ Test h				_ періас	Onion Hell					
	4 🗌 Recha			Abandoned (Other)							

55-56

Air percussion
Air percussion
Diamond
Diamond
Diamond

55-56

Commercial

Municipal

Public supply

Cooling & air conditioning

00

☐ Fresh <sup>3</sup> ☐ Sulphur

**WATER USE** 

Domestic
Stock
Irrigation
Industrial

**METHOD OF CONSTRUCTION 57** 

1 ☐ Cable tool
2 ☐ Rotary (conventional)
3 ☐ Rotary (reverse)
4 ☐ Rotary (air)

1 Steel
2 Galvanized
3 Concrete

9 ☐ Not use 10 ☐ Other ...

9 Driving
10 Digging
11 Other

LOCATION OF WELL	
In diagram below show distances of well from Indicate north by arrow.	road and lot line.
	14
n.avm	
old couped	
	497
	206353

🗷 Annular space

arno

To

25<sup>17</sup>

Depth set at - feet

From

120

Abandonment

0506 (11/98) Front Form 9

Material and type (Cement grout, bentonite, etc.)

Marine of Well Contractor HILOUDIWECOLID	Well Contractor's Licence No.
Address LA Jasper, On	<i>t</i> '
Name of Well Technician  Shaunon Durall	Well Technician's Licence No.
Signature of Technician/Contracter	Submission date 99

Ĭ	Data source	58 Contractor	19	Date received JUL 2 7	1999	80
USE	Date of inspection Remarks		Inspector			
MINISTRY				CSS	ES0	
ΙĒ						

Print only in spaces provided.

Ministry of the Environment

2 - MINISTRY OF THE ENVIRONMENT COPY

1530938 Mark correct box with a checkmark, where applicable. 11

Municipality	Con.		
15006	CON	_1,,1.1.	0

0506 (11/98) Front Form 9

												34.39
County or District				Township/E	Borough/City/		)		Con bl	ock tract surve	y, etc. Lo	ot 12
Ottawa Owner's surname	Carleton B	First Name	+	Address	Kanata				3	Date	1	48:53
Gerhard	l Linse De	esign & Bui	lding	190	Colonna	de Roa	d south	Nepe	an,Onta	rio completed	5day 11	nonth 99ear
21		onsultants	asung -		Northing	1 1	LIEVE	K2E	7J5 <sup>Basin Co</sup>	de ii		LLLL
2		10 12	F OVERE	BURDEN	AND BEDF	ROCK MAT	<sup>25</sup> <sup>26</sup> FERIALS (s	ee instruc	tions)			47
General colour	Most con	nmon material			r materials				al description	)	Dept	h - feet To
		- 123		Gh am a							0	5
Brown		oiùl		Stone	<u> </u>		<del></del>				1	
Gray &	White S	andstone					1		.,,,,,		5	60
										.=	<u> </u>	
				_			ļ					
									and the con-			
		10000										
					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				L . 11-18			
		·					1					<u> </u>
							1	· · · · · · · · · · · · · · · · · · ·		,	1	
31 1	1	1 1 1	1 1 1	1 1	l i i	1.1	. 1 1			1 1 1		.     1
31   32   1   1				<u>                                     </u>	<u> </u>			<del>     </del>       .   ,     .			<u> </u>	.   .   .   .   .   .   .   .   .   .
10 1-	ER RECORD	51	CASI	NG & OP	EN HOLE	RECORD			of opening	31-33 Diameter	34-38 <b>Len</b> g	76 80 75 39-40
Water found at - feet	Kind of wate	Inside		nterial	Wall thickness	Depth		(Slot N	lo.)		inches	feet
10-13	□ Fresh <sup>3</sup> □ Su	inches		el 12	inches	From	To 2'2'5	Materi	al and type		Depth at top	of screen
15 10	☐ Saity 6 ☐ Ga	as	3 □ Co		1200							feet
1 1 1	☐ Fresh <sup>3</sup> ☐ Su ☐ Salty <sup>6</sup> ☐ Ga		4 □ Op 5 □ Pla	stic			20-23	61		NG & SEALING		
20-23	OP-TESTED	iphur <sup>24</sup>	2 Ga	lvanized				Depth se	Annular sp	ace laterial and type (Ce	Abandonr	•
26.24		ılphur <sup>29</sup>	4 <b>X</b> Op 5 □ Pla	en hole		22.5	60	From 10-13	10.17	· · · · · · · · · · · · · · · · · · ·		
2 [	☐ Salty <sup>1</sup> ☐ Mil	as	2 🗆 Ga	lvanized	i		27-30	21'2'	22-25	Grouted -	HOTE 1	1111 <u>3</u> (4
30-33 1 E	□ Fresh <sup>3</sup> □ Su □ Salty <sup>6</sup> □ Ga	ulphur <sup>34</sup> <sup>60</sup> inerals	3   Co 4   Op 5   Pla	en hole				26-29	30-33 80			
										.1		
71 Pumping test n		rumping rate 11.	Duran	on of pumpir 15-16 1 Hours	ng Mins		/  m =#===== :		OCATION (		road and l	at line
	Water level end of pumping	_	¹ 🗌 Pumpi		Recovery	$\  X \ $	Indicate n	orth by arr	ow.	es of well from		A IIIIU.
19-21	22-24 15	5 minutes 30 minutes	45 mir	nutes 32-34	60 minutes 35-37				=	0 .		
If flowing give in	25 feet	Tump intake set at		at end of test	11 2 Wet				Mook	Circl	e_	
If flowing give i	GPM		eet [	☐ Clear	□ Cloudy		ے کمہے					
Recommended		ump setting	pum	ommended p rate	46-49 <b>C</b> GPM		The same of the sa	i i			į	
50-53	Α '	50'	eet					1		DOOR	1	
FINAL STATU		54  Abandoned, insufficien	at gunnler 9	☐ Hafinish	ed.	V		ı	$\wedge$	<del>-}</del>	!	
<sup>1</sup>	tion well 6	⊒ Abandoned, insuπicien ⊒ Abandoned, poor qual ⊒ Abandoned (Other)	ity 10	☐ Replace	ment well				10'\.	102"	•	
¹ ☐ Recharge		☐ Dewatering						}	<b>J</b>	-	1	
WATER USE	5 F	55-56  Commercial	9	☐ Not use				1			1	
2 ☐ Stock 3 ☐ Irrigation	6 [ 7 [	☐ Municipal ☐ Public supply	10					1			1	
4 🗌 Industrial	l 8 [	☐ Cooling & air condition	ning									
1	CONSTRUCTI		٥	☐ Driving								
1 ☐ Cable too 2 ☐ Rotary (c 3 ☐ Rotary (re	oi ° [ conventional) <sup>6</sup> [ reverse) <sup>7</sup> [	Air percussion Boring Diamond	10	□ Digging							000	<b>-</b>
4 Rotary (a	air) <sup>8</sup> [	☐ Jetting									208	504
Name of Well Cont	tractor		We	ell Contractor	r's Licence No.	► Data		58 Contractor		59-62 Date rece		63-68 80
Capita	al Water S	Supply Ltd.		155	8	Source Date		<u> </u>	558	DEC	071	999
			On+	de mo	c 11 <i>e</i>		of inspection		mspecior			
Name of Well Tech	ox 490 S	Stittsville.	UNITAY W	all Technician	n's Licence No.	Rem	arks					
S Mil Signature of Techn	Ller nician/Contractor	<u> </u>	Su	TOO97	te	MINISTRY USE					CSS	S.ESO
Mes	Liven	$\Delta$			12 yr 99							



Print only in spaces provided.

Ministry of the **Environment** 

1532148 Mark correct box with a checkmark, where applicable. 11

Municipality 1506	Con.	111	03

Co	unty or District	<u> </u>			Townshi	p/Borough/City	/Town/Villac	je		Cor	block	tract survey	, etc.	Lot 25-27
C	ttawa C	arleton	-		Kar	nata				3		•	,	12
	mer's sumame cold Hav		Firs	t Name	Address Box	72059,	Kanata	ON.	K2K 2P4	ī		Date completed	31 day	07 01 month year
21			<u> </u>		asting	Northing	لبننا	RC	Elevation		in Code	ii -	iii 	iv
_	•	<b>,</b>	M 10	LOG OF	OVERBURDE	N AND BEDI	ROCK MA		s (see instr	uctions)				47
Ge	eneral colour	Most	common materia	al	Ott	ner materials			Ger	neral descri	ption		Fron	Depth - feet
В	rown	soil											0	5
G	rey &	white	sandstone	e									5	137
C	oloured	grani	te										137	150
									····· -					
													-	
													-	
			<u> </u>									<del></del>		
													<u></u>	
31		<del>         </del>		<del>                                     </del>			ببنا ك		ا لىلىا	<del></del>	4		1	البلبا
41	10 1-	R RECORI	21	51		PEN HOLE	L L		54 Size	es of opening	<u> </u>	1-33 Diameter	34-38	75 80 Length 39-40
Wat	ter found feet	Kind of w		Inside diam	Material	Wall thickness	Depth	1		ot No.)			nches	feet
	37 10-13 1N	Test Est		inches 6 11/4	1 Steel 12	inches •188	From	To 21 13-	Mat	terial and type	,		Depth at	top of screen 41-44
	45.40		Sulphur 19		2  Galvanized 3  Concrete 4  Open hole									feet
	00.02	」Salty <sub>6</sub> □	Minerals Gas Sulphur 24	17-18	5 Plastic  1 Steel  19			20-	61	PLUG		& SEALING	RECO	
	'	Salty 6	Minerals Gas		2 Galvanized 3 Concrete 4 Open hole				Depth From	set at - feet To	Mate	rial and type (Ce	ment grou	ut, bentonite, etc.)
			Sulphur 29 Minerals Gas	24-25	5 Plastic  1 Steel			27-		3 <b>0</b> -17	G	routed o	emer	it (2)
		Fresh 3 🗆	Sulphur 34 60 Minerals	6	2 Galvanized 3 Concrete 4 MOpen hole		21	150	18-2		80			
		Salty 6			5   Plastic				_					
71	Pumping test m		Pumping rate 2	11-14 <b>5</b> GPM	15.10	oing 17-18 Mins	1			LOCATIO				
٦	Static level e	Vater level and of pumping	Water levels d	-		2   Recovery	₽	Indica	te north by a	rrow.		of well from ro	oad and	d lot line.
3 TEST	34'6"	22-24	15 minutes 3	0 minutes 29-31	45 minutes 32-34	60 minutes 35-37	=	IO	1d Co	7 P Y	२व			
PUMPING	If flowing give ra	65 <sub>feet</sub>	145 feet Pump intake set a	100	75 feet Water at end of te	65 feet				•				
2	Recommended p	GPM	Recommended	fee 43-45		Cloudy 46-49				<b>.</b> Λ			/h	į.
	☐ Shallow	<b>™</b> Deep	pump setting 10	XO fee	pump rate	<b>5</b> <sub>GPM</sub>		ڪر ا	10	)" <u> </u>	FR.CH	BROOK.	د بررا ا	ie
	50-53 IAL STATU	S OE WELL	54							1 10	7 13	35	i	
	□	ply	- ∽ 5 ☐ Abandoned, i 6 ☐ Abandoned, p					Č		1	_		101	''
	<ul><li><sup>3</sup> ☐ Test hole</li><li><sup>4</sup> ☐ Recharge</li></ul>		<ul> <li>7 ☐ Abandoned (6</li> <li>8 ☐ Dewatering</li> </ul>				ا	9		1		<u>ر</u> کا	<b>V</b> .1	
WA	ATER USE		55-56					7		ŧ			A	
	1		<ul> <li>5 ☐ Commercial</li> <li>6 ☐ Municipal</li> <li>7 ☐ Public supply</li> </ul>		9 🔲 Not use	<del>0</del>		4		1		12	ι' Ι	
	4   Industrial		8 Cooling & air		g		5	1		, 1			•	
ME	THOD OF C			n	<sup>9</sup> □ Driving					•		•	1	
	<sup>2</sup> ☐ Rotary (co <sup>3</sup> ☐ Rotary (re	verse)	<ul> <li>Air percussion</li> <li>Boring</li> <li>Diamond</li> </ul>		10 ☐ Digging	g							22	0104
	<sup>4</sup> ☐ Rotary (air	r)	<sup>8</sup> Jetting					11					23	0184
Nan	ne of Well Contr	actor				or's Licence No.	<b>→</b> Data source		58 Contrac	tor	0	59-62 Date recei		2001 63-68 80
C Add	apital I	Water S	upply Lta	i	1558		O Date	of inspect	tion	Inspecto	<u>0</u>	AUG	21	2001
	ox 490,		ville, Or	n. K25		an'e Line-or At	L OSE	arke						
s	. Miller	•			10097	an's Licence No.	MINISTRY	rai KS					CSS	.ES1
Sigr	nature of Technic	cian/Contractor	2		Submission day		WIN WIN							
<b>4</b>	- MINIS	TRY OF	) THE FNVI	RONM	IENT COPY	. yı 🕶 t							0506 (0	7/00) Front Form
~					~~! I									

Ministry of the Environment

## The Ontario Water Resources Act WATER WELL RECORD

Print only in spaces provided.

Mark correct box with a checkmark, where applicable.

1532711

Municipality Con.

15.006
12.15.008
15.008
15.008

County or District		i t		Borough/City/	Town/Village				tract survey	, etc. L	_ot
10 Ha	wa Can	eton	Address	inat	~	· 		3	Date		12 48-53
			Ka	<u>Northing</u>	·, 0	AT Eleva	tion RC	Basin Code	completed	Oł C day	month year
21	M	10 12	17	18	24	25 26		31			47
General calant	Most seasons and	· 1	VERBURDEN		OCK MAT	ERIALS (se				Dep	th - feet
General colour	Most common mate	eriai	Othe	r materials			General	description	·- ·- ·- ·- ·- ·- ·- ·- ·- ·- ·- ·- ·- ·	From	То
Died	sanast	ne	· · · · · · · · · · · · · · · · · · ·		The .					70	170
	-				7						
		100	DO	000							
	*				. 1						
									<del> </del>		
								• • • •			
31			ــــــــــــــــــــــــــــــــــــــ	Lili	ــــــا ــــــا لـ		نتنا لتنا			1111	
32	14 15 21		1   1   1   1   1   1   1   1   1   1		43	Ш	L   L   L   L   L   L   L   L   L   L				75 80
Water found	ER RECORD  Kind of water	51 Inside	CASING & OP	Wall	RECORD Depth -	feet	Sizes of o	pening 31	Diameter	34-38 <b>Le</b> n	igth 39-40
at - feet	Fresh 3 Sulphur 14	diam inches	Material	thickness inches	From	To 13-16	Material a	nd type	1	nches Depth at top	of screen 30
15.18	Salty 6 Gas		Galvanized Concrete Open hole				Ø				feet
7, -	Stulty 6 Gas		Plastic 19			20-23		PLUGGING Annular space	& SEALING	RECOR	
	Fresh 3 Sulphur 24 Minerals		Galvanized Concrete Open hole				Depth set at	feet	rial and type (Ce		
	Fresh Suppur 29	24-25	lastic 26			27-30	10-13	14-17			
30-33	Fresh 3 Sulphur 34	60	Galvanized Concrete Dopen hole				18-21	30-33 80			
2 [	」Salty 6 □ Gas	. !	Plastic								
71 Pumping test n		40 GPM	Duration of pumpin	17-18 Mins				ATION OF V			
	Water level 25 Water leve			Recovery		In diagram Indicate no	below show orth by arrow.	distances o	f well from re	oad and id	ot line.
January 19-21 Feet If flowing give re	160 15 minutes 126-28	30 minutes 29-31	45 minutes 32-34	60 minutes 35-37							12
If flowing give r	feet feet ate 38-41 Pump intake s		Water at end of test				\		ı		
Recommended p			Recommended,	Cloudy 46-49			لسرب	\ ~a	uch	و کی	L
☐ Shaflow	Deep pump setting	60 feet	pump rate 4	О дрм		200	Î.	1110		•	
FINAL STATU							-				
¹ 🖅 Water sup ² □ Observati ³ □ Test hole	oply 5 ☐ Abandone on well 6 ☐ Abandone 7 ☐ Abandone		oply <sup>9</sup> Unfinishe								
<sup>4</sup> ☐ Recharge								OR	9		
WATER USE		ai	9 ☐ Not use			ald	, car	4.			
2  Stock 3  Irrigation 4  Industrial	6 ☐ Municipal 7 ☐ Public sup 8 ☐ Cooling &		10 🗍 <b>Other</b>								
METHOD OF	CONSTRUCTION 57										
1	I 5 Air percus proventional) 5 Doring	sion	<sup>9</sup> □ Driving <sup>10</sup> □ Digging								
3 ☐ Rotary (re			11 Other							237	810
Name of Well Contr	ractor		, Well Contractor	_	→ Data		Contractor		59-62 Date rece		63-68 80
Address RO	ch Dr. W.	<u>rglal</u>	19 111	9	Source Date o	of inspection	1 <u>1</u>	1.9	APR	15 2	2002
RR*1	Richm	ond,			NSE			podioi			
Name of Well Techi	Jesaulni	ers	Well Technician	's Licence No.	AT SININ REMAINS THE PROPERTY OF THE PROPERTY	rks			<u> </u>	S.E	20
Signature of Techni	cian/Contractor		Submission date	° 0,2	Ž Z				US	U.□	.02
- MI			1>7 1110		<del></del>						

	A SAME		***			and the second	4.						7 5 5 5 5	3,
(A) C	nta	ario		Ministry of the Enviror		Well Tag	Number	A,	C'	Hall free train the	Regulați	on 903 Ontari		Record
Instructio	ns for	Comple	atir	ag Form		A	014	60	LU		1		ŕ	of
<ul><li>For use</li><li>All Sec</li><li>Questi</li><li>All me</li></ul>	e in the tions n ons rec <b>tre me</b>	Provin nust be garding o asurem	ce con or ent	of Ontario npleted in f	full to avoi application reported	docume d delays on can b	ent is a perr in processi	nanent ng. Fu o the V	t lega	instructions an	LI Please retain for a continuo explanations a ment Coordinations  Minist	re available d	ence. on the back o	
Address of W							To	wnship	)		· ,	Lot	Concession	າ
RR#/Street N	lumber/	Name		Cas				City/To	own/V	illage		Dompartment/		
GPS Readin	¥) ¦	NAU,	Zon		] ,	North	ing	Unit M			ခ of Operation:	Undifferentiate	ed Ave	
Log of Ove		8⊥3 len and	Įς Be	drock Ma	<u>ე გე∖</u> iterials (s	<u>පට</u> ee inst	で3331 ructions)	111	ပင္ပ	ellan		Differentiated	specify	
General Colou	<u> </u>	lost comm	on	material		Other Mat	terials			Genera	al Description		Depth From	Metres To
C.O.	0	lai	دے	h7 a a	C . e.	. 100	2-0-0	~ <i>p</i>			_1.		,0	1.2
9,00	J.	ana	>	DIE	gre	1'''	nedo		***************************************	mixe	<u>C'</u>	WATER 1. 82	1.2	21.3
				dk-1-alo							CARTILLA III.			
						····				7002 2000 000				
				NA.										
				,		ENFAN MALAMANA				THE STATE OF THE S				
Hole	Diame	ter				Const	ruction Rec	ord			1	Test of We	l Yield	
Depth From	Metres To	Diamete		Inside diam	Materi	al	Wall thickness	Der	pth	Metres	Pumping test m	Timo		Recovery Water Level
02		<u> </u>	7	centimetres			centimetres	Fro	om	То	Subpuring Pump intake set	min i	Metres min	Metres
					Steel F	ibreglass	Casing				(metres) Pumping rate -	Level	(,71 ,20 1	7.53
Wat	er Reco	ard .			Plastic (		.48	0	)	7.2	(litres/min) (1) Duration of pum			
Water found at Metres	7	of Water		12:80	Galvanized Steel	ibreglass				,, <u>)</u>	hrs + Final water level	min	27 2	6.24
Gas	Fresh Salty	Sulphi Minera			Plastic C	Concrete					of pumping $Q_n$	netres	. <b>95</b> 3	6.05
Other:	Fresh	Sulphi	ur .			ibreglass					Recommended type.	Deep	.UY 4	5.99
Gas Cother:	Salty	Minera FCC(.	ils		Plastic C Galvanized	Concrete					Recommended processes depth.	etres 5 9.	80 5	5.52
198 Gas	Fresh Salty	Sulphi		Outside			Screen	- 18 A	ه ده کې د دنونه	257 ),,	Recommended prate. (litres/min)	oump 10 (C	), 77 10 , 29 15	5.77
Other:	Il vield.			diam	Steel F	-	Slot No.	us of			If flowing give ra		SS 20 CJ 25	5.56
Clear and s				<u> </u>	Galvanized	No Co					If pumping discortued, give reason.	itin- 30	30	2.44
Chlorinated -		No		4	Open hole	NO Ca	ising or Scr	6.7	<u></u>	21.3			2.3 40 2.30 50	5,35
			Sea	ling Recor	d R	Annular	space  At	andonm		\(\alpha(1, 5)\)	Loca	60 (a	2. <b>39</b>   60	5.10
Depth set at - N				(bentonite slu			etc Volum	e Placeo metres)	d	In diagram below			lot line, and bu	ilding.
67	0	Cer	$\sim$	ent?	Slui	4.	0.20	y43	>	maisate notal by	) ld Corrow.	0.		74
		7						:			sa cons	ORCI		
											2100	1		
			Me	ethod of Co	onstructio	n			_		my /	<b>,</b>	- ooke	
Cable Tool	entional)	∏ Rota	у (а	nir)	Dia	mond ting		Digging Other		26	19 //	narchi	عار	
Rotary (reve	1	Borir		Water	Dri	-		Otriei			$\mathcal{L}_{\mathcal{L}}$	( )		
Domestic		Indus		· · ·	Pu	blic Supply		Other	$\dashv$		N <sub>1</sub> 0	_		
Stock Irrigation		Com		l /		t used oling & air	conditioning	:		Audit No. 7	11551	Date Well Co		MM DD.
Water Suppl		Recharge	ı		Un	finished	Abando	ned, (Otl	her)	Was the well ow	ner's information	Date Delivere	-	06 17 628
Observation Test Hole	well [	Abandone	d, p	nsufficient sup oor quality	Re	watering placement				package delivered			04 1	7058
Name of Well C	ontractor	1	onti	ractor/Tech	nician Inf		Contractor's L	cence N	lo.	Data Source	winistr	Contractor	111	<u>a</u> =
Business Addre	ss (stree	pame, nu			ya		119			Date Received	YYYY MM DD	Date of Inspec	ction YYYY	MM DD
Name of Well To	chniciar	(last name	<u></u>	st name)	COL		Technician's L	cence N	No.	JUL 2 Remarks	1 2004	Well Record	Number	
Signature of Ver	chničian/	Copi <del>ractor</del>	\(\frac{1}{2}\)	non	inu	Date	Submitted yyyy	MM,	DD			15	3479	5
0506E (09/03)	2			Contra	actor's Copy	<i>ے</i> ل Min □	istry's Copy [		l Own	er's Copy	Ce	ette formule es		
						_				- —				=

(R) Or	ntai	rio !	Ministry o		T 1 45 1 1 2 4 4 1	ace sticker and prir	•	-					ecord
			he Enviro		A035395	A 035	395	-	Regulation 903	3 Ont			
<ul><li>All Section</li><li>Question</li><li>All metro</li></ul>	in the Fons mu is regale meas	Province of st be compared to the compared to	of Ontarion of Ont	o only. This docum full to avoid delays is application can be reported to 1/10	ent is a perr s in processi se directed to	ng. Further in o the Water	nstructions an	d exp	lanations are ava Coordinator at	ailable 416-	erence. e on the b 235-6203	ack of	of this form.
		arly in blu rmation		ink only. ation of Well Info	ormation	MUN	C	ON	Ministry Us	e Oni	у	LOT	
(													
Ottawa Car						LKanat				12			4
RR#/Street Nu 910 March GPS Reading	Road NA 8	D Zon 3 18	42	65 67 50	2 33 16	City/Town/Vil Kanat Unit Make/M Garmin	a Mode	of O	I	different		Avera	
Log of Over General Colour		n and Be		aterials (see ins			Genera	ıl Des	cription		De		Metres
Brown		Clay	:				Pac	ked			0	om	1.82
Gray			stone				Har				1'	.82	12.19
Gray & Wh:	ite	Sanda	stone				Har	<b>d</b>			12.	,19	27.43
1													
			-			į							
Hole [	Diamete	er	T .	Cons	struction Rec	ord			Tes	t of V	Vell Yield		
<u> </u>		Diameter Centimetres	Inside diam	Material	Wall thickness	Depth	Metres	Pur	nping test method		aw Down Water Leve		ecovery Water Level
0	7.31	22.75	centimetres		centimetres Casing	From	То	Pur	ubmersible np intake set at - tres) 21 . 33	min Static		min	Metres
7.31 2	7.43	15.23	15.86	Steel Fibreglass	.48	+ .45	10.36	Pur	nping rate - es/min) <b>54.6</b>		6.36	1	6,20
	Recor			Plastic Concrete Galvanized				Dur	ation of pumping <b>B</b> _hrs +_ <b>30</b> _ min	2	6.40	2	6.19
	Fresh [	of Water Sulphur	-	Steel Fibreglass Plastic Concrete				<del>                                  </del>	al water level end umping 6 metres	-	6.44	3	6.19
Gas Other:not	Salty (	Minerals		Galvanized Steel Fibreglass					ommended pump	4	6.45	4	6.18
Gas	Fresh [ Salty [	Sulphur Minerals		Plastic Concrete				Red	Shallow TDeep ommended pump th. 15.23netres	5	6.47	5	6.18
	Fresh	Sulphur		Galvanized	Screen	<u> </u>		Rec	ommended pump	10	6,50	10	6.15
Other:		Minerals	Outside diam	Steel Fibreglass	Slot No.				(litres/min) wing give rate -		6.51 6.52	15 20	6.13
After test of well Clear and se				Galvanized					(litres/min) imping discontin- give reason.	25 30	6.52 6.53	25 30	6.13
Other, specif					asing or Scr	reen		llueu	, give reason.	40 50	6.53 6.54	40 50	6.12
Chlorinated 🔀		No	15,23	Open hole		10,36	27,43			60	6.55	60	6.12
Depth set at - Me	etres Ma	ng and Se terial and typ		ord Annula slurry, neat cement slurry	Volur	me Placed ic metres)			Location of distances of well fr			and bu	ilding.
From T	Gr	outed	- Bento	onite Slurry	,42m		Indicate north by						47
							4.4	1_10	ych Ro			<del>-</del>	-
										110 110	<b>6</b> 5	1	
		M	lethod of	Construction				. 4	1 80	14/2		1	
Cable Tool Rotary (conve		Rotary (	air) ussion	☐ Diamond ☐ Jetting ☐ Driving		Digging Other	1.						
Domestic	·	Industria	al	Public Supp	oly [	Other			<b>       </b>		-		
Stock Irrigation		Comme	al	☐ Not used ☐ Cooling & a tus of Well	ir conditioning		Audit No. Z	46	997 Dat	te Well	Completed	YY	6 <sup>MM</sup> 27 <sup>DD</sup>
Water Supply		Recharge we	əll	Unfinished	The second second	loned, (Other)	Was the well over	vner's		te Deliv		YYYY ·	6 27 MM DD 6 28
Observation v		Abandoned,	poor quality	Replaceme	nt well				Ministry Us	e Onl	У		<u> </u>
Name of Well Co					ell Contractor's	Licence No.	Data Source		Co	ntracto	15	58	
Capital W Business Addres	•		1 1 M 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	rio K2S 1A6	1558		Date Received	YYYY	2006   Da	te of In		YYYY	MM DD
Name of Well Te	chnician	(last name, f	irst name)	W	ell Technician's	*	Remarks	, 1		II Rec	ord Number	•	
Miller: S Signature Tec	hylician/C	ontractor	<del>adağığığılını</del> Adal A	Da	ite Submitted <sub>YYY</sub>	Y MM DD		*					
0506E (09/03)		1	Cor	tractor's Copy 🔲 M		☐ Well Own	er's Copy		Cette f	ormul	e est disp	onible	en français

For use in the Province of Orbarico only. This document is a permanent legal document. Please retain for future reference. All Sections must be completed in this sool delays in processing. Further instructions and organizers are newlated on the back of this for Guestian instructions and expensive and the fact of this for Guestian instructions and expensive and the fact of this for Guestian instructions and expensive and the fact of this for Guestian instructions and expensive and the fact of this for Guestian instructions and expensive and the fact of metric processing. The fact of the f		ntari	O t	Ministry o he Enviro		ell Tag Number (Pi		int number below)		Regulation 90	3 Ontario	Water Res	
### Construction Record    Construction Record   Period	For use in All Section	n the <b>Pro</b> ons <b>must</b> os regardi	vince on the control of the control	of Ontarion of Ont	full to avoid of is application	elays in processi can be directed t	ng. Further o the Water	instructions ar	ıd exhl:	anations are ava	ailahla oi	ence.	
Straw   Carleton   Representation   Re	Please p	rint clearl	ly in blu	e or black	k ink only.				ON	Ministry Us	e Only	LOT	
State Compatement Block Track et al.		3 1110										Conocosio	
Linestone	RR#/Street Nur	mber/Nam	ie .									Block/Tract e	
Correct Color   Control   Color   Colo	<b>927 March</b> GPS Reading								e of Op	peration: Und	ifferentiate	d Ave	raged
Property   Property	Log of Overl	8 3 burden a	18 and Be	42 drock M	63 ⊧76 ∣ aterials (see	50 233 79 instructions)	Garmin			Diffe	rentiated,	specify	
Linestone   Bard   1.98   12, 19   22, 17, 19   12, 19	General Colour	Most o	common	material	Oth	er Materials		Gener	al Desc	ription		<del></del>	Metres _To
Hold Diameter    Hold Diameter   Depth   Morres   Depth		*	•									1 - <del>-</del>	1.9
Mole Diameter	1 7											1	12.1
Depth   Metres   Dimerials   Depth   Metres   Depth   Metres   Depth								11611				AM \$ 1.7	and a Li
Depth   Metres   Dimerials   Depth   Metres   Depth   Metres   Depth													
Depth Metres   Demeter									+				
Depth   Metres   Demeter   From   To   Centiferenses   Centi													
Depth Metres   Demeter	Hole D	)iameter				Construction D	ord	A	1		6 ce 144 ·	V:-1-1	
O 9.75 22.75 9.75 22.24 15.55 15.86 Suee   Fibregase   48 + .45   9.75   Water Record   Support   15.86   Suee   Fibregase   48 + .45   9.75   Water Record   Support   15.86   Suee   Fibregase   48 + .45   9.75   Water Record   Support   15.86   Suee   Fibregase   15.86   Support   Suee   Fibregase   15.86   Suee   Fibregase   15.86   Support   Suee   Fibregase   Support   Suee   Fibregase   Support   Suee   Fibregase   Support   Suee   Fibregase   Suee   Fibregase   Suee   Fibregase   Support   Suee   Fibregase   Suee   Fibre	Depth Me	etres Dia		Inside			1	Metres	Pum				Recovery
Second   S				1.0			From	То			min N		
13.88		1				Casing	I		(meti	res)10_81	Level 3,		<u> </u>
Water Record   Galvanized   G	7.13 44.	,27 1.	ردود	15.86	Steel Fibro	eglass .48	+ .45	9.75	(litres	s/min) <b>54.6</b>	1 3,	73 1	4.90
Plastic   Concrete   Cable Tool   Sulphur   Sulphur   Cable Tool   Sulphur			Vater		Galvanized				11 1		2 3,	<b>.81</b> 2	4.85
Galvanized   Gal	14.02	Fresh 🔲 S	Sulphur						Final	water level end	3 <b>3</b> ,	<b>.81</b> 3	4.82
Supply   General   Gener		saity	viinerais			eglass			Reco	mmended pump		85 4	4.78
Screen   Sulphur   Screen   Sulphur   Screen   Sulphur   Screen   Screen   Sulphur   Screen   Screen   Sulphur   Screen   Scree	19,81				Plastic Con				Redo	mmended pump		<b>87</b> 5	4.75
Cable Tool   Method of Construction   Cable Tool   Method of Construction   Cable Tool   Method of Construction   Rotary (reverse)   Borring Water Use   Demonstric   Slurry   Demonstric   Slock   Demonstric   Slock   Demonstric   Slock   Demonstric   Slock   Demonstric   Developing   Demonstric   Material supply   Replacement well   Method of Construction   Cable Tool   Method of Construction   Rotary (reverse)   Borring   Demonstric   Material supply   Demonstric   Developing   Demonstric   Material supply   Demonstric   Developing   Developing   Demonstric   Developing   Developi		Fresh S	Sulphur		Galvanized	Screen			Reco	mmended pump			
After test of well yield, water was \$\frac{\text{clarar and sadiment free}}{\text{choirasted Not casing or Screen}} \rightarrow{\text{No Casing or Screen}} \rightarro	Gas 🗆 S	Salty 🔲 N	Minerals	L .	Steel Fibre	eglass Slot No.			rate.	(litres/min)	15 💪	<b>13</b> 15	4.52
Other, specify			r was			crete				(litres/min)	25 4	<b>30</b> 25	4.37
Plugging and Sealing Record  Annular space   Abandonment   Depth set at - Melres   Material and type (bentonite stury, neat cement stury) etc. (volume Placed (ublic metres)   Q,75   9   Grouted - Bentonite Slurry   .254m3      Method of Construction   Diagonal   Diagonal   Diagonal     Rotary (conventional)   Air percussion   Dirving   Dimonal     Rotary (reverse)   Boring   Diving     Dornestic   Industrial   Public Supply   Other     Stock   Commercial   Industrial   Public Supply   Other     Stock   Commercial   Municipal   Cooling & air conditioning     Timigation   Municipal   Dewatering   Dewatering     Test Hole   Abandoned, poor quality   Replacement well     Well Contractor/Technician Information     Name of Well Contractor String   Name of Well Technician (last name, first name)   Well Technician's Licence No. T0097     Too 7   Too 9   Too 9   Date of Inspection   Too 9     Too 1   Too 9   Date of Inspection   Too 9     Too 9   Da						No Casing or Scr	een		ued	give reason.			4.31
Plugging and Sealing Record Annular space Abandonment Depth set at - Metres Meterial and type (bentonite stury, neat cement stury) etc. Volume Placed (cubic metres) 9,75	Chlorinated 🕱	Yes 🗌 N	No ;	15.55	Open hole		9.75	22.24				***	4.15
To			and Se		and the second second						of Well	X 200 - 200	
Method of Construction   Digging   Rotary (conventional)   Air percussion   Jetting   Other   Public Supply   Other   Stock   Commercial   Not used   Stock   Commercial   Not used   Municipal   Cooling & air conditioning   Tripation   Municipal   Dewatering   Dewatering   Test Hole   Abandoned, poor quality   Replacement well   Well Contractor/Technician information   Well Contractor/Supply   Ltd.   Supplication   Stock   Commercial   Not used   Abandoned, (Other)   Dewatering	From To	o Iviaterii				(cubi	c metres)			distances of well fr	om road,	lot line, and b	uilding.
Method of Construction	9.75	Gro	uted ·	- Bento	onite Siu	ry .254	JE 3				1		•
Method of Construction									a	<u> </u>			
Cable Tool Rotary (air) Diamond Digging Other Rotary (conventional) Air percussion Jetting Other    Rotary (reverse) Boring Driving   Water Use					<u> </u>			; }	Ales	5			
Rotary (conventional) Air percussion Jetting Other Rotary (reverse) Boring Oriving    Rotary (reverse) Boring Oriving   Other										13600			
Domestic	Rotary (conver	ntional) 🗵	Air perc	ussion	☐ Jettin ☐ Drivin	g : [		1	4				
Final Status of Well  Water Supply Recharge well Unfinished Abandoned, (Other) Observation well Abandoned, insufficient supply Replacement well  Well Contractor/Technician Information Name of Well Contractor Capital Water Supply Ltd. Business Address (street name, number, city etc.)  Box 490 Stittsville Ontario K2S 1A6 Name of Well Technician (last name, first name) Well Technician's Licence No. Miller: Stephen Signs Mell Technician (Contractor Date Submitted YYYY MM DD  Audit No. Z 46 998  Date Well Completed YYYY MM Date Delivered YYYY MM Date Delivered YYYY MM Date Delivered YYYY MM Date Delivered YYYY MM DD  Date Delivered YYYY MM DD  Date Delivered YYYY MM DD  Date Delivered YYYY MM DD  Date Delivered YYYY MM DD  Date Delivered YYYY MM DD  Date Delivered YYYY MM DD  Date Delivered YYYY MM DD  Date Delivered YYYY MM DD  Date Delivered YYYY MM DD  Date Delivered YYYY MM DD  Date Delivered YYYY MM DD  Date Delivered YYYY MM DD  Date Delivered YYYY MM DD  Date Delivered YYYY MM DD  Date Delivered YYYY MM Date Delivered YYYY MM DD  Date Delivered YYYY MM Date Delivered YYYY MM DD  Date Delivered YYYY MM Date Delivered YYYY MM DD  Date Delivered YYYY MM Date Delivered YYYY MM DD  Date Delivered YYYY MM Date Delivered YYYY MM DD  Date Delivered YYYY MM Date Delivered YYYY MM DD  Date Delivered YYYY MM Date Delivered YYYY MM DD  Date Delivered YYYY MM Date Delivered YYYY MM DD  Date Delivered YYYY MM Date Delivered YYYY MM DD  Date Delivered YYYY MM				al	Public		Other		14				
Water Supply Recharge well Unfinished Abandoned, (Other) Abandoned, insufficient supply Dewatering Abandoned, poor quality Replacement well  Well Contractor/Technician Information  Name of Well Contractor  Capital Water Supply Ltd.  Business Address (street name, number, city etc.)  Box 490 Stittsville Ontario K2S 1A6  Name of Well Technician (last name, first name)  Well Technician's Licence No.  Miller: Stephen  Date Delivered YYYY MM pdf package delivered?  Was the well owner's information package delivered?  Was the well owner's information package delivered?  Was the well owner's information package delivered?  Date Source  Contractor  Date Source  Date Sephen  Well Technician's Licence No.  TOO97  Date Submitted YYYY MM pdf  Date Submitted YYYY MM pdf	<del> </del>			al	Cooli			Audit No. <b>7</b>	46	998 Dat	e Well Co		
Test Hole Abandoned, poor quality Replacement well  Well Contractor/Technician Information  Name of Well Contractor  Capital Water Supply Ltd.  Business Address (street name, number, city etc.)  Box 490 Stittsville Ontario K2S 1A6  Name of Well Technician (last name, first name)  Well Technician's Licence No.  Miller: Stephen  Date Submitted YYYY MM DD  Well Record Number  Well Record Number				ell .	Unfin		oned, (Other)	Was the well or	vner's in	nformation Dat	e Delivere	d YYYY	
Name of Well Contractor  Capital Water Supply Ltd.  Business Address (street name, number, city etc.)  Box 490 Stittsville, Ontario K2S 1A6  Name of Well Technician (last name, first name)  Well Technician's Licence No.  T0097  Signal Major Technician (Contractor)  Well Contractor's Licence No.  1558  Data Source  Contractor  Date of Inspection YYYY MM DD  Well Record Number  Well Record Number	_	Aba	andoned,	poor quality	Repla	cement well		package delivere	su!		Only	2006	16 * 128
Business Address (street name, number, city etc.)  Box 490 Stittsville Ontario K2S 1A6  Name of Well Technician (last name, first name)  Well Technician's Licence No.  T1097  Signalurator  Date Received YYYY MM DD  Date of Inspection YYYY MM DD  Well Record Number  Well Record Number	. 14.11.0 0. 110.1 00.	ntractor			umician Infor	Well Contractor's	Licence No.	Data Source	$\dashv$		· · · · · · · · · · · · · · · · · · ·	155	8
Name of Well Technician (last name, first name)  Well Technician's Licence No.  Well Technician's Licence No.  T0097  Signs May of Technician (Contractor  Date Submitted TYYY MM DD	Business Address	s (street nan	ne, numb	er, city etc.)					YYYY		e of Inspe		
Signal Help Technician/Contractor Date Submitted TYYYY MM DD				Onta irst name)	rio K2S 1	4 25 4 44	Licence No.		1 1		ll Record	Number	
	Millor S Signa <i>ylej</i> of Tech	tephen nnician/Cont	tractor			Date Submitted YYYY	/ MM DD						
2006 6 29 Contractor's Copy Ministry's Copy Well Owner's Copy Cette formule est disponible en franço	0506E (09/03)	one	*	Con	tractor's Copy			ner's Copy 🔲	$\dashv$	Cette fo	ormule e	st disponible	en français

	ntai	IIO t	Ministry of he Enviror		/ell Ta	g Number (Pla	ace sticker and pr	int number below)	Regulation 90	3 Onta	rio Water	Resc	
<ul><li>All Section</li><li>Question</li></ul>	in the <b>F</b> ons <b>m</b> uns rega	Province oust be controlled in the controlled in	of Ontarion pleted in pleting this	full to avoid	delays can b	s in processi se directed to	ng. Further o the Water	instructions an	L Please retain for future and explanations are average The coordinator at	ailable	rence. on the ba	age _ nck of	of this form.
Please p	orint cle	arly in blu	e or black	ink only.		a.			Ministry Us	e Only			
Well Owner	r's Info	ormation	and Loca	tion of We	ll Info	rmation	MUN		CON			LOT	
Ottawa	Carle	eton					Kanata		1	1		<i>\</i>	
RR#/Street Nu 941 Mar	ımber/N	ame					City/Town/V	-	Site/Compa		/Block/Tra	act etc	<b>)</b> .
GPS Reading	8	3 18	426	390		23443	Unit Make/M <b>Garmin</b>	lodel Mod		lifferentia erentiate	ited 🗶	Avera	iged
Log of Over General Colour	1	n and Best common	<del></del>		<b>e inst</b> her Ma			Gener	al Description		Dep	th	Metres
	1110	01 00/////01/	Thatonal -		1101 1110	ico i dio			ar Description		Fro		То
													1
					<del></del>	·							
					<u> </u>				···				
									-				
-			*					· .	**************************************				
Hole	Diamete	er			Cons	truction Rec	ord		Tes	t of W	ell Yield		
Depth M	Metres To	Diameter Centimetres	Inside diam	Material		Wall thickness	Depth	Metres	Pumping test method		w Down Vater Level		ecovery Water Leve
110111			centimetres			centimetres	From	То	Pump intake set at -	min Static	Metres	min	Metres
				Steel Fib	roglass	Casing			(metres) Pumping rate -	Level 1		1	
				Plastic Co					(litres/min)  Duration of pumping				
Water found at Metres	r Recor Kind	of Water		Galvanized Steel Fib	reglass				hrs + mir	2		2	
m	Fresh Salty	Sulphur Minerals		Plastic Co	74.33				Final water level end of pumping metres	3		3	
Other:				Galvanized Steel Fib	reglass	-		:	Recommended pump type.	4		4	
☐ Gas ☐	Fresh   Salty	Sulphur Minerals		Plastic Co	ncrete				Recommended pump	5		5	
Other:	Fresh	Sulphur		Galvanized	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Screen	14.7		Recommended pump	10		10	
Gas Other:	Salty	Minerals	Outside diam	Steel Fib	. 74	Slot No.			(litres/min) If flowing give rate -	15 20		15 20	
After test of wel	•			Plastic Co Galvanized	ncrete		-		(litres/min) If pumping discontin-	25		25	
Other, speci					No C	asing or Sci	reen		ued, give reason.	30 40		30 40	
Chlorinated	Yes	☐ No		Open hole						50 60		50 60	
	Pluggi	ing and Se	aling Reco	ord 🔲	Annula		bandonment		Location	of Wel			
Depth set at - M	Metres Ma To	aterial and typ	e (bentonite s	lurry, neat ceme	nt slurry		me Placed ic metres)	In diagram belo	ow show distances of well f by arrow.	om road	d, lot line, a	and bu	ilding.
6.09	0	Groute	d Bento	nite Slu	rry	2inc	h hole	100		ı			
	-										1		
							- :				4		
		- N	lethod of	Construction	1						•		
Cable Tool	ventional)	Rotary		☐ Diar			Digging Other						
Rotary (rever	,	Boring		Driv	•				March F	14			
Domestic		Industri	al		lic Supr	oly [	Other						
Stock Irrigation		Comme Municip			used oling & a	ir conditioning		Audit No.	47023 De	te Well	Completed	~	MM DD
☐ Water Suppl	ly 🗆	Recharge w		tus of Well	inished	X Aband	doned, (Other)	Was the well of	owner's information Da	ite Delive	20	06   ***	7 20 MM DD
Observation Test Hole	well	Abandoned, Abandoned,	insufficient s poor quality		vatering laceme		American and	package deliver	• • • • • • • • • • • • • • • • • • •		ang di kacamatan di kacamatan di kacamatan di kacamatan di kacamatan di kacamatan di kacamatan di kacamatan di		
Name of Well C	Contractor		tractor/Ted	chnician Info		on 'ell Contractor's	Licence No.	Data Source	Ministry Us	e Only ontractor		<u></u>	<u> </u>
and the second s	l Wat	er Supp	oly Ltd. per, city etc.)			1558		Date Received	YYYY MM DD Da	ite of Ins	pection Y		58 MM DD
	0 Sti	ttsvil]	e Onta	rio K2S		'ell Technician's	Licence No.	AUG Remarks	2 5 2006		rd Number		
Miller S	Steph	en	o. namej	<u> </u>		T0097 te Submitted			l AA	J., 1 1000	Tallipol		
x NOW	nnician/					2006	7 20			Fo. pro 1	004 -11	mil-1-	on from '
0506E (09/03)	*	, <b>15</b>	Con	tractor's Copy	M	linistry's Copy	Well Ow	ner's Copy	Cette	ornule	esi aispo	ı IIDI <del>C</del>	en françai

$(\infty)$	Ontario
(U)	Untario

	Well	Tag N	lumbe	r (Place	sticke	r and print	number b	elow)
ıt		A04	<b>19</b> 07			Apriles S		
		13	64	10	PT			

				Reco	
anulati	nn 002 (	Interio	Water P	Paenurcae	A nt

<b>(A)</b> (	Onta	ario	Ministry of the Enviro	nment	AC	41907	J. J. Barrer	int number below)	Regulation 903	3 Ont			ecord
Instructi	ons for	Completin	ng Form			4 0415	907	<del></del>			p	age _	of
<ul><li>All Se</li><li>Ques</li></ul>	ections. <b>r</b> stions reg	<b>nust</b> be cor garding com	npleted in pleting thi	full to avoids application	d delays on can b	in processi e directed t	ing. Further o the Water	instructions an	lease retain for futur d explanations are ava ment Coordinator at	ailable	on the ba	ack of	this form.
		asurement learly in blu			to 1/10 <sup>t</sup>	h of a metre	∍. ┌──		Ministry Use	e Onl	v		
		formation		4	lell Info	rmation	MUN	С	ON			LOT	
Ottawa	Carl	eton,		, ,,			Kanata			11		4	
RR#/Stree	t Number	/Name			100	L	City/Town/V	illage	Site/Compa				C.
941 N GPS Read	larch	<b>Rd</b> . NAD Zor	ne Eastin	na	North	nina	Kanata Unit Make/M		e of Operation: Und			¬	
, , ,	• •	8 3 18	3 426	5390	50	23443	Garmin	lodei Wode		lifferent erentiat	ed, specify	Aver	aged
		den and Be	·	<del></del>									
General Co	lour N	Most common	material		Other Ma	terials		Genera	al Description		Dep Fro		Metres To
Brown		Clay						Packed			0		2.74
grey		limest	tone					Hard			2.74	4	11.58
grey&	vhite	sandst	cone					***************************************			11.58	3	22,24
-													
			in a										
				1									
Н	ole Diam	eter 🔏	-		Cons	truction Rec	ord		Tes	t of V	Vell Yield		
Depth	Metres	Diameter	Inside	Matar	ial	Wall	Depth	Metres	Pumping test method		aw Down		lecovery
From	То	Centimetres	diam centimetres	Mater	iai	thickness centimetres	From	То	Submersible	min	Water Level Metres	l I Ime min	Water Leve Metres
0	6.40	22.75				Casing			Pump intake set at - (metres) 18,28	Static Level	1		
6.40	22.24	15.23		Steel	Fibreglass	Ousing			Pumping rate -		5.83	1	5.46
			15 06	Plastic		40	J. 15	6 40	(litres/min) 50.05				
W Water found	ater Rec	ord nd of Water	15.86	Galvanized		.48	+.45	6.40	Duration of pumping hrs + min	2 1	6.08	2	5.41
at Metre	es / '''			Steel	_				Final water level end	3 (	5.21	3	5.39
20,72 Gas	Salty	Minerals		Plastic Galvanized					of pumping <b>7.01</b>	<del>,</del>	6 20	<u> </u>	E 26
P	b+TU			Steel	Fibreglass				Recommended pump type. Shallow **Deep	4	6.30	4	5.36
Gas	Fresh	Sulphur Minerals		Plastic	Concrete				Recommended pump	5	6.35	5	5.34
Other:		<del></del>		Galvanized	t .				depth15.23 <sub>metres</sub>		6 50		F 00
m □ Gas	Fresh	Sulphur Minerals	Outside	<u> </u>		Screen		<u> </u>	Recommended pump rate. 45, 5 (litres/min)	10 15	6.50		5.23 5.16
Other:	Gaity	Willierars	diam		Fibreglass	Slot No.			If flowing give rate -	20	6.69		5.14
After test of				Plastic Galvanized	5 11	-			(litres/min)	25	6.76	25	5.12
Clear an		nt tree				asing or Sc	reen		If pumping discontin- ued, give reason.	30 40	6.79 6.88	_	5.10 5.07
				No hala	· · · · · · · · · · · · · · · · · · ·	asing or oc		·	1	50	6.94		5.04
Chlorinated	Yes	∐ No	15,23	Open hole		····	6.40	22.24		60	7.01		5,02
		ging and Se	ealing Reco	ord [	Annula		Abandonment		Location				
Depth set a From	t - Metres To	Material and ty	pe (bentonite :	slurry, neat cei	ment slurry		me Placed pic metres)	In diagram belo Indicate north b	w show distances of well fi y arrow.	om ro	ad, lot line,	and bu	uilding.
6.40	0	Groute	ed Bento	onite S	lurry	2	1m3	4/7	1	¥ 94	1	1	
								107	1 1		1	1	
									1			1	
				·					•		- 1 %	1	
									<u> </u>				
Cable To	201	Rotary		Constructi	on iamond	Γ	Digging				8	1	
1=	convention				etting		Other		1		byle.	551	
☐ Rotary (r	reverse)	Boring	187 -		riving					<del></del>			
Domesti	С	∏Industr		er Use	ublic Supp	olv F	Other		March Rd				
Stock		Comm	ercial	N	lot used	_				A. 147	L Ocean 1 1 1		
☐ Irrigation	)	Municip		tus of Well		ir conditioning		Audit No. <b>Z</b>	47021 Pa	te Wel	Completed	ا م0	MM 188
Water S	upply	Recharge w			Infinished	Aban	doned, (Other)		wner's information Da	te Deli	vered y	YYY	MM . DD
Observa	tion well	Abandoned	, insufficient s , poor quality		ewatering leplaceme			package deliver	ed? Yes No		20	do	17/18
Test Ho	и <del>с</del>			chnician Ir					Ministry Us				
Name of W		tor .				ell Contractor's	Licence No.	Data Source	Co	ontracto		K 1	58
Capi Business A	tal Wa ddress (str	ter Suppet name, num	<b>DIY Ltd</b> ber, city etc.)	<u> </u>	*	1558		Date Received	2 YEY 20ME DD Da	ite of Ir	nspection	//YY	MM DD
Box	490 S	tittsví	lle Ont		S 1A6	loll Tackers	Licens N-		2 3 2000				
		an (last name,	tirst name)		W	ell Technician's	s Licence No.	Remarks	W	эн Кес	ord Number		

Date Submitted YYYY MM DD 2006 7 18

Contractor's Copy Ministry's Copy Well Owner's Copy

Cette formule est disponible en français

# Measurements recorded in:

Ministry of the Environment

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

Well	Record
------	--------

Regulation 903 Ontario Water Resources Act
Page of

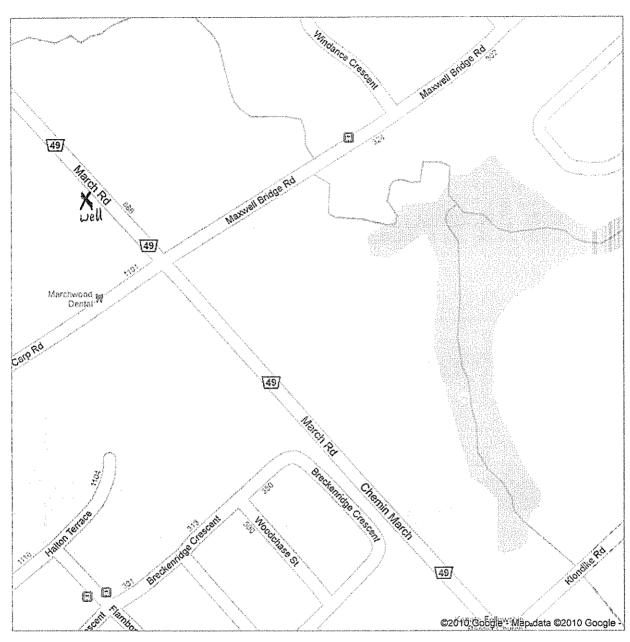
Well Owner's Information  First Name   Last Name (Organization)								18 10 10 mg	E-mail Address				Well Constructed			
Mailing Add	dress (S)	reet Nur	nber/Nan	City		Ottan		unicipality		Province	Postal Code			by e No. (	Well	Owner rea code)
(0) (		atom.	Cresco	<u>nt</u>				Ottan	4	Ontow	10 K 166	58	6   1   3	518	0 1	141010
Address of	Well Lo		treet Nun	nber/Name)			To	ownship			Lot		Concess	ion		
County/Dis	Mavch strict/Mur	R.). nicipality					С	ity/Town/Vi		1		Provir			stal (	
UTM Coord	inates Z	one Ea	sting	, No	orthing		М	unicipal Pla	Kawa an and Subl			Ont	ario	K	3   K	11   X   7
NAD	8 3	84	2 6 5	5   6   9   5	0 2	3 2 4	7	<u>Svings</u> stoneng geomery	sang akabagan segar			- 1604 (665) Y		Press (Andre)	(5530.59590)	000001100000000000000000000000000000000
General C				als/Abando non Material	nment	Sealing F		α <i>(see instr</i> er Materials	*******	back of this for	n) General Description	 າ		Fro	Depth m	( <i>m/ft</i> ) To
				Stati	c W	iter 1	وره		21							
									l Constu	uction						···
				GP5	- Ga	vmi n	Ef	rex	AAAAAAAAAAA							
L								***************************************			44 V. (***)					
			- V V V													
														*		
				Annular	Space						Results of W	ell Yie	ld Testir	g	ilin mi	
Depth So From	et at ( <i>m/fi</i>   To	()		Type of Sea (Material an		d			e Placed <sup>3</sup> /ft³)	After test of w	ell yield, water was: d sand free	Di Time	raw Down Water Le	vel Tir		covery Vater Level
29'	241		140	teplony 5	and					Other, s	continued, give reason:	(min) Statio		(m	in)	(m/it)
34,	3,		He	ole plus						i i pamping di	scortanded, give reason.	Level			1	
3	0.8		Sam	<u>ત્ર</u>						Pump intake	set at (m/ft)	2			2	
0.8	0		Wash was successful	m Ruck	annoisidh de riss.	ASSESSMENT OF THE PROPERTY OF	es codd k pounid	เหลือดการเก็บระดับระเทีย	DESTRUCTION OF THE PROPERTY OF	Pumping rate	e (l/min / GPM)	3			3	
Meti ☐ Cable To	Ditto- D. I HERWILLIAM	Constru 	i <b>ction</b> Diamond	□ Pu	blic		II Use		Not used			4			4	
☐ Rotary (0			Jetting Driving		mestic estock	☐ Mu ☐ Te			Dewatering Monitoring	Duration of p		5			5	
☐ Boring ☐ Air percu			Digging	☐ Irriq ☐ Ind	_	☐ Co	ooling &	& Air Conditi	oning	Final water le	vel end of pumping (m/ft	10		1	0	
Other, s	pecify	- Ohrobber - Sente	200°, = 1500000 0		ner, speci	fy	Jorgánsky vat	Luciana, escapion		If flowing give	rate (I/min / GPM)	15		1	5	
Inside	Open	Hole OR	Material	ecord - Cas Wall		epth ( <i>m/ft</i> )		☐ Water		Recommend	ed pump depth (m/ft)	20		_   2	20	
Diameter (cm/in)	Concre	nized, Fib ete, Plastic	regiass, c, Steel)	Thickness (cm/in)	From	To	0	Test H		Recommend	ed pump rate	25		+	25	
								Rechar	•	(I/min / GPM)	ou pump rate	30		_	0	
									ation and/or ing Hole	Well product	on (I/min / GPM)	40 50			0	
									ruction)	Disinfected?	No	60			0	
		Coneto	uction R	ecord - Scre	en			8	ient Supply	Yes	Map of W		cation		0	oden Di sentistori
Outside Diameter	(Dinetic	Material		Slot No.	De	epth ( <i>m/ft</i> )	2014288977808	/Water	oned, Poor Quality oned, other,	Please provid	e a map below following			e back		
(cm/in)	(Plastic,	Galvanize	ed, Steel)	····	From	T	0	specify								
								Other,								
		w	ater Det	tails			H	ole Diame	ter							
			of Water	r: Fresh [	Untes		Depti om	h ( <i>m/ft)</i>   To	Diameter (cm/in)							
Water four	nd at De	pth Kind	of Water	r: Fresh [	Untes	ted										
			of Water	r: ☐Fresh [	Untes	ted										
(n	n/ft) 🗌 G		ther, spe			the attention of the sale and the	Trecht auf fez a t									
Business N		Well Conf	tractor	or and Well	Techni	cian Info		l Contractor's	Licence No.							
Maval Business A			Co. L imber/Na		***************************************			Nicipality	9   4	Comments:	-	1				,
6847		m Dr.		_	· E"	م اعاد ۸		Otton	In		See At	tuch	ed			
Province Ortavi	0	Postal KH	PHA	Business  2 ∫≼c√e∫	10 mo	wathon	dvil	linger	n	Well owner's information	Date Package Deliver	ed		ilstry	Use	Only
Bus.Telepho	one No. (	inc. area c	ode) Na	me of Well T	ecnnicia	n (Last Na	ame, f	First Name)		package delivered	YYYYMM		Audit No		36	933
Well Technic	ian's Lice	nce No. 8	Signature	of echnicia	in and/or	Contracto		e Submitted		☐ Yes ☐ No	Date Work Completed				<u> </u>	6 70 6 6
3 A 0506E (12/20)	<u> </u> <del>5</del>	14/	ne e	+			4		li  € b  <del>}</del> b try's Copy	J L	MMYYYW	UD	Receiv 6	Barrer, Barry	/ / ter for	2010 Ontario, 2007

Ministry's Copy

<u>Prir</u>

Google maps

Notes



C-6894 Z096933.

DEC 2 2 2010

Measurements recorded in:

Ministry of the Environment

Metric

Imperial

Tag#: A135310

A135310

Print Below)

Well Record

Reg Page\_ of

gulation	903	Ontario	Water	Resources	Ac
juiauvii	303	Omano	*ratai	1103001003	710

	Well Location (Street Nu	•	T	ownship	on)MARCH	Lot !	Concessi	on 2	
	Marchbrook Circ				USS / IN SHIKE LET		Province	Posta	l Code
•	tawa-Carieton			Kanata			Ontario	***************************************	remented de la constitución de l
	inates Zone Easting	Northin	g N	Junicipal Plan and Sub	lot Number		Other	***************************************	
	8 3 18 425			4M-723			5		
Overburd	en and Bedrock Materi		· · · · · · · · · · · · · · · · · · ·		3			Der	oth (m <b>di</b> )
General C	olour Most Comn	non Material	Oth	er Materials	Gene	ral Description		From	To
	Beel	k Fill	, , , , , , , , , , , , , , , , , , ,	<u> </u>	41.00	,		<u>O</u>	4.
űrey.	}	Limestor	ia				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	4	37
Grev	& White	Sandator	} @					37	79
	& White	Sandator			***************************************		)	70 '	7 93 /
	& White			wiaiwibiiiwbiiwiiviiiiiiwiivviivvyvy.v				93 (	100
. S. 7 62 3	Cr vviiles	was in the same of	1 662		~				A Vego Senti
**************************************									
		Annular Spa				<del></del>	Il Yield Testin		······································
Depth Se From	et at (m(ft))	Type of Sealant I (Material and Typ		Volume Placed (m³/ft²)	After test of well yield,  Clear and sand f		Draw Down Time Water Le		lecovery Water Level
20 1	o' Neat o	entent		12.5	Other, specify		(min) (m/fl)	(min)	
		анымым смароанаявая ваневанесса разносса та раван			If pumping discontinue	·~··~	Static 18.8		56.8
		310000000000100003110000000331000000000	·····		$\parallel$		1 28,6	1	353
		······································		<u> </u>	Pump intake set at (n	r <b>O</b>	_		
		:	•		80'		2 34.2		25.4
Metl	nod of Construction		Well Us	•	Pumping rate (l/min /	(PM)	3 38, a	3	18.8
Cable To		d Public	☐ Comme				4 41.4	. 4	18.8
	Conventional)	Domestic		•		nin	5 45,4	- 5	
Rotary (F	Reverse) Driving Digging	Livestocl Irrigation	*******	le	Final water level end o		40	40	
Air percu	ission	☐ Industria	. · ·		56'8"	, -	10 5L4	10	
Other, sp	· · · · · · · · · · · · · · · · · · ·	Other, st			If flowing give rate (l/n	nin / GPM)	15 Sas	15	
Inside	Construction R	1	Depth ( <i>mੴ</i> )	Status of Well  Water Supply			<sup>20</sup> 53.	20	
Diameter	Open Hole OR Material (Galvanized, Fibreglass,	Wall Thickness	rom To	Replacement Well	Recommended pump	o depus ( <i>nvity</i>	<sup>25</sup> 53.5	25	
(cm/(Q)	Concrete, Plastic, Steel)	(Citotti)		Test Hole	Recommended pump	rate	20 -		
64"	- Steel	188	+2	Recharge Well Dewatering Well	(1/min / QPM)	Constant	<sup>30</sup> 54.	30	
6"	Open Hole		204   400 (	Observation and/or	Well production (I/min	(GPN)	40 55 a	40	
				Monitoring Hole  Alteration	<b>3</b>		50 56	50	
	· · · · · · · · · · · · · · · · · · ·			(Construction)	Disinfected?			60	
A. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			THE LEGICIES AND ADDRESS OF THE PARTY OF THE	L Abandoned, Insufficient Supply	'XC) Yes No		<u> </u>	1 00	
Outside	Construction Re	ecord - Screen	Donih (m.Wi)	Abandoned, Poor Water Quality	Please provide a map		ell Location	hock	
Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth ( <i>m/ft</i> )	Abandoned, other,	, loudo provido a map	•	poot AD	ouch.	
				specify		·	41		•
				Other, specify	productive to the second secon	عا بيد		• •	
and of the second				.1-1/-1/		MARCHERI		KW	
	Water Det		<del></del>	ole Diameter		CIRC			•
	d at Depth Kind of Water	74 <b>C</b>	ested Depth From	n ( <i>m/ft)</i> Diameter To ( <i>cm/in</i> )	WATER TO THE PARTY OF THE PARTY		-		
	<b>/t</b> ☐ Gas ☐ Other, <i>spe</i> ☐ at Depth Kind of Water		ected			- white the property of the second second second second second second second second second second second second			
ځې ځې ا	(f()) ☐ Gas ☐ Other, spe	<i>y</i> •	e31e0	<u> </u>	The state of the s	A MATTER PROPERTY COMMENTS OF THE PROPERTY OF	1 9	<b>.</b>	The state of the s
reameter than the second contract of the seco	at Depth Kind of Water	MMMM1111111111111111111111111111111111	ested 20	<u>                                     </u>			The state of the s	0~A	
(m	∕ft) ☐Gas ☐Other, spe	cify				The state of the s	CARIP	Co.	
	· · · · · · · · · · · · · · · · · · ·	r and Well Tech	nician Informati		The state of the s	OHD	:		
	me of Well Contractor		. }	l Contractor's Licence No.					
	ck Drilling Co. Ltd. Idress (Street Number/Nar	~- <del></del>	~~~~ <u></u>	1 1 1 9 ricipality	Comments:			<del></del>	***************************************
CDES I	Idress (Street Number/Nar Franktown Road, Ri			Richmond	1/2 HP - 10 (	jon set <i>o</i>	7) (31) ET		
Province	Postal Code	Business E-ma					end" to \$		
ON			-rack(Dsymp:	~~~~~~	Well owner's Date Pa	ickage Delivered		stry Use	Only
	1		cian (Last Name, F		package , a	01309	D3 Audit No.	1 C C	:01N
Well Technicia	an's Licence No. Signature	of Technician and	or Contractor Date	MV4 Submitted	Yes	ork Completed		da este de la composition della  5210	
173	632 KG	× >C \$ \$				013 00	29 NO	Y	2013
0506E (2007/1	2) © Queen's Printer for Onta	ario, 2007	3 1	Ministry's Copy		3 1 3 141 3 141 § 1.	- 3 in Nashasia agail		

Consulti

Tel: Fax: 154 Color

Geotte Ge

ーエー April 13, 2020 File: PE4925-F

Laurier Avenue City of Ottawa
110 Laurier Aver
Ottawa, Ontario
K1P 1J1
K1P 1J1 Authorization Letter, HLUI Search Phase I-Environmental Site Assess 927 March Road, Ottawa ON

Subject:

Dear Sir

Assessment at the aforementione confirmation ntal Site Asses consider this letter as co conduct Please

With this letter, the property owner authorizes the City of Ottawa and bodies to release, to Paterson Group, information requested for the purposan environmental assessment of the property.

f Company/Proper

Signat

8.50 V Je an.

丁



Project Property: 927 March Rd (PE4925)

927 March Rd

Kanata ON K2K 1X7

Project No: 29956

Report Type: Standard Report
Order No: 20200417004

Requested by: Paterson Group Inc.

Date Completed: April 22, 2020

#### **Table of Contents**

Table of Contents	2
Executive Summary	
Executive Summary: Report Summary	
Executive Summary: Site Report Summary - Project Property	
Executive Summary: Site Report Summary - Surrounding Properties	7
Executive Summary: Summary By Data Source	9
Map	11
Aerial	
Topographic Map	13
Detail Report	14
Unplottable Summary	58
Unplottable Report	60
Appendix: Database Descriptions	
Definitions	115

#### Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

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

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

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

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

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

## **Executive Summary**

#### **Property Information:**

Project Property: 927 March Rd (PE4925)

927 March Rd Kanata ON K2K 1X7

Project No: 29956

Coordinates:

 Latitude:
 45.3600417

 Longitude:
 -75.9404444

 UTM Northing:
 5,023,377.87

 UTM Easting:
 426,344.31

UTM Zone: 18T

Elevation: 265 FT

80.88 M

**Order Information:** 

Order No: 20200417004

Date Requested: April 17, 2020

Requested by: Paterson Group Inc.

Report Type: Standard Report

Historical/Products:

## Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	Abandoned Aggregate Inventory	Υ	0	0	0
AGR	Aggregate Inventory	Υ	0	0	0
AMIS	Abandoned Mine Information System	Υ	0	0	0
ANDR	Anderson's Waste Disposal Sites	Υ	0	0	0
AST	Aboveground Storage Tanks	Υ	0	0	0
AUWR	Automobile Wrecking & Supplies	Υ	0	0	0
BORE	Borehole	Υ	0	5	5
CA	Certificates of Approval	Υ	0	0	0
CDRY	Dry Cleaning Facilities	Υ	0	0	0
CFOT	Commercial Fuel Oil Tanks	Υ	0	0	0
CHEM	Chemical Register	Υ	0	0	0
CNG	Compressed Natural Gas Stations	Υ	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Υ	0	0	0
CONV	Compliance and Convictions	Υ	0	0	0
CPU	Certificates of Property Use	Υ	0	0	0
DRL	Drill Hole Database	Υ	0	0	0
EASR	Environmental Activity and Sector Registry	Υ	0	0	0
EBR	Environmental Registry	Υ	0	0	0
ECA	Environmental Compliance Approval	Υ	0	0	0
EEM	Environmental Effects Monitoring	Υ	0	0	0
EHS	ERIS Historical Searches	Υ	0	0	0
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Υ	0	0	0
EPAR	Environmental Penalty Annual Report	Υ	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Υ	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FED TANKS	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	2	2
GHG	Greenhouse Gas Emissions from Large Facilities	Υ	0	0	0
HINC	TSSA Historic Incidents	Υ	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Υ	0	0	0
INC	Fuel Oil Spills and Leaks	Υ	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
LIMO	Landfill Inventory Management Ontario	Υ	0	0	0
MINE	Canadian Mine Locations	Υ	0	0	0
MNR	Mineral Occurrences	Υ	0	0	0
NATE	National Analysis of Trends in Emergencies System	Υ	0	0	0
NCPL	(NATES) Non-Compliance Reports	Υ	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Υ	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal	Υ	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)	Υ	0	0	0
NPCB	National PCB Inventory	Υ	0	0	0
NPRI	National Pollutant Release Inventory	Υ	0	0	0
OGWE	Oil and Gas Wells	Υ	0	0	0
OOGW	Ontario Oil and Gas Wells	Υ	0	0	0
OPCB	Inventory of PCB Storage Sites	Υ	0	0	0
ORD	Orders	Υ	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	Υ	0	0	0
PINC	Pipeline Incidents	Υ	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Υ	0	0	0
PTTW	Permit to Take Water	Υ	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Υ	0	0	0
RSC	Record of Site Condition	Υ	0	0	0
RST	Retail Fuel Storage Tanks	Υ	0	0	0
SCT	Scott's Manufacturing Directory	Υ	0	0	0
SPL	Ontario Spills	Υ	0	0	0
SRDS	Wastewater Discharger Registration Database	Υ	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Υ	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval	Υ	0	0	0
WWIS	Inventory Water Well Information System	Υ	0	9	9
		Total:	0	16	16

## Executive Summary: Site Report Summary - Project Property

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

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

## Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	wwis		lot 3 con 11 KANATA ON <i>Well ID</i> : 1536459	E/31.7	-1.08	<u>14</u>
<u>2</u>	BORE		ON	N/34.5	0.00	<u>20</u>
<u>3</u>	WWIS		lot 12 con 3 ON <i>Well ID:</i> 1516260	E/68.2	-1.00	<u>22</u>
<u>4</u>	WWIS		lot 11 con 4 KANATA ON Well ID: 1536624	NE/79.6	-1.00	<u>25</u>
<u>4</u>	WWIS		lot 11 con 4 KANATA ON	NE/79.6	-1.00	<u>26</u>
<u>5</u>	WWIS		Well ID: 1536625 lot 12 con 3 ON	ESE/126.9	-1.00	<u>32</u>
<u>6</u>	BORE		<b>Well ID:</b> 1503359  ON	SSE/184.5	1.31	<u>35</u>
<u>7</u>	WWIS		lot 12 con 4 ON	ENE/189.5	-1.00	<u>36</u>
<u>8</u>	BORE		<b>Well ID:</b> 1503414  ON	ENE/189.6	-1.00	<u>38</u>
<u>9</u>	BORE		ON	ESE/216.5	-1.00	<u>40</u>
<u>10</u>	BORE		ON	N/225.6	0.08	<u>41</u>
<u>11</u>	wwis		lot 12 con 4 KANATA ON	E/231.1	-1.00	<u>42</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			<b>Well ID:</b> 1536458			
<u>12</u>	WWIS		lot 11 con 4 ON	E/233.1	-1.00	<u>49</u>
			<b>Well ID:</b> 1514785			
<u>13</u>	WWIS		KANATA ON	ESE/238.3	-0.57	<u>52</u>
			<b>Well ID:</b> 7046774			
<u>14</u>	GEN	Kanata Plastic & Cosmetic Surgery	895 March Rd. Kanata ON K2K 1X7	ESE/239.2	0.00	<u>56</u>
<u>14</u>	GEN	Kanata Plastic & Cosmetic Surgery	895 March Rd. Kanata ON K2K 1X7	ESE/239.2	0.00	<u>57</u>

## Executive Summary: Summary By Data Source

#### **BORE** - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 5 BORE site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address ON	<b>Direction</b> N	<b>Distance (m)</b> 34.50	Map Key 2
	ON	SSE	184.52	<u>6</u>
	ON	N	225.56	<u>10</u>
Lower Elevation	Address ON	<u>Direction</u> ENE	<b>Distance (m)</b> 189.59	<u>Map Key</u> <u>8</u>
	ON	ESE	216.50	<u>9</u>

#### **GEN** - Ontario Regulation 347 Waste Generators Summary

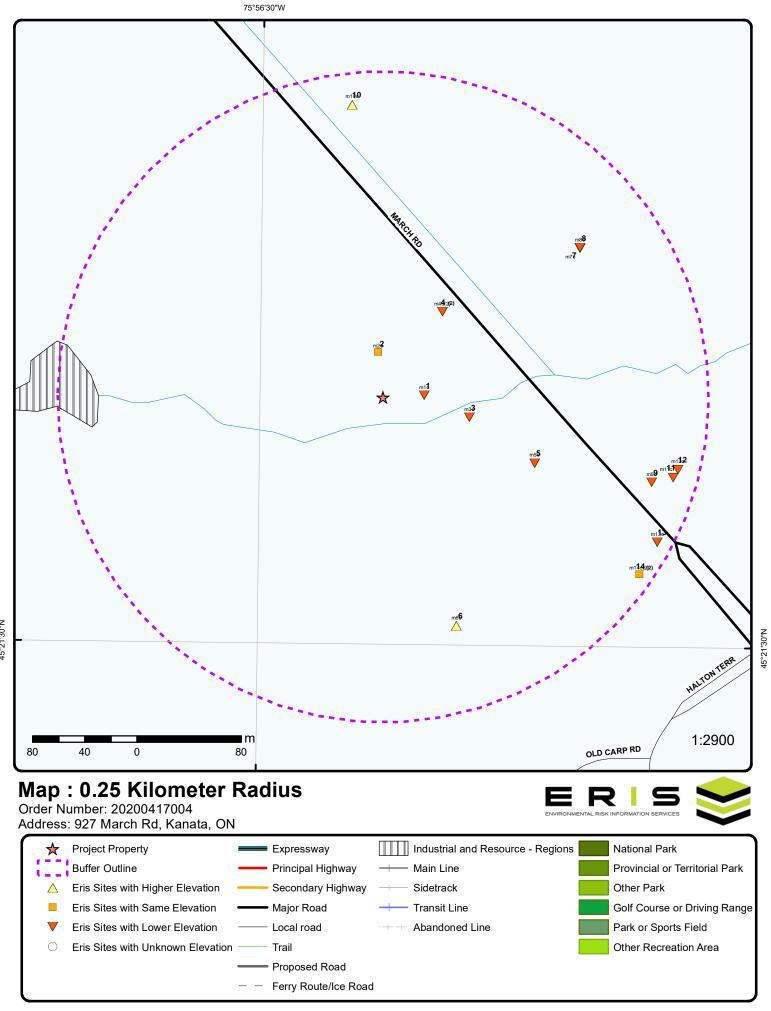
A search of the GEN database, dated 1986-Jan 31, 2020 has found that there are 2 GEN site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	Map Key
Kanata Plastic & Cosmetic Surgery	895 March Rd. Kanata ON K2K 1X7	ESE	239.23	<u>14</u>
Kanata Plastic & Cosmetic Surgery	895 March Rd. Kanata ON K2K 1X7	ESE	239.23	<u>14</u>

#### **WWIS** - Water Well Information System

A search of the WWIS database, dated Feb 28, 2019 has found that there are 9 WWIS site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address  lot 3 con 11 KANATA ON	<u>Direction</u> E	<u>Distance (m)</u> 31.71	Map Key
	Well ID: 1536459  lot 12 con 3 ON  Well ID: 1516260	E	68.16	<u>3</u>
	lot 11 con 4 KANATA ON Well ID: 1536624	NE	79.56	<u>4</u>
	lot 11 con 4 KANATA ON <i>Well ID:</i> 1536625	NE	79.56	<u>4</u>
	lot 12 con 3 ON <i>Well ID:</i> 1503359	ESE	126.93	<u>5</u>
	lot 12 con 4 ON <i>Well ID:</i> 1503414	ENE	189.51	7
	lot 12 con 4 KANATA ON Well ID: 1536458	Е	231.12	<u>11</u>
	lot 11 con 4 ON <i>Well ID:</i> 1514785	Е	233.08	<u>12</u>
	KANATA ON <i>Well ID:</i> 7046774	ESE	238.29	<u>13</u>



Source: © 2015 DMTI Spatial Inc.

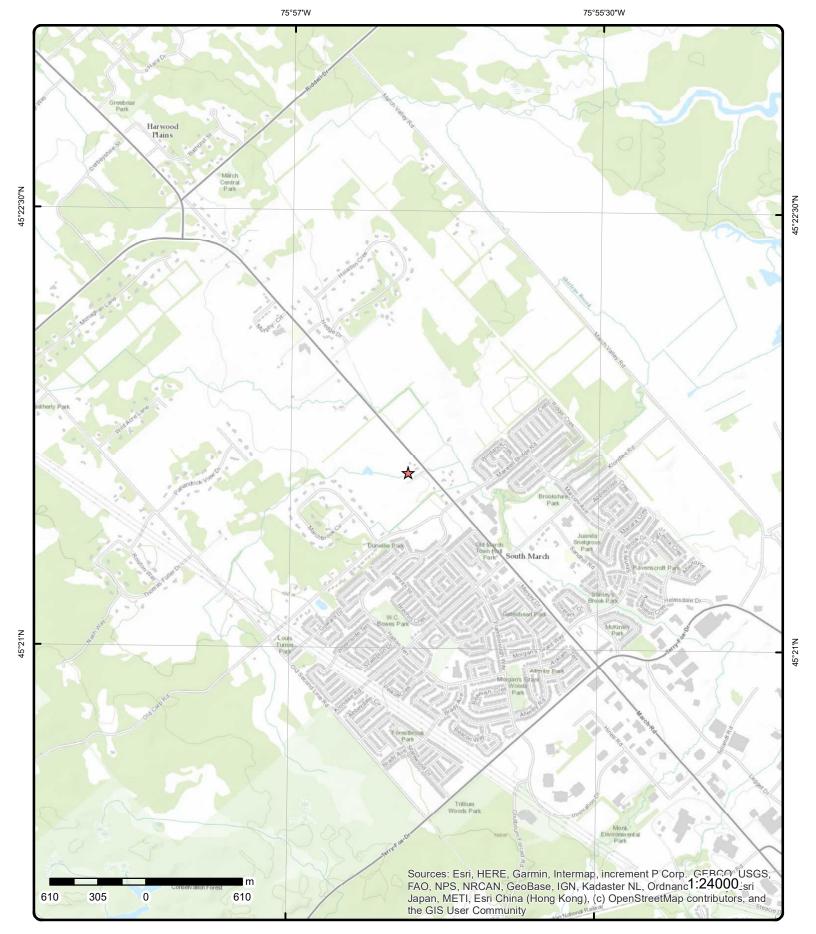
Aerial Year: 2019

Address: 927 March Rd, Kanata, ON

Source: ESRI World Imagery

Order Number: 20200417004





## **Topographic Map**

Address: 927 March Rd, ON

Source: ESRI World Topographic Map

Order Number: 20200417004



© ERIS Information Limited Partnership

## **Detail Report**

Мар Кеу	Numbe Record		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
1	1 of 1		E/31.7	79.8 / -1.08	lot 3 con 11 KANATA ON		wwis
Well ID: Constructic Primary Wa Sec. Water Final Well S Water Type Casing Mate Audit No: Tag: Constructic Elevation (r Elevation (r Elevation R Depth to Be Well Depth: Overburder Pump Rate: Static Wate Flowing (Y/ Flow Rate: Clear/Cloud	ter Use: Use: Status: : erial: on Method: n): eliability: edrock: n/Bedrock: r Level: N):	1536459 Domestic Water St Z46998 A035457	pply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	7/11/2006 Yes 1558 3 927 MARCH RD OTTAWA-CARLETON MARCH TOWNSHIP 003 11 CON	
Bore Hole II	nformation						
Improveme Source Rev Supplier Co	us: esc: d: leted: c: ource Date: nt Location dision Commont:	Method: nent:			Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	78.208  18 426376 5023379 UTM83 3 margin of error : 10 - 30 m wwr	
Materials In Formation I Layer: Color: General Co. Mat1:	D: lor: non Material		933057104 3 2 GREY 18 SANDSTONE 73 HARD				

Order No: 20200417004

Mat3:

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

Other Materials:

Formation Top Depth: 12.19
Formation End Depth: 22.24
Formation End Depth UOM: m

### Overburden and Bedrock

Materials Interval

**Formation ID:** 933057103

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: 73

Other Materials: HARD

Mat3:

Other Materials:

Formation Top Depth: 1.98
Formation End Depth: 12.19
Formation End Depth UOM: m

#### Overburden and Bedrock

Materials Interval

**Formation ID:** 933057102

Layer: 1

Color: 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 79

 Other Materials:
 PACKED

Mat3:

Other Materials:

Formation Top Depth: 0
Formation End Depth: 1.98
Formation End Depth UOM: m

#### Method of Construction & Well

Use

Method Construction ID:

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

#### Pipe Information

 Pipe ID:
 11560132

 Casing No:
 1

Comment: Alt Name:

#### Construction Record - Casing

**Casing ID:** 930879943

Layer: 2 Material: 4

Open Hole or Material:OPEN HOLEDepth From:9.75Depth To:22.24

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

Casing Diameter:

Casing Diameter UOM: cm Casing Depth UOM: m

#### **Construction Record - Casing**

Casing ID: 930879942

Layer: Material:

Open Hole or Material: STEEL -0.45 Depth From: Depth To: 9.75 Casing Diameter: 15.86 Casing Diameter UOM: cm Casing Depth UOM:

#### Results of Well Yield Testing

Pump Test ID: 11569512 Pump Set At: 19.81 Static Level: 3.6 5.05 Final Level After Pumping: Recommended Pump Depth: 15.23 54.6 Pumping Rate:

Flowing Rate:

Recommended Pump Rate: 45.5 Levels UOM: m LPM Rate UOM: Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: 1 **Pumping Duration HR:** 3 30 **Pumping Duration MIN:** 

Flowing:

#### **Draw Down & Recovery**

Pump Test Detail ID: 11624170 Draw Down Test Type:

Test Duration: 2 Test Level: 3.81 Test Level UOM: m

#### **Draw Down & Recovery**

11624174 Pump Test Detail ID: Test Type: Draw Down

Test Duration: Test Level: 3.85 Test Level UOM: m

#### **Draw Down & Recovery**

Pump Test Detail ID: 11624176 Test Type: Draw Down

Test Duration: Test Level: 3.87 Test Level UOM: m

#### **Draw Down & Recovery**

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

 Pump Test Detail ID:
 11624516

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 4.36

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11624520

 Test Type:
 Draw Down

 Test Duration:
 50

 Test Level:
 4.57

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11624172

 Test Type:
 Draw Down

 Test Duration:
 3

 Test Level:
 3.81

m

#### **Draw Down & Recovery**

Test Level UOM:

 Pump Test Detail ID:
 11624177

 Test Type:
 Recovery

 Test Duration:
 5

 Test Level:
 4.75

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11624523

 Test Type:
 Recovery

 Test Duration:
 60

 Test Level:
 4.08

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11624171

 Test Type:
 Recovery

 Test Duration:
 2

 Test Level:
 4.85

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11624180

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 4.13

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11624514

 Test Type:
 Draw Down

 Test Duration:
 25

 Test Level:
 4.3

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

Test Level UOM:

Draw Down & Recovery

 Pump Test Detail ID:
 11624515

 Test Type:
 Recovery

 Test Duration:
 25

 Test Level:
 4.37

 Test Level UOM:
 m

m

**Draw Down & Recovery** 

 Pump Test Detail ID:
 11624169

 Test Type:
 Recovery

 Test Duration:
 1

 Test Level:
 4.9

 Test Level UOM:
 m

**Draw Down & Recovery** 

 Pump Test Detail ID:
 11624173

 Test Type:
 Recovery

 Test Duration:
 3

 Test Level:
 4.82

 Test Level UOM:
 m

**Draw Down & Recovery** 

 Pump Test Detail ID:
 11624178

 Test Type:
 Draw Down

 Test Duration:
 10

 Test Level:
 4.03

 Test Level UOM:
 m

**Draw Down & Recovery** 

 Pump Test Detail ID:
 11624181

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 4.52

 Test Level UOM:
 m

**Draw Down & Recovery** 

 Pump Test Detail ID:
 11624513

 Test Type:
 Recovery

 Test Duration:
 20

 Test Level:
 4.45

 Test Level UOM:
 m

**Draw Down & Recovery** 

 Pump Test Detail ID:
 11624519

 Test Type:
 Recovery

 Test Duration:
 40

 Test Level:
 4.22

 Test Level UOM:
 m

**Draw Down & Recovery** 

 Pump Test Detail ID:
 11624522

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 4.66

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11624175

 Test Type:
 Recovery

 Test Duration:
 4

 Test Level:
 4.78

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11624179

 Test Type:
 Recovery

 Test Duration:
 10

 Test Level:
 4.61

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11624512

 Test Type:
 Draw Down

 Test Duration:
 20

 Test Level:
 4.22

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11624517

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 4.31

 Test Level UOM:
 m

#### Draw Down & Recovery

 Pump Test Detail ID:
 11624518

 Test Type:
 Draw Down

 Test Duration:
 40

 Test Level:
 4.47

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11624521

 Test Type:
 Recovery

 Test Duration:
 50

 Test Level:
 4.15

 Test Level UOM:
 m

#### **Draw Down & Recovery**

Pump Test Detail ID: 11624168
Test Type: Draw Down

Test Duration: 1

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

Test Level: 3.73
Test Level UOM: m

Water Details

*Water ID:* 934077246

Layer:

Kind Code:

Kind:

Water Found Depth: 19.81
Water Found Depth UOM: m

Water Details

*Water ID:* 934077247

Layer:

Kind Code: Kind:

Water Found Depth: 14.02
Water Found Depth UOM: m

Water Details

*Water ID:* 934077245

Layer:

Kind Code: Kind:

Water Found Depth: 21.94
Water Found Depth UOM: m

**Hole Diameter** 

 Hole ID:
 11681233

 Diameter:
 15.55

 Depth From:
 9.75

 Depth To:
 22.24

 Hole Depth UOM:
 m

 Hole Diameter UOM:
 cm

Hole Diameter

 Hole ID:
 11681232

 Diameter:
 22.75

 Depth From:
 0

 Depth To:
 9.75

 Hole Depth UOM:
 m

 Hole Diameter UOM:
 cm

2 1 of 1 N/34.5 80.9 / 0.00 ON BORE

Piezometer:

No

Order No: 20200417004

Borehole ID: 609830 Inclin FLG: No

OGF ID:215511445SP Status:Initial EntryStatus:Surv Elev:No

Type: Borehole

Use: Primary Name: Completion Date: Municipality:

Static Water Level: 4.3 Lot:
Primary Water Use: Township:

 Sec. Water Use:
 Latitude DD:
 45.36035

 Total Depth m:
 -999
 Longitude DD:
 -75.940497

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

Depth Ref: Ground Surface

Depth Elev: Drill Method:

Orig Ground Elev m: 77.7

Elev Reliabil Note:

**DEM Ground Elev m:** 80.6

Concession: Location D: Survey D: Comments: **UTM Zone:** 18

**Easting:** 426341 **Northing:** 5023412

Location Accuracy:

Mat Consistency:

Material Moisture:

Material Texture:

Geologic Period:

Depositional Gen:

Mat Consistency:

Material Moisture:

Material Texture:

Geologic Group:

Geologic Period:

Depositional Gen:

Non Geo Mat Type:

Geologic Formation:

Non Geo Mat Type:

Geologic Formation: Geologic Group:

Accuracy: Not Applicable

#### **Borehole Geology Stratum**

Geology Stratum ID: 218384194
Top Depth: 3.7
Bottom Depth: 11.6
Material Color:

Material 1: Bedrock
Material 2: Limestone
Material 3:
Material 4:

Gsc Material Description:

Stratum Description: BEDROCK,LIMESTONE.

Geology Stratum ID: 218384195
Top Depth: 11.6
Bottom Depth:

Material Color:
Material 1:
Bedrock
Material 2:
Sandstone
Material 3:
Material 4:

Gsc Material Description:

Stratum Description: BEDROCK, SANDSTONE. WATER STABLE AT 241.0 FEET.BLACK. LIMESTONE. BLUE. SANDSTONE. BLACK.

L \*\*Note: Many records provided by the department have a truncated [Stratum Description] field.

Order No: 20200417004

Geology Stratum ID: 218384193 Mat Consistency:
Top Depth: 0 Material Moisture:
Bottom Depth: 3.7 Material Texture:
Material Color: Non Geo Mat Type:
Material 1: Clay Geologic Formation
Material 2: Created

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

Gsc Material Description:

Stratum Description: CLAY,GRAVEL.

#### Source

Source Type: Data Survey Source Appl: Spatial/Tabular

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

Observatio: Verticalda: Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 023380 NTS\_Sheet: 31G05D

Confiden 1: Reliable information but incomplete.

Source List

Source Identifier: 1 Horizontal Datum: NAD27

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

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

Scale or Resolution: Varies

Urban Geology Automated Information System (UGAIS) Source Name:

Source Originators: Geological Survey of Canada

1 of 1 E/68.2 79.9 / -1.00 lot 12 con 3 3 **WWIS** 

Well ID: 1516260

**Construction Date:** 

Primary Water Use: Domestic

Sec. Water Use:

Final Well Status: Water Supply

Water Type: Casing Material:

Audit No: Tag: **Construction Method:** 

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

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

Clear/Cloudy:

Data Entry Status:

Data Src:

11/17/1977 Date Received: Yes

Selected Flag:

Abandonment Rec:

Contractor: 1558 Form Version:

Owner: Street Name:

County: OTTAWA-CARLETON MARCH TOWNSHIP Municipality: Site Info:

Lot: 012 Concession: 03 Concession Name: CON

Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

**Bore Hole Information** 

Bore Hole ID: 10038190 11

DP2BR: Spatial Status:

Code OB:

Code OB Desc: **Bedrock** 

Open Hole:

Cluster Kind:

Date Completed: 10/4/1977

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Elevation: 77.210594

Elevrc:

18 Zone: 426410.6 East83: North83: 5023362

Org CS:

UTMRC:

**UTMRC Desc:** margin of error: 30 m - 100 m

Order No: 20200417004

Location Method:

Overburden and Bedrock

Formation End Depth UOM:

**Materials Interval** 

Formation ID: 931031604

Layer: Color: **BROWN** General Color: Mat1. 05 Most Common Material: CLAY

Mat2: 13

Other Materials: **BOULDERS** Mat3: 79 Other Materials: **PACKED** Formation Top Depth: 9 Formation End Depth: 11

ft

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

Overburden and Bedrock

Materials Interval

**Formation ID:** 931031605

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

**Mat2:** 18

Other Materials: SANDSTONE

Mat3:73Other Materials:HARDFormation Top Depth:11Formation End Depth:35Formation End Depth UOM:ft

Overburden and Bedrock

**Materials Interval** 

**Formation ID:** 931031606

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 18

Most Common Material: SANDSTONE

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 35
Formation End Depth: 115
Formation End Depth UOM: ft

Overburden and Bedrock

**Materials Interval** 

**Formation ID:** 931031603

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 79

 Other Materials:
 PACKED

Mat3:

Other Materials:

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

Method of Construction & Well

<u>Use</u>

Method Construction ID:

Method Construction Code:

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

**Pipe ID:** 10586760

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

Casing No:

Comment: Alt Name:

#### **Construction Record - Casing**

**Casing ID:** 930067186

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

**Depth To:** 115

Casing Diameter:

Casing Diameter UOM: inch Casing Depth UOM: ft

#### **Construction Record - Casing**

**Casing ID:** 930067185

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

Depth From:

Depth To:22Casing Diameter:6Casing Diameter UOM:inchCasing Depth UOM:ft

#### Results of Well Yield Testing

**Pump Test ID:** 991516260

Pump Set At:

Static Level: 20 Final Level After Pumping: 70 Recommended Pump Depth: 75 Pumping Rate: 15 Flowing Rate: Recommended Pump Rate: 5 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: Water State After Test: CLEAR Pumping Test Method: **Pumping Duration HR:** 1 Pumping Duration MIN: 0 Flowing: Ν

#### **Draw Down & Recovery**

Pump Test Detail ID:934898808Test Type:Draw Down

Test Duration: 60
Test Level: 70
Test Level UOM: ft

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 934379814

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 70

 Test Level UOM:
 ft

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

**Draw Down & Recovery** 

Pump Test Detail ID: 934640906 Test Type: Draw Down

Test Duration: 45 70 Test Level: ft Test Level UOM:

**Draw Down & Recovery** 

Pump Test Detail ID: 934101771 Test Type: Draw Down

Test Duration: 15 Test Level: 70 Test Level UOM: ft

Water Details

Water ID: 933472534

Layer: Kind Code:

Kind: **FRESH** Water Found Depth: 113 Water Found Depth UOM:

NE/79.6 4 1 of 2 79.9 / -1.00 lot 11 con 4 KANATA ON

Well ID: 1536624

**Construction Date:** Primary Water Use:

Sec. Water Use: Final Well Status: Abandoned-Other

Water Type:

Casing Material:

Audit No: Z47023

Tag: **Construction Method:** 

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

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

Clear/Cloudy:

Concession: Overburden/Bedrock: Concession Name:

Easting NAD83: Northing NAD83:

Data Entry Status:

Abandonment Rec:

8/25/2006

941 MARCH RD

**OTTAWA-CARLETON** 

MARCH TOWNSHIP

Yes

Yes

1558

3

011

04

CON

Date Received:

Selected Flag:

Form Version:

Street Name:

Municipality:

Contractor:

Owner:

County:

Site Info:

Lot:

Data Src:

**WWIS** 

Order No: 20200417004

Zone:

UTM Reliability:

**Bore Hole Information** 

Bore Hole ID: 11550690 Elevation: 79.6119

DP2BR: Elevrc: Spatial Status: Zone: 18 426390 Code OB: East83:

Code OB Desc: No formation data North83: 5023443 Open Hole: Org CS: UTM83 UTMRC: Cluster Kind: 3

Date Completed: 7/20/2006 UTMRC Desc: margin of error: 10 - 30 m

Remarks: Location Method: wwr Elevrc Desc:

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

Location Source Date:

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

Pipe Information

**Pipe ID:** 11560297

Casing No: Comment: Alt Name:

4 2 of 2 NE/79.6 79.9 / -1.00 lot 11 con 4 WWIS

*Well ID:* 1536625

Construction Date:

Primary Water Use: Domestic

Sec. Water Use: Final Well Status: Water Supply

Water Type: Casing Material:

Audit No: Z47021

*Tag:* A041907

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

Overburden/Bedrock:

Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy: Data Entry Status:

Data Src:

Date Received: 8/25/2006 Selected Flag: Yes

Abandonment Rec:

Contractor: 1558 Form Version: 3

Owner:

Street Name: 941 MARCH RD
County: OTTAWA-CARLETON
Municipality: MARCH TOWNSHIP
Site Info:

 Lot:
 011

 Concession:
 04

 Concession Name:
 CON

Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

**Bore Hole Information** 

**Bore Hole ID:** 11550691

**DP2BR:** 9

Spatial Status: Code OB:

Code OB Desc: Bedrock

Open Hole:

Cluster Kind:

**Date Completed:** 7/18/2006

Remarks:

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

**Formation ID:** 933067350

 Layer:
 2

 Color:
 2

 General Color:
 GREY

**Elevation:** 79.6119

Elevrc:

 Zone:
 18

 East83:
 426390

 North83:
 5023443

 Org CS:
 UTM83

UTMRC: 3

UTMRC Desc: margin of error : 10 - 30 m

Order No: 20200417004

Location Method: wwr

**Mat1:** 15

LIMESTONE

Most Common Material:

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 2.74
Formation End Depth: 11.58
Formation End Depth UOM: m

Overburden and Bedrock

**Materials Interval** 

**Formation ID:** 933067351

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 18

Most Common Material: SANDSTONE

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 11.58
Formation End Depth: 22.24
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

**Formation ID:** 933067349

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 0 Formation End Depth: 2.74 Formation End Depth UOM: m

Method of Construction & Well

<u>Use</u>

Method Construction ID:

Method Construction Code:

Method Construction: Rotary (Air)

**Other Method Construction:** 

Pipe Information

**Pipe ID:** 11560298

Casing No: Comment: Alt Name:

Construction Record - Casing

**Casing ID:** 930885343

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

 Depth From:
 6.4

 Depth To:
 22.24

Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM:

cm m

#### **Construction Record - Casing**

**Casing ID:** 930885342

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 -0.45

 Depth To:
 6.4

 Casing Diameter:
 15.86

 Casing Diameter UOM:
 cm

 Casing Depth UOM:
 m

# Results of Well Yield Testing

 Pump Test ID:
 11569622

 Pump Set At:
 18.28

Static Level:

Final Level After Pumping: 7.01
Recommended Pump Depth: 15.23
Pumping Rate: 50.05

 Flowing Rate:
 45.5

 Recommended Pump Rate:
 45.5

 Levels UOM:
 m

 Rate UOM:
 LPM

 Water State After Test Code:
 1

 Water State After Test:
 CLEAR

Pumping Test Method:
Pumping Duration HR: 1
Pumping Duration MIN: 0

Flowing:

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11669564

 Test Type:
 Recovery

 Test Duration:
 2

 Test Level:
 5.41

 Test Level UOM:
 m

# **Draw Down & Recovery**

 Pump Test Detail ID:
 11669568

 Test Type:
 Recovery

 Test Duration:
 4

 Test Level:
 5.36

 Test Level UOM:
 m

#### **Draw Down & Recovery**

Pump Test Detail ID:11669574Test Type:RecoveryTest Duration:15Test Level:5.16

Test Level UOM:

#### **Draw Down & Recovery**

Pump Test Detail ID: 11669580 Test Type: Recovery Test Duration: 30 5.1 Test Level: Test Level UOM: m

m

# **Draw Down & Recovery**

Pump Test Detail ID: 11669578 Test Type: Recovery Test Duration: 25 Test Level: 5.12 Test Level UOM: m

#### **Draw Down & Recovery**

Pump Test Detail ID: 11669583 Draw Down Test Type: Test Duration: 50 6.94 Test Level: Test Level UOM:

#### **Draw Down & Recovery**

11669584 Pump Test Detail ID: Test Type: Recovery Test Duration: 50 Test Level: 5.04 Test Level UOM: m

# **Draw Down & Recovery**

11669586 Pump Test Detail ID: Test Type: Recovery Test Duration: 60 5.02 Test Level: Test Level UOM:

#### **Draw Down & Recovery**

11669562 Pump Test Detail ID: Test Type: Recovery Test Duration: 1 Test Level: 5.46 Test Level UOM: m

# **Draw Down & Recovery**

Pump Test Detail ID: 11669571 Draw Down Test Type: Test Duration: 10 Test Level: 6.5 Test Level UOM: m

# **Draw Down & Recovery**

 Pump Test Detail ID:
 11669585

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 7.01

 Test Level UOM:
 m

#### **Draw Down & Recovery**

Pump Test Detail ID: 11669563
Test Type: Draw Down
Test Duration: 2

Test Level: 6.08
Test Level UOM: m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11669566

 Test Type:
 Recovery

 Test Duration:
 3

 Test Level:
 5.39

 Test Level UOM:
 m

#### **Draw Down & Recovery**

Pump Test Detail ID:11669567Test Type:Draw DownTest Duration:4

Test Level: 6.3
Test Level UOM: m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11669570

 Test Type:
 Recovery

 Test Duration:
 5

 Test Level:
 5.34

 Test Level UOM:
 m

# Draw Down & Recovery

 Pump Test Detail ID:
 11669572

 Test Type:
 Recovery

 Test Duration:
 10

 Test Level:
 5.23

 Test Level UOM:
 m

# Draw Down & Recovery

 Pump Test Detail ID:
 11669573

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 6.62

 Test Level UOM:
 m

#### **Draw Down & Recovery**

Pump Test Detail ID: 11669569
Test Type: Draw Down

Test Duration: 5

Test Level: 6.35
Test Level UOM: m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11669575

 Test Type:
 Draw Down

 Test Duration:
 20

 Test Level:
 6.69

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11669579

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 6.79

 Test Level UOM:
 m

# **Draw Down & Recovery**

 Pump Test Detail ID:
 11669582

 Test Type:
 Recovery

 Test Duration:
 40

 Test Level:
 5.07

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11669581

 Test Type:
 Draw Down

 Test Duration:
 40

 Test Level:
 6.88

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11669561

 Test Type:
 Draw Down

 Test Duration:
 1

 Test Level:
 5.83

 Test Level UOM:
 m

# **Draw Down & Recovery**

 Pump Test Detail ID:
 11669565

 Test Type:
 Draw Down

 Test Duration:
 3

 Test Level:
 6.21

 Test Level UOM:
 m

# **Draw Down & Recovery**

 Pump Test Detail ID:
 11669576

 Test Type:
 Recovery

 Test Duration:
 20

 Test Level:
 5.14

 Test Level UOM:
 m

**Draw Down & Recovery** 

11669577 Pump Test Detail ID: Test Type: Draw Down Test Duration: 25 6.76 Test Level: Test Level UOM: m

Water Details

934079370 Water ID:

Layer:

Kind Code: Kind:

Water Found Depth: 20.72 Water Found Depth UOM: m

**Hole Diameter** 

Hole ID: 11681418 Diameter: 15.23 Depth From: 6.4 Depth To: 22.24 Hole Depth UOM: m Hole Diameter UOM: cm

Hole Diameter

5

11681419 Hole ID: Diameter: 22.75 Depth From: 0 Depth To: 6.4 Hole Depth UOM: m Hole Diameter UOM: cm

1503359 Well ID:

**Construction Date:** 

Primary Water Use: Domestic Sec. Water Use:

1 of 1

Water Supply Final Well Status:

Water Type: Casing Material: Audit No: Tag:

**Construction Method:** 

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

Overburden/Bedrock:

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

Clear/Cloudy:

ESE/126.9

79.9 / -1.00

**Bore Hole Information** 

Bore Hole ID: 10025402 Elevation: 79.530921

lot 12 con 3 **WWIS** ON

Data Entry Status:

Data Src:

1/17/1964 Date Received: Selected Flag: Yes Abandonment Rec: 3504

Contractor:

Form Version: Owner:

Street Name:

County: **OTTAWA-CARLETON** Municipality: MARCH TOWNSHIP

Site Info:

012 Lot: 03 Concession: CON Concession Name:

Easting NAD83: Northing NAD83: Zone:

Elevrc:

East83:

North83:

Org CS:

UTMRC:

**UTMRC Desc:** 

Location Method:

18 426460.6

5

5023327

margin of error: 100 m - 300 m

Order No: 20200417004

Zone:

**DP2BR**: 12

Spatial Status:
Code OB: r
Code OB Desc: Bedrock

Open Hole: Cluster Kind:

Date Completed: 5/23/1963

Remarks:

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

#### Overburden and Bedrock

**Materials Interval** 

**Formation ID:** 930996657

Layer: Color:

General Color:

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 11

 Other Materials:
 GRAVEL

Mat3:12Other Materials:STONESFormation Top Depth:0Formation End Depth:12

ft

Formation End Depth UOM:

Overburden and Bedrock

**Materials Interval** 

**Formation ID:** 930996659

Layer: 3

Color:

General Color:

**Mat1:** 18

Most Common Material: SANDSTONE

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 38
Formation End Depth: 60
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

**Formation ID:** 930996658

Layer: 2

Color:

General Color:

**Mat1:** 15

Most Common Material: LIMESTONE

Mat2: Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 12

Formation End Depth: 38
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10573972

 Casing No:
 1

Comment: Alt Name:

**Construction Record - Casing** 

**Casing ID:** 930043556

Layer: 2
Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:60Casing Diameter:6Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

**Casing ID:** 930043555

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To: 20
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

**Pump Test ID:** 991503359

Pump Set At:

Static Level: 15
Final Level After Pumping: 40
Recommended Pump Depth: 50
Pumping Rate: 5
Flowing Rate:

Recommended Pump Rate: 5
Levels UOM: ft

Rate UOM:

Water State After Test Code:

Water State After Test:

CLEAR

Pumping Test Method:

1

Pumping Duration HR:

1

Pumping Duration MIN: 0
Flowing: N

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

Water Details

933456253 Water ID: Layer: Kind Code: **FRESH** Kind:

Water Found Depth: 60 Water Found Depth UOM: ft

1 of 1 6 SSE/184.5 82.2 / 1.31 **BORE** ON

45.358466

Order No: 20200417004

Borehole ID: 609824 Inclin FLG: No OGF ID: 215511439 SP Status: Initial Entry Status: Surv Elev: No No

**Borehole** Piezometer: Type: Use: Primary Name: Completion Date: Municipality:

Static Water Level: 1.2 Lot: Primary Water Use: Township: Sec. Water Use: Latitude DD:

Total Depth m: -999 Longitude DD: -75.9397 **Ground Surface** UTM Zone: Depth Ref: 18

Depth Elev: Easting: 426401 Northing: Drill Method: 5023202

Location Accuracy: Orig Ground Elev m: 80.8 Elev Reliabil Note: Accuracy:

Not Applicable DEM Ground Elev m: 80

Concession: Location D: Survey D: Comments:

**Borehole Geology Stratum** 

Geology Stratum ID: 218384178 Mat Consistency: Top Depth: Material Moisture: 0 **Bottom Depth:** 3.4 Material Texture: Material Color: Non Geo Mat Type: Material 1: Clay Geologic Formation:

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

Gsc Material Description:

Stratum Description: CLAY.

Geology Stratum ID: 218384179 Mat Consistency: Material Moisture: Top Depth: 3.4 **Bottom Depth:** Material Texture:

Material Color: Black Non Geo Mat Type: Material 1: **Bedrock** Geologic Formation: Material 2: Granite Geologic Group: Material 3: Geologic Period: Depositional Gen: Material 4:

Gsc Material Description:

BEDROCK, GRANITE. WATER STABLE AT 261.0 FEET. VELOCITY = 14600. FEET. BLACK. LIMESTONE. Stratum Description:

Source

Source Type: **Data Survey** Source Appl: Spatial/Tabular

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

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

Observatio: Verticalda: Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS) File: OTTAWA1.txt RecordID: 023320 NTS\_Sheet: 31G05D Source Details:

Reliable information but incomplete. Confiden 1:

Source List

NAD27 Source Identifier: Horizontal Datum:

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

Scale or Resolution: Varies

Urban Geology Automated Information System (UGAIS) Source Name:

Source Originators: Geological Survey of Canada

7 1 of 1 ENE/189.5 79.9 / -1.00 lot 12 con 4 **WWIS** ON

1503414 Well ID: Data Entry Status:

Construction Date: Data Src:

7/6/1964 Primary Water Use: **Domestic** Date Received: Sec. Water Use: Selected Flag: Yes

Final Well Status: Water Supply Abandonment Rec: 1503 Contractor:

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

Street Name: Tag:

Construction Method: County: OTTAWA-CARLETON Elevation (m): Municipality: MARCH TOWNSHIP Elevation Reliability: Site Info:

Depth to Bedrock: Lot: 012 Well Depth: Concession: 04

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

Flowing (Y/N): Zone:

UTM Reliability: Flow Rate: Clear/Cloudy:

**Bore Hole Information** 

Bore Hole ID: Elevation: 77.91204 10025457

DP2BR: Elevrc: Spatial Status: Zone: 18

Code OB: East83: 426495.6 Code OB Desc: **Bedrock** North83: 5023492 Open Hole: Org CS:

UTMRC: Cluster Kind:

2/6/1964 UTMRC Desc: margin of error: 100 m - 300 m Date Completed:

Order No: 20200417004

р5 Remarks: Location Method:

Elevrc Desc:

Location Source Date: Improvement Location Source:

Supplier Comment:

Overburden and Bedrock **Materials Interval** 

Improvement Location Method: Source Revision Comment:

Formation ID: 930996777

2 Layer:

Color:

General Color:

*Mat1:* 18

Most Common Material: SANDSTONE

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 9
Formation End Depth: 40
Formation End Depth UOM: ft

Overburden and Bedrock

**Materials Interval** 

**Formation ID:** 930996776

Layer:

Color:

General Color:

Mat1:05Most Common Material:CLAYMat2:13

Other Materials: BOULDERS

Mat3:

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

Overburden and Bedrock

Materials Interval

**Formation ID:** 930996778

Layer: 3

Color:

General Color:

**Mat1:** 21

Most Common Material: GRANITE

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 40
Formation End Depth: 51
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:

Method Construction Code:

Method Construction: Cable Tool

**Other Method Construction:** 

Pipe Information

**Pipe ID:** 10574027

Casing No:

Comment: Alt Name:

Construction Record - Casing

Map Key	Number of	Direction/	Elev/Diff	Site		DB
	Records	Distance (m)	(m)			
Casing ID:		930043664				_
Layer:		2				
Material:		4				
Open Hole of	r Material:	OPEN HOLE				
Depth From:						
Depth To:		51				
Casing Diam	eter:	5				
Casing Diam		inch				
Casing Depti	n UOM:	ft				
Construction	Record - Casing					
Casing ID:		930043663				
Layer:		1				
Material:		1				
Open Hole of	r Material:	STEEL				
Depth From:		-				
Depth To:		18				
Casing Diam	eter:	5				
Casing Diam		inch				
Casing Depti	h UOM:	ft				
Results of W	ell Yield Testing					
Pump Test IL	) <i>:</i>	991503414				
Pump Set At						
Static Level:		11				
Final Level A	fter Pumping:	11				
	ed Pump Depth:	40				
Pumping Rat	e:	10				
Flowing Rate						
	ed Pump Rate:	5				
Levels UOM:		ft				
Rate UOM:		GPM				
	After Test Code:	2				
Water State		CLOUDY				
Pumping Tes		1				
Pumping Du		1				
Pumping Du	ration WIN:	0 N				
Flowing:		IN				
Water Details	i					
Water ID:		933456319				
Layer:		1				
Kind Code:		1				
Kind:		FRESH				
Water Found	Depth:	50				
Water Found	Depth UOM:	ft				
8	1 of 1	ENE/189.6	79.9 / -1.00			
<u>=</u>	. 0	103.0	70.0 / -1.00	ON		BORE
Borehole ID:	60983	33		Inclin FLG:	No	
OGF ID:	21551	1448		SP Status:	Initial Entry	

8	1 of 1	ENE/189.6	79.9 / <b>-</b> 1.00			BORE
_				ON		BORE
Borehole ID:	:	609833		Inclin FLG:	No	
OGF ID:		215511448		SP Status:	Initial Entry	
Status:				Surv Elev:	No	
Type:		Borehole		Piezometer:	No	
Use:				Primary Name:		
Completion	Date:	FEB-1964		Municipality:		
Static Water	Level:	5.8		Lot:		
Primary Wat	er Use:			Township:		
Sec. Water L	Jse:			Latitude DD:	45.361086	

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

-75.93853 15.5 Longitude DD:

Total Depth m: Depth Ref: **Ground Surface** UTM Zone: 18 426496 Depth Elev: Easting: 5023492 Northina:

Drill Method: Orig Ground Elev m: 79.2 Location Accuracy:

Elev Reliabil Note: Accuracy: Not Applicable **DEM Ground Elev m:** 77.9 Concession:

Location D: Survey D: Comments:

**Borehole Geology Stratum** 

Geology Stratum ID: 218384199 Mat Consistency: Top Depth: Material Moisture: 0 Bottom Depth: Material Texture: 2.7 Material Color: Non Geo Mat Type: Material 1: Clay Geologic Formation:

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

Gsc Material Description:

CLAY, BOULDERS. Stratum Description:

Geology Stratum ID: 218384200 Mat Consistency: Top Depth: 2.7 Material Moisture: **Bottom Depth:** 12.2 Material Texture: Material Color: Non Geo Mat Type: Material 1: Sandstone Geologic Formation:

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

Gsc Material Description:

Stratum Description: SANDSTONE.

218384201 Geology Stratum ID: Mat Consistency: Top Depth: 12.2 Material Moisture: Bottom Depth: 15.5 Material Texture: Material Color: Black Non Geo Mat Type: Material 1: Granite Geologic Formation: Material 2: Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

GRANITE. 00050STONE. WATER STABLE AT 241.0 FEET.BLACK. LIMESTONE. BLUE. SANDSTONE. BLA Stratum Description:

\*\*Note: Many records provided by the department have a truncated [Stratum Description] field.

Order No: 20200417004

**Source** 

Source Type: Data Survey Source Appl: Spatial/Tabular

Source Orig: Geological Survey of Canada Source Iden: 1 Source Date: 1956-1972 Scale or Res: Varies Confidence: Horizontal: NAD27

Observatio: Verticalda: Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS)

Confiden 1:

Source Details: File: OTTAWA1.txt RecordID: 02341 NTS\_Sheet:

Source List

Source Identifier: Horizontal Datum: NAD27

Source Type: **Data Survey** Vertical Datum: Mean Average Sea Level

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

Records Distance (m)

1956-1972 Projection Name: Source Date: Universal Transverse Mercator Scale or Resolution: Varies

Urban Geology Automated Information System (UGAIS) Source Name:

Source Originators: Geological Survey of Canada

9 1 of 1 ESE/216.5 79.9 / -1.00 **BORE** ON

Borehole ID: 609827 Inclin FLG: No

OGF ID: SP Status: Initial Entry 215511442

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

Primary Name: Use: Completion Date: Municipality:

Static Water Level: Lot: Primary Water Use: Township: Sec. Water Use: Latitude DD:

45.359472 -999 Total Depth m: Longitude DD: -75.937801 Depth Ref: **Ground Surface** UTM Zone: 18

Depth Elev: Easting: 426551 5023312 Drill Method: Northing:

Orig Ground Elev m: 76.2 Location Accuracy:

Elev Reliabil Note: Accuracy: Not Applicable DEM Ground Elev m: 78.2

Concession: Location D: Survey D: Comments:

# **Borehole Geology Stratum**

Geology Stratum ID: 218384186 Mat Consistency: Top Depth: Material Moisture: 0 Bottom Depth: .3 Material Texture: Material Color: Non Geo Mat Type: Soil Material 1:

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

Gsc Material Description:

Stratum Description: SOIL.

218384188 Geology Stratum ID: Mat Consistency: Top Depth: 2.4 Material Moisture: **Bottom Depth:** Material Texture:

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

Gsc Material Description:

Stratum Description: BEDROCK, SANDSTONE. STONE. 64 VELOCITY = 14600. FEET.BLACK. LIMESTONE. BLUE. S \*\*Note: Many

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

Order No: 20200417004

218384187 Geology Stratum ID: Mat Consistency: Top Depth: Material Moisture: .3 **Bottom Depth:** 2.4 Material Texture: Material Color: Non Geo Mat Type:

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

Gsc Material Description:

Stratum Description: CLAY. Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

Source

Source Type: Data Survey Source Appl: Spatial/Tabular

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

Observatio: Verticalda: Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 023350 NTS\_Sheet: 31G05D

**Confiden 1:** Reliable information but incomplete.

Source List

Source Identifier: 1 Horizontal Datum: NAD27

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

Scale or Resolution: Varies

Source Name: Urban Geology Automated Information System (UGAIS)

Source Originators: Geological Survey of Canada

10 1 of 1 N/225.6 81.0 / 0.08
ON
BORE

No

45.362058

Order No: 20200417004

Borehole ID: 609835 Inclin FLG: No

 OGF ID:
 215511450
 SP Status:
 Initial Entry

 Status:
 Surv Elev:
 No

Type: Borehole Piezometer:

Use: Primary Name:
Completion Date: Municipality:
Static Water Level: 8.2 Lot:

Primary Water Use: Township:

Sec. Water Use:

Total Depth m: -999

Longitude DD:

Longitude DD:

 Total Depth m:
 -999
 Longitude DD:
 -75.940781

 Depth Ref:
 Ground Surface
 UTM Zone:
 18

 Depth Elev:
 Easting:
 426321

 Drill Method:
 Northing:
 5023602

Orig Ground Elev m: 79.2 Location Accuracy:

Elev Reliabil Note: Accuracy: Not Applicable

Concession: Location D: Survey D: Comments:

**DEM Ground Elev m:** 

**Borehole Geology Stratum** 

Geology Stratum ID:218384206Mat Consistency:Top Depth:2.7Material Moisture:Bottom Depth:12.2Material Texture:Material Color:Non Geo Mat Type:

 Material 1:
 Bedrock
 Geologic Formation:

 Material 2:
 Sandstone
 Geologic Group:

 Material 3:
 Geologic Period:

 Material 4:
 Depositional Gen:

Gsc Material Description:

Stratum Description: BEDROCK, SANDSTONE.

79.2

Geology Stratum ID:218384205Mat Consistency:Top Depth:0Material Moisture:Bottom Depth:2.7Material Texture:Material Color:Non Geo Mat Type:

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

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

Gsc Material Description:

TILL. Stratum Description:

Geology Stratum ID: 218384207 Mat Consistency: Top Depth: 12.2 Material Moisture: **Bottom Depth:** Material Texture: Material Color: Non Geo Mat Type:

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

Gsc Material Description:

BEDROCK, GRANITE. WATER STABLE AT 233.0 FEET. BEDROCK. SEISMIC VELOCITY = 15000. STONE. BL Stratum Description:

\*\*Note: Many records provided by the department have a truncated [Stratum Description] field.

**Source** 

**Data Survey** Spatial/Tabular Source Type: Source Appl:

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

Observatio: Verticalda: Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS) File: OTTAWA1.txt RecordID: 023430 NTS\_Sheet: 31G05D Source Details:

Confiden 1: Reliable information but incomplete.

Source List

NAD27 Source Identifier: Horizontal Datum:

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

Scale or Resolution: Varies

Urban Geology Automated Information System (UGAIS) Source Name:

Source Originators: Geological Survey of Canada

11 1 of 1 F/231.1 79.9 / -1.00 lot 12 con 4 **WWIS** KANATA ON

Order No: 20200417004

Well ID: 1536458 Data Entry Status:

Construction Date: Data Src:

7/11/2006 Primary Water Use: Domestic Date Received: Sec. Water Use: Selected Flag: Yes Final Well Status: Water Supply Abandonment Rec:

Water Type: Contractor: 1558 Casing Material: Form Version:

Audit No: Z46997 Owner: A035395 910 MARCH RD Tag: Street Name: **Construction Method:** OTTAWA-CARLETON County: Elevation (m): Municipality: MARCH TOWNSHIP

Elevation Reliability: Site Info: Depth to Bedrock: Lot: 012 Well Depth: 04 Concession:

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

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

Clear/Cloudy:

**Bore Hole Information** 

**Bore Hole ID:** 11550524

**DP2BR:** 6

Spatial Status:

Code OB:

Code OB Desc: Bedrock Open Hole:

Cluster Kind:

Date Completed: 6/27/2006

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock Materials Interval

materials interval

**Formation ID:** 933057099

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE Mat2: 73

Other Materials: HARD

Mat3:

Other Materials:

Formation Top Depth: 1.82
Formation End Depth: 12.19
Formation End Depth UOM: m

Overburden and Bedrock

**Materials Interval** 

**Formation ID:** 933057100

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 18

Most Common Material: SANDSTONE

Mat2: 73
Other Materials: HARD

Mat3:

Other Materials:

Formation Top Depth: 12.19
Formation End Depth: 27.43
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

**Formation ID:** 933057098

Layer: 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

**Mat2:** 79

**Elevation:** 78.054458

Elevrc:

Zone: 18
East83: 426567
North83: 5023316
Org CS: UTM83
UTMRC: 3

UTMRC Desc: margin of error: 10 - 30 m

Location Method: wwr

Other Materials: PACKED

Mat3:

Other Materials:
Formation Top Depth: 0
Formation End Depth: 1.82
Formation End Depth UOM: m

Method of Construction & Well

<u>Use</u>

Method Construction ID:
Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

**Pipe ID:** 11560131

Casing No:

Comment: Alt Name:

Construction Record - Casing

**Casing ID:** 930879939

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 -0.45

 Depth To:
 10.36

 Casing Diameter:
 15.86

 Casing Diameter UOM:
 cm

 Casing Depth UOM:
 m

Construction Record - Casing

**Casing ID:** 930879940

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

 Depth From:
 10.36

 Depth To:
 27.43

Casing Diameter:

Casing Diameter UOM: cm
Casing Depth UOM: m

Results of Well Yield Testing

11569511 Pump Test ID: Pump Set At: 21.33 Static Level: 6.02 Final Level After Pumping: 6.6 Recommended Pump Depth: 15.23 Pumping Rate: 54.6 Flowing Rate: Recommended Pump Rate: 45.5 Levels UOM: m Rate UOM: LPM Water State After Test Code: 1

Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 3

Pumping Duration MIN:

30

Flowing:

#### **Draw Down & Recovery**

Pump Test Detail ID: 11624163 Test Type: Recovery Test Duration: 40 Test Level: 6.12 Test Level UOM: m

#### **Draw Down & Recovery**

Pump Test Detail ID: 11624164 Test Type: Draw Down Test Duration: 50 6.54 Test Level: Test Level UOM: m

#### **Draw Down & Recovery**

11624144 Pump Test Detail ID: Test Type: Draw Down Test Duration: 2

Test Level: 6.4 Test Level UOM: m

#### **Draw Down & Recovery**

Pump Test Detail ID: 11624145 Test Type: Recovery Test Duration: 2 Test Level: 6.19 Test Level UOM: m

#### **Draw Down & Recovery**

Pump Test Detail ID: 11624146 Test Type: Draw Down Test Duration: 3 Test Level: 6.44 Test Level UOM: m

# **Draw Down & Recovery**

Pump Test Detail ID: 11624151 Test Type: Recovery Test Duration: 5 6.18 Test Level: Test Level UOM: m

# **Draw Down & Recovery**

11624155 Pump Test Detail ID: Test Type: Recovery Test Duration: 15 Test Level: 6.13 Test Level UOM: m

# Draw Down & Recovery

 Pump Test Detail ID:
 11624158

 Test Type:
 Draw Down

 Test Duration:
 25

 Test Level:
 6.52

 Test Level UOM:
 m

# **Draw Down & Recovery**

 Pump Test Detail ID:
 11624150

 Test Type:
 Draw Down

 Test Duration:
 5

 Test Level:
 6.47

Test Level: 6.4.

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11624152

 Test Type:
 Draw Down

 Test Duration:
 10

 Test Level:
 6.5

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11624153

 Test Type:
 Recovery

 Test Duration:
 10

 Test Level:
 6.15

 Test Level UOM:
 m

# **Draw Down & Recovery**

 Pump Test Detail ID:
 11624167

 Test Type:
 Recovery

 Test Duration:
 60

 Test Level:
 6.12

 Test Level UOM:
 m

# **Draw Down & Recovery**

 Pump Test Detail ID:
 11624159

 Test Type:
 Recovery

 Test Duration:
 25

 Test Level:
 6.13

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11624160

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 6.53

 Test Level UOM:
 m

#### **Draw Down & Recovery**

Pump Test Detail ID:11624162Test Type:Draw Down

 Test Duration:
 40

 Test Level:
 6.53

 Test Level UOM:
 m

#### **Draw Down & Recovery**

Pump Test Detail ID:11624142Test Type:Draw Down

Test Duration: 1
Test Level: 6.36
Test Level UOM: m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11624157

 Test Type:
 Recovery

 Test Duration:
 20

 Test Level:
 6.13

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11624156

 Test Type:
 Draw Down

 Test Duration:
 20

 Test Level:
 6.52

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11624165

 Test Type:
 Recovery

 Test Duration:
 50

 Test Level:
 6.12

 Test Level UOM:
 m

# **Draw Down & Recovery**

 Pump Test Detail ID:
 11624148

 Test Type:
 Draw Down

 Test Duration:
 4

 Test Level:
 6.45

 Test Level UOM:
 m

# **Draw Down & Recovery**

 Pump Test Detail ID:
 11624166

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 6.55

 Test Level UOM:
 m

# **Draw Down & Recovery**

Pump Test Detail ID:11624143Test Type:RecoveryTest Duration:1Test Level:6.2Test Level UOM:m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11624147

 Test Type:
 Recovery

 Test Duration:
 3

 Test Level:
 6.19

 Test Level UOM:
 m

#### **Draw Down & Recovery**

Pump Test Detail ID:11624149Test Type:RecoveryTest Duration:4Test Level:6.18Test Level UOM:m

# **Draw Down & Recovery**

 Pump Test Detail ID:
 11624154

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 6.51

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11624161

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 6.12

 Test Level UOM:
 m

#### Water Details

*Water ID*: 934077244

Layer: 1

Kind Code:

Kind:

Water Found Depth: 24.99
Water Found Depth UOM: m

# Hole Diameter

 Hole ID:
 11681230

 Diameter:
 22.75

 Depth From:
 0

 Depth To:
 7.31

 Hole Depth UOM:
 m

 Hole Diameter UOM:
 cm

# Hole Diameter

 Hole ID:
 11681231

 Diameter:
 15.23

 Depth From:
 7.31

 Depth To:
 27.43

 Hole Depth UOM:
 m

 Hole Diameter UOM:
 cm

79.9 / -1.00 12 1 of 1 E/233.1 lot 11 con 4 **WWIS** 

Well ID: 1514785

Construction Date:

Primary Water Use: Domestic Sec. Water Use:

Final Well Status: Water Supply

Water Type: Casing Material: Audit No: Tag:

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

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

Data Entry Status:

Data Src:

Date Received: 7/23/1975 Selected Flag: Yes Abandonment Rec:

3658 Contractor: Form Version: 1 Owner:

Street Name:

OTTAWA-CARLETON County: Municipality: MARCH TOWNSHIP

Site Info:

Lot: 011 Concession: 04 Concession Name: CON

Easting NAD83: Northing NAD83: Zone: UTM Reliability:

**Bore Hole Information** 

Bore Hole ID: 10036755 DP2BR: 25

Spatial Status:

Clear/Cloudy:

Code OB:

Code OB Desc: Bedrock

Open Hole:

Cluster Kind:

Date Completed: 7/1/1975

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Elevation: 77.908729

Elevrc:

Zone: 18 426570.6 East83: North83: 5023322

Org CS:

UTMRC:

**UTMRC Desc:** margin of error: 30 m - 100 m

Order No: 20200417004

Location Method:

Overburden and Bedrock

Materials Interval

931027302 Formation ID:

Layer: Color: 2 General Color: **GREY** Mat1: 18

SANDSTONE Most Common Material:

Mat2: Other Materials: HARD

Mat3:

Other Materials:

25 Formation Top Depth: Formation End Depth: 90 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931027301

Layer: Color: 6

**BROWN** General Color: 05 Mat1: Most Common Material: CLAY 85 Mat2:

Other Materials: SOFT

Mat3:

Other Materials: 0 Formation Top Depth: Formation End Depth: 25 Formation End Depth UOM:

Method of Construction & Well

<u>Use</u>

**Method Construction ID:** 5 **Method Construction Code:** 

**Method Construction:** Air Percussion

Other Method Construction:

Pipe Information

10585325 Pipe ID:

Casing No: Comment: Alt Name:

Construction Record - Casing

930064972 Casing ID:

Layer: Material:

Open Hole or Material: STEEL

Depth From:

Depth To: 27 Casing Diameter: 6 Casing Diameter UOM: inch Casing Depth UOM: ft

**Construction Record - Casing** 

Casing ID: 930064973

Layer: 2 Material:

**OPEN HOLE** Open Hole or Material:

Depth From: Depth To: 90

Casing Diameter:

Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991514785

Pump Set At: Static Level: 11 Final Level After Pumping: 30 30 Recommended Pump Depth: Pumping Rate: 15 Flowing Rate:

5 Recommended Pump Rate:

Levels UOM: ft Rate UOM: GPM

Water State After Test Code: 1
Water State After Test: CLEAR

Pumping Test Method:
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: N

# **Draw Down & Recovery**

Pump Test Detail ID:934902071Test Type:Draw DownTest Duration:60

Test Level: 30
Test Level UOM: ft

# **Draw Down & Recovery**

 Pump Test Detail ID:
 934100601

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 30

ft

ft

#### **Draw Down & Recovery**

Test Level UOM:

Test Level UOM:

 Pump Test Detail ID:
 934383616

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 30

# **Draw Down & Recovery**

Pump Test Detail ID: 934644602
Test Type: Draw Down

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

# Water Details

*Water ID*: 933470746

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 65

 Water Found Depth UOM:
 ft

# Water Details

*Water ID:* 933470747

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 84

 Water Found Depth UOM:
 ft

ESE/238.3 80.3 / -0.57 13 1 of 1 **WWIS** KANATA ON

Well ID: 7046774

Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material:

Audit No: Z24163 A023597 Tag:

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

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

Data Entry Status:

Data Src:

Date Received: 7/19/2007 Selected Flag: Yes Abandonment Rec: 6455 Contractor:

Form Version: 3

Owner:

895 MARCH ROAD Street Name: **OTTAWA-CARLETON** County: MARCH TOWNSHIP Municipality:

Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:

**Bore Hole Information** 

Bore Hole ID: 23046774

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

Date Completed: 10/7/2005

Remarks: Elevrc Desc:

Location Source Date:

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

Elevrc: Zone: East83: North83: Org CS: UTMRC:

Elevation:

**UTMRC Desc:** unknown UTM

Order No: 20200417004

Location Method: na

Overburden and Bedrock

Materials Interval

30146774 Formation ID: Layer:

Color: General Color:

Mat1:

Most Common Material:

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 0 Formation End Depth: 14.63 Formation End Depth UOM: m

Pipe Information

Pipe ID: 29046774 0 Casing No:

Comment: Alt Name:

#### Results of Well Yield Testing

 Pump Test ID:
 27046774

 Pump Set At:
 13.71

 Static Level:
 2.74

 Final Level After Pumping:
 7.36

 Recommended Pump Depth:
 12.19

 Pumping Rate:
 68.25

Flowing Rate:

Recommended Pump Rate: 54.6 Levels UOM: m Rate UOM: LPM

Water State After Test Code: Water State After Test:

Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: N

# **Draw Down & Recovery**

Pump Test Detail ID:45008827Test Type:Draw DownTest Duration:30

 Test Duration:
 30

 Test Level:
 7.51

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 45010291

 Test Type:
 Recovery

 Test Duration:
 3

 Test Level:
 3.96

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 45008828

 Test Type:
 Draw Down

 Test Duration:
 40

 Test Level:
 7.39

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 45008830

 Test Type:
 Draw Down

 Test Duration:
 50

 Test Level:
 7.36

 Test Level UOM:
 m

# **Draw Down & Recovery**

 Pump Test Detail ID:
 45008823

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 2.84

 Test Level UOM:
 m

# **Draw Down & Recovery**

 Pump Test Detail ID:
 45008834

 Test Type:
 Draw Down

 Test Duration:
 10

 Test Level:
 7.82

m

#### **Draw Down & Recovery**

Test Level UOM:

 Pump Test Detail ID:
 45010286

 Test Type:
 Draw Down

 Test Duration:
 3

 Test Level:
 6.47

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 45010282

 Test Type:
 Recovery

 Test Duration:
 5

 Test Level:
 3.5

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 45010285

 Test Type:
 Draw Down

 Test Duration:
 4

 Test Level:
 7.01

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 45010289

 Test Type:
 Recovery

 Test Duration:
 10

 Test Level:
 3.04

 Test Level UOM:
 m

# **Draw Down & Recovery**

 Pump Test Detail ID:
 45008822

 Test Type:
 Draw Down

 Test Duration:
 25

 Test Level:
 7.69

 Test Level UOM:
 m

# **Draw Down & Recovery**

 Pump Test Detail ID:
 45008829

 Test Type:
 Recovery

 Test Duration:
 40

 Test Level:
 2.74

 Test Level UOM:
 m

## **Draw Down & Recovery**

 Pump Test Detail ID:
 45008831

 Test Type:
 Recovery

 Test Duration:
 50

 Test Level:
 2.74

 Test Level UOM:
 m

#### **Draw Down & Recovery**

Pump Test Detail ID:45010288Test Type:Draw DownTest Duration:2

 Test Duration:
 2

 Test Level:
 5.71

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 45010290

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 2.74

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 45008825

 Test Type:
 Draw Down

 Test Duration:
 20

 Test Level:
 7.69

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 45008826

 Test Type:
 Recovery

 Test Duration:
 20

 Test Level:
 2.74

 Test Level UOM:
 m

# **Draw Down & Recovery**

 Pump Test Detail ID:
 45010284

 Test Type:
 Recovery

 Test Duration:
 4

 Test Level:
 3.73

 Test Level UOM:
 m

# Draw Down & Recovery

 Pump Test Detail ID:
 45010292

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 7.72

 Test Level UOM:
 m

#### **Draw Down & Recovery**

Pump Test Detail ID:45008821Test Type:Draw DownTest Duration:1

Test Duration: 1
Test Level: 4.69

Test Level UOM:

**Draw Down & Recovery** 

 Pump Test Detail ID:
 45008824

 Test Type:
 Recovery

 Test Duration:
 25

 Test Level:
 2.74

 Test Level UOM:
 m

m

**Draw Down & Recovery** 

 Pump Test Detail ID:
 45008832

 Test Type:
 Recovery

 Test Duration:
 60

 Test Level:
 2.74

 Test Level UOM:
 m

**Draw Down & Recovery** 

 Pump Test Detail ID:
 45008833

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 7.36

 Test Level UOM:
 m

**Draw Down & Recovery** 

 Pump Test Detail ID:
 45008835

 Test Type:
 Recovery

 Test Duration:
 1

 Test Level:
 5.18

 Test Level UOM:
 m

**Draw Down & Recovery** 

 Pump Test Detail ID:
 45010283

 Test Type:
 Draw Down

 Test Duration:
 5

 Test Level:
 7.31

 Test Level UOM:
 m

**Draw Down & Recovery** 

 Pump Test Detail ID:
 45010287

 Test Type:
 Recovery

 Test Duration:
 2

 Test Level:
 4.72

 Test Level UOM:
 m

Generator No: ON9179314 Status:

1 of 2

Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 621499

Kanata Plastic & Cosmetic Surgery

895 March Rd. Kanata ON K2K 1X7

PO Box No:

Country: Canada
Choice of Contact: CO\_OFFICIAL
Co Admin: Colleen Russell
Phone No Admin: 613-591-1099 Ext.

ESE/239.2

80.9 / 0.00

14

**GEN** 

Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

SIC Description: ALL OTHER OUT-PATIENT CARE CENTRES

Detail(s)

Waste Class: 312

Waste Class Desc: PATHOLOGICAL WASTES

14 2 of 2 ESE/239.2 80.9 / 0.00 Kanata Plastic & Cosmetic Surgery 895 March Rd.

Kanata ON K2K 1X7

Order No: 20200417004

Generator No: ON9179314 PO Box No:

Status:Country:CanadaApproval Years:2014Choice of Contact:CO\_OFFICIALContam. Facility:NoCo Admin:Colleen RussellMHSW Facility:NoPhone No Admin:613-591-1099 Ext.

**SIC Code:** 621499

SIC Description: ALL OTHER OUT-PATIENT CARE CENTRES

Detail(s)

Waste Class: 312

Waste Class Desc: PATHOLOGICAL WASTES

# Unplottable Summary

Total: 25 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 11 Con 3	Kanata ON	
CA	Morgan's Grant	Part of Lot 11, Concession 3	Ottawa ON	
CA	Hugh Robert Sparks	Lot 12, Conc. 3, March Tp	Ottawa ON	
CA	R.M. OF OTTAWA-CARLETON	MARCH ROAD RECON., SWM FAC.	KANATA CITY ON	
EBR	West Carleton Sand & Gravel	McGee Pit Ottawa Ontario Lot 11 and 12, Concession 4 Geographic Township of West Carelton City of Ottawa CITY OF OTTAWA	ON	
EBR	Marcel Brazeau Ltd.	Geographic Township of Nepean Part Lot 12, Concession 4 Rideau Front CITY OF OTTAWA	ON	
EBR	Velika Realty Inc.	Lot 12, Concession 3, Geographic Township of Osgoode South West side of Stage Coach Road, between Apple Orchard and Herberts Corners Roads south of Greely.	Municipal address is 1934 Stage Coach Road. CITY OF OTTAWA ON	
LIMO	Pierces Corners Landfill The Corporation of the Township of Rideau City of	Ottawa Part of Lot 11, Concession 3 Ottawa	ON	
NCPL	West Carleton Sand & Gravel Inc.	Lot 11-14, Conc 4	Ottawa ON	
PTTW	Mattamy (Half Moon Bay) Limited	Lot 11, 12, Concession 3, Ottawa, City CITY OF OTTAWA	ON	
SPL	OTTAWA-CARLETON TRANSIT	MARCH ROAD, SOUTH OF CARLING	OTTAWA CITY ON	
SPL	ONTARIO HYDRO	SOUTH MARCH TRANSFORMER STATION, MARCH ROAD TRANSFORMER	KANATA CITY ON	
wwis		lot 11	ON	
wwis		lot 11	ON	
wwis		lot 11	ON	
wwis		lot 12	ON	
wwis		lot 11	ON	

WWIS	lot 12	ON
WWIS	lot 12	ON
WWIS	lot 11	ON
WWIS	lot 12	ON
WWIS	lot 12	ON
WWIS	lot 12 con 3	GREELY ON
WWIS	lot 12	ON
WWIS	lot 11	ON

# **Unplottable Report**

Site:

Lot 11 Con 3 Kanata ON

Database:

AAGR

Type: Quarry

Region/County: Ottawa-Carleton

 Township:
 Kanata

 Concession:
 3

 Lot:
 11

 Size (ha):
 0.5

Landuse: Comments:

Site: Morgan's Grant Database: Part of Lot 11, Concession 3 Ottawa ON CA

Certificate #: 8692-54QSUG

Application Year: 01
Issue Date: 12/21/01

Approval Type: Municipal & Private sewage

Status: Approved

Application Type: New Certificate of Approval Client Name: New Certificate of Approval Minto Developments Inc.

Client Address: 427 Laurier Avenue West, Suite 300

Client City: Ottawa
Client Postal Code: K1R 7Y2

Project Description: Stormwater management facility providing water quantity and quality control.

Contaminants: Emission Control:

Site: Hugh Robert Sparks
Lot 12, Conc. 3, March Tp Ottawa ON

Database:
CA

 Certificate #:
 7694-6AHJ4J

 Application Year:
 2005

 Issue Date:
 3/17/2005

Approval Type: Waste Management Systems

Status: Approved

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

**Emission Control:** 

Site: R.M. OF OTTAWA-CARLETON Database: MARCH ROAD RECON., SWM FAC. KANATA CITY ON CA

Certificate #: 3-0372-96Application Year: 96
Issue Date: 6/20/1996
Approval Type: Municipal sewage
Status: Approved

Application Type: Client Name:

60

erisinfo.com | Environmental Risk Information Services Order No: 20200417004

Client Address: Client City:

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

Site: West Carleton Sand & Gravel

Database: EBR

McGee Pit Ottawa Ontario Lot 11 and 12, Concession 4 Geographic Township of West Carelton City of Ottawa CITY

OF OTTAWA ON

EBR Registry No:IA05E0467Decision Posted:Ministry Ref No:9797-6ASMMBException Posted:

Notice Type:Instrument DecisionSection:Notice Stage:803008823Act 1:Notice Date:April 28, 2006Act 2:

Proposal Date: April 11, 2005 Site Location Map:

**Year:** 2005

Instrument Type: (OWRA s. 53(1)) - Approval for sewage works

Off Instrument Name:

Posted By:

Company Name: West Carleton Sand & Gravel

Site Address: Location Other: Proponent Name:

Proponent Address: 3725 Carp Road, P.O Box 264, Carp Ontario, K0A 1L0

Comment Period:

URL:

Site Location Details:

McGee Pit Ottawa Ontario Lot 11 and 12, Concession 4 Geographic Township of West Carelton City of Ottawa CITY OF OTTAWA

Site: Marcel Brazeau Ltd.

Geographic Township of Nepean Part Lot 12, Concession 4 Rideau Front CITY OF OTTAWA ON

**Decision Posted:** 

Act 2:

Database: EBR

EBR Registry No: Ministry Ref No: 012-7185 MNRF INST 28/16

October 26, 2017

MNRF INST 28/16 Exception Posted:
Instrument Decision Section:
848864230 Act 1:

Proposal Date: March 29, 2016 Site Location Map:

**Year:** 2016

Instrument Type: (ARA s. 16 (2)) - Approval of licensee proposed amendment to a site plan

Off Instrument Name:

Posted By:

Notice Type:

Notice Stage:

Notice Date:

Company Name: Marcel Brazeau Ltd.

Site Address: Location Other: Proponent Name:

Proponent Address: 130 Entreprise Road, Vars Ontario, Canada K0A 3H0

Comment Period:

URL:

Site Location Details:

Geographic Township of Nepean Part Lot 12, Concession 4 Rideau Front CITY OF OTTAWA

Site: Velika Realty Inc.

Lot 12, Concession 3, Geographic Township of Osgoode South West side of Stage Coach Road, between Apple Orchard and Herberts Corners Roads south of Greely. Municipal address is 1934 Stage Coach Road. CITY OF

OTTAWA ON

Order No: 20200417004

Database: EBR

EBR Registry No: 012-0726 Decision Posted: Ministry Ref No: MNR INST 71/13 Exception Posted:

Notice Type: Instrument Decision Section: 819960490 Notice Stage: Act 1: Notice Date: July 23, 2014 Act 2:

Proposal Date: December 27, 2013 Site Location Map:

Year: 2013

Instrument Type: (ESA s.17(2) (c)) - Permit for activities with conditions to achieve overall benefit to the species

Off Instrument Name:

Posted By:

Company Name: Velika Realty Inc.

Site Address: Location Other: Proponent Name: Proponent Address:

275 Slater Street, Ottawa Ontario, Canada K1P 5H9

Comment Period:

**URL:** 

Site Location Details:

Lot 12, Concession 3, Geographic Township of Osgoode South West side of Stage Coach Road, between Apple Orchard and Herberts Corners Roads south of Greely. Municipal address is 1934 Stage Coach Road. CITY OF OTTAWA

Pierces Corners Landfill The Corporation of the Township of Rideau City of Site: Ottawa Part of Lot 11, Concession 3 Ottawa ON

Natural Attenuation:

Cover Material:

Lndfll Gas Coll:

TWR Unit:

Total Waste Rec:

TWR Methodology:

Tot Aprv Cap Unit:

Last Report Year:

MOE Region:

MOE District: Site County:

Concession:

Latitude:

Easting:

Northing: UTM Zone:

Data Source:

Longitude:

Lot:

Financial Assurance:

Leachate Off-Site:

Leachate On Site:

Req Coll Lndfll Gas:

Liners:

A461201 ECA/Instrument No: Oper Status 2016:

Closed

C of A Issue Date: C of A Issued to: Lndfl Gas Mgmt (P): Lndfl Gas Mgmt (F): Lndfl Gas Mgmt (E): Lndfl Gas Mgmt Sys: Landfill Gas Mntr:

Leachate Coll Sys: ERC Est Vol (m3):

**ERC Volume Unit:** ERC Dt Last Det: Landfill Type: Source File Type: Fill Rate: Fill Rate Unit:

Tot Fill Area (ha): Tot Site Area (ha): Footprint: Tot Apprv Cap (m3):

Contam Atten Zone:

**Grndwtr Mntr:** Surf Wtr Mntr: Air Emis Monitor: Approved Waste Type: Client Site Name:

ERC Methodology: Site Name:

Pierces Corners Landfill

The Corporation of the Township of Rideau

City of Ottawa

Site Location Details:

Service Area: Page URL:

West Carleton Sand & Gravel Inc.

Lot 11-14, Conc 4 Ottawa ON

Year: Site Name: 2006

Site:

NCPL

Order No: 20200417004

Database:

Database: LIMO

erisinfo.com | Environmental Risk Information Services

Facility Owner:

Discharge Type:Industrial SewageSector:MiscellaneousDistrict Area:Ottawa

Type of Concern: C of A/Permit Non-Compliance Contaminant: SUSPENDED SOLIDS

Status Report:

**Details** 

 Incident Date:
 10/5/2006

 Exceedance Start Date:
 10/5/2006

 Exceedance End Date:
 10/5/2006

 Limit/Unit/Freq:
 25 mg/L

 Quantity Min/Max:
 32/32

Facility Action:Operational Process ModificationMinistry Action:Voluntary Abatement Program Underway

Site: Mattamy (Half Moon Bay) Limited

Lot 11, 12, Concession 3, Ottawa, City CITY OF OTTAWA ON

EBR Registry No:010-5959Decision Posted:Ministry Ref No:8783-7PCUC4Exception Posted:

Database:

Database:

SPL

Order No: 20200417004

Notice Type: Instrument Decision Section:
Notice Stage: Act 1:

Notice Date: June 26, 2009 Act 2:

Proposal Date: February 20, 2009 Site Location Map:

**Year:** 2009

Instrument Type: (OWRA s. 34) - Permit to Take Water

Off Instrument Name:

Posted By:

Company Name: Mattamy (Half Moon Bay) Limited

Site Address: Location Other: Proponent Name:

Proponent Address: 123 Huntmar Drive, Ottawa Ontario, Canada K2S 1B9

Comment Period:

URL:

Site Location Details:

Lot 11, 12, Concession 3, Ottawa, City CITY OF OTTAWA

Site: OTTAWA-CARLETON TRANSIT
MARCH ROAD, SOUTH OF CARLING OTTAWA CITY ON

Ref No: 222088 Discharger Report: Site No: Material Group:

Incident Dt: 2/25/2002 Health/Env Conseq:
Year: Client Type:

Incident Cause: OTHER CONTAINER LEAK
Incident Event: Agency Involved:
Contaminant Code: Nearest Watercourse:
Contaminant Name: Site Address:

Contaminant Name: Site Address:
Contaminant Limit 1: Site District Office:
Contam Limit Freq 1: Site Postal Code:
Contaminant UN No 1: Site Region:

Environment Impact: POSSIBLE Site Municipality: 20107

 Nature of Impact:
 Water course or lake
 Site Lot:

 Receiving Medium:
 LAND / WATER
 Site Conc:

 Receiving Env:
 Northing:

 MOE Response:
 Easting:

 Dt MOE Arvl on Scn:
 Site Geo Ref Accu:

 MOE Reported Dt:
 2/25/2002
 Site Map Datum:

 Dt Document Closed:
 SAC Action Class:

 Incident Reason:
 MATERIAL FAILURE
 Source Type:

Site Name:

Site County/District: Site Geo Ref Meth: Incident Summary: Contaminant Qty:

OC TRANSIT: 2L OF ANTIFREEZE IN THE SEWER, CLEANING

**ONTARIO HYDRO** Site:

SOUTH MARCH TRANSFORMER STATION, MARCH ROAD TRANSFORMER KANATA CITY ON

Database: SPL

Database:

Ref No: 128700 Site No:

6/26/1996

Incident Dt: Year:

Incident Cause: **COOLING SYSTEM LEAK** Incident Event: Contaminant Code:

Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1:

Environment Impact: Nature of Impact:

Receiving Medium: Receiving Env:

MOE Response: Dt MOE Arvl on Scn:

MOE Reported Dt: **Dt Document Closed:** 

Incident Reason: Site Name:

Site County/District: Site Geo Ref Meth:

Incident Summary: Contaminant Qty:

CONFIRMED

Soil contamination LAND

7/3/1996

**OTHER** 

1520592

Domestic

NA

Recharge Well

Site Region: Site Municipality: Site Lot:

> Site Conc: Northing:

Discharger Report:

Health/Env Conseq: Client Type:

Nearest Watercourse:

Site District Office: Site Postal Code:

Material Group:

Sector Type: Agency Involved:

Site Address:

Easting: **EPS** Site Geo Ref Accu:

20103

Site Map Datum: SAC Action Class: Source Type:

ONTARIO HYDRO: 250 ML OF PCB OIL (200 PPM) TO SOILCONTAINED AND CLEANED UP.

Site: lot 11 ON

Well ID: Construction Date:

Primary Water Use:

Sec. Water Use: Final Well Status:

Water Type:

Casing Material: Audit No:

Tag:

**Construction Method:** Elevation (m): Elevation Reliability:

Depth to Bedrock: Well Depth: Overburden/Bedrock:

Static Water Level:

Flowing (Y/N): Flow Rate: Clear/Cloudy:

Pump Rate:

Data Entry Status:

Data Src:

7/21/1986 Date Received: Selected Flag: Yes

Abandonment Rec:

Contractor: 5222 Form Version: 1

Owner: Street Name:

OTTAWA-CARLETON County: Municipality: MARCH TOWNSHIP

Site Info:

Lot: 011

Concession: Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

**Bore Hole Information** 

Bore Hole ID: 10042434 DP2BR: 4

Spatial Status: Code OB:

Bedrock

Elevation: Elevrc:

18 Zone: East83:

North83: Order No: 20200417004

Code OB Desc:

Open Hole: Cluster Kind:

**Date Completed:** 7/2/1986

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock Materials Interval

**Formation ID:** 931045245

Org CS:

**UTMRC**:

**UTMRC Desc:** 

Location Method:

unknown UTM

Order No: 20200417004

na

**Layer:** 1 **Color:** 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 81

 Other Materials:
 SANDY

 Mat3:
 79

 Other Materials:
 PACKED

Formation Top Depth: 0
Formation End Depth: 4
Formation End Depth UOM: ft

Overburden and Bedrock

**Materials Interval** 

**Formation ID:** 931045246

 Layer:
 2

 Color:
 1

 General Color:
 WHITE

 Mat1:
 18

Most Common Material: SANDSTONE

**Mat2:** 78

Other Materials: MEDIUM-GRAINED

Mat3:73Other Materials:HARDFormation Top Depth:4Formation End Depth:30Formation End Depth UOM:ft

Annular Space/Abandonment

Sealing Record

**Plug ID:** 933109162

 Layer:
 1

 Plug From:
 0

 Plug To:
 22

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: Method Construction Code:

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

 Pipe ID:
 10591004

 Casing No:
 1

# Comment: Alt Name:

## Construction Record - Casing

**Casing ID:** 930074065

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:30Casing Diameter:6Casing Diameter UOM:inchCasing Depth UOM:ft

#### Construction Record - Casing

**Casing ID:** 930074064

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To:22Casing Diameter:6Casing Diameter UOM:inchCasing Depth UOM:ft

### Results of Well Yield Testing

**Pump Test ID:** 991520592

Pump Set At:

Static Level: 4
Final Level After Pumping: 20
Recommended Pump Depth: 20
Pumping Rate: 30
Flowing Rate:

Recommended Pump Rate: 15
Levels UOM: ft

Rate UOM:

Water State After Test Code:

Water State After Test:

CLEAR

Pumping Test Method:

Pumping Duration HR:

Pumping Duration MIN:

O

Flowing:

N

### **Draw Down & Recovery**

Pump Test Detail ID:934387342Test Type:Draw Down

 Test Duration:
 30

 Test Level:
 20

 Test Level UOM:
 ft

## **Draw Down & Recovery**

Pump Test Detail ID:934906147Test Type:Draw Down

 Test Duration:
 60

 Test Level:
 20

 Test Level UOM:
 ft

## **Draw Down & Recovery**

Pump Test Detail ID: 934112479

Draw Down Test Type:

Test Duration: 15 20 Test Level: Test Level UOM: ft

### **Draw Down & Recovery**

Pump Test Detail ID: 934648365 Test Type: Draw Down

Test Duration: 45 20 Test Level: Test Level UOM: ft

### Water Details

Water ID: 933477878

Layer: Kind Code:

**FRESH** Kind: Water Found Depth: 27 Water Found Depth UOM: ft

Database: Site: **WWIS** lot 11 ON

OTTAWA-CARLETON

Order No: 20200417004

Well ID: Data Entry Status: 1520591 **Construction Date:** Data Src:

Primary Water Use: Domestic Date Received: 7/21/1986

Sec. Water Use: Selected Flag: Yes

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

5222 Casing Material: Form Version: 1 Audit No: NA Owner:

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

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

Depth to Bedrock: 011 Lot: Well Depth: Concession:

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

Flow Rate: UTM Reliability: Clear/Cloudy:

## **Bore Hole Information**

10042433 Bore Hole ID: Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 Code OB: East83:

Code OB Desc: **Bedrock** North83: Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 7/2/1986 UTMRC Desc: unknown UTM

Remarks: Location Method: na

Elevrc Desc:

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

Overburden and Bedrock **Materials Interval** 

erisinfo.com | Environmental Risk Information Services

931045242 Formation ID:

Layer: Color: 6

BROWN General Color: Mat1: 05 Most Common Material: CLAY Mat2: 81 Other Materials: SANDY Mat3: 79 Other Materials: **PACKED** Formation Top Depth: 0 Formation End Depth: Formation End Depth UOM: ft

## Overburden and Bedrock

**Materials Interval** 

Formation ID: 931045244

Layer: Color:

WHITE General Color: Mat1: 18

SANDSTONE Most Common Material:

73 Mat2: Other Materials: **HARD** 

Mat3:

Other Materials:

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

## Overburden and Bedrock

Materials Interval

931045243 Formation ID:

Layer: 2 Color:

WHITE General Color: Mat1: 18

Most Common Material: SANDSTONE

Mat2: 18

Other Materials: SANDSTONE 73 Mat3:

Other Materials: HARD Formation Top Depth: Formation End Depth: 35 Formation End Depth UOM:

## Annular Space/Abandonment

Sealing Record

Plug ID: 933109161

Layer: Plug From: 0 Plug To: 22 Plug Depth UOM:

### Method of Construction & Well

<u>Use</u>

**Method Construction ID:** 

**Method Construction Code:** 5

**Method Construction:** Air Percussion

Other Method Construction:

### Pipe Information

**Pipe ID:** 10591003

Casing No:
Comment:

Comment: Alt Name:

### **Construction Record - Casing**

**Casing ID:** 930074063

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 55
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

### **Construction Record - Casing**

**Casing ID:** 930074062

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

Depth From:

Depth To:22Casing Diameter:6Casing Diameter UOM:inchCasing Depth UOM:ft

### Results of Well Yield Testing

**Pump Test ID:** 991520591

Pump Set At:

5 Static Level: Final Level After Pumping: 30 Recommended Pump Depth: 30 Pumping Rate: 80 Flowing Rate: Recommended Pump Rate: 25 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: Water State After Test: CLEAR Pumping Test Method: Pumping Duration HR: 2 Pumping Duration MIN: 0 Flowing: Ν

## **Draw Down & Recovery**

Pump Test Detail ID:934112478Test Type:Draw DownTest Duration:15

Test Level: 30
Test Level UOM: ft

## **Draw Down & Recovery**

 Pump Test Detail ID:
 934387341

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 30

 Test Level UOM:
 ft

### **Draw Down & Recovery**

Pump Test Detail ID:934648364Test Type:Draw DownTest Duration:45

Test Level: 30
Test Level UOM: ft

### **Draw Down & Recovery**

Pump Test Detail ID: 934906146
Test Type: Draw Down
Test Purstion: 60

 Test Duration:
 60

 Test Level:
 30

 Test Level UOM:
 ft

### Water Details

*Water ID*: 933477877

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 49

 Water Found Depth UOM:
 ft

#### Water Details

*Water ID:* 933477876

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 33

 Water Found Depth UOM:
 ft

Site:

| lot 11 | ON | Database: | WWIS

Order No: 20200417004

Well ID: 1521489 Data Entry Status:

Construction Date: Data Src. 1

Primary Water Use: Domestic Date Received: 7/2/1987
Sec. Water Use: Selected Flag: Yes

Final Well Status: Water Supply Abandonment Rec:

 Water Type:
 Contractor:
 5222

 Casing Material:
 Form Version:
 1

 Audit No:
 07100
 Owner:

Tag: Street Name:

Construction Method:County:OTTAWA-CARLETONElevation (m):Municipality:MARCH TOWNSHIPElevation Reliability:Site Info:

Depth to Bedrock: Lot: 011

Well Depth: Concession:
Overburden/Bedrock: Concession Name:
Pump Rate: Easting NAD83:
Static Water Level: Northing NAD83:
Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

### **Bore Hole Information**

 Bore Hole ID:
 10043311
 Elevation:

 DP2BR:
 0
 Elevrc:

Spatial Status:Zone:18Code OB:rEast83:

Code OB: Eastes:
Code OB Desc: Bedrock North83:

Open Hole: Cluster Kind:

**Date Completed:** 6/2/1987

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock Materials Interval

**Formation ID:** 931048220

Org CS:

**UTMRC**:

**UTMRC Desc:** 

Location Method:

9

na

unknown UTM

Order No: 20200417004

Layer: 1 Color: 6

General Color: BROWN

*Mat1:* 18

Most Common Material: SANDSTONE

 Mat2:
 90

 Other Materials:
 VERY

 Mat3:
 73

 Other Materials:
 HARD

 Formation Top Depth:
 0

 Formation End Depth:
 38

 Formation End Depth UOM:
 ft

Overburden and Bedrock

**Materials Interval** 

**Formation ID:** 931048221

 Layer:
 2

 Color:
 1

 General Color:
 WHITE

 Mat1:
 18

Most Common Material: SANDSTONE

 Mat2:
 90

 Other Materials:
 VERY

 Mat3:
 73

 Other Materials:
 HARD

 Formation Top Depth:
 38

 Formation End Depth:
 70

 Formation End Depth UOM:
 ft

Overburden and Bedrock

Materials Interval

**Formation ID:** 931048223

 Layer:
 4

 Color:
 1

 General Color:
 WHITE

Mat1: 18

Most Common Material: SANDSTONE

Mat2: 73
Other Materials: HARD

Mat3:

Other Materials:

Formation Top Depth: 115
Formation End Depth: 125
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

**Formation ID:** 931048222

erisinfo.com | Environmental Risk Information Services

3 Layer: Color: 2 General Color: **GREY** Mat1: 21 **GRANITE** Most Common Material: Mat2: 46 Other Materials: QUARTZ Mat3: 73 Other Materials: HARD Formation Top Depth: 70 Formation End Depth: 115 Formation End Depth UOM: ft

## Annular Space/Abandonment

Sealing Record

**Plug ID:** 933109483

 Layer:
 1

 Plug From:
 0

 Plug To:
 22

 Plug Depth UOM:
 ft

### Method of Construction & Well

<u>Use</u>

Method Construction ID:

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

### Pipe Information

Alt Name:

**Pipe ID:** 10591881

Casing No: 1
Comment:

## Construction Record - Casing

**Casing ID:** 930075643

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

Depth From:

Depth To: 22
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

### **Construction Record - Casing**

**Casing ID:** 930075644

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:125Casing Diameter:6Casing Diameter UOM:inchCasing Depth UOM:ft

## Results of Well Yield Testing

**Pump Test ID:** 991521489

Pump Set At:

Static Level: 3
Final Level After Pumping: 55
Recommended Pump Depth: 55
Pumping Rate: 20
Flowing Rate:

Recommended Pump Rate: 7
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: N

### **Draw Down & Recovery**

Pump Test Detail ID:934908889Test Type:Draw Down

 Test Duration:
 60

 Test Level:
 55

 Test Level UOM:
 ft

### **Draw Down & Recovery**

Pump Test Detail ID:934390654Test Type:Draw Down

 Test Duration:
 30

 Test Level:
 55

 Test Level UOM:
 ft

### **Draw Down & Recovery**

Pump Test Detail ID:934106554Test Type:Draw DownTest Duration:15

Test Duration: 15
Test Level: 55
Test Level UOM: ft

## **Draw Down & Recovery**

Pump Test Detail ID:934651798Test Type:Draw Down

 Test Duration:
 45

 Test Level:
 55

 Test Level UOM:
 ft

### Water Details

*Water ID:* 933479074

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 70

 Water Found Depth UOM:
 ft

### Water Details

*Water ID:* 933479075

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 117

 Water Found Depth UOM:
 ft

Site: Database: **WWIS** 

lot 12 ON

Well ID: 1521609

Construction Date:

Primary Water Use: Domestic

Sec. Water Use:

Final Well Status: Water Supply

Water Type: Casing Material:

08547 Audit No:

Tag:

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

Well Depth: Overburden/Bedrock:

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

Data Entry Status:

Data Src:

8/14/1987 Date Received: Yes

Selected Flag: Abandonment Rec:

Contractor: 3644 Form Version: 1

Owner: Street Name:

OTTAWA-CARLETON County: Municipality: MARCH TOWNSHIP

Site Info:

Lot: 012

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

**Bore Hole Information** 

Bore Hole ID: 10043431

6 DP2BR: Spatial Status:

Code OB:

Code OB Desc: Bedrock

Open Hole:

Cluster Kind:

Date Completed: 6/22/1987

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Elevation:

Elevrc: Zone: 18

East83: North83: Org CS:

> 9 UTMRC:

UTMRC Desc: unknown UTM

Order No: 20200417004

Location Method:

Overburden and Bedrock

**Materials Interval** 

Formation ID: 931048620

Layer: 2 Color: General Color: **GREY** Mat1: 18

Most Common Material: SANDSTONE

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 6 Formation End Depth: 85 Formation End Depth UOM: ft

Overburden and Bedrock

**Materials Interval** 

Formation ID: 931048619

Layer: 1 Color: 2 General Color: **GREY** Mat1:

Most Common Material:CLAYMat2:12Other Materials:STONES

Mat3:

Other Materials:
Formation Top Depth: 0
Formation End Depth: 6
Formation End Depth UOM: ft

### Method of Construction & Well

Use

Method Construction ID:

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

### Pipe Information

**Pipe ID:** 10592001

Casing No: Comment: Alt Name:

## Construction Record - Casing

 Casing ID:
 930075872

 Layer:
 2

Layer: Material:

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:85Casing Diameter:6Casing Diameter UOM:inchCasing Depth UOM:ft

## **Construction Record - Casing**

**Casing ID:** 930075871

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

Depth From:

Depth To: 22
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

### Results of Well Yield Testing

**Pump Test ID:** 991521609

Pump Set At:

Static Level: 12 40 Final Level After Pumping: 40 Recommended Pump Depth: **Pumping Rate:** 20 Flowing Rate: Recommended Pump Rate: 15 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: 2 **CLOUDY** Water State After Test: Pumping Test Method: 1 **Pumping Duration HR:** 

Order No: 20200417004

0

Flowing:

**Pumping Duration MIN:** 

### **Draw Down & Recovery**

934107084 Pump Test Detail ID:

Test Type:

Test Duration: 15 Test Level: 40 Test Level UOM: ft

### **Draw Down & Recovery**

Pump Test Detail ID: 934390766

Test Type:

Test Duration: 30 Test Level: 40 Test Level UOM: ft

### **Draw Down & Recovery**

Pump Test Detail ID: 934909977

Test Type:

Test Duration: 60 Test Level: 40 Test Level UOM: ft

#### **Draw Down & Recovery**

Pump Test Detail ID: 934652327

Test Type:

Test Duration: 45 Test Level: 40 Test Level UOM: ft

## Water Details

Water ID: 933479245

Layer: 2 Kind Code: **FRESH** Kind: Water Found Depth: 78 Water Found Depth UOM:

### Water Details

Water ID: 933479244

Layer: Kind Code: 1 **FRESH** Kind: Water Found Depth: 60 Water Found Depth UOM: ft

Site: Database: lot 11 ON

Data Entry Status:

Abandonment Rec:

Date Received:

Selected Flag:

Form Version:

Contractor:

Owner:

1/26/1990

Order No: 20200417004

Yes

3644

Data Src:

1524142 Well ID: Construction Date:

Primary Water Use: Domestic

Sec. Water Use: Final Well Status: Water Supply

Water Type:

Casing Material:

Audit No: 56282

Tag:

Street Name: **Construction Method:** County: OTTAWA-CARLETON Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth:

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

Clear/Cloudy:

Municipality: MARCH TOWNSHIP

Site Info: Lot: 011

Concession: Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

Elevation:

Elevrc:

## **Bore Hole Information**

**Bore Hole ID:** 10045914

DP2BR: 1
Spatial Status:
Code OB: r
Code OB Desc: Bedrock

Open Hole: Cluster Kind:

**Date Completed:** 8/30/1989

Remarks: Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment: Zone: East83: North83: Org CS: UTMRC:

UTMRC Desc: unknown UTM

18

Order No: 20200417004

Location Method: na

## Overburden and Bedrock

**Materials Interval** 

 Formation ID:
 931056979

 Layer:
 1

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 11

 Other Materials:
 GRAVEL

Mat3:

Other Materials:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931056980

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 18

Most Common Material: SANDSTONE

Mat2: 73 Other Materials: HARD

Mat3:

Other Materials:

Formation Top Depth: 1
Formation End Depth: 100
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:
Method Construction Code:

Method Construction: Air Percussion

Other Method Construction:

### Pipe Information

 Pipe ID:
 10594484

 Casing No:
 1

Comment: Alt Name:

## **Construction Record - Casing**

**Casing ID:** 930080382

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 100
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

### **Construction Record - Casing**

**Casing ID:** 930080381

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

Depth From:

Depth To:22Casing Diameter:6Casing Diameter UOM:inchCasing Depth UOM:ft

## Results of Well Yield Testing

**Pump Test ID:** 991524142

Pump Set At: Static Level:

Static Level: 6
Final Level After Pumping: 40
Recommended Pump Depth: 40
Pumping Rate: 30
Flowing Rate:

 Recommended Pump Rate:
 10

 Levels UOM:
 ft

 Rate UOM:
 GPM

 Water State After Test Code:
 2

 Water State After Test:
 CLOUDY

Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

## Draw Down & Recovery

Pump Test Detail ID: 934107723

Test Type:

 Test Duration:
 15

 Test Level:
 40

 Test Level UOM:
 ft

## Draw Down & Recovery

Pump Test Detail ID: 934910122

Test Type: 60 Test Duration: 40 Test Level: Test Level UOM: ft

### **Draw Down & Recovery**

Pump Test Detail ID: 934652922

Test Type:

Test Duration: 45 Test Level: 40 Test Level UOM: ft

#### **Draw Down & Recovery**

Pump Test Detail ID: 934391952

Test Type:

Test Duration: 30 Test Level: 40 Test Level UOM: ft

### Water Details

933482688 Water ID:

Layer: 2 Kind Code:

Kind: **FRESH** Water Found Depth: 95 Water Found Depth UOM: ft

### Water Details

Water ID: 933482687

Layer: 1 Kind Code:

**FRESH** Kind: Water Found Depth: 63 Water Found Depth UOM: ft

#### Site: lot 12 ON

Well ID:

1525535

**Construction Date:** 

Primary Water Use: Domestic

Sec. Water Use:

Final Well Status: Water Supply

Water Type:

Casing Material: 095460

Audit No:

Tag:

**Construction Method:** 

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

Well Depth: Overburden/Bedrock:

Pump Rate: Static Water Level:

Flowing (Y/N): Flow Rate: Clear/Cloudy:

Data Entry Status:

Data Src:

Date Received: 7/26/1991 Selected Flag: Yes

Abandonment Rec:

Contractor: 5222 Form Version: 1

Owner:

Street Name: County: OTTAWA-CARLETON

Municipality: MARCH TOWNSHIP Site Info:

Database:

Order No: 20200417004

012 Lot:

Concession: Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

### **Bore Hole Information**

Bore Hole ID: 10047270

DP2BR: 8 Spatial Status:

Code OB: Code OB Desc: Bedrock

Open Hole:

Cluster Kind:

Date Completed: 3/22/1991

Remarks: Elevrc Desc:

Location Source Date:

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

## Overburden and Bedrock

Materials Interval

Formation ID: 931061488

Layer: Color: 6

**BROWN** General Color: 05 Mat1: Most Common Material: CLAY Mat2: 79 Other Materials: **PACKED** 

Mat3:

Other Materials:

0 Formation Top Depth: Formation End Depth: 5 Formation End Depth UOM:

### Overburden and Bedrock

**Materials Interval** 

Formation ID: 931061490

Layer: 3 Color: 6

General Color: **BROWN** 18 Mat1:

Most Common Material: SANDSTONE

Mat2: 73

Other Materials: HARD

Mat3:

Other Materials:

Formation Top Depth: 8 Formation End Depth: 18 Formation End Depth UOM:

### Overburden and Bedrock

**Materials Interval** 

Formation ID: 931061491

Layer: Color: 2 General Color: **GREY** Mat1: 18

Most Common Material: SANDSTONE Mat2:

**QUARTZITE** Other Materials: Mat3:

73 HARD Other Materials: Formation Top Depth: 18 Formation End Depth: 75 Formation End Depth UOM:

Elevation: Elevrc:

Zone: 18

East83: North83: Org CS:

UTMRC: 9

UTMRC Desc: unknown UTM

Order No: 20200417004

Location Method: na

## Overburden and Bedrock

#### **Materials Interval**

**Formation ID:** 931061489

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

 Mat1:
 28

 Most Common Material:
 SAND

 Mat2:
 77

 Other Materials:
 LOOSE

Mat3:

Other Materials:

Formation Top Depth: 5
Formation End Depth: 8
Formation End Depth UOM: ft

## Annular Space/Abandonment

Sealing Record

**Plug ID:** 933111265

 Layer:
 1

 Plug From:
 0

 Plug To:
 20

 Plug Depth UOM:
 ft

## Method of Construction & Well

<u>Use</u>

Method Construction ID: Method Construction Code:

Method Construction: Air Percussion

Other Method Construction:

## Pipe Information

**Pipe ID:** 10595840

Casing No:

Comment: Alt Name:

## **Construction Record - Casing**

**Casing ID:** 930082757

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

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

### Construction Record - Casing

**Casing ID:** 930082756

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

Depth From:

Depth To:22Casing Diameter:6Casing Diameter UOM:inchCasing Depth UOM:ft

### Results of Well Yield Testing

**Pump Test ID:** 991525535

Pump Set At: Static Level:

18 40

Final Level After Pumping: 40
Recommended Pump Depth: 40
Pumping Rate: 25
Flowing Rate:

Recommended Pump Rate: 15
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:

Flowing: N

### **Draw Down & Recovery**

Pump Test Detail ID:934104503Test Type:Draw DownTest Duration:15

Test Duration: 15
Test Level: 40
Test Level UOM: ft

### **Draw Down & Recovery**

Pump Test Detail ID:934648699Test Type:Draw Down

 Test Duration:
 45

 Test Level:
 40

 Test Level UOM:
 ft

## Draw Down & Recovery

Pump Test Detail ID:934905879Test Type:Draw Down

 Test Duration:
 60

 Test Level:
 40

 Test Level UOM:
 ft

## **Draw Down & Recovery**

Pump Test Detail ID:934388161Test Type:Draw Down

 Test Duration:
 30

 Test Level:
 40

 Test Level UOM:
 ft

## Water Details

*Water ID:* 933484559

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 68

 Water Found Depth UOM:
 ft

### Water Details

*Water ID:* 933484558

Layer: Kind Code: **FRESH** Kind: Water Found Depth: 55 Water Found Depth UOM:

Site: Database: lot 12 ON

Well ID: 1525536 **Construction Date:** 

Primary Water Use: **Domestic** Sec. Water Use: Cooling And A/C

Final Well Status: Recharge Well

Water Type: Casing Material:

Audit No: 095459

Tag:

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

Well Depth:

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

Data Entry Status: Data Src:

7/26/1991 Date Received: Selected Flag: Yes

Abandonment Rec:

Contractor: 5222 Form Version: 1

Owner: Street Name: County:

OTTAWA-CARLETON Municipality: MARCH TOWNSHIP

Site Info: I of

012 Concession:

Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

**Bore Hole Information** 

Bore Hole ID: 10047271

DP2BR:

Spatial Status:

Code OB: Code OB Desc: Bedrock

Open Hole:

Cluster Kind:

Date Completed: 3/23/1991

Remarks:

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Elevation: Elevrc:

Zone: 18

East83: North83: Org CS:

**UTMRC:** 

**UTMRC Desc:** unknown UTM

Order No: 20200417004

Location Method:

Overburden and Bedrock

**Materials Interval** 

Formation ID: 931061492

Layer: Color: 6 General Color:

**BROWN** Mat1: 28 Most Common Material: SAND Mat2: 11 **GRAVEL** 

Other Materials: Mat3:

Other Materials:

0 Formation Top Depth: Formation End Depth: 5 Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

**Formation ID:** 931061494

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 18

Most Common Material: SANDSTONE

*Mat2*: 20

Other Materials: QUARTZITE

Mat3:73Other Materials:HARDFormation Top Depth:14Formation End Depth:85Formation End Depth UOM:ft

### Overburden and Bedrock

**Materials Interval** 

**Formation ID:** 931061493

**Layer:** 2 **Color:** 6

General Color: BROWN

*Mat1:* 18

Most Common Material: SANDSTONE Mat2: 73

Mat2: /3
Other Materials: HARD

Mat3:

Other Materials:

Formation Top Depth: 5
Formation End Depth: 14
Formation End Depth UOM: ft

## Annular Space/Abandonment

Sealing Record

**Plug ID:** 933111266

 Layer:
 1

 Plug From:
 0

 Plug To:
 20

 Plug Depth UOM:
 ft

## Method of Construction & Well

<u>Use</u>

Method Construction ID:

Method Construction Code:

Method Construction: Air Percussion

Other Method Construction:

## Pipe Information

**Pipe ID:** 10595841

Casing No:

Comment: Alt Name:

## Construction Record - Casing

**Casing ID:** 930082758

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

Depth From:

Depth To: 22
Casing Diameter: 6
Casing Diameter UOM: inch

#### Casing Depth UOM:

#### Construction Record - Casing

**Casing ID:** 930082759

ft

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:85Casing Diameter:6Casing Diameter UOM:inchCasing Depth UOM:ft

### Results of Well Yield Testing

**Pump Test ID:** 991525536

Pump Set At:
Static Level: 17
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate: 20

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: N

## Water Details

 Water ID:
 933484560

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 59

 Water Found Depth UOM:
 ft

## Water Details

 Water ID:
 933484561

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 76

 Water Found Depth UOM:
 ft

Site:

| lot 11 | ON | Database: WWIS

Order No: 20200417004

Well ID: 1526861 Data Entry Status:

Construction Date: Data Src:

Primary Water Use: Domestic Date Received: 10/20/1992

Sec. Water Use: Selected Flag: Yes

Final Well Status: Water Supply

Abandonment Rec:

Water Type:

Contractor: 3323

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

Tag: Street Name: Construction Method: County:

Construction Method:County:OTTAWA-CARLETONElevation (m):Municipality:MARCH TOWNSHIPElevation Reliability:Site Info:

Depth to Bedrock:

Well Depth: Overburden/Bedrock:

Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy: **Lot:** 011

Concession: Concession Name: Easting NAD83: Northing NAD83:

Zone: UTM Reliability:

### **Bore Hole Information**

**Bore Hole ID:** 10048549

DP2BR: 7 Spatial Status:

Code OB: r
Code OB Desc: Bedrock

Open Hole: Cluster Kind:

**Date Completed:** 11/26/1986

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

**Formation ID:** 931065376

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 21

 Most Common Material:
 GRANITE

Mat2: 73
Other Materials: HARD

Mat3:

Other Materials:

Formation Top Depth: 7
Formation End Depth: 125
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

**Formation ID:** 931065377

 Layer:
 3

 Color:
 7

 General Color:
 RED

 Mat1:
 21

 Most Common Material:
 GRANITE

 Mat2:
 73

 Other Materials:
 HARD

Mat3:

Other Materials:

Formation Top Depth: 125
Formation End Depth: 135
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

**Formation ID:** 931065375

Layer: 1

Elevation: Elevrc:

**Zone:** 18

East83: North83: Org CS:

UTMRC: 9

UTMRC Desc: unknown UTM

Location Method: na

Color: 6

General Color: **BROWN** Mat1: 02 TOPSOIL Most Common Material: Mat2: 81 Other Materials: SANDY Mat3: 02 **TOPSOIL** Other Materials: Formation Top Depth: 0

Formation End Depth: 7
Formation End Depth UOM: ft

## Annular Space/Abandonment

Sealing Record

**Plug ID:** 933112005

 Layer:
 1

 Plug From:
 0

 Plug To:
 18

 Plug Depth UOM:
 ft

### Method of Construction & Well

<u>Use</u>

Method Construction ID:

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

## Pipe Information

**Pipe ID:** 10597119

Casing No:

Comment: Alt Name:

## Construction Record - Casing

**Casing ID:** 930085001

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

Depth From:

Depth To: 22
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

### Results of Well Yield Testing

**Pump Test ID:** 991526861

Pump Set At:

Static Level: 6 Final Level After Pumping: 130 70 Recommended Pump Depth: Pumping Rate: 30 Flowing Rate: Recommended Pump Rate: 10 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: **CLEAR** Water State After Test: Pumping Test Method:

Pumping Duration HR:

Pumping Duration MIN: Flowing: N

### **Draw Down & Recovery**

Pump Test Detail ID: 934653172

Test Type:

Test Duration: 45
Test Level: 6
Test Level UOM: ft

### **Draw Down & Recovery**

Pump Test Detail ID: 934109025

Test Type:

Test Duration: 15
Test Level: 8
Test Level UOM: ft

### **Draw Down & Recovery**

Pump Test Detail ID: 934392659

Test Type:

Test Duration: 30
Test Level: 6
Test Level UOM: ft

#### **Draw Down & Recovery**

Pump Test Detail ID: 934910782

Test Type:

Test Duration: 60
Test Level: 6
Test Level UOM: ft

### Water Details

*Water ID:* 933486311

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 130

 Water Found Depth UOM:
 ft

Site:

lot 12 ON

Database:

WWIS

Order No: 20200417004

Well ID: 1528869 Data Entry Status:

Construction Date: Data Src:

Primary Water Use:DomesticDate Received:2/16/1996Sec. Water Use:Selected Flag:Yes

Final Well Status: Water Supply

Abandonment Rec:

Water Type: Contractor: 3323

Casing Material: Form Version: 1

Casing Material: Form Version: 1
Audit No: 153051

Owner:

Tag: Street Name:

Construction Method:County:OTTAWA-CARLETONElevation (m):Municipality:MARCH TOWNSHIPElevation Reliability:Site Info:

Depth to Bedrock:Lot:012Well Depth:Concession:

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

Flow Rate: UTM Reliability: Clear/Cloudy:

### **Bore Hole Information**

**Bore Hole ID:** 10050405

**DP2BR:** 7

Spatial Status:

Code OB:

Code OB Desc: Bedrock

Open Hole:

Cluster Kind:

**Date Completed:** 1/23/1996

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

**Materials Interval** 

**Formation ID:** 931071060

 Layer:
 1

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 0
Formation End Depth: 7
Formation End Depth UOM: ft

Overburden and Bedrock

**Materials Interval** 

**Formation ID:** 931071062

 Layer:
 3

 Color:
 7

 General Color:
 RED

 Mat1:
 21

 Most Common Material:
 GRANITE

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 65
Formation End Depth: 100
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

**Formation ID:** 931071061

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 18

Most Common Material: SANDSTONE

Mat2:

Other Materials:

Mat3:

Other Materials:

Elevation: Elevrc:

**Zone:** 18

East83: North83: Org CS:

UTMRC: 9

UTMRC Desc: unknown UTM

Order No: 20200417004

Location Method: na

Formation Top Depth: 7
Formation End Depth: 65
Formation End Depth UOM: ft

## Annular Space/Abandonment

Sealing Record

**Plug ID:** 933113831

 Layer:
 1

 Plug From:
 7

 Plug To:
 20

 Plug Depth UOM:
 ft

## Method of Construction & Well

<u>Use</u>

Method Construction ID:

Method Construction Code:

Method Construction: Air Percussion

Other Method Construction:

### Pipe Information

**Pipe ID:** 10598975

Casing No: Comment: Alt Name:

### **Construction Record - Casing**

Casing ID: 930088091

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To:20Casing Diameter:6Casing Diameter UOM:inchCasing Depth UOM:ft

## Results of Well Yield Testing

**Pump Test ID:** 991528869

Pump Set At:

Static Level:4Final Level After Pumping:100Recommended Pump Depth:60Pumping Rate:15

Flowing Rate:

Recommended Pump Rate: 12
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1

Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

## **Draw Down & Recovery**

 Pump Test Detail ID:
 934105753

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 22

#### ft Test Level UOM:

#### **Draw Down & Recovery**

Pump Test Detail ID: 934907078 Test Type: Recovery 60 Test Duration: Test Level: 4 Test Level UOM: ft

### **Draw Down & Recovery**

Pump Test Detail ID: 934389378 Recovery Test Type: Test Duration: 30 8 Test Level: Test Level UOM: ft

### **Draw Down & Recovery**

934658553 Pump Test Detail ID: Test Type: Recovery Test Duration: 45 Test Level: 6 Test Level UOM: ft

### Water Details

Water ID: 933488751 Layer: 1 Kind Code: 5

Not stated Kind: Water Found Depth: 40 Water Found Depth UOM: ft

### Water Details

Water ID: 933488752 Layer: 2 Kind Code: 5 Kind: Not stated

Water Found Depth: 90 Water Found Depth UOM: ft

Database: Site: **WWIS** lot 12 ON

Order No: 20200417004

Data Entry Status: Well ID: 1526856

**Construction Date:** Data Src:

10/20/1992 Primary Water Use: **Domestic** Date Received: Sec. Water Use: Selected Flag: Yes

Final Well Status: Water Supply Abandonment Rec: Water Type: Contractor: 3323 Casing Material: Form Version:

NA Owner: Audit No: Street Name: Tag:

**Construction Method:** County: OTTAWA-CARLETON Elevation (m): Municipality: MARCH TOWNSHIP Elevation Reliability: Site Info:

Depth to Bedrock: Lot: 012 Well Depth: Concession:

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

Flow Rate: Clear/Cloudy: UTM Reliability:

## **Bore Hole Information**

Bore Hole ID: 10048544 0

DP2BR: Spatial Status:

**Bedrock** 

Code OB:

Code OB Desc: Open Hole:

Cluster Kind:

Date Completed:

7/11/1986

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

**Materials Interval** 

Formation ID: 931065364

Layer: Color: 7 General Color: **RED** Mat1: 21 **GRANITE** 

Most Common Material:

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 0 23 Formation End Depth: Formation End Depth UOM: ft

Overburden and Bedrock

**Materials Interval** 

931065366 Formation ID:

Layer: 3 Color: 2 General Color: **GREY** Mat1: GRANITE Most Common Material:

Mat2:

Other Materials: Mat3:

Other Materials:

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

Overburden and Bedrock

**Materials Interval** 

Formation ID: 931065365

2 Layer: Color: General Color: **GREY** Mat1: 21 **GRANITE** Most Common Material:

Mat2:

Other Materials:

Elevation: Elevrc:

Zone: 18

East83: North83: Org CS:

UTMRC: 9

UTMRC Desc: unknown UTM

Location Method: na Mat3:

Other Materials:

Formation Top Depth: 23 Formation End Depth: 100 Formation End Depth UOM: ft

## Annular Space/Abandonment

Sealing Record

Plug ID: 933112000

Layer: 1 Plug From: 0 Plug To: 20 Plug Depth UOM: ft

#### Method of Construction & Well

<u>Use</u>

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

**Method Construction:** Air Percussion

Other Method Construction:

### Pipe Information

Pipe ID: 10597114

Casing No: Comment: Alt Name:

## **Construction Record - Casing**

Casing ID: 930084995

21

Layer: 1 Material: Open Hole or Material: STEEL

Depth From:

Depth To: Casing Diameter:

6 Casing Diameter UOM: inch Casing Depth UOM:

## **Construction Record - Casing**

930084996 Casing ID:

Layer: 3 Material:

Open Hole or Material: **OPEN HOLE** 

Depth From: Depth To:

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

## Results of Well Yield Testing

Pump Test ID: 991526856

Pump Set At:

Static Level: 12 50 Final Level After Pumping: Recommended Pump Depth: 90 Pumping Rate: 10 Flowing Rate: Recommended Pump Rate: 10

Levels UOM: ft

Rate UOM: **GPM** Water State After Test Code: **CLEAR** Water State After Test: Pumping Test Method: 1 **Pumping Duration HR:** 4 **Pumping Duration MIN:** 

Flowing: Ν

### **Draw Down & Recovery**

934109020 Pump Test Detail ID:

Test Type:

Test Duration: 15 12 Test Level: Test Level UOM: ft

### **Draw Down & Recovery**

934910358 Pump Test Detail ID:

Test Type: 60 Test Duration: 12 Test Level: Test Level UOM: ft

### **Draw Down & Recovery**

934392654 Pump Test Detail ID:

Test Type: 30 Test Duration: Test Level: 12 Test Level UOM: ft

### **Draw Down & Recovery**

Pump Test Detail ID: 934653167

Test Type:

Test Duration: 45 Test Level: 12 Test Level UOM: ft

### Water Details

933486306 Water ID:

Layer: Kind Code:

Kind: **FRESH** Water Found Depth: 120 Water Found Depth UOM:

### Site: lot 12 con 3 GREELY ON

7045740 Data Entry Status:

Construction Date:

Primary Water Use: Domestic

Sec. Water Use:

Final Well Status: Test Hole

Water Type:

Well ID:

Casing Material:

Audit No: Z64742

A052502 Tag:

Construction Method: Elevation (m):

Elevation Reliability: Depth to Bedrock:

Data Src:

Date Received: 6/28/2007 Selected Flag: Yes

Abandonment Rec:

Contractor: 1119 Form Version: 3

Owner:

1934 STAGECOACH Street Name: **OTTAWA-CARLETON** County: OSGOODE TOWNSHIP Municipality:

Site Info:

Lot: 012

erisinfo.com | Environmental Risk Information Services

Order No: 20200417004

Database:

Well Depth:

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

Flow Rate: Clear/Cloudy: Concession:

Concession Name: Easting NAD83: Northing NAD83: 03

Order No: 20200417004

Zone:

UTM Reliability:

### **Bore Hole Information**

**Bore Hole ID:** 11768260

DP2BR: 19
Spatial Status:
Code OB: r
Code OB Desc: Bedrock

Open Hole: Cluster Kind:

Date Completed: 2/9/2007

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

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

### Overburden and Bedrock

Materials Interval

**Formation ID:** 933106528

Layer: 4

Color: General Color:

*Mat1:* 15

Most Common Material: LIMESTONE

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 22.86
Formation End Depth: 24.38
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

**Formation ID:** 933106526

Layer: 2

Color:

General Color:

*Mat1:* 15

Most Common Material: LIMESTONE

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 5.79
Formation End Depth: 15.24
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

**Formation ID:** 933106527

Layer: 3

Color:

General Color:

**Mat1:** 18

Most Common Material: SANDSTONE

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 15.24
Formation End Depth: 22.86
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

**Formation ID:** 933106525

Layer:

Color:

General Color:

Mat1:28Most Common Material:SANDMat2:11Other Materials:GRAVEL

Mat3:

Other Materials:

Formation Top Depth: 0
Formation End Depth: 5.79
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

**Formation ID:** 933106530

Layer: 6

Color: General Color:

**Mat1:** 15

Most Common Material: LIMESTONE

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 42.67
Formation End Depth: 48.77
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

**Formation ID:** 933106529

Layer: 5

Color: General Color:

**Mat1:** 18

Most Common Material: SANDSTONE

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 24.38
Formation End Depth: 42.67
Formation End Depth UOM: m

Annular Space/Abandonment

Sealing Record

**Plug ID:** 933322350

 Layer:
 1

 Plug From:
 7.92

 Plug To:
 4.88

 Plug Depth UOM:
 m

### Annular Space/Abandonment

Sealing Record

 Plug ID:
 933322351

 Layer:
 2

 Plug From:
 4.88

 Plug To:
 0

 Plug Depth UOM:
 m

### Method of Construction & Well

<u>Use</u>

Method Construction ID:
Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

## Pipe Information

Alt Name:

 Pipe ID:
 11775950

 Casing No:
 1

 Comment:
 1

### **Construction Record - Casing**

**Casing ID:** 930901845

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

 Depth From:
 7.92

 Depth To:
 48.77

Casing Diameter:

Casing Diameter UOM: cm
Casing Depth UOM: m

## Construction Record - Casing

**Casing ID:** 930901844

Layer: 1
Material: 1

 Open Hole or Material:
 STEEL

 Depth From:
 0

 Depth To:
 8.53

 Casing Diameter:
 15.88

 Casing Diameter UOM:
 cm

 Casing Depth UOM:
 m

## Results of Well Yield Testing

 Pump Test ID:
 11779669

 Pump Set At:
 45.72

 Static Level:
 3.99

 Final Level After Pumping:
 9.71

 Recommended Pump Depth:
 45.72

 Pumping Rate:
 22.71

 Flowing Rate:
 45.72

Recommended Pump Rate: 22.71
Levels UOM: m
Rate UOM: LPM

Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1

**Pumping Duration MIN:** 

Flowing:

### **Draw Down & Recovery**

Pump Test Detail ID:11836350Test Type:Draw Down

 Test Duration:
 1

 Test Level:
 5.18

 Test Level UOM:
 m

### **Draw Down & Recovery**

 Pump Test Detail ID:
 11836359

 Test Type:
 Recovery

 Test Duration:
 5

 Test Level:
 5.49

 Test Level UOM:
 m

### **Draw Down & Recovery**

Pump Test Detail ID: 11836360
Test Type: Draw Down

Test Duration: 10
Test Level: 7.63
Test Level UOM: m

### **Draw Down & Recovery**

 Pump Test Detail ID:
 11836365

 Test Type:
 Recovery

 Test Duration:
 20

 Test Level:
 4.19

 Test Level UOM:
 m

### **Draw Down & Recovery**

 Pump Test Detail ID:
 11836367

 Test Type:
 Recovery

 Test Duration:
 25

 Test Level:
 4.04

 Test Level UOM:
 m

## Draw Down & Recovery

Pump Test Detail ID:11836358Test Type:Draw DownTest Duration:5Test Lawring6 67

Test Level: 6.67
Test Level UOM: m

## **Draw Down & Recovery**

 Pump Test Detail ID:
 11836361

 Test Type:
 Recovery

 Test Duration:
 10

 Test Level:
 4.73

 Test Level UOM:
 m

#### **Draw Down & Recovery**

Pump Test Detail ID:11836362Test Type:Draw DownTest Duration:15

Test Duration: 15
Test Level: 8.04
Test Level UOM: m

#### **Draw Down & Recovery**

Pump Test Detail ID:11836370Test Type:Draw Down

 Test Duration:
 40

 Test Level:
 9.07

 Test Level UOM:
 m

## **Draw Down & Recovery**

 Pump Test Detail ID:
 11836372

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 9.71

Test Level UOM:

#### **Draw Down & Recovery**

Pump Test Detail ID:11836351Test Type:Recovery

 Test Duration:
 1

 Test Level:
 7

 Test Level UOM:
 m

#### **Draw Down & Recovery**

Pump Test Detail ID:11836355Test Type:Recovery

 Test Duration:
 3

 Test Level:
 6

 Test Level UOM:
 m

### **Draw Down & Recovery**

 Pump Test Detail ID:
 11836363

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 4.48

 Test Level UOM:
 m

#### Draw Down & Recovery

Pump Test Detail ID:11836368Test Type:Draw DownTest Duration:30

Test Level: 8.76
Test Level UOM: m

## **Draw Down & Recovery**

Pump Test Detail ID:11836356Test Type:Draw Down

 Test Duration:
 4

 Test Level:
 6.38

 Test Level UOM:
 m

#### **Draw Down & Recovery**

Pump Test Detail ID:11836371Test Type:Draw DownTest Duration:50

Test Level: 9.38
Test Level UOM: m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11836364

 Test Type:
 Draw Down

 Test Duration:
 20

 Test Level:
 8.45

 Test Level UOM:
 m

#### **Draw Down & Recovery**

Pump Test Detail ID:11836366Test Type:Draw Down

 Test Duration:
 25

 Test Level:
 8.6

 Test Level UOM:
 m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11836353

 Test Type:
 Recovery

 Test Duration:
 2

 Test Level:
 6.4

 Test Level UOM:
 m

#### **Draw Down & Recovery**

Pump Test Detail ID: 11836352
Test Type: Draw Down

 Test Duration:
 2

 Test Level:
 5.58

 Test Level UOM:
 m

#### **Draw Down & Recovery**

Pump Test Detail ID: 11836354
Test Type: Draw Down

Test Duration: 3
Test Level: 6.03
Test Level UOM: m

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 11836357

 Test Type:
 Recovery

 Test Duration:
 4

 Test Level:
 5.75

 Test Level UOM:
 m

## **Draw Down & Recovery**

 Pump Test Detail ID:
 11836369

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 3.99

 Test Level UOM:
 m

#### Water Details

Water ID: 934087510

Layer:

Kind Code:

Kind:

Water Found Depth: 41.15 Water Found Depth UOM: m

**Hole Diameter** 

Hole ID: 11854905 Diameter: 14.91 Depth From: 0 48.77 Depth To: Hole Depth UOM: m Hole Diameter UOM: cm

Site: Database: lot 12 ON

na

Order No: 20200417004

Well ID: 1535508 Data Entry Status:

**Construction Date:** Data Src: Primary Water Use: 5/28/2005 Date Received:

Sec. Water Use: Selected Flag: Yes Final Well Status: Abandonment Rec: Water Type: Contractor: 6907 Casing Material: Form Version: 3

Z17642 Audit No: Owner: Tag: Street Name:

OTTAWA-CARLETON **Construction Method:** County: Elevation (m): Municipality: **OTTAWA CITY** 

Elevation Reliability: Site Info: Depth to Bedrock: Lot: 012

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

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

Flow Rate:

UTM Reliability: Clear/Cloudy:

#### **Bore Hole Information**

11316047 Bore Hole ID: Elevation: DP2BR: Elevrc:

Spatial Status: Zone: Code OB: East83: Code OB Desc: No formation data North83:

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 5/10/2005 UTMRC Desc: Location Method:

Remarks:

Elevrc Desc: Location Source Date:

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

Supplier Comment:

## Method of Construction & Well

<u>Use</u>

**Method Construction ID: Method Construction Code:**  Method Construction: Other Method

Other Method Construction:

lot 11 ON

Pipe Information

 Pipe ID:
 11330902

 Casing No:
 1

Comment: Alt Name:

<u>Site:</u> Database:

**WWIS** 

Order No: 20200417004

\_\_\_\_

Well ID: 1531176 Data Entry Status:
Construction Date: Data Src:

Primary Water Use: Domestic Date Received: 6/12/2000

Sec. Water Use: Selected Flag: Yes
Final Well Status: Water Supply Abandonment Rec:

Water Type: Contractor: 6006
Casing Material: Form Version: 1

Audit No: 206814 Owner:
Tag: Street Name:

Construction Method:County:OTTAWA-CARLETONElevation (m):Municipality:MARCH TOWNSHIP

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

 Depth to Bedrock:
 Lot:
 011

 Well Depth:
 Concession:

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

Pump Rate: Easting NAD83:
Static Water Level: Northing NAD83:
Static Water Level: 7(All)

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

Clear/Cloudy:

**Bore Hole Information** 

 Bore Hole ID:
 10052710
 Elevation:

 DP2BR:
 25
 Elevrc:

Spatial Status: Zone: 18

 Code OB:
 r
 East83:

 Code OB Desc:
 Bedrock
 North83:

 Open Hole:
 Org CS:

 Cluster Kind:
 UTMRC:
 9

 Date Completed:
 5/26/2000

 UTMRC Desc:
 unknown UTM

 Remarks:
 Location Method:

Elevrc Desc:
Location Source Date:

Overburden and Bedrock

**Materials Interval** 

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

**Formation ID:** 931077739

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 22

Most Common Material: GREENSTONE

Mat2: 73
Other Materials: HARD

Mat3:

Other Materials:

Formation Top Depth: 25
Formation End Depth: 45

#### Formation End Depth UOM:

#### Overburden and Bedrock

Materials Interval

**Formation ID:** 931077738

ft

Layer: 1 Color: 6

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

Most Common Material: CLAY
Mat2: 13

Other Materials: BOULDERS

Mat3:85Other Materials:SOFTFormation Top Depth:0Formation End Depth:25Formation End Depth UOM:ft

## Overburden and Bedrock

**Materials Interval** 

**Formation ID:** 931077740

 Layer:
 3

 Color:
 1

 General Color:
 WHITE

 Mat1:
 21

 Most Common Material:
 GRANITE

Mat2: 73
Other Materials: HARD

Mat3:

Other Materials:

Formation Top Depth: 45
Formation End Depth: 60
Formation End Depth UOM: ft

## Annular Space/Abandonment

Sealing Record

**Plug ID:** 933116347

 Layer:
 1

 Plug From:
 0

 Plug To:
 20

 Plug Depth UOM:
 ft

#### Method of Construction & Well

<u>Use</u>

**Method Construction ID:** 

Method Construction Code:

Method Construction: Rotary (Air)

Other Method Construction:

## Pipe Information

**Pipe ID:** 10601280

Casing No:

Comment: Alt Name:

## Construction Record - Casing

**Casing ID:** 930092147

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:
Depth To: 40
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

#### **Construction Record - Casing**

**Casing ID:** 930092146

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To: 25
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

#### Results of Well Yield Testing

**Pump Test ID:** 991531176

Pump Set At:

Static Level: 7
Final Level After Pumping: 50
Recommended Pump Depth: 55
Pumping Rate: 35
Flowing Rate:

Recommended Pump Rate: 15 Levels UOM: ft

Rate UOM:

Water State After Test Code:

Water State After Test:

Pumping Test Method:

Pumping Duration HR:

Pumping Duration MIN:

O

Flowing:

GPM

1

CLEAR

1

CLEAR

0

N

#### **Draw Down & Recovery**

 Pump Test Detail ID:
 934121143

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 7

 Test Level UOM:
 ft

### **Draw Down & Recovery**

 Pump Test Detail ID:
 934913408

 Test Type:
 Recovery

 Test Duration:
 60

 Test Level:
 7

 Test Level UOM:
 ft

## **Draw Down & Recovery**

 Pump Test Detail ID:
 934665280

 Test Type:
 Recovery

 Test Duration:
 45

 Test Level:
 7

 Test Level UOM:
 ft

## **Draw Down & Recovery**

Pump Test Detail ID: 934396554

Test Type:RecoveryTest Duration:30Test Level:7Test Level UOM:ft

#### Water Details

*Water ID*: 933491540

Layer: 2 Kind Code: 1

Kind: FRESH
Water Found Depth: 45
Water Found Depth UOM: ft

## Water Details

*Water ID*: 933491539

Layer: 1

Kind Code: 1

Kind: FRESH
Water Found Depth: 30
Water Found Depth UOM: ft

## Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. **Note:** Databases denoted with " \* " indicates that the database will no longer be updated. See the individual database description for more information.

#### Abandoned Aggregate Inventory:

Provincial

AGR

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.\*

Government Publication Date: Sept 2002\*

Aggregate Inventory:

Provincial AGR

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

Government Publication Date: Up to Sep 2019

#### Abandoned Mine Information System:

Provincial

**AMIS** 

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

Government Publication Date: 1800-Oct 2018

#### Anderson's Waste Disposal Sites:

Private

**ANDR** 

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

#### Aboveground Storage Tanks:

Provincial

AST

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

#### **Automobile Wrecking & Supplies:**

Private

**AUWR** 

Order No: 20200417004

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-Jan 31, 2020

Borehole: Provincial BOR

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

Government Publication Date: 1875-Jul 2018

Certificates of Approval:

Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

Government Publication Date: 1985-Oct 30, 2011\*

Dry Cleaning Facilities: Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

Government Publication Date: Jan 2004-Dec 2017

Commercial Fuel Oil Tanks:

Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2017

<u>Chemical Register:</u> Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: 1999-Jan 31, 2020

#### **Compressed Natural Gas Stations:**

Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 2012 - Feb 2020

#### Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial COAL

Order No: 20200417004

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.\*

Government Publication Date: Apr 1987 and Nov 1988\*

Compliance and Convictions:

Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Nov 2019

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994-Mar 31, 2020

<u>Drill Hole Database:</u>

Provincial DRL

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Sep 2019

#### Environmental Activity and Sector Registry:

**EASR** On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose

Provincial

Provincial

Provincial

Order No: 20200417004

**FCA** 

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-Mar 31, 2020

Provincial **Environmental Registry: EBR** 

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

Government Publication Date: 1994-Mar 31, 2020

#### **Environmental Compliance Approval:**

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-Mar 31, 2020

#### **Environmental Effects Monitoring:**

Federal **EEM** 

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007\*

Private ERIS Historical Searches: **EHS** 

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Jan 31, 2020

#### **Environmental Issues Inventory System:**

Federal FIIS

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Government Publication Date: 1992-2001\*

#### Emergency Management Historical Event:

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Dec 31, 2016

Provincial **Environmental Penalty Annual Report: EPAR** 

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2019

#### List of Expired Fuels Safety Facilities:

Provincial

XP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

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

Government Publication Date: Feb 28, 2017

Federal Convictions: Federal FCON

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007\*

#### Contaminated Sites on Federal Land:

Federal

FCS

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

Government Publication Date: Jun 2000-Nov 2019

#### Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal FED TANKS

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

Government Publication Date: May 31, 2018

#### Fisheries & Oceans Fuel Tanks:

Federal

FOFT

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sep 2018

Fuel Storage Tank:

Provincial FST

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

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

Government Publication Date: Feb 28, 2017

#### Fuel Storage Tank - Historic:

Provincial

FSTH

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010\*

## Ontario Regulation 347 Waste Generators Summary:

Provincial

GEN

Order No: 20200417004

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-Jan 31, 2020

#### Greenhouse Gas Emissions from Large Facilities:

Federal

GHG

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO2 eq).

Government Publication Date: 2013-Dec 2017

TSSA Historic Incidents:

Provincial HINC

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

Government Publication Date: 2006-June 2009\*

#### Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

Government Publication Date: 1950-Aug 2003\*

Fuel Oil Spills and Leaks:

Provincial INC

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

Government Publication Date: Feb 28, 2017

#### **Landfill Inventory Management Ontario:**

Provincial

LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as 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 will include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Feb 28, 2019

<u>Canadian Mine Locations:</u> Private MINE

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

Government Publication Date: 1998-2009\*

Mineral Occurrences:

Provincial MNR

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

Government Publication Date: 1846-Jan 2020

#### National Analysis of Trends in Emergencies System (NATES):

Federal

NATE

Order No: 20200417004

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

Government Publication Date: 1974-1994\*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: Dec 31, 2018

#### National Defense & Canadian Forces Fuel Tanks:

Federal

**NDFT** 

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

Government Publication Date: Up to May 2001\*

#### National Defense & Canadian Forces Spills:

Federal

NDSP

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

Government Publication Date: Mar 1999-Apr 2018

#### National Defence & Canadian Forces Waste Disposal Sites:

Federal

NDWD

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

Government Publication Date: 2001-Apr 2007\*

#### National Energy Board Pipeline Incidents:

Federal

NEBI

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

Government Publication Date: 2008-Dec 31, 2019

#### National Energy Board Wells:

Federal

NEBP

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

Government Publication Date: 1920-Feb 2003\*

#### National Environmental Emergencies System (NEES):

Federal

NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets 'or Trends' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

Government Publication Date: 1974-2003\*

National PCB Inventory:

Federal

**NPCB** 

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

Government Publication Date: 1988-2008\*

#### National Pollutant Release Inventory:

Federal

NPRI

Order No: 20200417004

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-Feb 29, 2020

Ontario Oil and Gas Wells:

Provincial OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Jun 2019

#### **Inventory of PCB Storage Sites:**

Provincial

**OPCB** 

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Orders:

Provincial ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994-Mar 31, 2020

<u>Canadian Pulp and Paper:</u> Private PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

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

#### Parks Canada Fuel Storage Tanks:

Federal

PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005\*

Pesticide Register: Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: 1988 - Mar 2020

Provincial PINC Provincial PINC

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

Government Publication Date: Feb 28, 2017

## Private and Retail Fuel Storage Tanks:

Provincial

**PRT** 

Order No: 20200417004

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996\*

Permit to Take Water: Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994-Mar 31, 2020

#### Ontario Regulation 347 Waste Receivers Summary:

Provincial Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system

or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-2016

Provincial Record of Site Condition: **RSC** 

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Mar 2020

Private Retail Fuel Storage Tanks: **RST** 

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

Government Publication Date: 1999-Jan 31, 2020

#### Scott's Manufacturing Directory:

Private **SCT** 

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011\*

Ontario Spills: Provincial SPL

This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Government Publication Date: 1988-Aug 2019

#### Wastewater Discharger Registration Database:

Provincial SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-Dec 31, 2017

Anderson's Storage Tanks: Private TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953\*

## Transport Canada Fuel Storage Tanks:

Federal TCFT

Order No: 20200417004

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

Government Publication Date: 1970-Aug 2018

#### Variances for Abandonment of Underground Storage Tanks:

Provincial

VAR

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

Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2017

#### Waste Disposal Sites - MOE CA Inventory:

Provincial

WDS

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

Government Publication Date: Oct 2011-Mar 31, 2020

#### Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial

WDSH

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990\*

#### Water Well Information System:

Provincial

**WWIS** 

Order No: 20200417004

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: Feb 28, 2019

## **Definitions**

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

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

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

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

*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** 

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



## **POSITION**

Intermediate Environmental Engineer

## **EDUCATION**

Carleton University
M.A.Sc., Environmental Engineering, 2013
B.Eng., Environmental Engineering, 2008

## **MEMBERSHIPS & AWARDS**

Ontario Professional Engineers Association (EIT) NSERC Industry R&D Scholarship

## **EXPERIENCE**

2018 - Present

#### Paterson Group Inc.

Consulting Engineers
Geotechnical and Environmental Division
Environmental Engineer

2014 - 2015

#### **Thurber Engineering Limited**

Oil Sand Tailings Group Tailings Engineer

2009 - 2014

## **Carleton University**

Department of Civil & Environmental Engineering Research Engineer, Research Assistant & Teaching Assistant

2008 - 2009

## **SLR Consulting Limited**

Contaminated Sites
Junior Environmental Engineer

## **SELECTED LIST OF PROJECTS**

Phase I & II Environmental Site Assessments – NRC, Kingston Remediation – National Capital Region, Saskatchewan Multi-lift and dry-stacking pilot programs – Northern Alberta Polymer amended oil sand tailings – Northern Alberta Hydraulic cut-off wall – Allen, Saskatchewan Cemented paste backfill systems – Northern Ontario

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

# patersongroup

Geotechnical Engineering

Environmental Engineering

**Hydrogeology** 

Geological Engineering

**Materials Testing** 

**Building Science** 

Archaeological Services

## **POSITION**

Associate and Supervisor of the Environmental Division Senior Environmental/Geotechnical Engineer

## **EDUCATION**

Queen's University, B.A.Sc.Eng, 1991 Geotechnical / Geological Engineering

#### **MEMBERSHIPS**

Ottawa Geotechnical Group Professional Engineers of Ontario

#### **EXPERIENCE**

1991 to Present

Paterson Group Inc.

Associate and Senior Environmental/Geotechnical Engineer Environmental and Geotechnical Division Supervisor of the Environmental Division

## **SELECT LIST OF PROJECTS**

Mary River Exploration Mine Site - Northern Baffin Island

Agricultural Supply Facilities - Eastern Ontario

Laboratory Facility – Edmonton (Alberta)

Ottawa International Airport - Contaminant Migration Study - Ottawa

Richmond Road Reconstruction - Ottawa

Billings Hurdman Interconnect - Ottawa

Bank Street Reconstruction - Ottawa

Environmental Review - Various Laboratories across Canada - CFIA

Dwyer Hill Training Centre - Ottawa

Nortel Networks Environmental Monitoring - Carling Campus - Ottawa

Remediation Program - Block D Lands - Kingston

Investigation of former landfill sites - City of Ottawa

Record of Site Condition for Railway Lands - North Bay

Commercial Properties - Guelph and Brampton

Brownfields Remediation - Alcan Site - Kingston

Montreal Road Reconstruction - Ottawa

Appleford Street Residential Development - Ottawa

Remediation Program - Ottawa Train Yards

Remediation Program - Bayshore and Heron Gate

Gladstone Avenue Reconstruction – Ottawa

Somerset Avenue West Reconstruction - Ottawa