

871 Equestrian Court, Unit 1, Oakville, ON L6L 6L7 Tel: 647-795-8153 | www.pecg.ca

Phase One Environmental Site Assessment (ESA)

Black Bear Ridge Golf & Resort 449-501 Harmony Road, Corbyville

Project # 2200902

Prepared ForBlack Bear Ridge GP Inc



871 Equestrian Court, Unit 1, Oakville, ON L6L 6L7 Tel: 647-795-8153 | www.pecg.ca

August 2, 2024

Alex Sharpe Black Bear Ridge GP Inc. 501 Harmony Road Corbyville, ON K0K 1V0

Dear Alex Sharpe:

Re: Phase One Environmental Site Assessment, Black Bear Ridge Golf & Resort, 449-501

Harmony Road, ON

Project #: 2200902

We are pleased to present our Phase One Environmental Site Assessment (ESA) report for the abovenoted property. The scope of this Phase One ESA conforms to the requirements outlined in Ontario Regulation 153/04 and 407/19. This Phase One ESA does not include sampling or testing and is based solely on visual observations and a review of available or supplied factual data. The purpose of this Phase One ESA is to support a zoning approval application with the City of Belleville and is required to support filing of a Record of Site Condition (RSC) with the Ministry of the Environment, Conservation and Parks (MECP).

The report provides information from Palmer's site reconnaissance, historical record review, interviews with knowledgeable individuals, and our conclusions for your consideration.

We trust that this report will be satisfactory for your current needs. If you have any questions or require further information, please contact our office at your convenience.

Yours truly,

Palmer

PART OF

SUBJECT STATE OF SUBJECT STATE OF SUBJECT SUB

Sarah Vlantis B.Sc. P.Geo (limited) OPESA

Sarah Vlantis, B.Sc., P.Geo (limited), QP_{ESA} Team Lead, Land Quality & Remediation



Executive Summary

Palmer is pleased to provide this Phase One Environmental Site Assessment (ESA) report to Black Bear Ridge GP Inc. The Phase One ESA was prepared for the parcel of land located at 449-501 Harmony Road, Corbyville, Ontario (hereafter collectively referred to as the "Phase One Property").

It is Palmer's understanding that the purpose of this Phase One ESA is to support a zoning approval application with the City of Belleville and is required to support filing of a Record of Site Condition (RSC) with the Ministry of the Environment, Conservation and Parks (MECP). The Phase One Property (also referred to as the "Subject Property" or "Site") is contemplated for residential redevelopment. The Phase One ESA Report has been prepared in accordance with Schedule D of Ontario Regulation 407/19 (amending Ontario Regulation 153/04) under the Environmental Protection Act (EPA). The Phase One ESA includes an assessment of adjacent and neighbouring lands within a 250-metre (m) radius of the Phase One Property (hereafter referred to as the "Phase One Study Area").

The Phase One Property is a 76.5-hectare, irregular shaped, parcel of land located on the north side of Harmony Road, west of the intersection with Highway 37 in Corbyville, Ontario. The Site is operating as Black Bear Golf Club and has eleven (11) building structures which include one (1) retail store, two (2) conference buildings including a snack bar, one (1) detached bathroom, one (1) water filter shed, one (1) cart storage garage, one (1) pumphouse, one (1) golf equipment shed, and three (3) cabins. All buildings are constructed slab-on-grade. The remaining parts of the Site comprise asphalt-paved, grass, and gravel surfaced areas, as well as a woodlot and agricultural lands.

The Phase One Study Area ("surrounding area") covers land uses within a 250 metre (m) radius of the Phase One Property. The Phase One Study Area is partly developed with residential, parkland, institutional, and community land uses.

No areas of natural significance exist on the subject property or Phase One study area. Several man-made ponds were observed on the northwestern, and southeastern portions of the subject property. Additionally two (2) wetlands were observed in the northern portion of the site, and the southern and eastern portions of the site. A portion of the southern wetland is considered to be provincially significant. A tributary of the *Moira River* intersects the southern portion of the site and , flows southwestward to the *Moira River*.

Historically, the Site was first developed in 1956 with two narrow roads and small buildings or structures/barns. The property continued to be developed, with the construction of several man-made ponds starting in 1987. The current golf course operations were fully developed by 2011.

Based on the findings of the historical records review, Site reconnaissance, and personal interviews, it was concluded that four (4) potentially contaminating activities (PCAs) were identified either on the Phase One Property or within the Phase One Study Area. These PCAs were deemed to be contributing to four (4) areas of potential environmental concern (APECs) on the Phase One Property. The identified PCAs and APECs are as follows:



Table A. Summary of APECs and PCAs

APEC	Location of APEC on the Phase One Property	PCA	Location of PCA (On-Site or Off- Site)	Contaminants of Potential Concern (COPC)	Media Potentially Impacted (Ground water, Soil and/or Sediment)
APEC # 1 Golf Course Operations	North and Eastern Portions of Phase One Property	#40: Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing and Bulk Storage	On-Site – The Phase One Property currently operates as Black Bear Ridge Golf & Resort since the early 1990s. Reportedly, several pesticides, herbicides, and fungicides are applied to the golf course portion of the Phase One Property several times throughout the year	Organochlorine (OC) Pesticides	Soil and Ground Water
APEC# 2 Fill Materials of Unknown Quality	North and Eastern Portions of Phase One Property	#30: Importation of Fill Materials of Unknow Quality	On-Site- Fill materials of unknown quality were imported to site during site development of the golf course in the 1990s.	Petroleum Hydrocarbon (PHCs), Benzene, Toluene, Ethylbenzene, Xylene (BTEX), Volatile Organic Compounds (VOCs), Metals, As, Sb, Se, Hot-Water Soluble Boron (B-HWS), Cyanide (CN-), Hexavalent Chromium (Cr(VI)), Mercury (Hg), pH, Electrical Conductivity (EC) and Sodium Adsorption Ratio (SAR)	Soil
APEC # 3 Former Railway Tracks	Western Portion of Phase One Property	#46: Rail Yards, Tracks and Spurs	On-Site – A historic railway corridor was located in the western portion of the Phase One Property.	Polycyclic Aromatic Hydrocarbons (PAHs)	Soil and Ground Water
APEC #4 Agricultural Land	Western Portion of Phase One Property	#40: Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing and Bulk Storage	On-Site – Agricultural land use where application of pesticides has likely occurred since the early 2000s.	OC Pesticides	Soil and Ground Water



A Phase Two ESA is recommended to assess subsurface impacts as a result of the aforementioned PCAs and APECs. The scope of the Phase Two ESA should entail the analysis of representative soil and ground water samples from the Phase One Property for the contaminants of potential concern identified; including Petroleum Hydrocarbon (PHCs), Benzene, Toluene, Ethylbenzene, Xylene (BTEX), Volatile Organic Compounds (VOCs), Metals, As, Sb, Se, Hot-Water Soluble Boron (B-HWS), Cyanide (CN-), Hexavalent Chromium (Cr(VI)), Mercury (Hg), pH, Electrical Conductivity (EC) and Sodium Adsorption Ratio (SAR), Polycyclic Aromatic Hydrocarbons (PAHs), Polychlorinated Biphenyls (PCBs), and Organochlorine (OC) Pesticides.

The statements made in this Executive Summary are subject to the same limitations as contained in the report and should be read in conjunction with the entire report.



Table of Contents

Lette Exec		mmary	1
1.	Intro	oduction	6
	1.1	Phase One Property Information	6
	1.2	Scope of Investigation	
2.	Rec	ords Review	8
	2.1	General Records	8
		2.1.1 Phase One ESA Study Area Determination	8
		2.1.2 First Developed Use Determination	
		2.1.3 Fire Insurance Plans	8
		2.1.4 City Directory Search	8
		2.1.5 Chain of Title	
		2.1.6 Previous Environmental Reports	
	2.2	Environmental Source Information	11
		2.2.1 Municipal Records Database	
		2.2.2 Provincial Records Database	
		2.2.3 Federal Records Database	
		2.2.4 Private Records Database	
	2.3	Physical Setting Sources	
		2.3.1 Aerial Photographs	
		2.3.2 Topography, Hydrology, Geology	
		2.3.3 Fill Materials	
		2.3.4 Water Bodies, Areas of Natural Significance & Ground Water Information 2.3.5 Well Records	
	0.4		
	2.4	Site Operating Records	20
3.	Inte	rviews	21
4.	Pha	se One Property Reconnaissance	22
	4.1	Written Description of Investigation	22
	4.1	General Property Description	23
	4.2	Specific Property Observations	
		4.2.1 Structures and Other Improvements	
		4.2.2 Underground Utilities and Service Corridors	
		4.2.3 Interiors of Structures and Buildings	
		4.2.4 Exterior Portions of the Phase One Property	24
		4.2.5 Parts of the Phase One Property Not Covered by Structures	24
		4.2.6 Enhanced Investigation of the Property	24
	4.3	Written Description of Investigation	24
5 .	Rev	iew and Evaluation of Information	25
	5.1	Current and Past Uses	25
	5.2	Potentially Contaminating Activities (PCAs)	29

		5.2.1 Phase One Property	29
		5.2.2 Phase One Study Area	30
	5.3	Areas of Actual or Potential Environmental Concern	30
		5.3.1 Evaluation of Information	30
		5.3.2 Identified Areas of Potential Environmental Concern	
		5.3.3 Contaminants of Potential Concern	
		5.3.4 Information Gaps in Phase One Investigation	31
	5.4	Phase One Conceptual Site Model	31
6.	Con	clusions	35
	6.1	Whether a Phase Two ESA is Required	35
	6.2	Phase One ESA Alone	
	6.3	Signatures and Certification	
7.	Limi	tations of Report	37
8.	Refe	erences	38
List o	f Tak	oles	
Table 1.	Δ	erial Photograph Review Summary	14
Table 2.		Vell Water Records Review	
Table 3.		Photograph Summary	
Table 4.		and Use Summary for the Property with the PIN 40525-0213	
Table 5.		and Use Summary for the Property with the PIN 40527-0164	
Table 6.		and Use Summary for the Property with the PIN 40527-0181	
Table 7.		Summary of PCAs on the Phase One Property	
Table 8.		Summary of Identified APECs	
Table 9.		Summary of COPC	
List o	f Fig	ures	
Figure 1		Site Location Map	
Figure 2		Topographic Map	
Figure 3		Phase One Property	
Figure 4		Detailed Site Plan	
Figure 5		On-Site and Off-Site Areas of Potential Environmental Concern	
List o	f Ap	pendices	
Appendi	ix A	Photographic Documentation	
Appendi		Aerial Photographs	
Appendi		Legal Plan of Survey	
Appendi		Land Registry Documents	
Appendi		EcoLog ERIS Database Report	
Appendi		Municipal FOI Correspondence	
Appendi		MECP FOI Correspondence	
Appendi		TSSA Correspondence	
Appendi		List of PCAs (Schedule D (Table 2), O.Reg. 153/04)	
, who indi		2.5. 5. 6. (Solidadio D (Tablo 2), S. 100/04)	



1. Introduction

Palmer was retained by Black Bear Ridge GP Inc. (the 'Client') to conduct a Phase One Environmental Site Assessment (ESA) for the parcel of land located at 449-501 Harmony Road, Corbyville, ON (hereinafter referred to as the 'Phase One Property').

It is Palmer's understanding that the purpose of this Phase One ESA is to support a zoning approval application with the City of Belleville and is required to support filing of a Record of Site Condition (RSC) with the Ministry of the Environment, Conservation and Parks (MECP). The Phase One Property (also referred to as "Subject Property" or "Site") is contemplated for residential redevelopment. The Phase One ESA Report has been prepared in accordance with Schedule D of Ontario Regulation 407/19 (amending Ontario Regulation 153/04) under the Environmental Protection Act (EPA). The Phase One ESA includes an assessment of adjacent and neighbouring lands within a 250-metre (m) radius of the Phase One Property (hereafter referred to as the "Phase One Study Area").

At the time of the investigation, the Phase One Property was owned by Black Bear Ridge GP Inc and 449 Harmony Road Inc. The authorization for Palmer to proceed with the Phase One ESA was given by Alex Sharpe of Black Bear Ridge GP Inc. The contact information for the proponent is provided below:

<u>Company Name</u>: Black Bear Ridge GP Inc.

Company Address: 501 Harmony Road, Corbyville, ON, K0K 1V0

<u>Contact Name</u>: Alex Sharpe

Contact email: asharpe@blackbearridge.ca

1.1 Phase One Property Information

The Phase One Property is a 76.5- hectare irregular shaped, parcel of land located on the north side of Harmony Road, west of the intersection with Highway 37 in Corbyville, Ontario. The Site is currently operating as Black Bear Golf Club and has eleven (11) building structures which include one (1) retail store, two (2) conference buildings including a snack bar, one (1) detached bathroom, one (1) water filter shed, one (1) cart storage garage, one (1) pumphouse, one (1) golf equipment shed, and three (3) cabins. All buildings are constructed on-grade. The remaining parts of the Site comprise asphalt-paved, grass, and gravel surfaced areas, as well as a woodlot.

The subject property is located west of Highway 37, as shown in **Figure 1** and the photographs in **Appendix A** and **Appendix B**. The municipal address is 501 Harmony Road, Corbyville, ON and has three (3) Property Identification Numbers (PINs). The legal description and PINs of the Phase One Property includes:

- Part of Lot 9 Concession 5, Thurlow Part 1 21R4660, City of Belleville, County of Hastings, Province of Ontario; with PIN 40525-0213 (LT);
- Part of Lot 10, Concession 5, Thurlow, Part 1, 2, 3, 4, 5 21R22509; T/W Easement over Part 6, 7, 8, 9, 10, 11 21R22509 as in HT42508; S/T Easement over Part 2 21R22509 in favour of Part 1, 21R0313 & Part of Lot 8 Concession 5 as in QR56468 & Part 1 21R0119 & Part of Lot 10, Concession 5 as in QR498154 & Part of Lot 11 Concession 5, as in QR37428 and QR608086 Partially Released by HT147417 and Part 2 21R4660 as in HT42509, City of Belleville, Province of Ontario with PIN 40527-0164 (LT); and,



• Part of Lot 9, Concession 5 Thurlow Lying East of CNR as in QR547504 & Part 1, 21R20229; Part of Lot 10, Concession 5, Thurlow as in QR498154 Except Parts 1 to 5, 21R22509, Part of Lot 11, Concession 5 Thurlow as in QR374288, Part of Lot 11, Concession 5, Thurlow, QR608086 Except Part 1, 21R24097; Subject to an Easement As in QR126142; Subject to an Easement Over Parts 7 to 11; 21R22509 in Favor of Parts 1 to 5, 21R22509 as in HT42508; Subject to an Easement over Part 6, 21R22509 in Favor of Parts 1 to 5, 21R22509 as in HT42508; Subject to an Easement as in QR374288; Subject to an Easement as in QR84333; Together with an easement over Part 2, 21R22509 as in HT42509; City of Belleville, Province of Ontario with PIN 40527-0181 (LT).

A legal plan of survey for the Phase One Property is presented in **Appendix C**.

The center of the combined area of the Phase One Property is located in UTM Zone 17, with approximate coordinates of Easting 307687.57 m and Northing 4902951.17 m.

1.2 Scope of Investigation

The Phase One ESA was completed in accordance with Schedule D of Ontario Regulation 407/19 (amending Ontario Regulation 153/04) under the <u>EPA</u>. The purpose of the Phase One ESA is to establish if potential environmental impacts are likely to be present on the Phase One Property as a result of previous or current land use on or in the vicinity of the Phase One Property. The following key components were completed as part of the assessment:

- Review of historical information (i.e. previous reports, site operating records, fire insurance plans, aerial photographs, occupancy search, etc.);
- Reguest and review of applicable documents (i.e. maps, provincial and federal archives, etc.);
- Review of applicable federal and provincial databases;
- Site reconnaissance and interviews with knowledgeable site representatives;
- Collections of photographs showing the current and past uses of the Site and surrounding area, as well as potentially contaminating activities (PCAs) and areas of potential environmental contamination (APECs);
- Tables and maps summarizing and providing the location of each PCA and APEC;
- Evaluation of information from records review, interviews and site reconnaissance; and
- Completion of a conceptual site model (CSM).

The Phase One ESA report was prepared for use by Black Bear Ridge GP Inc. based on information collected by qualified Palmer staff members in April 2023. The Phase One ESA was prepared by Sylvia Babiarz, M.Env.Sc., and Kalina Naydenova, M.Sc. under direct supervision by Sarah Vlantis, B.Sc., P.Geo (limited), a "Qualified Person" (QP_{ESA}) as defined by Ontario Regulation 153/04. The qualifications of these Palmer members are summarized in Section 8.0.



2. Records Review

2.1 General Records

2.1.1 Phase One ESA Study Area Determination

The qualified person (QP), Sarah Vlantis, P. Geo (limited), overseeing this Phase One ESA determined that the conventional distance of 250 m from the Site boundaries was adequate for defining the Phase One Study Area for all records reviewed. The limits of the Phase One Study Area are depicted on **Figure**

2:1.2 First Developed Use Determination

The first developed use of the Phase One Property was determined through the records review as detailed throughout **Section 2** of the Phase One ESA report and summarized below.

An aerial photograph taken in 1956 revealed that the Phase One Property was a collection of vacant, undeveloped blocks with dense vegetation in some portions, with two narrow roads and small buildings or structures/barns.

An aerial photograph taken in 1976 showed the Phase One Property to remain vacant along with development of a pond like structure along the northern boundary.

Aerial photographs taken between 1967 and 1995 showed the Phase One Property to be further developed with a pond on the north side of the Phase One Property.

Aerial photographs taken between 2011 and 2020 showed the Phase One Property to be further developed into a golf course.

Aerial photographs are shown in **Appendix B**.

2.1.3 Fire Insurance Plans

Fire insurance plans (FIPs) were produced between the late 1880's until the 1970s for urban communities throughout Canada. FIPs provided an illustrated resource that detailed the materials, occupancies, and potential fire hazards of existing buildings. The locations of above and below ground fuel storage tanks (ASTs/USTs) were also depicted on these plans.

Environmental Risk Information Services (ERIS) was retained to conduct a search for available FIPs or inspection report related documents pertaining to the Phase One Property or Study Area in order to provide additional information regarding historic usage and development at the site. No FIPs were available for the Phase One Property or the study area.

2.1.4 City Directory Search

Palmer retained ERIS to conduct a search of available directories (from the Polk's and Digital Business Directory) for the Phase One Property and all adjacent properties located within the Study Area. Relevant information obtained from the directories search is summarized as follows:



Phase One Property

- 501 Harmony Road:
 - Black Bear Ridge Golf Course (2017-2021)
 - No Listing Found (2012)
 - o Address Not Listed (2000)
 - Street Not Listed (1997)

Phase One Study Area Properties

- 516 Harmony Road
 - No Listing Found (2021)
 - o Thurlow Community Centre (2000-2017)
 - Street Not Listed (1997)
- 1121 ON-37
 - No Listing Found (2017-2021)
 - C&B Cresting (2012)
 - Street Not Listed (2000)
 - o Address Not Listed (1997)
- 1281 ON-37
 - Trillium Wood Gold Club (2012-2021)
 - Street Not Listed (2000)
 - Address Not Listed (1997)
- 22 Ritz Road
 - o No listing found (2012, 2021)
 - United Industrial Supplies 1985 (2017)
 - Street Not Listed (1997-2000)

Summary

The Phase One Property was developed for parkland land uses, specifically Black Bear Ridge Golf Course by 2017. Before this the Site was vacant and undeveloped. Based on the above records, the Phase One Study Area was primarily undeveloped/vacant till at least 2000. Many of these properties were then redeveloped to support commercial and institutional land uses since at least 2012.

2.1.5 Chain of Title

There are three (3) Chain of Title for the Phase One Property (449-501 Harmony Road, Corbyville, ON). Palmer obtained the Chain of Title/Parcel Register records from ERIS, and pertinent information is summarized as follows:

Part of Lot 9 Concession 5, Thurlow Part 1 21R4660, City of Belleville, County of Hastings, Province of Ontario; has the PIN 40525-0213 (LT) and was created in 2004:

Year	Name of Owner
Prior to 17/05/1802	Crown
17/05/1802- 24/05/1811	David Yeoman
24/05/1811-12/01/1856	George Thompson



12/01/1856-28/06/1873	William Thompson
28/06/1873-23/02/1884	James Fuller
23/02/1884-29/12/1896	Reuben Hawley
29/12/1896-02/12/1946	Joseph Vanderwater
02/12/1946-13/03/1957	George Henry Vanderwater
13/03/1957-19/09/1978	Lyle G. Vanderwater
19/09/1978-27/07/1979	Gibson Patterson
27/07/1979-11/12/2014	Charles J. Bailey, Suzanne T. Bailey
11/12/2014-27/05/2019	Louis Bailey, Patricia Bailey & Monica Bailey
27/05/2019-01/09/2021	Patricia Bailey & Monica Bailey Inc
01/09/2021-present	449 Harmony Road Inc

Part of Lot 10, Concession 5, Thurlow, Part 1, 2, 3, 4, 5 21R22509; T/W Easement over Part 6, 7, 8, 9, 10, 11 21R22509 as in HT42508; S/T Easement over Part 2 21R22509 in favour of Part 1, 21R0313 & Part of Lot 8 Concession 5 as in QR56468 & Part 1 21R0119 & Part of Lot 10, Concession 5 as in QR498154 & Part of Lot 11 Concession 5, as in QR37428 and QR608086 Partially Released by HT147417 and Part 2 21R4660 as in HT42509, City of Belleville, Province of Ontario has the PIN 40527-0164 (LT) and was created in 2008:

Year	Name of Owner
Prior to 31/12/1798	Crown
31/12/1798- 26/12/1871	Russel Pitman
26/12/1871-09/02/1902	James Pitman
09/02/1902-30/01/1912	Joseph Kennedy
30/01/1912-12/04/1913	William Kennedy
12/04/1913-21/01/1970	John M. Reynolds
21/01/1970-22/03/1974	Boldren Estates Limited
22/03/1974-02/10/1979	Stanley Hurowitz
02/10/1979-27/11/1981	Brian Magee c.o.b. as Magee Farms
27/11/1981-04/09/2007	Foxkroft Station Ltd.
04/09/2007-18/02/2021	Brian Robert Boyd Leger Magee
18/02/2021-present	Black Bear Ridge GP Inc.

Part of Lot 9, Concession 5 Thurlow Lying East of CNR as in QR547504 & Part 1, 21R20229; Part of Lot 10, Concession 5, Thurlow as in QR498154 Except Parts 1 to 5, 21R22509, Part of Lot 11, Concession 5 Thurlow as in QR374288, Part of Lot 11, Concession 5, Thurlow, QR608086 Except Part 1, 21R24097; Subject to an Easement As in QR126142; Subject to an Easement Over Parts 7 to 11; 21R22509 in Favor of Parts 1 to 5, 21R22509 as in HT42508; Subject to an Easement over Part 6, 21R22509 in Favor of Parts 1 to 5, 21R22509 as in HT42508; Subject to an Easement as in QR374288; Subject to an Easement as in



QR84333; Together with an easement over Part 2, 21R22509 as in HT42509; City of Belleville, Province of Ontario has the PIN 40527-0181 (LT) and was created in 2013:

Year	Name of Owner			
Prior to 17/05/1802	Crown			
17/05/1802-24/05/1811	David Yeoman			
24/05/1811-09/04/1816	George Thompson			
09/04/1816-07/11/1853	William Thompson Sr			
07/11/1853-24/04/1879	John Thompson			
24/04/1879-23/02/1893	William Thompson Jr			
23/02/1893-19/02/1906	William Sprague & Elizabeth Sprague			
19/02/1906-16/03/1918	William Tracey			
16/03/1918-03/04/1919	William A. Williams			
03/04/01919-04/12/1948	Frank Guay			
04/12/1948-19/01/1956	John Peter Guay			
19/01/1956-15/09/1967	Jesse Edward Chatten			
15/09/1967-24/11/1972	John Holcroft			
24/11/1972-03/11/1975	Foxboro Cheese Company Limited			
03/11/1975-29/04/1977	Ault Foods (1975) Limited			
29/04/1977-01/10/1997	GIB Patterson Enterprises Limited			
01/10/1997-06/06/2002	Foxkroft Station Ltd			
11/02/2015-present	Black Bear Ridge GP Inc			

A copy of this record is provided in **Appendix D**.

2.1.6 Previous Environmental Reports

No previous environmental reports were available for review.

2.2 Environmental Source Information

The EcoLog ERIS (ERIS) system provides information from federal, provincial and private source databases and was searched for information relating to the Phase One Property. The EcoLog report is presented in **Appendix E**.

Each database is divided into records that present information such as company name, addresses, descriptions, status and other pertinent information. Records that fell within 250 m from the Phase One Property (Phase One Study Area) were extracted from the database for review.



2.2.1 Municipal Records Database

A written request was filed on June 6, 2023 for information concerning control orders, violation notices, and other environmental concerns for the Phase One Property with the City of Belleville Records and Freedom of Information Department. No information has been received to date. Any forthcoming documentation from the aforementioned regulatory agency will be reviewed, and if the response specifies any environmental concerns, it will be addressed and forwarded to the Client. A copy of this correspondence is presented in **Appendix F**.

2.2.2 Provincial Records Database

A Freedom of Information request was filed on June 6, 2023 for information relating to any control orders, violation notices, or other environmental concerns with the MECP. No information has been received to date. Any forthcoming documentation from the aforementioned regulatory agency will be reviewed, and if the response specifies any environmental concerns, it will be addressed and forwarded to the Client. A copy of the MECP response is presented in **Appendix G**.

A total of forty (40) provincial records were available for the Phase One Property and one hundred and one (101) records for the 250 m search radius from ERIS. The records are summarized as follows, with identification of existence of a PCA:

- i. Certificates of Approval One (1) record for the 250 m search radius. These records relate to municipal and private sewage approvals for Harmony Public School located at 626 Harmony Road. The project description is a subsurface disposal facility with design capacity less than 15m³/d. This record is related to a private septic system and poses a low environmental concern to the Phase One Property.
- ii. Environmental Activity and Sector Registry One (1) record exists for the 250 m search radius. This record relates to a waste management system operated by JHD Junk Removal located at 541 Harmony RD in 2017. Additional details about the waste management system are described in the record. Based on available aerial imagery it is appears that this address is used for residential purposes. This record is not considered to pose an environmental concern to the Phase One Property.
- **iii. Environmental Registry** One (1) record exists for the 250 m search radius. This record relates to an environmental compliance approval (ECA) for a project related to sewage works in 2014 at the Hastings and Prince Edward District School Board located at 626 Harmony Road Belleville. This record is not considered to pose an environmental concern to the Phase One Property.
- iv. Environmental Compliance Approval Two (2) records exist for the 250 m search radius. Both the records are for municipal and private sewage works for of Hastings and Prince Edward District School Board located at 626 Harmony Road Belleville. The ECA describes that the work is related to upgraded on-site sewage works to treat domestic sewage and will include a septic tank, balancing tank, Whitewater treatment system, and denitrification system. These records are not considered to pose an environmental concern to the Phase One Property.
- v. Ontario Regulation 347 Waste Generators Summary Five (5) records exist for the Phase One Property and four (4) records exist for the 250 m search radius and are related to the following:



- Generation of waste crankcase oils & lubricants between 2020-2022 by Black Bear Ridge GP Inc at 501 Harmony Road. These records are considered to pose an environmental concern to the Phase One Property (APEC#1)
- 2. Generation of unspecified waste between 2003-2004 by 1126542 Ontario Limited located at 575 Harmony Road, Belleville. Due to a lack of detailed information this record is not considered to pose an environmental concern to the Phase One Property
- **3.** Generation of waste oils/sludges (petroleum based), inert organic waste between 2018-2020 by Belleville Fire and Rescue-Fire Hall located at 516 Harmony Road. This record is considered to pose a low environmental concern to the Phase One Property due to being located hydraulically down-gradient from the Phase One Property.
- vi. Non-Compliance Reports Three (3) records exist in the 250 m radius. The records are related to non-compliance approvals/permits in 2015 and 2017 committed by The Hastings and Prince Edward District School located at 626 Harmony Road. The records indicate that there was a discharge and exceedances of total nitrogen. The record specifies that voluntary abatement programs were conducted including equipment modifications and reparations. This record is considered to pose a low environmental concern to the Phase One Property due to the type of record and is located hydraulically down-gradient from the Phase One Property.
- vii. Pesticide Register Three (3) records exist in the 250 m search radius. These records are related to Weed Warriors II, a pesticide operator located at 445 Harmony Road. Based on available aerial imagery it is appears that this address is used for residential purposes and large quantities of pesticides and chemicals are not likely stored at this property. This record is not considered to pose an environmental concern to the Phase One Property.
- viii. Permit to Take Water Two (2) records exist for Phase One Property and are related to a permit to take water issued to Black Bear Ridge GP Inc. in 2014 for 501 Harmony Road for the purpose of golf course irrigation from the Moira River. These records are not considered to pose an environmental concern to the Phase One Property.
- ix. Water Well Information System Thirty-three (33) record exists for the Phase One Property and eighty-six (86) records exist for the 250 m search radius. The records for the Phase One Property indicates the installation of a domestic wells to a maximum depth of 61.2 m below the ground surface in 2013. The records for Phase One Study Area relate to domestic, observation, public and abandoned wells advanced to a maximum depth of 32.3 m below the ground surface in the vicinity of the Phase One Property. These records are not considered to pose an environmental concern to the Phase One Property.

2.2.3 Federal Records Database

No Federal Records were found for the Phase One Property or within a 250 m search radius.



2.2.4 Private Records Database

A written request was made with a Customer Service Advisor with the Technical Standards and Safety Authority (TSSA) on June 6, 2023, for additional information regarding any storage tanks associated with the Phase One Property and/or Phase One Study Area. A response dated June 6, 2023, revealed that no fuel storage tank records were located for the Phase One Property and the adjoining properties within the Phase One Study Area. A copy of the TSSA correspondence and records are presented in **Appendix H**.

No Private Records were found for the Phase One Property or within a 250 m search radius.

2.3 Physical Setting Sources

2.3.1 Aerial Photographs

Aerial photographs for select years between 1956 and 2020 were reviewed to assist in the determination of historic land uses and development of the Phase One Property and Study Area. Aerial photographs were obtained from ERIS, and Google Earth.

Copies of reviewed aerial photographs are provided in **Appendix B**, and are summarized in **Table 1**, below.

Table 1. Aerial Photograph Review Summary

Date	Phase One Property	Adjacent Properties within Study Area
1956	 The property appears to be comprised of vacant, undeveloped land with dense tree cover along the western boundary. Two narrow roads appear to be running parallel through the property. One, located on the eastern portion of the site leads to a small dwelling or structure in the northern portion of the Site. The second, located on the western portion of the Site runs through the entire property. Small dwellings or structures are observed in the southwestern and southeastern corners of the site boundaries 	 The study area is comprised of vacant, undeveloped parcels of agricultural land with very few residential developments adjacent to Harmony Road Harmony Road appears to be very narrow and not in its current configuration.
1967	 The property continues to be comprised of several undeveloped parcels of land. The western road leading through the entire Site appears to be widened. 	 Harmony Road appears to be widened and constructed in its current configuration. Several residential developments have been constructed along Harmony Road.
1976	 A rectangular excavation in the northern portion of the property is observed 	The study area continues to become more developed with residential properties
1987	 Three (3) ponds were constructed on the Phase One Property The structure in the central portion of the site appears to be reconstructed 	 The study area continues to become more developed with residential properties. Two institutional/ commercial properties appear to be under construction south of Harmony Road



1995	Additional ponds appear to be constructed in the eastern portion of the site	The two institutional/ commercial properties appear to be under further developed south of Harmony Road
2011	 The golf course appears to be developed. All existing resort buildings along with parking spaces could be seen along the northern boundary. Vacant land along the western boundary. Several ponds and golf courses are evidently visible. 	 Residential dwellings can be seen along the southern boundary of the property. Land to the north and east of the Phase One Property is further developed with the golf course Vacant fields are present along western boundary.
2020	No significant changes evident.	No significant changes evident.

Summary:

In 1976, development of a manmade pond is seen on the Phase One Property which is clearly visible and filled with water in year 1976. Dense vegetation covers the western boundary of the Phase One Property and residential buildings outside southern boundary of the Project Area appear in year 1987, followed by the addition of more buildings and houses in 1995. In 2011, there appears a developed golf course for the first time. Thereafter, no significant changes appear on the Phase One Property or the Phase One Study Area.

2.3.2 Topography, Hydrology, Geology

The Phase One Property is located at a topographic elevation of approximately 120 m above mean sea level. Topography at and in the general vicinity of the Site is relatively flat with a drop in elevation to the southwest, as shown in **Figure 2**.

The Phase One Property is located within the broad physiographic region known as the Napanee Plain (Chapman and Putnam, 1984). This region generally comprises a flat to undulating plain of limestone that was mostly stripped of overburden by glacial action, with localized glacial till deposits occurring in valleys incised into the rock surface.

Local surficial geologic mapping (The Ontario Geological Survey, 2003) of the Belleville area indicates that stone-poor, sandy silt to silty sand-textured till on Paleozoic terrain and organic deposits of peat, muck and mark, underlie the Phase One Property.

Bedrock geologic mapping of Ontario (The Ontario Geological Survey, 1990) indicates that the glacially derived overburden soil at the Phase One Property is underlain by middle Ordovician Age bedrock consisting of limestones, dolostones akrose, sandstone and shales of the Bobcaygeon, Gull River and Verulam Formations.

A Radon Potential Map of Ontario revealed that the subject property is located within Zone 3 (Radon Potential Map Ontario, 2013). This Zone is designated as a high relative radon hazard. However, as all buildings are constructed slab-on-grade, there is minimal hazard.



No areas of natural significance exist on the subject property or Phase One study area. Several man-made ponds were observed on the northwestern, and southeastern portions of the subject property. Two (2) wetlands were observed on the subject property. These wetlands are located in the northern portion of the site, and the southern and eastern portions of the site. A small portion of the southern wetland is considered to be provincially significant. A tributary of the *Moira River* intersects the southern portion of the site and , flows southwestward to Moira River.

The local hydrogeology is controlled by this waterbody, the underlying geology, and the topography and is surmised to be directed southwestward.

Regional ground water flow is expected to be southwards towards the Moira River. The static ground water level in the vicinity of the Phase One Property is noted to be between 0.6. and 19.5 m below existing grade based on well records in the vicinity of the Phase One Property.

2.3.3 Fill Materials

Fill materials of unknown quality were likely imported to the Phase One Property during site development of the existing golf course. Thes fill materials are considered to pose an environmental concern to the Phase One Property (APEC#2)

2.3.4 Water Bodies, Areas of Natural Significance & Ground Water Information

No areas of natural significance exist on the subject property or Phase One study area. Several man-made ponds were observed on the northwestern, and southeastern portions of the subject property. Additionally, two (2) wetlands were observed in the northern portion of the site, and the southern and eastern portions of the site. A portion of the southern wetland is considered to be provincially significant. A tributary of the *Moira River* intersects the southern portion of the site and flows southwestward to *Moira River*.

Local source water protection mapping (Source Protection Information Atlas, 2020) of the Corbyville area indicates there are no well-head protection areas or significant ground water recharge areas in the vicinity of the Phase One Property. In addition, a highly vulnerable aquifer was noted to be present on the Phase One Property.

There are thirty-three (33) well records for the Phase One Property and eighty-six (86) records for the 250 m search radius. The records relate to domestic, observation, public and abandoned wells advanced to a maximum depth of 32.3 m below the ground surface in the vicinity of the Phase One Property.

2.3.5 Well Records

As previously discussed in Section 2.2.2, there are thirty-three (33) well record for the Phase One Property and eighty-six (86) well records within a 250 m search radius. These records relate to domestic, monitoring, test holes, and abandoned wells on the Phase One Property and in the Phase One Study Area.

A review of these records does not provide detailed information however; available data is summarized as follows:



Table 2. Well Water Records Review

Well ID	Location	Depth (m)	Water Level (m)	Installation Date	Well Use	Status
7213222	501 Harmony Rd	61.2	-	October 24, 2013	Not Used	Abandoned
7213221	501 Harmony Rd	19.8	-	October 24, 2013	Domestic	Abandoned
7213210	501 Harmony Rd	24.6	5.2	October 01, 2013	Domestic	Water Supply
7213211	561 Harmony Rd	24.6	5.6	September 29, 2013	Domestic	Water Supply
2904006	Lot 12 Con 5	8.5	4.8	June 28, 1968	Domestic	Water Supply
7152520	501 Harmony Rd.	26.5	-	September 07, 2010	Not Used	Abandoned
7154173	501 Harmony Rd.	16.1	-	October 18, 2010	Not Used	Abandoned
7167155	501 Harmony Rd.	15.5	6.1	July 14, 2011	Domestic	Water Supply
7213208	501 Harmony Rd.	18.5	8.0	October 04, 2013	Domestic	Water Supply
7167154	501 Harmony Rd.	21.3	9.3	July 04, 2011	Domestic	Water supply
7154171	501 Harmony Rd.	12.4	4.6	October 28, 2010	Domestic and Test Hole	Water Supply
7213209	501 Harmony Rd.	24.6	-	September 30, 2013	Domestic	Water Supply
7155672	501 Harmony Rd.	12.1	3.4	November 16, 2010	Domestic	Water Supply
7159891	501 Harmony Rd.	12.4	3.5	February 24, 2011	Domestic	Water Supply
7155673	501 Harmony Rd.	12.4	2.9	November 08, 2010	Domestic	Water Supply
7152519	501 Harmony Rd.	12.1	2.3	September 15, 2010	Domestic	Water Supply
7159892	501 Harmony Rd.	11.2	0.6	January 11, 2011	Domestic	Water Supply
7150671	501 Harmony Rd.	13.4	2.6	August 26, 2010	Domestic	Water Supply
2920485	Harmony Rd RR1	29.26	8.35	October 08, 2004	Commercial	Water Supply
7137686	501 Harmony Rd.	-	-	January 06, 2010	-	Abandoned
2905402	Lot 9 Con 5	13.4	6.0	August 18, 1971	Domestic	Water Supply
7144282	501 Harmony Rd.	12.1	4.7	April 22, 2010	Domestic	Water Supply
2903191	Lot 9 Con 5	12.1	6.0	August 08, 1967	Domestic	Water Supply
7168720	501 Harmony Rd	13.4	3.4	August 26, 2011	Domestic	Water Supply
7168721	501 Harmony Rd	13.1	3.1	August 18, 2011	Domestic	Water Supply
7169616	501 Harmony Rd	14.3	4.2	September 07, 2011	Domestic	Water Supply
7169615	501 Harmony Rd	14.3	3.8	September 15, 2011	Domestic	Water Supply
7168722	501 Harmony Rd	12.4	3.3	August 09, 2011	Domestic	Water Supply
7173694	501 Harmony Rd	12.8	3.4	July 29, 2011	Domestic	Water Supply
7144259	501 Harmony Rd	14.6	3.2	April 29, 2010	Domestic and Monitoring	Water Supply
2906477	Lot 8 Con 4	6.0	2.4	July 04, 1974	Domestic	Water Supply



Well ID	Location	Depth (m)	Water Level (m)	Installation Date	Well Use	Status
7167151	501 Harmony Rd	14.0	2.2	July 22, 2011	Domestic	Water Supply
7167152	501 Harmony Rd	14.0	2.2	July 11, 2011	Domestic	Water Supply
2903196	Lot 10 Con 5	15.5	4.5	July 10, 1962	Domestic	Water Supply
2903197	Lot 10 Con 5	14.6	6.0	November 22, 1963	Domestic	Water Supply
2903198	Lot 10 Con 5	18.2	6.0	November 28, 1963	Domestic	Water Supply
2903201	Lot 11 Con 5	24.3	6.0	August 10, 1955	Domestic	Water Supply
7262830	ON	-	-	March 01, 2016	-	-
2903114	Lot 11 Con 4	7.3	0.9	August 27, 1951	Domestic	Water Supply
2903192	Lot 10 Con 5	10.0	3.0	September 18, 1951	Livestock and Domestic	Water Supply
2903199	Lot 10 Con 5	22.8	-	September 28, 1965	-	Abandoned
7266747	626 Harmony Rd	-	-	May 13, 2016	Monitoring	Abandoned
2904449	Lot 9 Con 5	10.6	5.4	March 05, 1970	Domestic	Water Supply
2905311	Lot 9 Con 5	12.1	-	May 01, 1972	Domestic	Water Supply
2903194	Lot 10 Con 5	9.1	6.7	June 17, 1960	Domestic	Water Supply
2903190	Lot 9 Con 5	12.1	3.0	March 15, 1965	Domestic	Water Supply
2909173	Lot 9 Con 5	10.6	6.0	August 10, 1979	Domestic	Water Supply
7266817	626 Harmony Rd.	10.5	-	June 07, 2016	Monitoring	Replacement Well
2904011	Lot 9 Con 5	10.0	3.0	April 23, 1968	Domestic	Water Supply
2903092	Lot 9 Con 4	10.0	4.8	November 03, 1961	Domestic	Water Supply
7234404	Lot 11 Con 4	-	-	-	-	-
2903193	Lot 10 Con 5	14.9	3.3	November 03, 1959	Domestic	Water Supply
2903200	Lot 10 Con 5	12.4	4.5	September 30, 1965	Domestic	Water Supply
2904004	Lot 9 Con 5	6.7	1.8	December 06, 1968	Domestic	Water Supply
2903106	Lot 10 Con 4	15.8	4.2	July 06, 1962	Commercial	Water Supply
2903113	Lot 10 Con 4	21.3	6.0	January 23, 1967	Public	Water Supply
7278389	626 Harmony Road	-	-	December 15, 2016	-	-
2904225	Lot 11 Con 4	22.8	6.7	July 10, 1968	Public	Water Supply
2904148	Lot 8 Con 4	8.8	2.4	March 06, 1969	Domestic	Water Supply
2904013	Lot 9 Con 4	5.4	0.9	May 14, 1968	Domestic	Water Supply
2903091	Lot 9 Con 4	7.6	4.2	April 12, 1961	Industrial	Water Supply
2903195	Lot 10 Con 5	15.2	4.5	June 22, 1960	Domestic	Water Supply
2917701	Lot 9 Con 5	15.2	0.9	January 16, 1998	Domestic	Water Supply



Well ID	Location	Depth (m)	Water Level (m)	Installation Date	Well Use	Status
2917702	Lot 9 Con 5	39.6	2.4	January 28, 1998	Domestic	Water Supply
2918486	Lot 9 Con 5	39.6	-	November 17, 1999	Not Used	Abandoned
2911842	Lot 9 Con 5	28.6	4.5	November 12, 1987	Domestic	Water Supply
2903096	Lot 10 Con 4	19.5	4.5	July 15, 1960	Public	Water Supply
2917714	Lot 10 Con 5	13.7	0.7	February 17, 1998	Domestic	Test Hole
2917715	Lot 10 Con 5	11.5	-	February 10, 1998	Not Used	Unfinished
2917716	Lot 10 Con 5	14.0	4.5	February 03, 1998	Domestic	Water Supply
2917873	Lot 10 Con 5	19.8	3.8	August 17, 1998	Domestic	Water Supply
2917874	Lot 10 Con 5	16.7	3.6	August 28, 1998	Domestic	Water Supply
2917875	Lot 10 Con 5	30.4	2.8	August 24, 1998	Domestic	Water Supply
2917914	Lot 10 Con 5	18.5	8.5	September 07, 1998	Domestic	Water Supply
2918005	Lot 10 Con 5	10.9	1.8	December 16, 1998	Domestic	Water Supply
2915694	Lot 10 Con 5	10.6	0.4	June 23, 1993	Not Used	Water Supply
2916930	Lot 10 Con 5	24.0	19.5	November 09, 1995	Domestic	Water Supply
7278390	626 Harmony Rd	-	-	December 15, 2016	-	-
7050008	Lot 10 Con 4	23.1	7.5	August 20, 2007	Public	Water Supply
2904305	Lot 9 Con 4	11.8	3.6	August 14, 1969	Domestic	Water Supply
2904453	Lot 9 Con 4	8.5	5.4	February 07, 1970	Domestic	Water Supply
2904514	Lot 8 Con 4	10.3	3.3	July 11, 1969	Domestic	Water Supply
7050044	Lot 10 Con 4	22.0	6.14	August 20, 2007	Public	Water Supply
7262831	ON	-	-	March 15, 2016	-	-
7282661	552 Harmony Rd	22.0	-	July 07, 2017	Public	Abandoned
7317849	567 Harmony Road	9.7	-	June 12, 2018	Domestic	Water Supply
2903187	Lot 8 Con 5	10.6	6.0	August 23, 1959	Domestic	Water Supply
2918837	Lot 11 Con 5	12.1	-	February 21, 2000	Not Used	Test Hole
2918838	Lot 11 Con 5	10.6	1.2	January 26, 2000	-	Water Supply
2918839	Lot 11 Con 5	5.7	1.1	January 20, 2000	-	Observation Well
2918843	Lot 11 Con 5	12.1	0.6	February 25, 2000	-	-
2918891	Lot 11 Con 5	-	-	August 09, 2000	Not Used	Abandoned
2917796	Lot 11 Con 5	22.8	1.2	June 02, 1998	Domestic	Test Hole
2917797	Lot 11 Con 5	12.1	1.9	June 05, 1998	Domestic	Water Supply
2917798	Lot 11 Con 5	15.2	5.7	June 10, 1998	Domestic	Water Supply



Well ID	Location	Depth (m)	Water Level (m)	Installation Date	Well Use	Status
2917799	Lot 11 Con 5	12.4	3.8	June 16, 1998	Domestic	Water Supply
2917800	Lot 11 Con 5	19.8	2.2	June 22. 1998	Domestic	Water Supply
2911409	Lot 11 Con 5	26.8	2.7	October 14, 1986	Domestic	Water Supply
2911845	Lot 11 Con 5	32.3	9.1	December 14, 1987	Domestic	Water Supply
2916901	Lot 11 Con 5	11.8	3.2	October 06, 1995	Domestic	Water Supply
2916902	Lot 11 Con 5	12.4	3.3	October 03, 1995	Domestic	Water Supply
2917675	Lot 11 Con 5	25.9	4.5	November 12, 1997	Domestic	Water Supply
2917676	Lot 11 Con 5	25.9	7.3	November 11, 1997	Domestic	Water Supply
2917677	Lot 11 Con 5	30.4	18.2	November 07. 1997	Not Used	Abandoned
2917678	Lot 11 Con 5	12.1	5.1	November 05, 1997	Domestic	Water Supply
2917679	Lot 11 Con 5	9.1	-	November 04, 1997	Domestic	Water Supply
2917680	Lot 11 Con 5	11.2	2.0	October 29, 1997	Domestic	Water Supply
2917673	Lot 11 Con 5	30.7	7.6	November 14, 1997	Domestic	Water Supply
2917674	Lot 11 Con 5	21.3	-	November 27, 1997	Not Used	Abandoned
2919825	ON	-	-	May 23, 2003	-	Abandoned
2919824	ON	-	-	April 23, 2003	-	Abandoned
7341597	644 Harmony Road	-	6.6	September 04, 2019	-	Water Supply
2905892	Lot 8 Con 5	6.0	2.4	June 20, 1973	Domestic	Water Supply
2911864	Lot 8 Con 5	10.0	3.3	September 01, 1987	Domestic	Water Supply
2911977	Lot 8 Con 5	13.1	2.4	April 13, 1988	Domestic	Water Supply
2909296	Lot 11 Con 5	15.2	9.1	November 06, 1979	Livestock	Water Supply
7301528	567 Harmony Rd	15.2	4.0	October 06, 2017	Domestic	Water Supply
7314333	567 Harmony Road	14.0	4.2	June 11, 2018	Domestic	Water Supply
7317869	567 Harmony Road	14.0	3.9	June 11, 2018	Domestic	Water Supply

2.4 Site Operating Records

Due to the existing parkland use, the Phase One Property is not considered an enhanced investigation property.



3. Interviews

An interview was conducted by Palmer with Greg Fach (Black Bear Ridge GP Inc.) on April 21, 2023. Pertinent information provided is summarized as follows:

- Greg Fach is the superintended of Black Bear Ridge and has been employed here for over seventeen (17) years;
- Currently, there are eleven (11) buildings and structures on the Phase One Property and include the following:
 - One (1) retail store referred to as the Proshop which includes retail storage and offices;
 - Two (2) conference buildings and one includes a snack bar. Any cooking oil used is disposed of in a bucket and taken off site;
 - One (1) detached bathroom;
 - One (1) water filter shed, which includes a water storage tank;
 - One (1) cart storage garage. No fueling or maintenance of the carts occurs on the Phase One Property;
 - One (1) pumphouse located on the western portion of the site next to one of the large ponds;
 - One (1) golf equipment shed that is currently empty but will used to hold mini-putt equipment;
 - Three (3) cabins range from 1 to 3 bedrooms and host their guests.
- No fueling or chemical storage occurs on-site;
- The Phase One Property gets sprayed with pesticides on an as needed basis and can occur several times in a week during the summer; and,
- The property is proposed for residential redevelopment.



4. Phase One Property Reconnaissance

4.1 Written Description of Investigation

The purpose of the Site reconnaissance was to determine if APECs exist, through observations about current and past uses and PCAs on, in or under the Phase One Property and within the Phase One Study Area, as well as to identify potential contaminant pathways. Exterior observations of the Phase One Property and surrounding properties were conducted. The exterior observations were recorded by walking over the grounds. Adjoining properties and properties within the Phase One Study Area were observed from within the grounds of the Phase One Property and public roadways.

An investigation of the Phase One Property was completed by Sylvia Babiarz, M.Env.Sc of Palmer. Weather conditions during the inspection were partly cloudy with an ambient temperature at approximately 17 degrees Celsius, and slight winds. The ground was damp in some places due to rain within the past 24 hours at the time of Palmer's visit. The inspection involved visual observations of the Phase One Property to confirm current conditions, as well as observations of adjacent properties from the Phase One Property limits and publicly accessible locations (i.e. municipal roads). Palmer was accompanied by Greg Fach (Superintendent) during their inspection of 449-501 Harmony Road, Corbyville, ON. Photographs taken during the Phase One Property inspection are provided in **Appendix A**.

Photographs in **Appendix A** depict the following aspects of the Phase One Property and are noted in **Table 3**:

Table 3. Photograph Summary

Photograph 1	This photograph depicts a general view of the Phase One Property	
Photograph 2	This photograph depicts the Pro Shop retail store	
Photograph 3	This photograph depicts the water filter shed	
Photograph 4	This photograph depicts the plastic water AST located behind the water filter shed	
Photograph 5	This photograph depicts the exterior cart storage garage	
Photograph 6	This photograph depicts the interior of the cart storage garage	
Photograph 7	This photograph depicts the cabins	
Photograph 8	This photograph depicts the shed located close to the cabins	
Photograph 9	This photograph depicts the pump house	
Photograph 10	This photograph depicts the conference room buildings	
Photograph 11	This photograph depicts the snack bar area	
Photograph 12	This photograph depicts a general view of the golf course	
Photograph 13	This photograph depicts general view of the golf course	
Photograph 14	This photograph depicts a general view of the pond constructed on the Phase One Property	



4.1 General Property Description

The Phase One Property is located directly north of Harmony Road and west of the intersection with Highway 37 and comprises a total area of approximately 75.6-hectares. It is located in an area with predominantly with agricultural, parkland, residential, community and institutional land uses, as shown in **Figure 3**.

At the time of Palmer's investigation on April 21, 2023, the Phase One Property was operating as Black Bear Ridge Golf Course. The Phase One Property supports multiple buildings including one (1) retail store, two (2) conference buildings including a snack bar, one (1) detached bathroom, one (1) water filter shed, one (1) cart storage garage, one (1) pumphouse, one (1) golf equipment shed, and three (3) cabins. All buildings are constructed slab-on-grade. The remaining parts of the Site comprise asphalt-paved, grass, and gravel surfaced areas, as well as a woodlot and agricultural land.

No areas of natural significance exist on the subject property or Phase One study area. Several man-made ponds were observed on the northwestern, and southeastern portions of the subject property. Two (2) wetlands were observed on the subject property. These wetlands are located in the northern portion of the site, and the southern and eastern portions of the site. A small portion of the southern wetland is considered to be provincially significant. A tributary of the *Moira River* intersects the southern portion of the site and, flows southwestward to the *Moira River*.

4.2 Specific Property Observations

4.2.1 Structures and Other Improvements

The Site is developed with a golf course and eleven (11) building structures including one (1) retail store, two (2) conference buildings including a snack bar, one (1) detached bathroom, one (1) water filter shed, one (1) cart storage garage, one (1) pumphouse, one (1) golf equipment shed, and three (3) cabins. All buildings are constructed slab-on-grade.

There was no evidence of any underground storage tanks (USTs) or aboveground storage tanks (ASTs).

4.2.2 Underground Utilities and Service Corridors

Underground utilities at the Phase One Property include sanitary sewer, storm sewer, communication cables, Hydro, and natural gas services.

4.2.3 Interiors of Structures and Buildings

The Site is developed with a golf course and eleven (11) building structures including one (1) retail store, two (2) conference buildings including a snack bar, one (1) detached bathroom, one (1) water filter shed, one (1) cart storage garage, one (1) pumphouse, one (1) golf equipment shed, and three (3) cabins.

Each building has at least one (1) exit and entry point.

The buildings are heated by natural gas and baseboard heating. No evidence of any heating oil storage tanks was noted.



No unidentified substances, stains, corrosion on floors, or monitoring wells were observed in the buildings.

4.2.4 Exterior Portions of the Phase One Property

The exterior portion of the Phase One Property has landscaped areas, man-made ponds, asphalt-paved roads and parking areas, grass covered areas, beyond which are woodlot and agricultural land.

Approximately 80 % of the Phase One Property exterior is landscaped, covered with asphalt, grass, gravel, agricultural land, or trees.

Surface water from the property drains overland in a southwestern direction or towards the municipal stormwater sewer system along Harmony Road.

Site reconnaissance and personal interviews revealed that there are ten (10) active and existing potable wells on the Site. However, records reveal that there are thirty-three (33) existing abandoned, domestic, and monitoring wells on the Site.

4.2.5 Parts of the Phase One Property Not Covered by Structures

There was no evidence of stressed vegetation or surficial staining identified on the Phase One Property during our Site reconnaissance on April 21, 2023.

4.2.6 Enhanced Investigation of the Property

As per O.Reg. 153/04, a Phase One ESA will require the completion of an "Enhanced Property Investigation" should records indicate that a site has historically had any of the following land uses associated with it:

- Any industrial use;
- · Operation of dry-cleaning equipment;
- · Garage works; or
- Dispensing of bulk liquid (including gasoline, i.e. gas station).

An Enhanced Property Investigation was not required for this investigation.

4.3 Written Description of Investigation

The investigations conducted for this ESA are described in Sections 2 through 4.

August 2, 2024
Palmer_2200902 Phase One Esa- Black Bear Ridge-F



Review and Evaluation of Information 5.

5.1 **Current and Past Uses**

The current and past land uses on the Phase One Property, as determined through the Phase One ESA records review, are summarized in Table 4-6, below.

Table 4. Land Use Summary for the Property with the PIN 40525-0213

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, etc.
Prior to 17/05/1802	Crown	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner
17/05/1802- 24/05/1811	David Yeoman	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner
24/05/1811- 12/01/1856	George Thompson	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner
12/01/1856- 28/06/1873	William Thompson	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner
28/06/1873- 23/02/1884	James Fuller	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner
23/02/1884- 29/12/1896	Reuben Hawley	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner
29/12/1896- 02/12/1946	Joseph Vanderwater	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner
02/12/1946- 13/03/1957	George Henry Vanderwater	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner, aerial photography revealed the land use
13/03/1957- 19/09/1978	Lyle G. Vanderwater	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner, aerial photography (1956, 1967) revealed the land use
19/09/1978- 27/07/1979	Gibson Patterson	Parkland comprising a golf course	Parkland Use	Chain of title revealed the aforementioned property owner, aerial photography



				revealed the land use
				(1976)
				Chain of title revealed the
27/07/1979-	Charles J. Bailey,	Parkland comprising a		aforementioned property
11/12/2014	Suzanne T. Bailey	golf course	Parkland Use	owner, aerial photography
11/12/2011	Guzarino 1. Balloy	gon oodioo		revealed the land use
				(1987, 1995, 2013)
				Chain of title revealed the
11/12/2014-	Louis Bailey,	Parkland comprising a golf course	Parkland Use	aforementioned property
27/05/2019	Patricia Bailev &			owner, aerial photography
27/05/2019	Monica Bailey			revealed the land use
				(2013)
				Chain of title revealed the
07/05/0040	Detricia Dailay 0		Parkland Use	aforementioned property
27/05/2019-	Patricia Bailey &	Parkland comprising a		owner, aerial photography
01/09/2021	Monica Bailey Inc	golf course		revealed the land use
				(2020)
				Chain of title revealed the
	44011	D		aforementioned property
		, ,	Parkland Use	owner, aerial photography
present	Inc	goit course		revealed the land use
				(2020)
01/09/2021- present	449 Harmony Road Inc	Parkland comprising a golf course	Parkland Use	owner, aerial photography revealed the land use

Land Use Summary for the Property with the PIN 40527-0164 Table 5.

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, etc.
Prior to 31/12/1798	Crown	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner
31/12/1798- 26/12/1871	Russel Pitman	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner
26/12/1871- 09/02/1902	James Pitman	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner
09/02/1902- 30/01/1912	Joseph Kennedy	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner
30/01/1912- 12/04/1913	William Kennedy	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner



12/04/1913- 21/01/1970	John M. Reynolds	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner, aerial photography revealed land use (1956, 1967)
21/01/1970- 22/03/1974	Boldren Estates Limited	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner, aerial photography revealed land use (1967)
22/03/1974- 02/10/1979	Stanley Hurowitz	Parkland comprising a golf course	Parkland Use	Chain of title revealed the aforementioned property owner, aerial photography revealed the land use (1976)
02/10/1979- 27/11/1981	Brian Magee c.o.b. as Magee Farms	Parkland comprising a golf course	Parkland Use	Chain of title revealed the aforementioned property owner, aerial photography revealed the land use (1976)
27/11/1981- 04/09/2007	Foxkroft Station Ltd.	Parkland comprising a golf course	Parkland Use	Chain of title revealed the aforementioned property owner, aerial photography revealed the land use (1987, 1995)
04/09/2007- 18/02/2021	Brian Robert Boyd Leger Magee	Parkland comprising a golf course	Parkland Use	Chain of title revealed the aforementioned property owner, aerial photography revealed the land use (2013, 2020)
18/02/2021- present	Black Bear Ridge GP Inc.	Parkland comprising a golf course	Parkland Use	Chain of title revealed the aforementioned property owner, aerial photography revealed the land use (2020)

Table 6. Land Use Summary for the Property with the PIN 40527-0181

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, etc.
Prior to 17/05/1802	Crown	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner



17/05/1802- 24/05/1811	David Yeoman	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner
24/05/1811- 09/04/1816	George Thompson	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner
09/04/1816- 07/11/1853	William Thompson Sr	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner
07/11/1853- 24/04/1879	John Thompson	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner
24/04/1879- 23/02/1893	William Thompson Jr	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner
23/02/1893- 19/02/1906	William Sprague & Elizabeth Sprague	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner
19/02/1906- 16/03/1918	William Tracey	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner
16/03/1918- 03/04/1919	William A. Williams	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner
03/04/01919- 04/12/1948	Frank Guay	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner
04/12/1948- 19/01/1956	John Peter Guay	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner, aerial photography revealed land use (1956)
19/01/1956- 15/09/1967	Jesse Edward Chatten	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner, aerial photography revealed land use (1967)
15/09/1967- 24/11/1972	John Holcroft	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner, aerial photography revealed land use (1967)
24/11/1972- 03/11/1975	Foxboro Cheese Company Limited	Vacant, undeveloped land	Vacant, undeveloped land	Chain of title revealed the aforementioned property owner, aerial



				photography revealed
03/11/1975- 29/04/1977	Ault Foods (1975) Limited	Parkland comprising a golf course	Parkland Use	land use (1967) Chain of title revealed the aforementioned property owner, aerial photography revealed the land use (1976)
29/04/1977- 01/10/1997	GIB Patterson Enterprises Limited	Parkland comprising a golf course	Parkland Use	Chain of title revealed the aforementioned property owner, aerial photography revealed the land use (1976, 1987, 1995)
01/10/1997- 06/06/2002	Foxkroft Station Ltd	Parkland comprising a golf course	Parkland Use	Chain of title revealed the aforementioned property owner, aerial photography revealed the land use (1995)
06/06/2002- 11/02/2015	Foxkroft Station Ltd (name change)	Parkland comprising a golf course	Parkland Use	Chain of title revealed the aforementioned property owner, aerial photography revealed the land use (2013)
11/02/2015- 17/08/2021	Black Bear Ridge Inc (name change)	Parkland comprising a golf course	Parkland Use	Chain of title revealed the aforementioned property owner, aerial photography revealed the land use (2020)
17/08/2021- present	Black Bear Ridge GP Inc	Parkland comprising a golf course	Parkland Use	Chain of title revealed the aforementioned property owner, aerial photography revealed the land use (2020)

5.2 Potentially Contaminating Activities (PCAs)

Potentially Contaminating Activities (PCAs) under the Environmental Protection Act are defined in in Schedule D (Table 2) of O.Reg. 153/04. A copy of this list is also provided in **Appendix J.** The PCAs identified within the Phase One ESA Study Area are illustrated on **Figure 5** and summarized in **Table 7** to **Table 9**, below.

5.2.1 Phase One Property

Based on the findings of the historical record review, site reconnaissance, and personal interviews; the following PCAs were identified in association with the Phase One Property:



Table 7. Summary of PCAs on the Phase One Property

Address	PCA	Location of APEC on Phase One Property
	(1) #40: Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing and Bulk Storage	North and Eastern Portions of Phase One Property
Phase One Property)	(2) #30: Importation of Fill Materials of Unknow Quality	North and Eastern Portions of Phase One Property
, ,,	(3) #46: Rail Yards, Tracks and Spurs	Western Portion of Phase One Property
	(4) #40: Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing and Bulk Storage	Western Portion of Phase One Property

5.2.2 Phase One Study Area

Based on the findings of the historical record review, site reconnaissance, and personal interviews; no PCAs considered to pose APECs to the Phase One Property were identified in association with the Phase One Study Area.

5.3 Areas of Actual or Potential Environmental Concern

5.3.1 Evaluation of Information

The purpose of this Phase One ESA was to document and identify any actual or potential environmental contamination associated with the property. A Phase One ESA is a preliminary study in which it is sufficient only to assess those liabilities which can be documented from a visual inspection of the property or available sources of public information.

The Phase One ESA does not include sampling or testing of soil or ground water. These analyses would be conducted in a Phase Two ESA, if warranted.

5.3.2 Identified Areas of Potential Environmental Concern

The current and historical PCAs on the Phase One Property and within the Phase One Study Area have the potential to contaminate the Phase One Property. The APECs are as follows:

Table 8. Summary of Identified APECs

Address	Location of APEC on Phase One Property	Rationale	Source of Information
	North and Eastern Portions of	Golf Course Operations. Potential	 ERIS Database Report (2.2.11) Aerial Photographs (2.3.1) Phase One Property
	Phase One Property	Environmental Impacts	Reconnaissance (4.)
Phase One	North and Eastern Portions of Phase One Property	Fill materials of unknown quality. Potential Environmental Impacts	 ERIS Database Report (2.2.11) Aerial Photographs (2.3.1) Phase One Property Reconnaissance (4.)
Property	Western Portion of Phase One	Former Railway Tracks. Potential	 ERIS Database Report (2.2.11) Aerial Photographs (2.3.1) Phase One Property
	Property	Environmental Impacts	Reconnaissance (4.)
	Western Portion of Phase One	Agricultural Land. Potential	 ERIS Database Report (2.2.11) Aerial Photographs (2.3.1) Phase One Property
	Property	Environmental Impacts	Reconnaissance (4.)

August 2, 2024
Palmer_2200902 Phase One Esa- Black Bear Ridge-F



5.3.3 Contaminants of Potential Concern

The contaminants of potential concern (COPC) identified with respect to each APEC identified in Section 5.3.2 are as follows:

Table 9. Summary of COPC

Address	Location of APEC on Phase One Property	COPC
	North and Eastern Portions of Phase One Property	Organochlorine (OC) Pesticides
Phase One Property	North and Eastern Portions of Phase One Property	Petroleum Hydrocarbon (PHCs), Benzene, Toluene, Ethylbenzene, Xylene (BTEX), Volatile Organic Compounds (VOCs), Metals, As, Sb, Se, Hot-Water Soluble Boron (B-HWS), Cyanide (CN-), Hexavalent Chromium (Cr(VI)), Mercury (Hg), pH, Electrical Conductivity (EC) and Sodium Adsorption Ratio (SAR)
	Western Portion of Phase One Property	Polycyclic Aromatic Hydrocarbons (PAHs)
	Western Portion of Phase One Property	OC Pesticides

5.3.4 Information Gaps in Phase One Investigation

Full access to the Phase One Property was provided during the Site reconnaissance. All records were reviewed, and no information gaps were encountered during the completion of the Phase One Investigation. Any outstanding responses that pose environmental concern will be forwarded to the Client upon receipt.

5.4 Phase One Conceptual Site Model

Site Description

The Phase One Property is a 76.5- hectrare, irregular shaped, parcel of land located on the north side of Harmony Road, west of the intersection with Highway 37 in Corbyville, Ontario. The Site has eleven (11) building structures which include one (1) retail store, two (2) conference buildings including a snack bar, one (1) detached bathroom, one (1) water filter shed, one (1) cart storage garage, one (1) pumphouse, one (1) golf equipment shed, and three (3) cabins. All buildings are constructed slab-on-grade. The remaining parts of the Site comprise asphalt-paved, grass, and gravel surfaced areas, as well as a woodlot.

Historically, the Site was first developed in 1956 with two narrow roads and small buildings or structures. The property continued to be developed, with the construction of several man-made ponds starting 1987. The golf course was fully developed by 2011.

Water Bodies / Areas of Natural Significance

No areas of natural significance exist on the subject property or Phase One study area. Several man-made ponds were observed on the northwestern, and southeastern portions of the subject property. Two (2) wetlands were observed on the subject property. These wetlands are located in the northern portion of the site, and the southern and eastern portions of the site. A small portion of the southern wetland is considered to be provincially significant. A tributary of the *Moira River* intersects the southern portion of the site and , flows southwestward to the *Moira River*.



Drinking Water Wells

There are thirty-three (33) drinking water well records for the Phase One Property and eighty-six (86) records exist for the 250 m search radius. The records for Phase One Study Area relate to domestic, observation, public and abandoned wells.

Neighboring Land Use

The Phase One Study Area is partly developed with agricultural, parkland, residential, community and institutional land uses.

Areas of Potential Environmental Concerns (APECs)

Based on the findings of the historical record review, Site reconnaissance, and interviews, any APECs located on the Phase One Property and within the Phase One Study Area are labeled and located, as shown in **Figure 4** and **Figure 5**.

The following Potentially Contaminating Activities (PCAs) were found to be associated with the current or historical land uses of the Phase One Property and/or Phase One Study Area:

APEC	Location of APEC on the Phase One Property	PCA	Location of PCA (On-Site or Off- Site)	Contaminants of Potential Concern (COPC)	Media Potentially Impacted (Ground water, Soil and/or Sediment)
APEC # 1 Golf Course Operations	North and Eastern Portions of Phase One Property	#40: Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing and Bulk Storage	On-Site – The Phase One Property currently operates as Black Bear Ridge Golf & Resort since the early 1990s. Reportedly, several pesticides, herbicides, and fungicides are applied to the golf course portion of the Phase One Property several times throughout the year	Organochlorine (OC) Pesticides	Soil and Ground Water
APEC# 2 Fill Materials of Unknown Quality	North and Eastern Portions of Phase One Property	#30: Importation of Fill Materials of Unknow Quality	On-Site- Fill materials of unknown quality were imported to site during site development of the golf course in the 1990s.	Petroleum Hydrocarbon (PHCs), Benzene, Toluene, Ethylbenzene, Xylene (BTEX), Volatile Organic Compounds (VOCs), Metals, As, Sb, Se, Hot-Water Soluble Boron (B-HWS), Cyanide (CN-), Hexavalent Chromium (Cr(VI)), Mercury (Hg), pH, Electrical Conductivity (EC) and Sodium Adsorption Ratio (SAR)	Soil
Former Railway Tracks	Western Portion of Phase One Property	#46: Rail Yards, Tracks and Spurs	On-Site – A historic railway corridor was located in the western portion of the Phase One Property.	Polycyclic Aromatic Hydrocarbons (PAHs)	Soil and Ground Water



APEC	Location of APEC on the Phase One Property	PCA	Location of PCA (On-Site or Off- Site)	Contaminants of Potential Concern (COPC)	Media Potentially Impacted (Ground water, Soil and/or Sediment)
APEC #4 Agricultural Land	Western Portion of Phase One Property	#40: Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing and Bulk Storage	On-Site – Agricultural land use where application of pesticides has likely occurred since the early 2000s.	OC Pesticides	Soil

No additional PCAs considered to pose an APEC to the Phase One Property were identified in association with the Phase One Study Area.

Description of Assessment

PCAs with known or potential to affect the Phase One Property are as follows:

PCA Location	Location of APEC on the Phase One Property	Contaminants of Concern	Impact to Phase One Property (Known or Potential)
Phase One Property	North and Eastern Portions of Phase One Property	Organochlorine (OC) Pesticides	Potential
Phase One Property	North and Eastern Portions of Phase One Property	Petroleum Hydrocarbon (PHCs), Benzene, Toluene, Ethylbenzene, Xylene (BTEX), Volatile Organic Compounds (VOCs), Metals, As, Sb, Se, Hot-Water Soluble Boron (B-HWS), Cyanide (CN-), Hexavalent Chromium (Cr(VI)), Mercury (Hg), pH, Electrical Conductivity (EC) and Sodium Adsorption Ratio (SAR)	Potential
Phase One Property	Western Portion of Phase One Property	Polycyclic Aromatic Hydrocarbons (PAHs)	Potential
Phase One Property	Western Portion of Phase One Property	OC Pesticides	Potential

No additional PCAs considered to pose an APEC to the Phase One Property were identified in association with the Phase One Study Area.

Underground utilities are expected to be present on the subject property (sanitary sewer, storm sewer, city water, natural gas, telephone, electricity) and could potentially act as preferential pathways.

Local surficial geologic mapping of the Belleville area indicates that stone-poor, sandy silt to silty sand-textured till on Paleozoic terrain and organic deposits of peat, muck and mark, underlie the Phase One Property.



No areas of natural significance exist on the subject property or Phase One study area. Several man-made ponds were observed on the northwestern, and southeastern portions of the subject property. Two (2) wetlands were observed on the subject property. These wetlands are located in the northern portion of the site, and the southern and eastern portions of the site. A small portion of the southern wetland is considered to be provincially significant. A tributary of the *Moira River* intersects the southern portion of the site and , flows southwestward to Moira River. The local hydrogeology is controlled by this waterbody, the underlying geology, and the topography and is surmised to be directed southwestward.

It is not expected that any uncertainty or absence of information would affect the validity of the Conceptual Site Model (CSM).



6. Conclusions

6.1 Whether a Phase Two ESA is Required

The scope of this Phase One ESA conforms to the general requirements outlined in O.Reg. 153/04 and 407/19. The objectives of the Phase One ESA were to identify the likelihood of the presence or absence of PCAs and their associated APECs and COPC, in support of a zoning approval application with the City of Belleville. The results of the Phase One ESA are documented in this report and reflect site conditions observed at the time of the site reconnaissance.

Based on the information obtained as part of the Phase One ESA, it is concluded that four (4) PCAs were identified either on the Phase One Property or within the Phase One Study Area. These PCAs were deemed to be contributing to four (4) APECs on the Phase One Property.

A Phase Two ESA is recommended to assess subsurface impacts as a result of the aforementioned PCAs and APECs. The scope of the Phase Two ESA should entail the analysis of representative soil and ground water samples from the Phase One Property for the contaminants of potential concern identified; including Petroleum Hydrocarbon (PHCs), Benzene, Toluene, Ethylbenzene, Xylene (BTEX), Volatile Organic Compounds (VOCs), Metals, As, Sb, Se, Hot-Water Soluble Boron (B-HWS), Cyanide (CN-), Hexavalent Chromium (Cr(VI)), Mercury (Hg), pH, Electrical Conductivity (EC) and Sodium Adsorption Ratio (SAR), Polycyclic Aromatic Hydrocarbons (PAHs), and Organochlorine (OC) Pesticides.

6.2 Phase One ESA Alone

It is concluded that a Phase Two ESA is recommended to assess subsurface impacts as a result of the aforementioned PCAs and APECs.

6.3 Signatures and Certification

This report was prepared by Sylvia Babiarz, M.Env.Sc. who is an Environmental Scientist with Palmer and has experience in conducting Phase One ESAs at various land use types, in accordance with Ontario Regulation 153/04 and 511/09 and the CSA Z768-01 environmental protocols.

This report was reviewed by Kalina Naydenova, M.Sc. who is an Environmental Scientist with Palmer. She has over 15 years' experience conducting numerous Phase One and Two ESAs at various land use types, conducting soil and ground water sampling procedures in accordance with ASTM 1527-13 and ASTM E1903-19, as well as experience with Ontario Regulation 153/04 and 511/09 and the CSA Z768-01 and Z769-00 environmental protocols.

This report was reviewed by Sarah Vlantis, B.Sc., P.Geo (limited), QP_{ESA}, a Team Lead, Land Quality & Remediation. She has over 15 years' experience conducting Phase One and Two ESAs, soil and ground water sampling, and site remediation in accordance with Ontario Regulation 153/04 and 511/09, the CSA Z768-01 and Z769-00 environmental protocols, the Consulting Engineers of Ontario's Generally Accepted Standards for Environmental Investigations, and the Canadian Mortgage and Housing Corporation (CMHC) environmental site investigation procedures for mortgage loan insurance. The aforementioned ESAs have covered all land use types across Canada. Sarah also has numerous years of experience in preparing and filling Record of Site Conditions (RSCs) with the MECP. Sarah also has experience conducting Excess Soil



Reuse Planning assessments and soil management in accordance with Ontario Regulation 406/19. Sarah is a Professional Geoscientist (P.Geo. (limited)) and is a Qualified Person (QP) under O. Reg. 153/04.

Sobian

Prepared By:

Sylvia Babiarz, M.Env.Sc Environmental Scientist

Kalina Naydenova. M.Sc. Environmental Scientist

Reviewed By:

Sarah Vlantis, B.Sc., P.Geo (limited), QP_{ESA} Team Lead, Land Quality & Remediation



7. Limitations of Report

This report was prepared by Palmer for the account of Black Bear Ridge GP Inc., in accordance with the professional services agreement. During the records review, Palmer relied on information obtained from municipal, provincial, and independent sources as referenced in this report. Although the information was assessed for consistency, verification of the accuracy or the completeness of this third-party information was not completed.

Palmer made all reasonable inquiries to obtain accessible information for this assessment as required by O.Reg. 153/04 Schedule D Table 1: Mandatory Requirements for Phase One ESA Reports. All responses to information requests were received prior to completion on this report. The evaluation provided in this report reflects our best judgement in light of the information available at the time of the report preparation.

Due to the limitations referred to above, different environmental conditions from those stated in our report may exist. Should such different conditions be encountered, Palmer must be notified in order that it may determine if modifications to the conclusions in the report are necessary.

The disclosure of any information contained in this report is the sole responsibility of the intended recipient. The material in it reflects Palmer's best judgement in light of the information available to it at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. Palmer accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report. This limitations statement is considered part of this report.

Unless stated otherwise in this report, provided that the report is still reliable, and less than 18 months old, Palmer may issue a third-party reliance letter to parties client identifies in writing, upon payment of the then current fee for such letters. All third parties relying on Palmer's report, by such reliance agree to be bound by our proposal and Palmer's standard reliance letter. Palmer's standard reliance letter indicates that in no event shall Palmer be liable for any damages, howsoever arising, relating to third-party reliance on Palmer's report. No reliance by any party is permitted without such agreement. This report is not to be given over to any third party for any purpose whatsoever without the written permission of Palmer.

The original of the technology-based document sent herewith has been authenticated and will be retained by Palmer for a minimum of five years. Since the file transmitted is now out of Palmer's control and its integrity can no longer be ensured, no guarantee may be given with regards to any modifications made to this document.

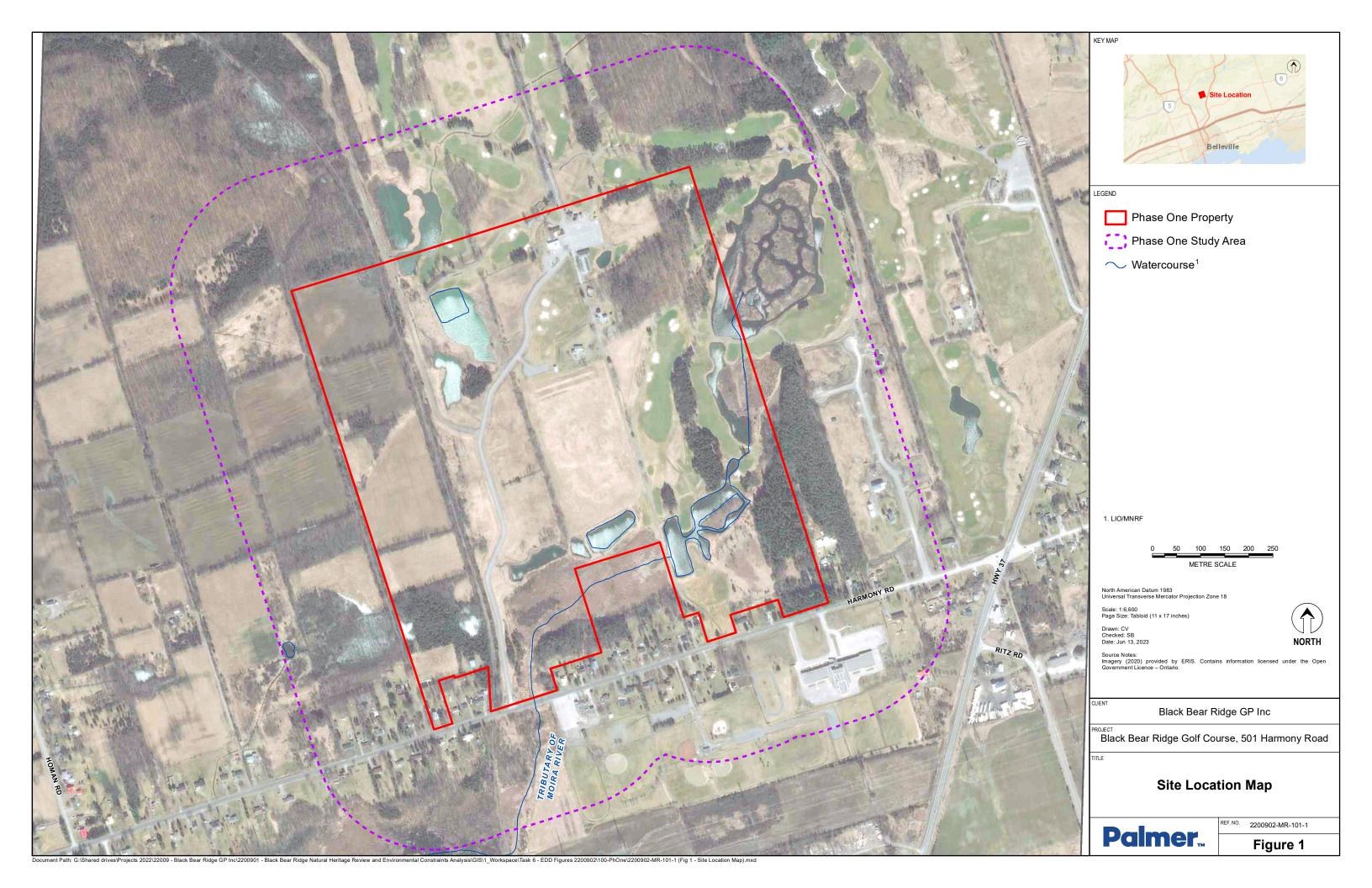


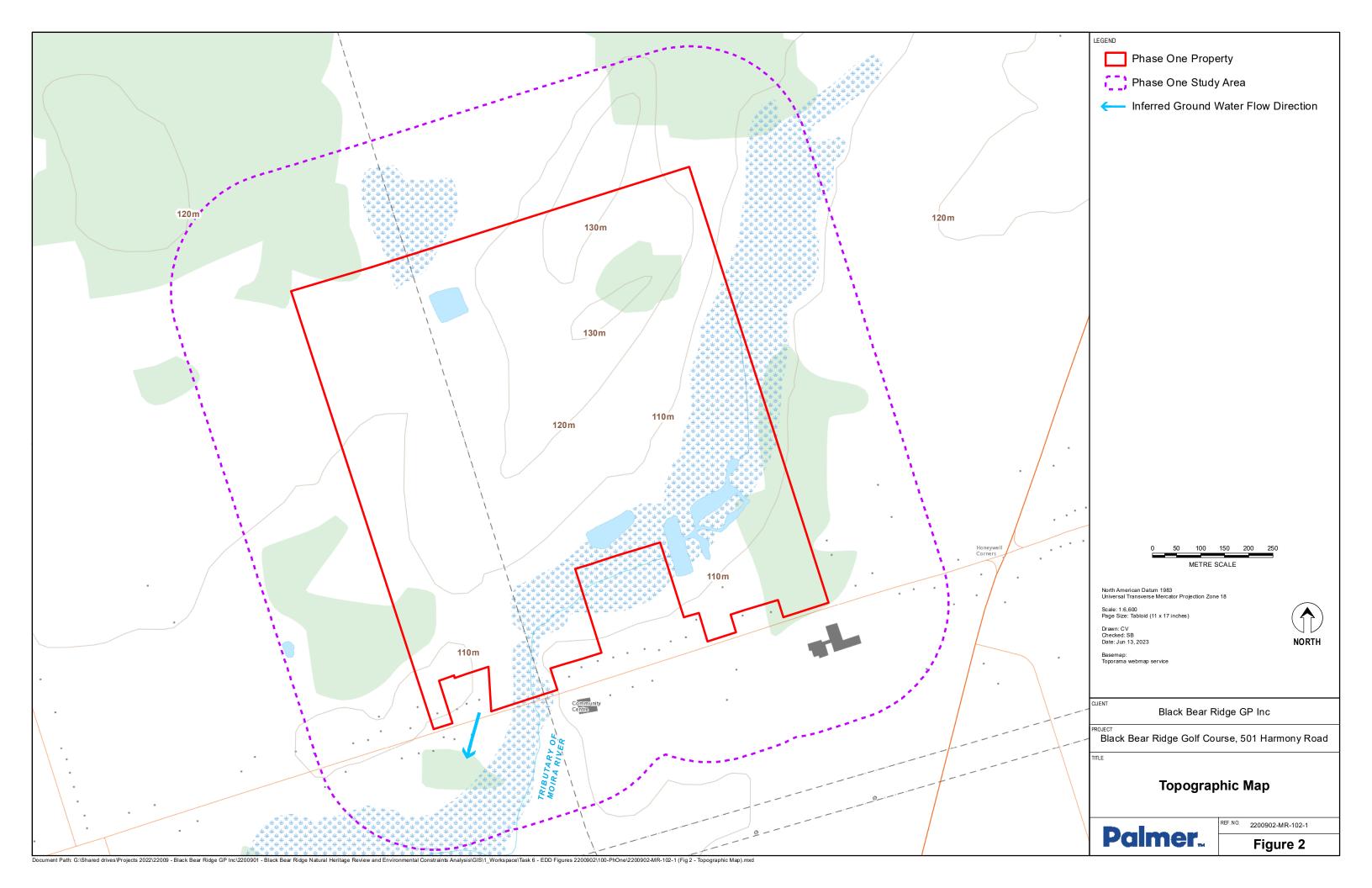
8. References

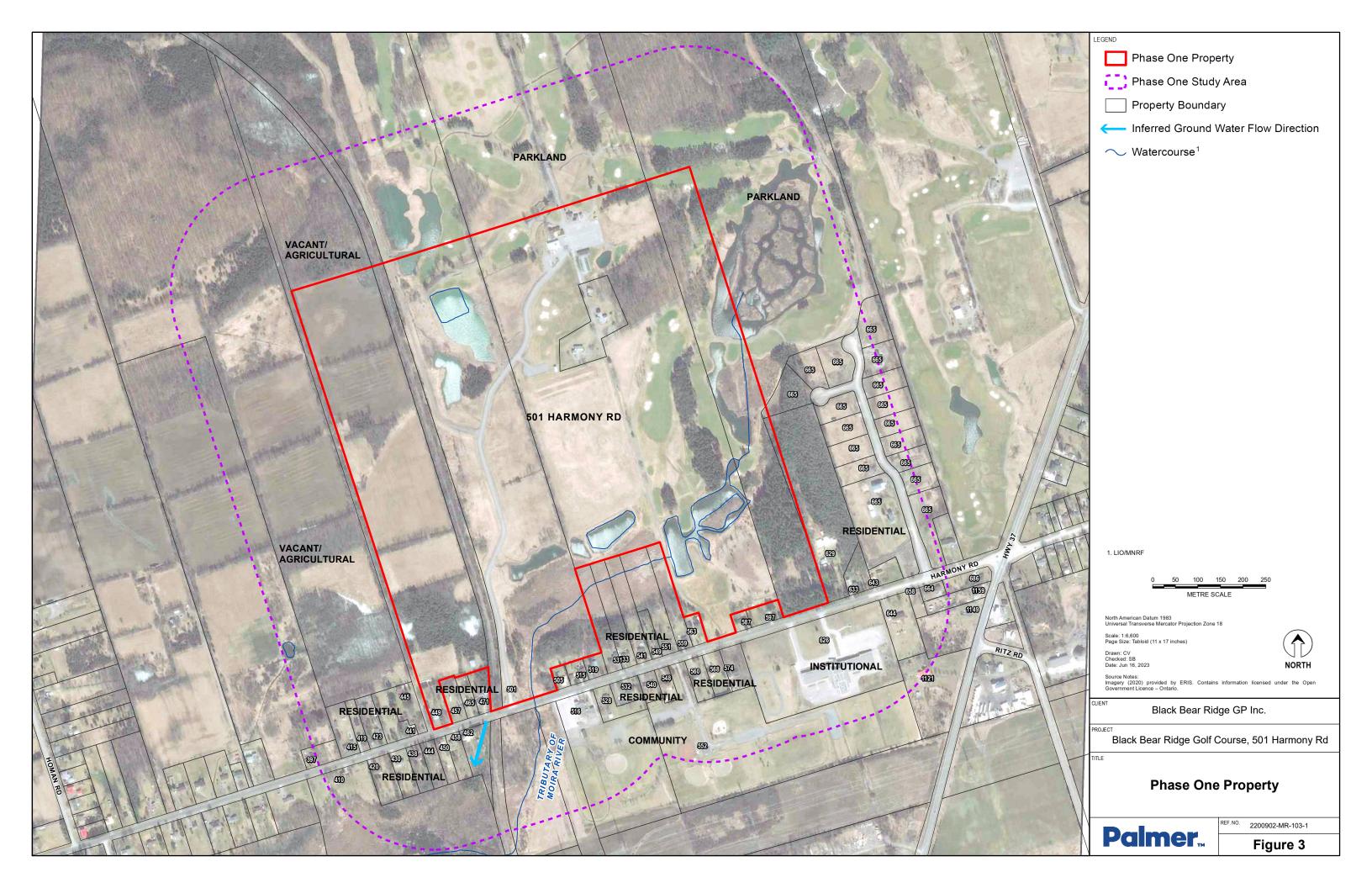
- Atlas of Canada, Topographic Maps;
 - o http://atlas.nrcan.gc.ca/Site/english/toporama/index.html
- Chapman and Putnam, The Physiography of Southern Ontario, 1984;
- EcoLog ERIS Database Report, 501 Harmony Road, Corbyville Ontario, 2018;
- Google Earth, 2018;
- Ontario Ministry of the Environment, Conservation and Parks (MECP);
- Radon Potential Map Ontario, Radon Environmental, 2013;
- Source Protection Information Atlas, 2020;
- Technical Standards & Safety Authority;
- The Ontario Geological Survey, 1990; and,
- The Ontario Geological Survey, 2003.



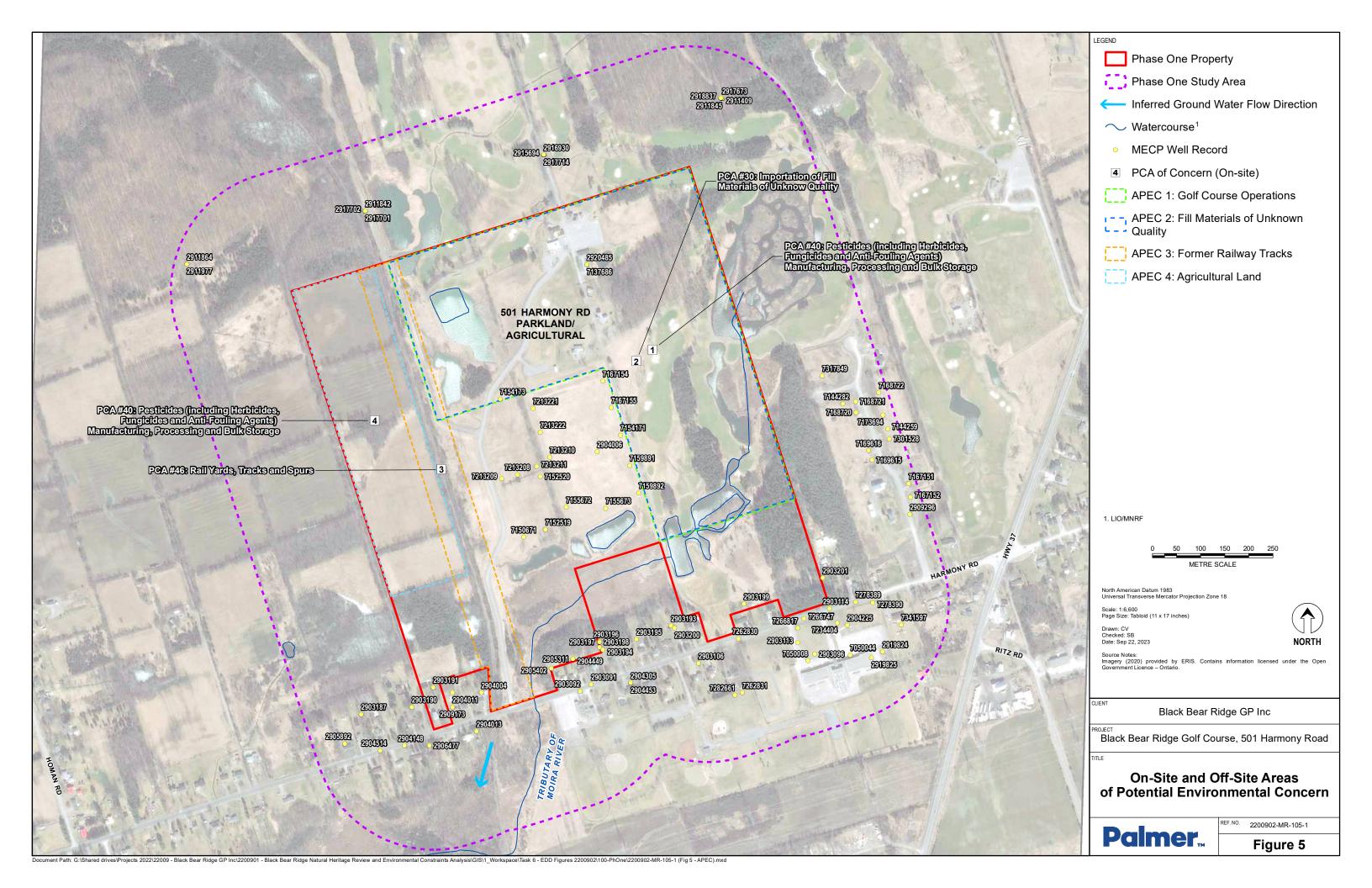
Figures













Appendix A Photographic Documentation







Photograph 1

Photo depicts a general view of the Phase One Property

Photograph 2

Photo depicts the Pro Shop retail store





Photo depicts the water filter shed



Photograph 4

Photo depicts the plastic water AST located behind the water filter shed





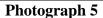


Photo depicts the exterior of the cart storage garage



Photograph 6

Photo depicts the interior of the cart storage garage



Photograph 7

Photo depicts the cabins located in the central portion of the Phase One Property



Photograph 8

Photo depicts the shed located close to the cabins





Photograph 9

Photo depicts the pump house



Photograph 10

Photo depicts the conference room buildings



Photograph 11

Photo depicts the snack bar area



Photograph 12

Photo depicts a general view of the golf course





Photograph 13

Photo depicts general view of the Phase One Property

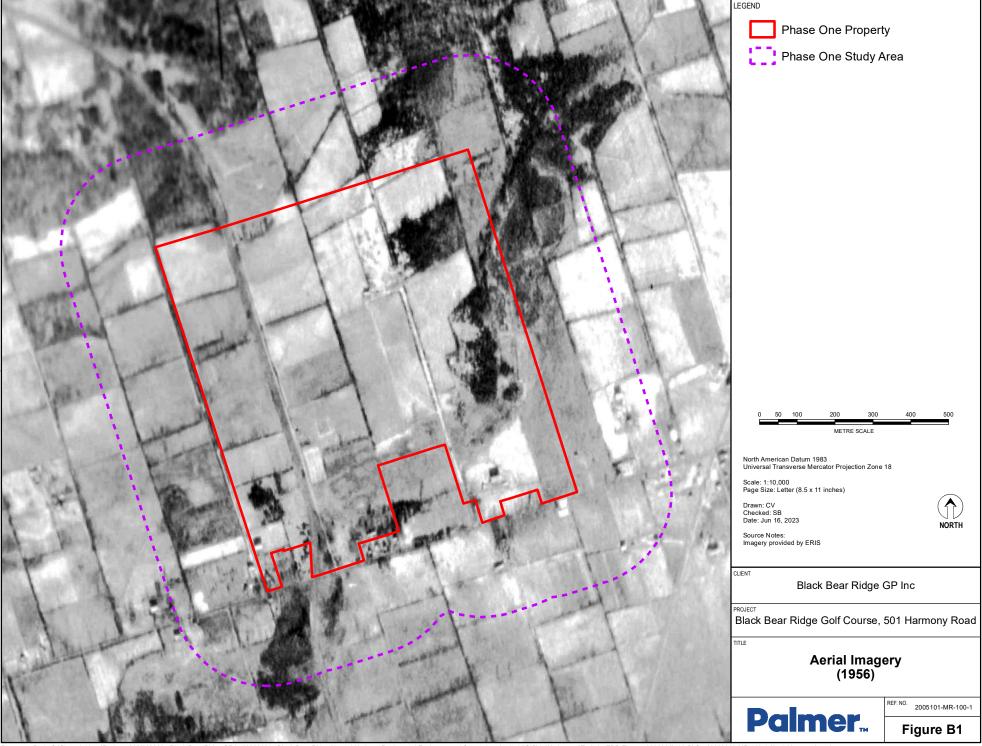


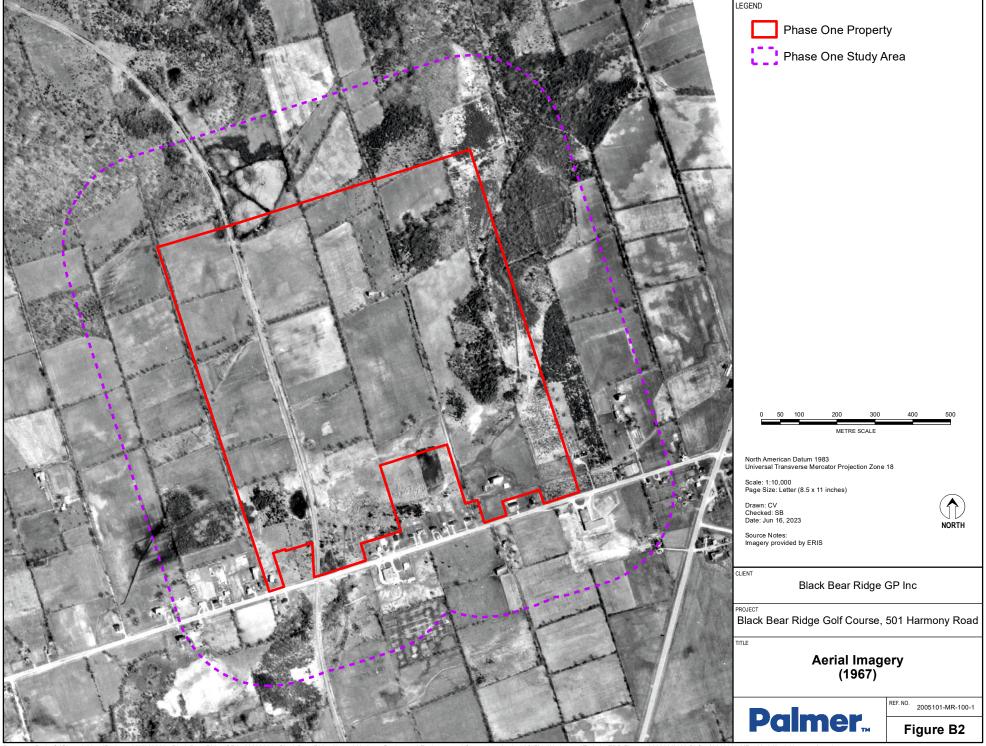
Photograph 14

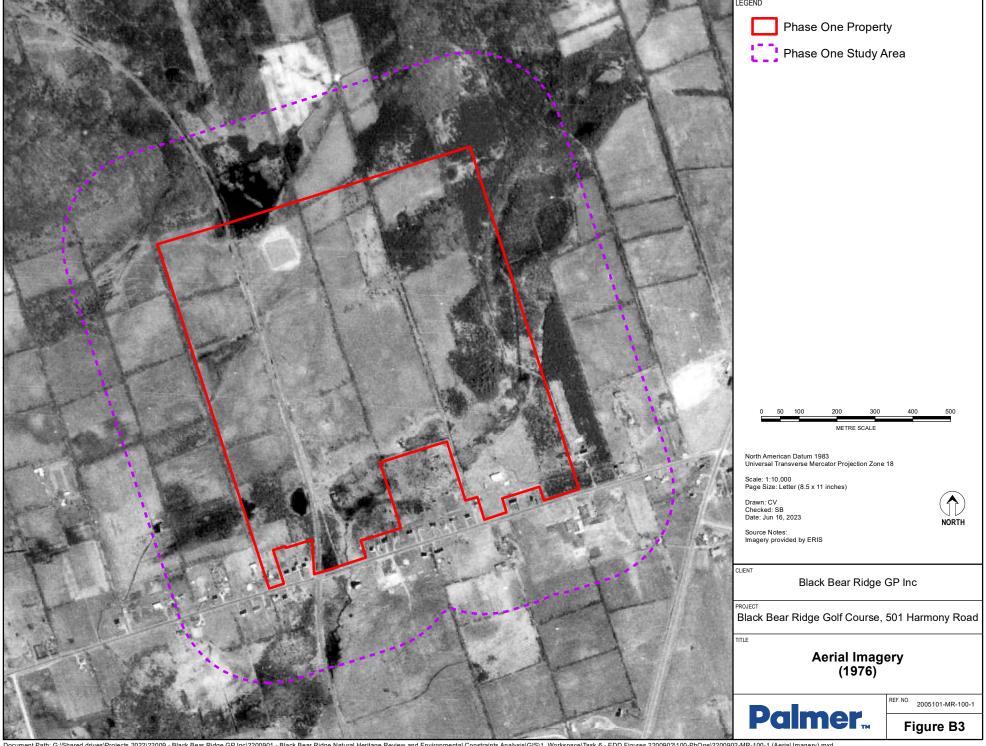
Photo depicts a general view of one of the ponds constructed on the Phase One Property

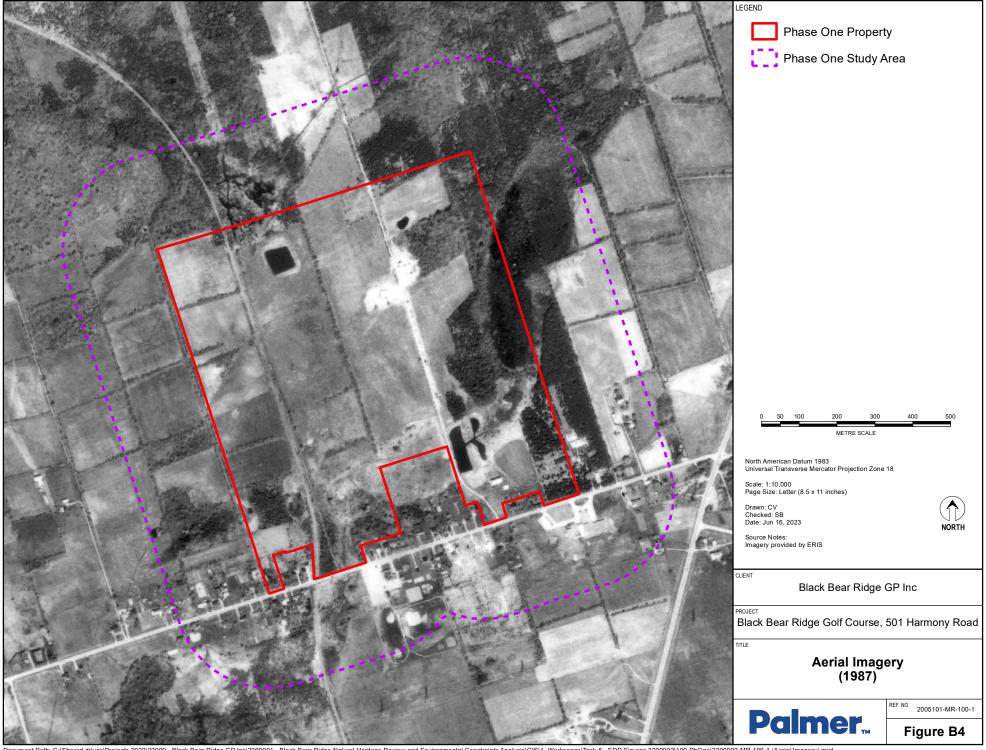


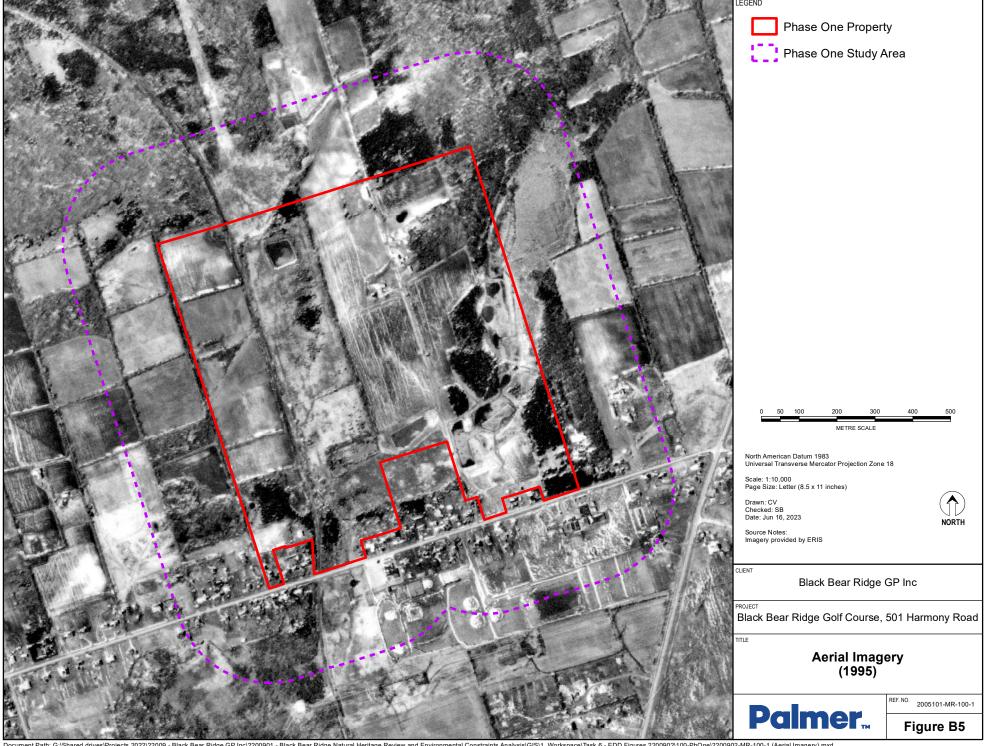
Appendix B Aerial Photographs

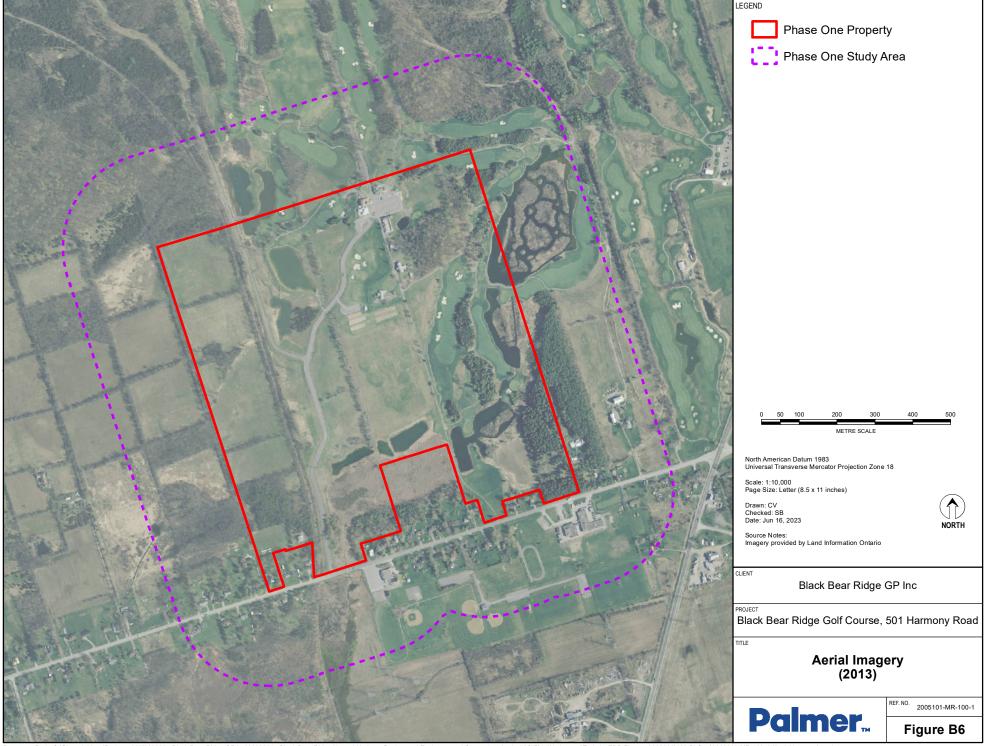


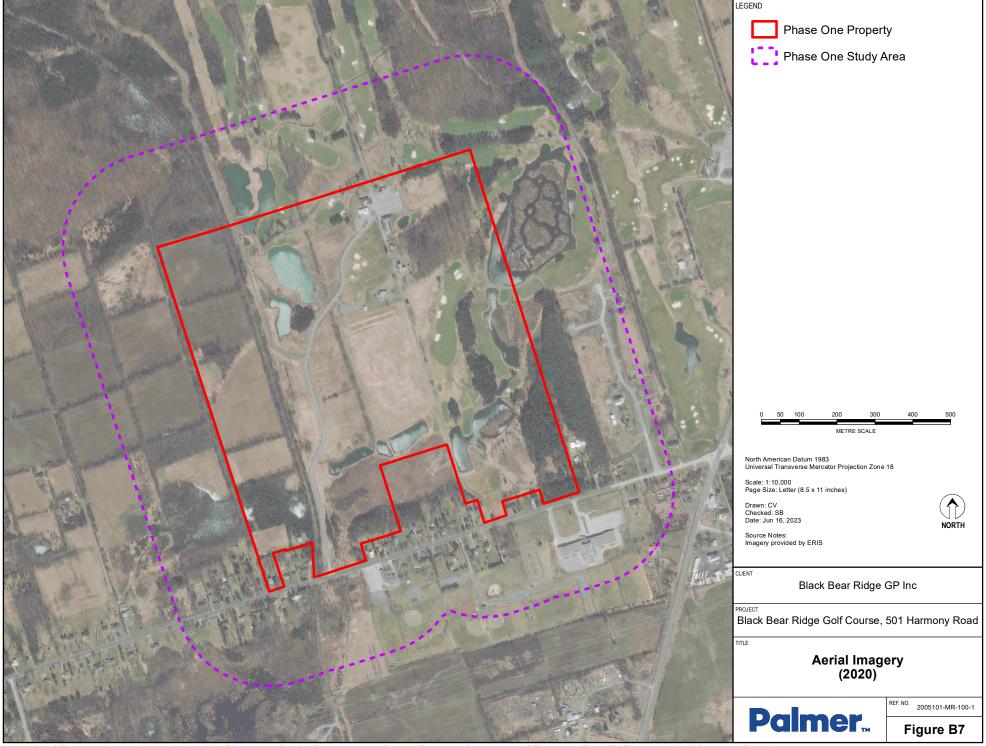






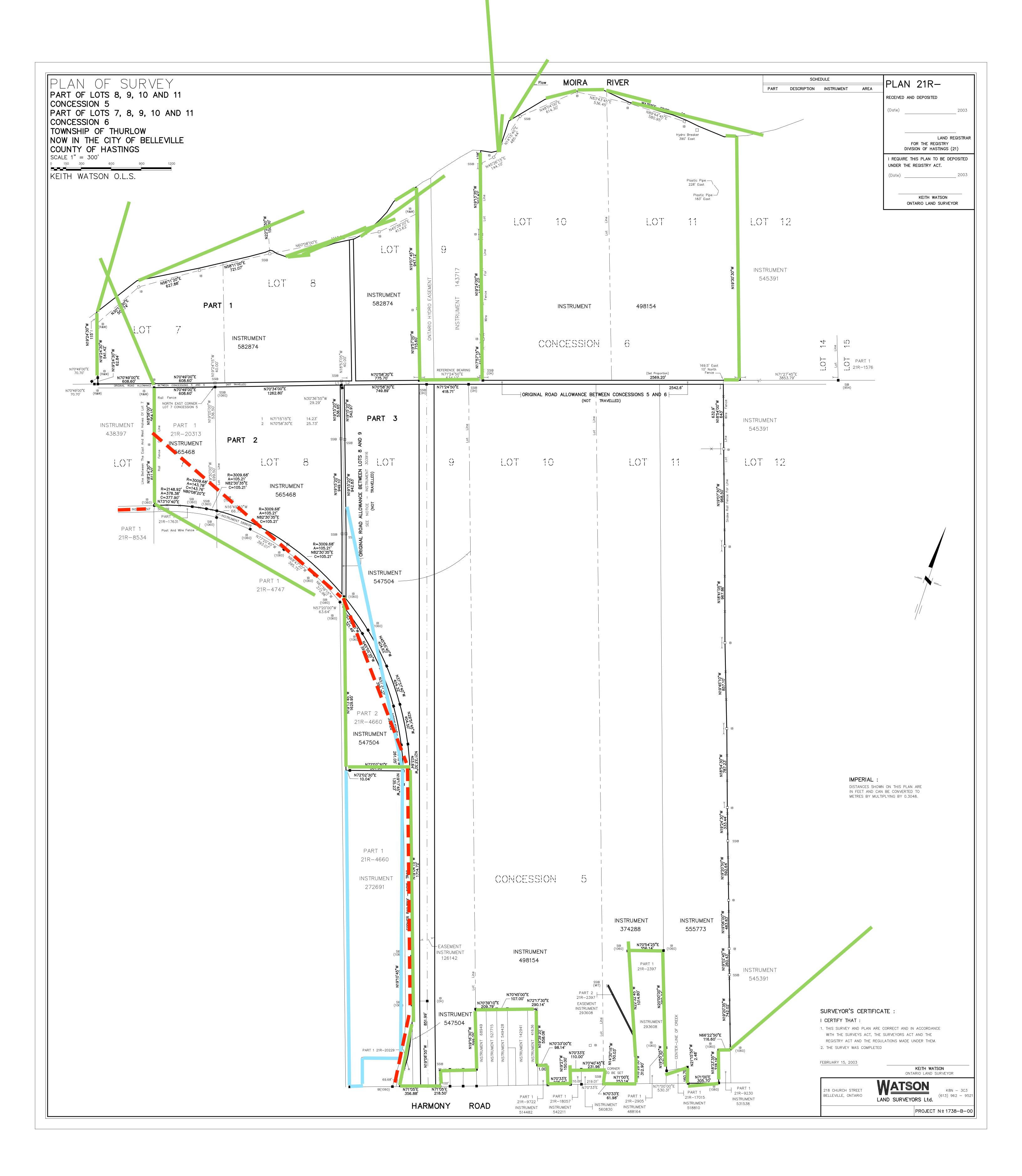








Appendix C Legal Plan of Survey





Appendix D Land Registry Documents

CHAIN OF TITLE REPORT

Project #: 23021600530 Address: 449 Harmony Road, Corbyville Legal Part lot 9, Con 5 Thurlow Description: as Part 1, 21R-4660		-	Searched at: LRO #:	Belleville 21	Page 1	
PIN #:	40525-0213(L	Т)	-			
INSTR#		DOC. TYPE	REG. DATE	E	PARTY FROM	PARTY TO
		Patent (200 acres)	17 05 1802		Crown	David YEOMAN
135	i	Deed	24 05 1811		David Yeoman	George THOMPSON
1056	;	Deed	12 01 1856		George Thompson	William THOMPSON
1083	3	Deed	28 06 1873		William Thompson	James FULLER
5150)	Deed	23 02 1884		James Fuller	Reuben HAWLEY
9853	,	Deed	29 12 1896		Reuben Hawley	Joseph VANDERWATER
1416	i	Will	02 12 1946		Joseph Vanderwater	George Henry VANDERWATER
26399)	Deed	13 03 1957		George Henry Vanderwater	Lyle G. VANDERWATER
259618	.	Deed	19 09 1978		Lyle G. Vanderwater	Gibson PATTERSON, in trust

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: Address: Legal Description:	23021600530 449 Harmony Road, Corbyville Part lot 9, Con 5 Thurlow as Part 1, 21R-4660	Searched at: LRO #:	Belleville 21	Page 2
PIN #:	40525-0213(LT)	_		
INSTR#	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
QR272691	Deed	27 07 1979	Gibson Patterson, in trust	Charles J. BAILEY Suzanne T. BAILEY
HT165271	Deed	11 12 2014	Charles J. Bailey - estate Suzanne T. Bailey - estate	Louis BAILEY, Patricia BAILEY & Monica BAILEY
HT246555	Deed	27 05 2019	Louis Bailey	Patricia BAILEY & Monica BAILEY
HT295373	Deed (Present Owner)	01 09 2021	Patricia & Monica Bailey	449 Harmony Road Inc.



REGISTRY
OFFICE #21

40525-0213 (LT)

PAGE 1 OF 2
PREPARED FOR bertucci
ON 2023/06/11 AT 12:51:14

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION:

PT LT 9 CON 5 THURLOW PT 1 21R4660; BELLEVILLE ; COUNTY OF HASTINGS

RECENTLY:

PROPERTY REMARKS:

ESTATE/QUALIFIER:

FEE SIMPLE LT CONVERSION QUALIFIED FIRST CONVERSION FROM BOOK

PIN CREATION DATE: 2004/07/26

OWNERS' NAMES

449 HARMONY ROAD INC.

<u>CAPACITY</u> <u>SHARE</u>

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT	INCLUDES AL	L DOCUMENT TYPES AND	DELETED INSTRUMENTS SIN	NCE 2004/07/23 **		
**SUBJECT,	ON FIRST REG	 ISTRATION UNDER THE	LAND TITLES ACT, TO:			
**	SUBSECTION 4	4(1) OF THE LAND TIT.	LES ACT, EXCEPT PARAGRAI	PH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *		
**	AND ESCHEATS	OR FORFEITURE TO TH	E CROWN.			
**	THE RIGHTS O	F ANY PERSON WHO WOU.	LD, BUT FOR THE LAND TIT	TLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF		
**	IT THROUGH L	ENGTH OF ADVERSE POS	SESSION, PRESCRIPTION, N	MISDESCRIPTION OR BOUNDARIES SETTLED BY		
**	CONVENTION.					
**	ANY LEASE TO	WHICH THE SUBSECTION	V 70(2) OF THE REGISTRY	ACT APPLIES.		
**DATE OF (CONVERSION TO	LAND TITLES: 2004/0	7/26 **			
21R4660	1979/07/25	PLAN REFERENCE				С
OR272691	1979/07/27	TRANSFER	***	COMPLETELY DELETED ***		
~					BAILEY, CHARLES J.	
					BAILEY, SUZANNE T.	
QR303916	1982/04/30	NOTICE			TWP. OF THURLOW	С
QR636807	2004/01/06	DEPOSIT				C
RE.	MARKS: QR2726	591				
21R21584	2005/07/27	PLAN REFERENCE				С
HT165270	2014/12/11	TRANSMISSION-LAND	***	COMPLETELY DELETED ***		
			BAII	LEY, CHARLES J.	MACDONALD, ANNE	
			BAI	LEY, SUZANNE T.	BAILEY, PATRICIA	
					BAILEY, MONICA	
					BAILEY, STEVEN	
					BAILEY, LOUIS	



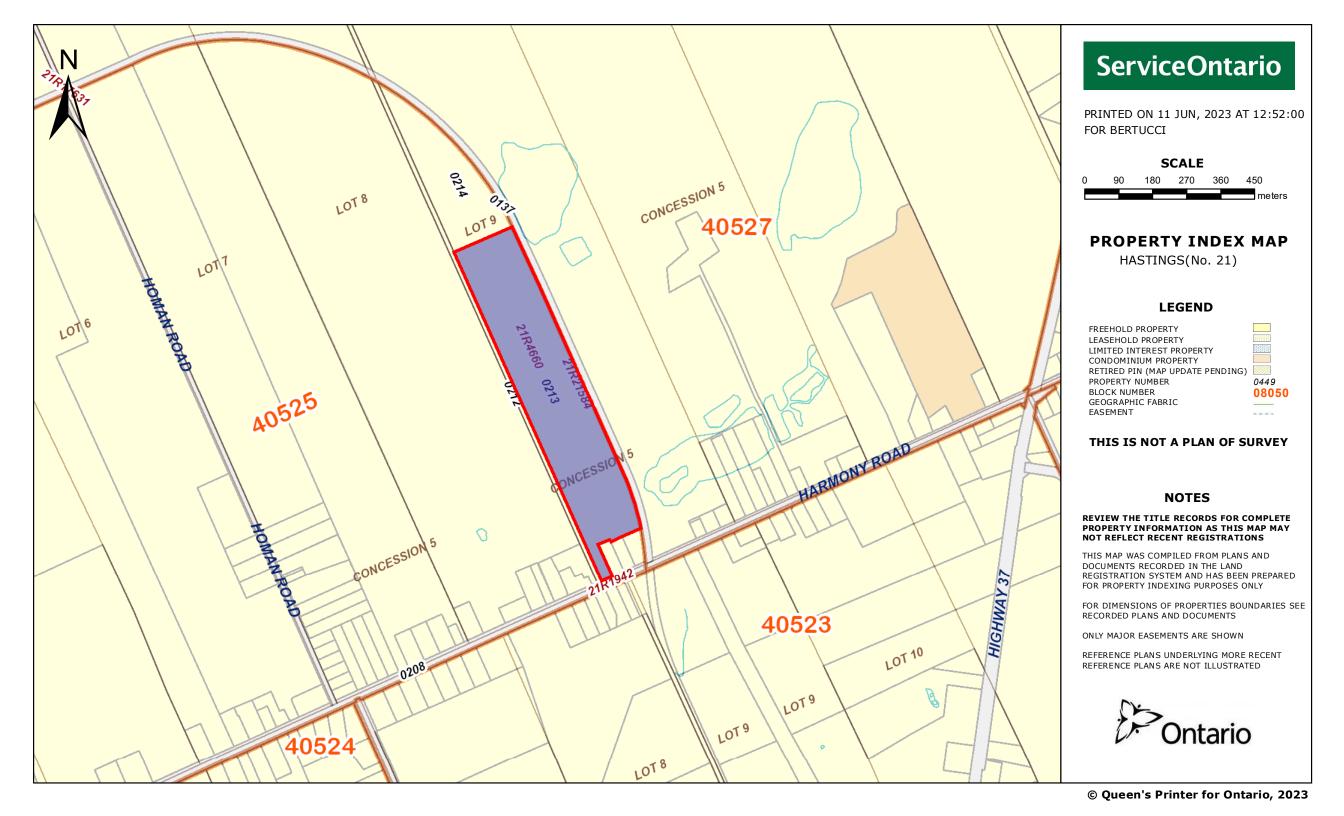
REGISTRY
OFFICE #21

40525-0213 (LT)

PAGE 2 OF 2
PREPARED FOR bertucci
ON 2023/06/11 AT 12:51:14

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
					BAILEY, CHARLES J ESTATE	
нт165271	2014/12/11	TRANS PERSONAL REP		*** COMPLETELY DELETED ***		
				MACDONALD, ANNE	BAILEY, LOUIS	
				BAILEY, PATRICIA	BAILEY, PATRICIA	
				BAILEY, MONICA	BAILEY, MONICA	
				BAILEY, STEVEN		
				BAILEY, LOUIS		
HT246555	2019/05/27	TRANSFER		*** COMPLETELY DELETED ***		
				BAILEY, LOUIS	BAILEY, LOUIS	
				BAILEY, PATRICIA	BAILEY, MONICA	
				BAILEY, MONICA		
HT295373	2021/09/01	TRANSFER	\$910,000	BAILEY, LOUIS	449 HARMONY ROAD INC.	С
			,	BAILEY, MONICA		
RE		NG ACT STATEMENTS.				
		THE THE STITLEMENTS.				
HT307672	2022/03/18	CHARGE	\$600,000	449 HARMONY ROAD INC.	CARE LENDING GROUP INC.	С



CHAIN OF TITLE REPORT

Project #: 23021600530 Address: 501 Harmony Road, Corbyville Legal Part lot 10, Con 5 Thurlow as Parts 1-5, 21R22509			Searched at: Belleville _RO #: 21	Page 1
PIN #:	40527-0164(LT)			
INSTR#	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent (200 acres)	· 31 12 1798	Crown	Russell PITMAN
7:	B Will	26 12 1871	Russell Pitman - es	state James PITMAN
75	9 Deed	09 02 1902	James Pitman	Joseph KENNEDY
346	9 Deed	30 01 1912	Joseph Kennedy	William KENNEDY
384	7 Deed	12 04 1913	William Kennedy	John M. REYNOLDS
13608	6 Deed	21 01 1970	Richard Reynolds, John M. Reynolds	exor. Of Boldron Estates Limited
19067	0 Deed	22 03 1974	Boldron Estates Lii	mited Stanley HUROWITZ
27575	2 Deed	02 10 1979	Stanley Hurowitz	Brian MAGEE c.o.b. as Magee Farms
30027	3 Deed	27 11 1981	Brian Magee c.o.b. as Magee Far Cont'd d	Foxkroft Station Ltd. ms on page 2

CHAIN OF TITLE REPORT

of Brian Robert Boyd Leger Magee

Project #: 23021600530 Address: 501 Harmony Road, Corbyville Legal Part lot 10, Con 5 Thurlow Description: as Parts 1-5, 21R22509		Searched at: LRO #:	Belleville 21	Page 2
PIN #:	40527-0164(LT)	_		
INSTR#	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
HT42507	' Deed	04 09 2007	Foxkroft Station Ltd.	Brian Robert Boyd Leger MAGEE
HT42508	B Easement	04 09 2007	Brian Robert Boyd Leger Magee	Foxkroft Station Ltd.
HT281629	Deed	18 02 2021	Susan Margaret Magee, exor.	Black Bear Ridge GP Inc.

(Present Owner)



REGISTRY
OFFICE #21

40527-0164 (LT)

PAGE 1 OF 2
PREPARED FOR bertucci
ON 2023/06/11 AT 12:48:46

PIN CREATION DATE:

2008/01/08

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION:

PT LT 10, CON 5, THURLOW, PT 1,2,3,4,5 21R22509; T/W EASEMENT OVER PT 6,7,8,9,10,11 21R22509 AS IN HT42508; S/T EASEMENT OVER PT 2 21R22509 IN FAVOUR OF PT 1 21R20313 & PT LT 8 CON 5 AS IN QR565468 & PT 1 21R20229 & PT LT 10, CON 5 AS IN QR498154 & PT LT 11 CON 5 AS IN QR374288 AND QR608086 PARTIALLY RELEASED BY HT147417 & PT 2 21R4660 AS IN HT42509; CITY OF BELLEVILLE

PROPERTY REMARKS:

PLANNING ACT CONSENT AS IN HT42507.

ESTATE/QUALIFIER:

RECENTLY:

FEE SIMPLE

OWNERS' NAMES

DIVISION FROM 40527-0110

LT CONVERSION QUALIFIED

<u>CAPACITY</u> <u>SHARE</u>

BLACK BEAR RIDGE GP INC.
BLACK BEAR RIDGE LIMITED PARTNERSHIP

GPAR FIRM

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT	INCLUDES ALI	L DOCUMENT TYPES AND	DELETED INSTRUMENTS	SINCE 2008/01/08 **		
**SUBJECT,	ON FIRST REGI	STRATION UNDER THE	LAND TITLES ACT, TO			
**	SUBSECTION 44	4(1) OF THE LAND TIT	LES ACT, EXCEPT PARA	AGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *		
**	AND ESCHEATS	OR FORFEITURE TO TH	E CROWN.			
**	THE RIGHTS OF	F ANY PERSON WHO WOU	LD, BUT FOR THE LANI	TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF		
**	IT THROUGH L	ENGTH OF ADVERSE POS	SESSION, PRESCRIPTION	N, MISDESCRIPTION OR BOUNDARIES SETTLED BY		
**	CONVENTION.					
**	ANY LEASE TO	WHICH THE SUBSECTIO	N 70(2) OF THE REGIS	STRY ACT APPLIES.		
**DATE OF C	CONVERSION TO	LAND TITLES: 2004/0	7/26 **			
21R22509	2007/12/07	PLAN REFERENCE				С
НТ42507	2007/12/13	TRANSFER		*** DELETED AGAINST THIS PROPERTY ***		
DE	MADEC. DIAMIT	NG ACT CONSENT		FOXKROFT STATION LTD.	MAGEE, BRIAN ROBERT BOYD LEGER	
RE.	MARKS: PLANNI	NG ACI CONSENI				
HT42508	2007/12/13	TRANSFER EASEMENT	\$2	FOXKROFT STATION LTD.	MAGEE, BRIAN ROBERT BOYD LEGER	С
HT42509	2007/12/13	TRANSFER EASEMENT	\$2	MAGEE, BRIAN ROBERT BOYD LEGER	FOXKROFT STATION LTD.	С
HT147417	2013/10/16	TRANSFER REL&ABAND	\$2	FOXKROFT STATION LTD.	MAGEE, BRIAN ROBERT BOYD LEGER	С
RE	MARKS: HT4250	9.				
HT281628	2021/02/18	TRANSMISSION-LAND		*** COMPLETELY DELETED ***		
				MAGEE, BRIAN ROBERT BOYD LEGER	MAGEE, SUSAN MARGARET	
					MAGEE, BRIAN ROBERT BOYD LEGER - ESTATE	

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.

NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.



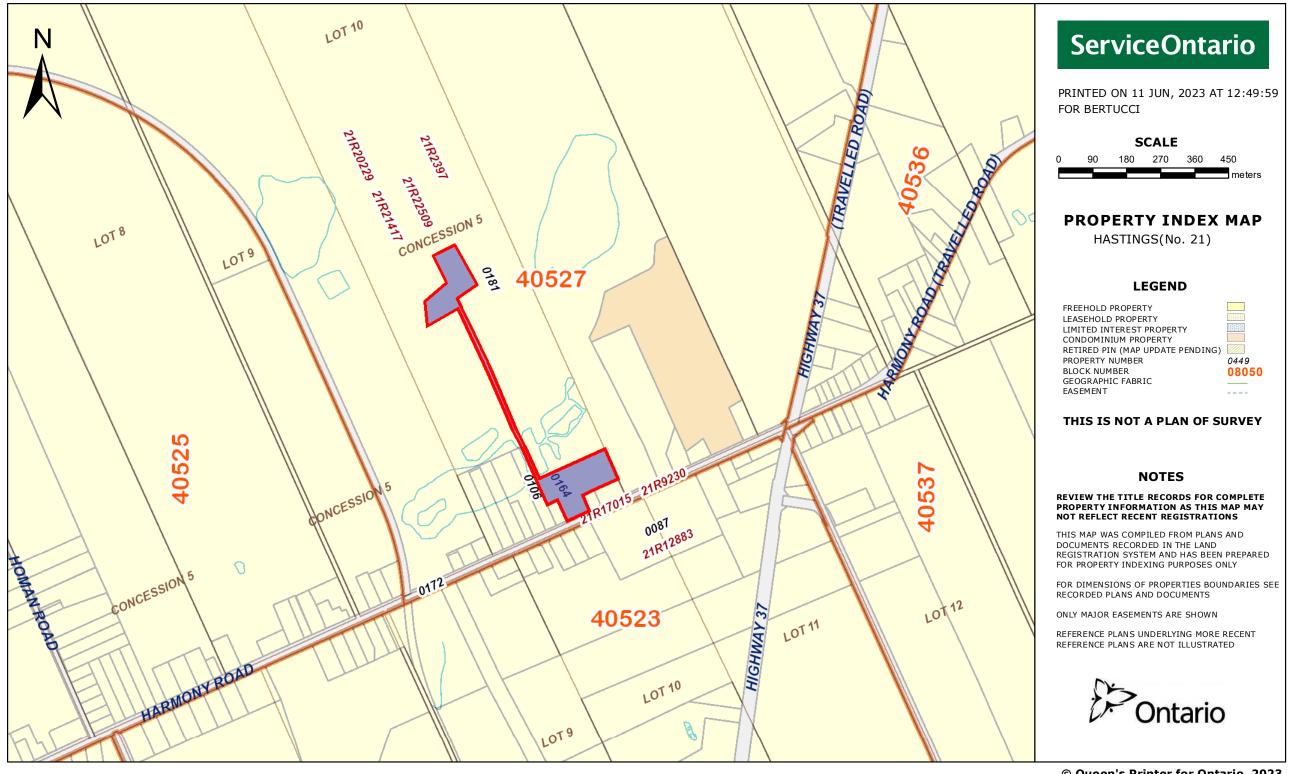
REGISTRY
OFFICE #21

40527-0164 (LT)

PAGE 2 OF 2
PREPARED FOR bertucci
ON 2023/06/11 AT 12:48:46

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
HT281629	2021/02/18	TRANS PERSONAL REP		MAGEE, SUSAN MARGARET	MAGEE, SUSAN MARGARET MAGEE, BRENDAN ROBERT BRIAN MAGEE, DIANA ELAINE	С
HT294179	2021/08/17	TRANSFER	\$710,680	MAGEE, SUSAN MARGARET MAGEE, BRENDAN ROBERT BRIAN MAGEE, DIANA ELAINE	BLACK BEAR RIDGE GP INC.	С
REI	MARKS: PLANN	NG ACT STATEMENTS.				
HT296663	2021/09/21	CHARGE PARTNERSHIP	\$6,000,000	BLACK BEAR RIDGE GP INC. BLACK BEAR RIDGE LIMITED PARTNERSHIP	1927834 ONTARIO INC. MAGEE, SUSAN MARGARET MAGEE, BRENDAN ROBERT BRIAN MAGEE, DIANA ELAINE	С
HT313679	2022/06/22 MARKS: HT296			1927834 ONTARIO INC.	MAGEE, SUSAN MARGARET MAGEE, BRENDAN ROBERT BRIAN MAGEE, DIANA ELAINE	С



Project #: Address: Legal		o y Road, Corbyville 5 Thurlow as in QR547	Searched at: LRO #: <u>5</u> 04	Belleville 21	Page 1
Description:	in QR498154	0229; Pt lot 10 Con 5 as ; Pt lot 11 Con 5 as in C	_		**Pertains to lot 9 Con 5 Thurlow**
PIN #:	40527-0181(I	LT)	_		
INSTR#		DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
		Patent (200 acres)	17 05 1802	Crown	David YEOMAN
13	5	Deed	24 05 1811	David Yeoman	George THOMPSON
34	6	Deed	09 04 1816	George Thompson	William THOMPSON, Sr.
75	5	Deed	07 11 1853	William Thompson, Sr.	John THOMPSON
339	0	Deed	24 04 1879	John Thompson - estate	William THOMPSON, Jr.
889	1	Deed	23 02 1893	William Thompson, Jr.	William SPRAGUE & Elizabeth SPRAGUE
171	3	Deed	19 02 1906	William & Elizabeth Sprague	William TRACEY
505	2	Deed	16 03 1918	William Tracey	William A. WILLIAMS
531	2	Deed	03 04 1919	William A. Williams	Frank GUAY
				Cont'd on page 2	

Cont'd on page 2

Project #:	23021600530	Searched at:	Belleville	
Address:	501 Harmony Road, Corbyville	LRO #:	21	Page 2
Legal	Pt lot 9, Con 5 Thurlow as in QR5475	04		
Description:	& Pt 1, 21R20229; Pt lot 10 Con 5 as	•		
Description	in QR498154; Pt lot 11 Con 5 as in QI	R374288 & QR609992		**Pertains to lot 9 Con 5 Thurlow**
DIN #.	•			
PIN #:	40527-0181(LT)	•		
INSTR#	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
194	5 Deed	04 12 1948	Frank Guay	John Peter GUAY
1858 [,]	1 Deed	19 01 1956	John Peter Guay	Jesse Edward CHATTEN
11164	Deed Deed	15 09 1967	Jesse Edward Chatten	John HOLCROFT
QR12614	2 Easement	31 03 1969	John Holcroft	The Hydro-Electric Power Commission
17162	6 Deed	24 11 1972	John Holcroft	Foxboro Cheese Company Limited
21483	2 Deed	03 11 1975	Foxboro Cheese Company Limited	Ault Foods (1975) Limited
23688	0 Deed	29 04 1977	Ault Foods (1975) Limited	GIB Patterson Enterprises Limited
QR54750	4 Deed	01 10 1997	GIB Patterson Enterprises Limited	Foxkroft Station Ltd.
QR60999	2 Deed (Pt 1, 21R20229)	06 06 2002	Foxkroft Station Ltd.	Foxkroft Station Ltd.
	, , ,		Cont'd on page 3	

Project #: Address: Legal	Pt lot 9, Con	Road, Corbyville 5 Thurlow as in QR54		Belleville 21	Page 3
Description: PIN #:	**Example 2.5				**Pertains to lot 9 Con 5 Thurlow**
INSTR#		DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
HT16740	0	Name Change	11 02 2015	Foxkroft Station Ltd.	Black Bear Ridge Inc.
HT29418	0	Deed	17 08 2021	Black Bear Ridge Inc.	Black Bear Ridge GP Inc.

(Present Owner)

Project #: Address: Legal Description:	Pt lot 9, Con 8 Pt 1, 21R20	Road, Corbyville 5 Thurlow as in QR5475 229; Pt lot 10 Con 5 as 7 Pt lot 11 Con 5 as in Q	-	Belleville 21	Page 1 **Pertains to lot 10 Con 5 Thurlow**
PIN #:	40527-0181(L	T)	_		
INSTR#		DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
		Patent (200 acres)	31 12 1798	Crown	Russell PITMAN
7:	8	Will	26 12 1871	Russell Pitman - estate	James PITMAN
75	9	Deed	09 02 1902	James Pitman	Joseph KENNEDY
346	9	Deed	30 01 1912	Joseph Kennedy	William KENNEDY
384	.7	Deed	12 04 1913	William Kennedy	John M. REYNOLDS
13608	86	Deed	21 01 1970	Richard Reynolds, exor. Of John M. Reynolds	Boldron Estates Limited
19067	70	Deed	22 03 1974	Boldron Estates Limited	Stanley HUROWITZ
27575	52	Deed	02 10 1979	Stanley Hurowitz	Brian MAGEE c.o.b. as Magee Farms
30027	73	Deed	27 11 1981	Brian Magee c.o.b. as Magee Farms Cont'd on page 2	Foxkroft Station Ltd.

Project #: Address: Legal Description:	Pt lot 9, Con & Pt 1, 21R2	y Road, Corbyville 5 Thurlow as in QR5479 0229; Pt lot 10 Con 5 as	- -	Belleville 21	Page 2
PIN #:	40527-0181(I	; Pt lot 11 Con 5 as in Q _T)	- -		**Pertains to lot 10 Con 5 Thurlow**
INSTR#		DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
QR498154	ı	Deed	16 02 1994	Foxkroft Station Ltd.	Brian Robert Boyd Leger MAGEE
HT37974	ı	Deed	04 09 2007	Brian Robert Boyd Leger Magee	Foxkroft Station Ltd.
HT167400)	Name Change	11 02 2015	Foxkroft Station Ltd.	Black Bear Ridge Inc.
HT294180)	Deed	17 08 2021	Black Bear Ridge Inc.	Black Bear Ridge GP Inc.

(Present Owner)

		y Road, Corbyville 5 Thurlow as in QR547 0229; Pt lot 10 Con 5 as	-	Belleville 21	Page 1
PIN #:	in QR498154 40527-0181(I	; Pt lot 11 Con 5 as in C _T)	R374288 & QR609992 _		**Pertains to lot 11 Con 5 Thurlow**
INSTR#		DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
		Patent (200 acres)	31 12 1798	Crown	Nancy FAIRMAN
405	3	Deed (Chain 1)	17 03 1836	Nancy Howell (Fairman)	James Badgeley
46	0	Deed (Chain 2)	29 01 1844	Nancy Howell (Fairman)	John BADGELEY
31	6	Deed	18 07 1859	James Badgeley	Henry BOWEN
3	88	Deed	17 03 1860	Henry Bowen	Philip BOWEN
35	i 6	Deed	09 09 1868	Philip Bowen	Lyman JONES
894	16	Deed	21 04 1893	Lyman Jones	John Matthew JONES
345	57	Will	23 01 1912	John Badgeley - estate	John Johnston BADGELEY
554	15	Deed	28 01 1920	John Johnston Badgeley	Alfred Thomas ROPER

Cont'd on page 2

Project #: Address: Legal	23021600530 501 Harmony Road, Corbyville Pt lot 9, Con 5 Thurlow as in QR54	Searched at: LRO #:	Belleville 21	Page 2
Description:	& Pt 1, 21R20229; Pt lot 10 Con 5 in QR498154; Pt lot 11 Con 5 as in	as		**Pertains to lot 11 Con 5 Thurlow**
PIN #:	40527-0181(LT)			
INSTR#	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
291	3 Deed (Chain 1)	09 12 1950	John Matthew Jones	Mildred Leona JONES
397	1 Deed (Chain 2)	13 04 1953	Alfred Thomas Roper	Benjamin Clarence ROPER
9228	0 Deed	27 05 1965	Benjamin Clarence Roper	Kenneth JACKSON & Norma JACKSON
12634	8 Deed	08 04 1969	Kenneth & Norma Jackson	Director The Veterans Land Act
17549	4 Deed	23 03 1973	Director The Veterans Land Act	Kenneth JACKSON & Norma JACKSON
22272	1 Deed	25 05 1976	Kenneth & Norma Jackson	Kenneth JACKSON
23261	9 Deed	06 01 1977	Kenneth Jackson	Swasun Holdings Limited
27836	0 Deed	06 12 1979	Mildred Leona Jones	Rae Nelson ROES & Cora Ruth ROES
QR37428	38 Deed	15 04 1987	Swasun Holdings Limited	Brian MAGEE
			Cont'd on page 3	

Project #: Address: Legal Description:	23021600530 501 Harmony Road, Corbyvill Pt lot 9, Con 5 Thurlow as in 6 & Pt 1, 21R20229; Pt lot 10 Co	QR547504	Belleville 21	Page 3
PIN #:	in QR498154; Pt lot 11 Con 5 40527-0181(LT)			**Pertains to lot 11 Con 5 Thurlow**
INSTR#	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
QR555773	Deed	01 06 1998	Rae Nelson Roes & Cora Ruth Roes	Teddington Limited
QR608086	Deed	30 04 2002	Teddington Limited	Black Bear Ridge Inc.
HT37975	Deed (Chain 2)	04 09 2007	Brian Magee	Foxkroft Station Ltd.
HT37968	Deed (Chain 1)	04 09 2007	Black Bear Ridge Inc.	Foxkroft Station Ltd.
HT42508	Easement	13 12 2007	Foxkroft Station Ltd.	Brian Robert Boyd Leger MAGEE
HT42509	Easement	13 12 2007	Brian Robert Boyd Leger MAGEE	Foxkroft Station Ltd.
HT167400	Name Change	11 02 2015	Foxkroft Station Ltd.	Black Bear Ridge Inc.
HT294180	Deed (Present Owr	17 08 2021 ner)	Black Bear Ridge Inc.	Black Bear Ridge GP Inc.



REGISTRY
OFFICE #21

RECENTLY:

40527-0181 (LT)

PAGE 1 OF 2
PREPARED FOR bertucci
ON 2023/06/11 AT 12:43:45

PIN CREATION DATE:

2013/10/17

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION:

PT LT 9, CON 5 THURLOW LYING E OF CNR AS IN QR547504 & PT 1, 21R20229; PT LT 10, CON 5 THURLOW AS IN QR498154 EXCEPT PTS 1 TO 5, 21R22509; PT LT 11, CON 5 THURLOW AS IN QR374288; PT LT 11, CON 5 THURLOW AS IN QR608086 EXCEPT PT 1, 21R24097; SUBJECT TO AN EASEMENT AS IN QR126142; SUBJECT TO AN EASEMENT OVER PTS 7 TO 11, 21R22509 IN FAVOUR OF PTS 1 TO 5, 21R22509 AS IN HT42508; SUBJECT TO AN EASEMENT OVER PT 6, 21R22509 IN FAVOUR OF PTS 1 TO 5, 21R22509 AS IN HT42508; SUBJECT TO AN EASEMENT AS IN QR84333; TOGETHER WITH AN EASEMENT OVER PT 2, 21R22509 AS IN HT42509; CITY OF BELLEVILLE

PROPERTY REMARKS:

ESTATE/QUALIFIER:

FEE SIMPLE DIVISION FROM 40527-0166

LT CONVERSION QUALIFIED

OWNERS' NAMES CAPACITY SHARE

BLACK BEAR RIDGE GP INC. GPAR
BLACK BEAR RIDGE LIMITED PARTNERSHIP FIRM

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT	INCLUDES ALI	L DOCUMENT TYPES AND	DELETED INSTRUMENTS	S SINCE 2013/10/17 **		
**SUBJECT,	ON FIRST REGI	STRATION UNDER THE 1	LAND TITLES ACT, TO			
**	SUBSECTION 44	1(1) OF THE LAND TITE	LES ACT, EXCEPT PAR	AGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *		
**	AND ESCHEATS	OR FORFEITURE TO THE	E CROWN.			
**	THE RIGHTS OF	F ANY PERSON WHO WOUL	D, BUT FOR THE LAND	TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF		
**	IT THROUGH LE	ENGTH OF ADVERSE POSS	SESSION, PRESCRIPTION	ON, MISDESCRIPTION OR BOUNDARIES SETTLED BY		
**	CONVENTION.					
**	ANY LEASE TO	WHICH THE SUBSECTION	N 70(2) OF THE REGIS	STRY ACT APPLIES.		
**DATE OF C	ONVERSION TO	LAND TITLES: 2004/0	7/26 **			
QR84333	1964/07/02	TRANSFER EASEMENT			THE BELL TELEPHONE COMPANY OF CANADA	С
RE.	MARKS: SKETCH	ATTACHED.				
QR126142	1969/03/31	TRANSFER EASEMENT			THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO	С
RE.	MARKS: SKETCH	ATTACHED.				
21R2397	1976/04/14	PLAN REFERENCE				С
QR547504	1997/10/01	TRANSFER	\$82,000		FOXKROFT STATION LTD.	С
21R20229	2002/03/20	PLAN REFERENCE				С
QR609992	2002/06/06	TRANSFER	\$2		FOXKROFT STATION LTD.	С
QR635514	2003/12/04	NOTICE OF CLAIM				С



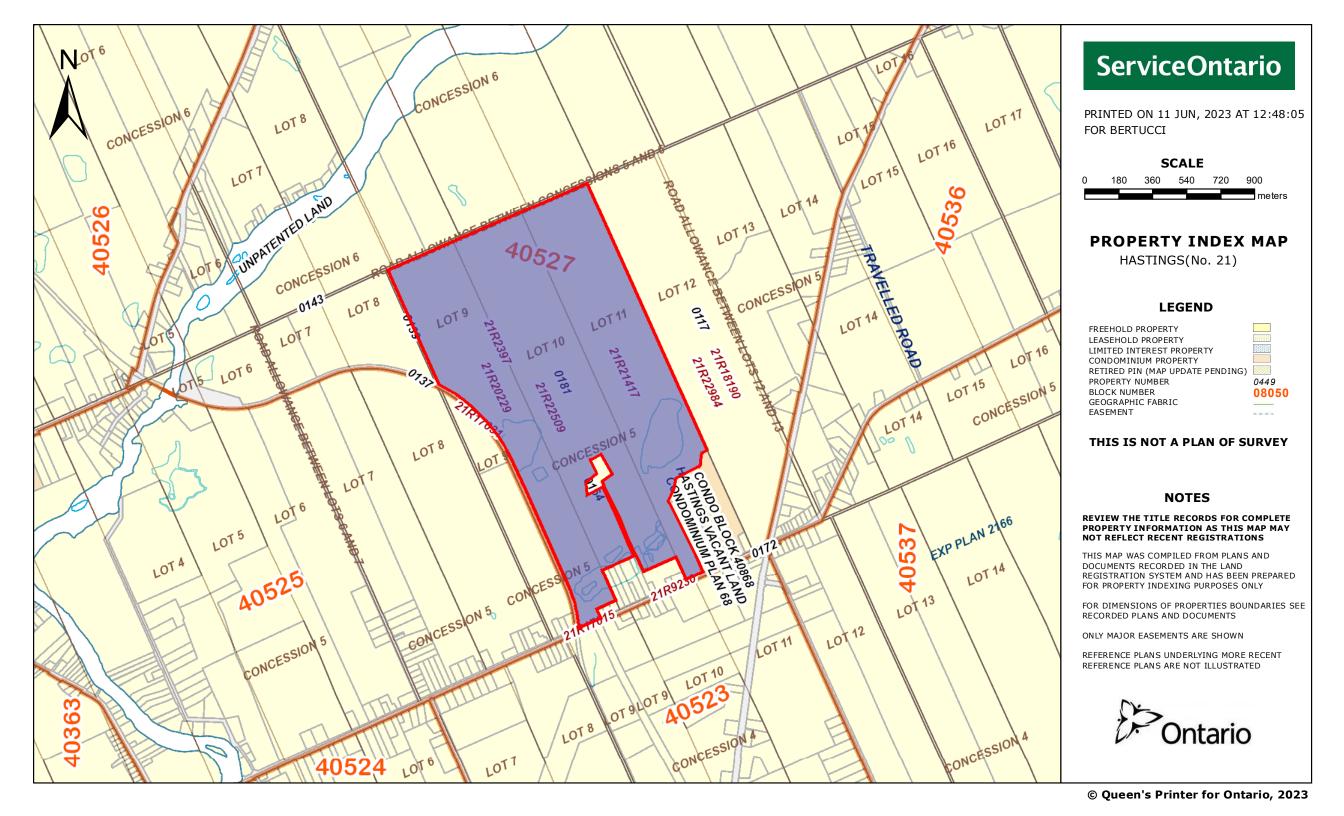
REGISTRY
OFFICE #21

40527-0181 (LT)

PAGE 2 OF 2
PREPARED FOR bertucci
ON 2023/06/11 AT 12:43:45

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
REI	MARKS: QR8433	33				
21R21417	2005/02/25	PLAN REFERENCE				С
нт37974	2007/09/04	TRANSFER	\$722,000	MAGEE, BRIAN ROBERT BOYD LEGER	FOXKROFT STATION LTD.	С
нт37975	2007/09/04	TRANSFER	\$441,000	MAGEE, BRIAN	FOXKROFT STATION LTD.	С
21R22509	2007/12/07	PLAN REFERENCE				С
НТ42508	2007/12/13	TRANSFER EASEMENT	\$2	FOXKROFT STATION LTD.	MAGEE, BRIAN ROBERT BOYD LEGER	С
нт42509	2007/12/13	TRANSFER EASEMENT	\$2	MAGEE, BRIAN ROBERT BOYD LEGER	FOXKROFT STATION LTD.	С
HT167400	2015/02/11	APL CH NAME OWNER		FOXKROFT STATION LTD.	BLACK BEAR RIDGE INC.	С
HT294180	2021/08/17 MARKS: PLANN	TRANSFER NG ACT STATEMENTS.	\$4,328,349	BLACK BEAR RIDGE INC.	BLACK BEAR RIDGE GP INC.	С
HT296663	2021/09/21	CHARGE PARTNERSHIP	\$6,000,000	BLACK BEAR RIDGE GP INC. BLACK BEAR RIDGE LIMITED PARTNERSHIP	1927834 ONTARIO INC. MAGEE, SUSAN MARGARET MAGEE, BRENDAN ROBERT BRIAN MAGEE, DIANA ELAINE	С
HT313679	2022/06/22 MARKS: HT2966	TRANSFER OF CHARGE		1927834 ONTARIO INC.	MAGEE, SUSAN MARGARET MAGEE, BRENDAN ROBERT BRIAN MAGEE, DIANA ELAINE	С





Appendix E EcoLog ERIS Database Report



Project Property: Phase One ESA

501 Harmony Road

Corbyville ON K0K 1V0

Project No: P22428

Report Type: Quote - Custom-Build Your Own Report

Order No: 23021600530

Requested by: Palmer Environmental Consulting Group

Inc.

Date Completed: April 21, 2023

Table of Contents

Table of Contents	2
Executive Summary	
Executive Summary: Report Summary	4
Executive Summary: Site Report Summary - Project Property	6
Executive Summary: Site Report Summary - Surrounding Properties	11
Executive Summary: Summary By Data Source	
Map	33
Aerial	
Topographic Map	35
Detail Report	36
Unplottable Summary	552
Unplottable Report	553
Appendix: Database Descriptions	560
Definitions	569

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

_			
$\nu r \cap$	norti	/ Into	rmation:
	ひせんし	, iiiio	madul.

Project Property: Phase One ESA

501 Harmony Road Corbyville ON K0K 1V0

Order No: 23021600530

Project No: P22428

Order Information:

 Order No:
 23021600530

 Date Requested:
 February 16, 2023

Requested by: Palmer Environmental Consulting Group Inc. **Report Type:** Quote - Custom-Build Your Own Report

Historical/Products:

ERIS Xplorer <u>ERIS Xplorer</u>

Land Title Search Historical Land Title Search

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	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	0	0
CA	Certificates of Approval	Υ	0	1	1
CDRY	Dry Cleaning Facilities	Υ	0	0	0
CFOT	Commercial Fuel Oil Tanks	Υ	0	0	0
CHEM	Chemical Manufacturers and Distributors	Υ	0	0	0
CHM	Chemical Register	Υ	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Υ	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Υ	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	1	1
EBR	Environmental Registry	Y	0	1	1
ECA	Environmental Compliance Approval	Y	0	2	2
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	0	0
EIIS	Environmental Issues Inventory System	Υ	0	0	0
EMHE	Emergency Management Historical Event	Υ	0	0	0
EPAR	Environmental Penalty Annual Report	Υ	0	0	0
EXP	List of Expired Fuels Safety Facilities	Υ	0	0	0
FCON	Federal Convictions	Υ	0	0	0
FCS	Contaminated Sites on Federal Land	Υ	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Υ	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	5	4	9
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Υ	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System	Y	0	0	0
NCPL	(NATES) Non-Compliance Reports	Y	0	3	3
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal	Y	0	0	0
NEBI	Sites National Energy Board Pipeline Incidents	Υ	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
ОРСВ	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	3	3
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	2	0	2
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	0	0
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks Wasto Disposal Sites - MOE CA Inventory	Y Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	-	0	-
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory		0	0	0
WWIS	Water Well Information System	Y	33	86	119
		Total:	40	101	141

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	wwis		501 HARMONY RD lot 10 con 5 BELLEVILLE ON	WSW/0.0	0.06	<u>36</u>
			Well ID: 7213222			
<u>2</u>	WWIS		501 HARMONY RD lot 10 con 5 BELLEVILLE ON	WNW/0.0	1.29	<u>40</u>
			Well ID: 7213221			
<u>3</u>	WWIS		501 HARMONY RD lot 10 con 5 BELLEVILLE ON	S/0.0	-2.90	<u>43</u>
			Well ID: 7213210			
<u>4</u>	wwis		561 HARMONY RD lot 10 con 5 BELLEVILLE ON	SSW/0.0	-2.69	<u>49</u>
			Well ID: 7213211			
<u>5</u>	WWIS		lot 12 con 5 ON	ESE/0.0	-7.13	<u>56</u>
			Well ID: 2904006			
<u>6</u> .	wwis		501 HARMONY RD. RR#1 lot 10 con 5 CORBYVILLE ON	SSW/0.0	-2.69	<u>59</u>
			Well ID: 7152520			
<u>7</u> *	wwis		501 HARMONY RD. RR#1 lot 10 con 5 CORBYVILLE ON	WNW/0.0	-0.63	<u>64</u>
			Well ID: 7154173			
<u>8</u>	wwis		501 HARMONY RD lot 10 con 5 CORBYVILLE ON	ENE/0.0	-5.62	<u>68</u>
			Well ID: 7167155			

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
<u>9</u>	wwis		501 HARMONY RD lot 10 con 5 BELLEVILLE ON	SW/0.0	-1.34	<u>75</u>
			Well ID: 7213208			
<u>10</u>	WWIS		501 HARMONY RD lot 10 con 5 CORBYVILLE ON	ENE/0.0	-1.53	<u>82</u>
			Well ID : 7167154			
<u>11</u>	WWIS		501 HARMONY RD. RR#1 lot 10 con 5 COBBYVILLE ON	E/0.0	-7.72	<u>90</u>
			Well ID : 7154171			
<u>12</u>	WWIS		501 HARMONY RD lot 9 con 5 BELLEVILLE ON	SW/0.0	-2.74	98
			Well ID : 7213209			
<u>13</u>	WWIS		501 HARMONY ROAD RR1 lot 10 con 5 CORBYVILLE ON	SSE/0.0	-9.35	<u>101</u>
			Well ID : 7155672			
<u>14</u>	WWIS		501 HARMONY RD RR#1 lot 10 con 5 CORBYVILLE ON	ESE/0.0	-9.83	108
			Well ID : 7159891			
<u>15</u>	WWIS		501 HARMONY ROAD RR1 lot 10 con 5 CORBYVILLE ON	SE/0.0	-10.23	116
			Well ID: 7155673			
<u>16</u>	WWIS		501 HARMONY RD. RR#1 lot 10 con 5 CORBYVILLE ON	S/0.0	-10.39	123
			Well ID: 7152519			
<u>17</u>	WWIS		501 HARMONY RD RR1 lot 10 con 5 CORBYVILLE ON	ESE/0.0	-10.77	131
			Well ID: 7159892			
<u>18</u>	WWIS		501 HARMONY RD. RR#1 lot 9 con 5 CORBYVILLE ON	SSW/0.0	-8.70	138

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
			Well ID: 7150671			
<u>19</u>	wwis		HARMONY RD RR1 lot 10 con 5 CORBYVILLE ON	NNE/0.0	8.20	146
			Well ID: 2920485			
<u>19</u>	WWIS		501 HARMONY ROAD lot 10 con 5 CORBYVILLE ON	NNE/0.0	8.20	<u>154</u>
			Well ID: 7137686			
20	PTTW	Black Bear Ridge Inc	Lot: 9, 10, 11, Concession: 5, 501 Harmony Road, Geographic Township of Thurlow, City of Belleville, County of Hastings CITY OF BELLEVILLE ON	S/0.0	-11.70	156
<u>20</u>	GEN	Black Bear Golf Club	501 Harmony Rd Corbyville ON K0K 1V0	S/0.0	-11.70	<u>157</u>
<u>20</u>	GEN	Black Bear Golf Club	501 Harmony Rd Corbyville ON K0K 1V0	S/0.0	-11.70	<u>157</u>
<u>20</u>	GEN	Black Bear Golf Club	501 Harmony Rd Corbyville ON K0K 1V0	S/0.0	-11.70	<u>158</u>
<u>20</u>	GEN	Black Bear Golf Club	501 Harmony Rd Corbyville ON K0K 1V0	S/0.0	-11.70	<u>158</u>
<u>20</u>	PTTW	Black Bear Ridge GP Inc.	501 Harmony Road Lot 9 to 11, Concession 5 Belleville, ON Canada ON	S/0.0	-11.70	<u>158</u>
<u>20</u>	GEN	BLACK BEAR RIDGE GP INC	501 HARMONY ROAD CORBYVILLE ON KOK 1V0	\$/0.0	-11.70	<u>159</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
<u>21</u>	wwis		lot 9 con 5 ON <i>Well ID:</i> 2905402	S/0.0	-10.70	159
<u>22</u>	wwis		501 HARMONY RD RR1 lot 11 con 5 CORBYVILLE ON Well ID: 7144282	E/147.6	-7.05	<u>162</u>
<u>23</u>	wwis		lot 9 con 5 ON <i>Well ID</i> : 2903191	SSW/0.0	-9.70	<u>170</u>
<u>24</u>	wwis		501 HARMONY RD RR1 lot 11 con 5 CORBYVILLE ON Well ID: 7168720	E/168.4	-6.43	<u>173</u>
<u>25</u>	wwis		501 HARMONY RD RR1 lot 11 con 5 CORBYVILLE ON Well ID: 7168721	E/173.9	-6.74	<u>181</u>
<u>26</u>	wwis		501 HARMONY RD RR1 lot 11 con 5 CORBYVILLE ON Well ID: 7169616	E/171.2	-6.60	<u>189</u>
<u>27</u>	WWIS		501 HARMONY RD RR1 lot 11 con 5 CORBYVILLE ON Well ID: 7169615	E/172.2	-7.78	197
28	wwis		501 HARMONY RD RR1 lot 11 con 5 CORBYVILLE ON Well ID: 7168722	E/225.1	-4.71	<u>204</u>
<u>29</u>	wwis		501 HARMONY ROAD RR#1 lot 11 con 5 CORBYVILLE ON Well ID: 7173694	E/220.8	-5.71	212

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
<u>30</u>	wwis		501 HARMONY RD RR1 lot 11 con 5 CORBYVILLE ON	E/222.2	-5.71	<u>219</u>
			Well ID: 7144259			
<u>31</u>	WWIS		lot 8 con 4 ON	SSW/28.6	-10.70	<u>227</u>
			Well ID: 2906477			
<u>32</u>	wwis		501 HARMONY RD RR#1 lot 11 con 5 CORBYVILLE ON	E/231.4	-6.64	230
			Well ID : 7167151			
<u>33</u>	wwis		501 HARMONY RD RR#1 lot 11 con 5 CORBYVILLE ON	E/227.3	-6.66	238
			Well ID: 7167152			

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>34</u>	wwis		lot 10 con 5 ON <i>Well ID:</i> 2903196	SSE/0.7	-9.57	<u>245</u>
			Ven ID. 2303130			
<u>35</u>	wwis		lot 10 con 5 ON	SSE/1.3	-9.57	248
			Well ID: 2903197			
<u>35</u>	wwis		lot 10 con 5 ON	SSE/1.3	-9.57	<u>251</u>
			Well ID: 2903198			
<u>36</u>	WWIS		lot 11 con 5 ON	ESE/5.4	-5.70	<u>253</u>
			Well ID: 2903201			
<u>37</u>	GEN	1126542 Ontario Limited	575 Harmony Road Belleville ON	SE/9.4	-8.57	<u>256</u>
<u>38</u>	wwis		ON	SE/10.8	-6.83	<u>256</u>
			Well ID: 7262830			
<u>39</u>	WWIS		lot 11 con 4 ON	ESE/11.2	-4.70	<u>257</u>
			Well ID: 2903114			
<u>40</u>	WWIS		lot 10 con 5 ON	SSE/11.8	-9.70	<u>260</u>
			Well ID: 2903192			
<u>41</u>	WWIS		lot 10 con 5 ON	ESE/12.1	-7.78	<u>262</u>
			Well ID : 2903199			
<u>42</u>	wwis		626 HARMONY RD. BELLEVILLE ON	ESE/12.4	-4.77	264
			Well ID: 7266747			
43	PES	WEED WARRIORS II	R. R. #1, 445 HARMONY RD. CORBYVILLE ON K0K 1V0	SSW/13.1	-9.70	<u>267</u>
<u>43</u>	PES	WEED WARRIORS II	R. R. #1, 445 HARMONY RD. CORBYVILLE ON K0K1V0	SSW/13.1	-9.70	<u>267</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>43</u>	PES	WEED WARRIORS II	R. R. #1, 445 HARMONY RD. CORBYVILLE ON K0K1V0	SSW/13.1	-9.70	<u>268</u>
44	wwis		lot 9 con 5 ON <i>Well ID:</i> 2904449	S/17.7	-9.67	<u>268</u>
<u>44</u>	wwis		lot 9 con 5 ON	S/17.7	-9.67	<u>271</u>
<u>45</u>	wwis		Well ID: 2905311 lot 10 con 5 ON	SSE/18.7	-9.70	<u>275</u>
<u>46</u>	wwis		Well ID: 2903194 lot 9 con 5 ON	SSW/22.4	-9.70	<u>278</u>
<u>47</u>	wwis		Well ID: 2903190 lot 9 con 5 ON	SSW/24.9	-9.70	<u>281</u>
<u>48</u>	wwis		Well ID: 2909173 626 HARMONY RD. lot 10 con 4 BELLEVILLE ON	ESE/26.6	-4.70	284
<u>49</u>	wwis		Well ID: 7266817 lot 9 con 5 ON	SSW/32.7	-9.70	<u>287</u>
<u>50</u>	wwis		Well ID: 2904011 lot 9 con 4	S/41.9	-9.70	<u>290</u>
51	wwis		ON Well ID: 2903092	ESE/45.2	-4.70	292
_			ON Well ID: 7234404			
<u>52</u>	WWIS		lot 10 con 5 ON <i>Well ID:</i> 2903193	SE/45.7	-9.70	293
<u>53</u>	WWIS		lot 10 con 5 ON <i>Well ID</i> : 2903200	SE/47.7	-9.70	<u>296</u>
<u>54</u>	wwis		lot 9 con 5 ON	SSW/49.7	-10.42	<u>299</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 2904004			
<u>55</u>	WWIS		lot 10 con 4 ON	SE/53.7	-7.61	<u>301</u>
			Well ID: 2903106			
<u>56</u>	WWIS		lot 10 con 4 ON	ESE/54.7	-4.70	<u>304</u>
			Well ID: 2903113			
<u>57</u>	WWIS		626 HARMONY ROAD lot 11 con 4 BELLEVILLE ON	ESE/58.3	-5.49	307
			Well ID: 7278389			
<u>58</u>	WWIS		lot 11 con 4 ON	ESE/61.3	-4.70	<u>309</u>
			Well ID: 2904225			
<u>59</u>	WWIS		lot 8 con 4 ON	SSW/61.8	-9.67	<u>312</u>
			Well ID: 2904148			
<u>60</u>	WWIS		lot 9 con 4 ON	SSW/65.0	-11.12	<u>315</u>
			Well ID: 2904013			
<u>61</u>	WWIS		lot 9 con 4 ON	SSE/66.4	-9.70	318
			Well ID: 2903091			
<u>62</u>	WWIS		lot 10 con 5 ON	SSE/73.7	-9.70	321
			Well ID: 2903195			
<u>63</u>	GEN	Belleville Fire and Rescue-Fire Hall 4	516 Harmoney Rd Corbyville ON K0K 1V0	SSE/74.1	-9.70	324
62	GEN	Belleville Fire and Rescue-Fire	516 Harmoney Rd	SSE/74.1	-9.70	324
<u>63</u>	GLIV	Hall 4	Corbyville ON K0K 1V0	GGE/74.1	3.70	324
63	GEN	Belleville Fire and Rescue-Fire	516 Harmoney Rd	SSE/74.1	-9.70	325
		Hall 4	Corbyville ON K0K 1V0			
64	EASR	JDH Junk Removal	541 Harmony RD	SSE/79.9	-9.94	325
_			belleville ON K0K 1V0			
GE .)A/\A/IC		lot 9 con 5	NW/83.5	-7.32	325
<u>65</u>	WWIS		ON	INVV/OS.S	-1 .JZ	325

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 2917701			
<u>65</u>	wwis		lot 9 con 5 ON <i>Well ID:</i> 2917702	NW/83.5	-7.32	329
<u>65</u>	wwis		lot 9 con 5 ON	NW/83.5	-7.32	334
			Well ID: 2918486			
<u>65</u>	WWIS		lot 9 con 5 ON	NW/83.5	-7.32	337
			Well ID: 2911842			
<u>66</u>	WWIS		lot 10 con 4 ON	ESE/89.4	-4.70	<u>341</u>
			Well ID: 2903096			
<u>67</u>	WWIS		lot 10 con 5 ON	N/92.3	-1.19	<u>344</u>
			Well ID : 2917714			
<u>67</u>	WWIS		lot 10 con 5 ON	N/92.3	-1.19	348
			Well ID: 2917715			
<u>67</u>	WWIS		lot 10 con 5 ON	N/92.3	-1.19	<u>352</u>
			Well ID: 2917716			
<u>67</u>	WWIS		lot 10 con 5 ON	N/92.3	-1.19	<u>356</u>
			Well ID: 2917873			
<u>67</u>	WWIS		lot 10 con 5 ON	N/92.3	-1.19	<u>360</u>
			Well ID : 2917874			
<u>67</u>	WWIS		lot 10 con 5 ON	N/92.3	-1.19	<u>364</u>
			Well ID: 2917875			
<u>67</u>	WWIS		lot 10 con 5 ON	N/92.3	-1.19	<u>369</u>
			Well ID : 2917914			
<u>67</u>	WWIS		lot 10 con 5 ON	N/92.3	-1.19	<u>373</u>
			Well ID : 2918005			
<u>67</u>	WWIS		lot 10 con 5 ON	N/92.3	-1.19	<u>378</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 2915694			
<u>67</u>	WWIS		lot 10 con 5 ON	N/92.3	-1.19	382
			Well ID: 2916930			
<u>68</u>	CA	Harmony Public School	626 Harmony Road Belleville ON	ESE/92.8	-4.70	386
<u>68</u>	EBR	Hastings and Prince Edward District School Board	626 Harmony Road Belleville, County of Hastings K0K 1V0 CITY OF BELLEVILLE ON	ESE/92.8	-4.70	<u>386</u>
<u>68</u>	ECA	Hastings and Prince Edward District School Board	626 Harmony Rd , Corbyville Belleville ON K0K 1V0	ESE/92.8	-4.70	387
<u>68</u>	ECA	Hastings and Prince Edward District School Board	626 Harmony Road Belleville ON K8N 3L3	ESE/92.8	-4.70	<u>387</u>
<u>68</u>	NCPL	Hastings and Prince Edward District School Board -Harmony Public School	626 Harmony Rd Corbyville Belleville ON	ESE/92.8	-4.70	388
<u>68</u>	NCPL	Hastings and Prince Edward District School Board	626 Harmony Rd Corbyville Belleville ON	ESE/92.8	-4.70	388
<u>68</u>	NCPL	Hastings and Prince Edward Counties School Board	626 Harmony Rd Belleville ON	ESE/92.8	-4.70	<u>389</u>
<u>69</u>	WWIS		626 HARMONY RD BELLEVILLE ON Well ID: 7278390	ESE/94.3	-5.73	<u>390</u>
<u>70</u>	WWIS		lot 10 con 4 ON Well ID: 7050008	ESE/97.7	-4.70	392
<u>71</u>	WWIS		lot 9 con 4 ON	SSE/107.0	-8.64	<u>397</u>
<u>71</u>	wwis		Well ID: 2904305 lot 9 con 4 ON Well ID: 2904453	SSE/107.0	-8.64	<u>401</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>72</u>	WWIS		lot 8 con 4 ON	SW/111.6	-9.70	<u>404</u>
			Well ID: 2904514			
<u>73</u>	WWIS		lot 10 con 4 ON	ESE/117.3	-4.70	<u>407</u>
			Well ID: 7050044			
<u>74</u>	WWIS		ON	SE/120.4	-6.00	412
			Well ID: 7262831			
<u>75</u>	WWIS		552 HARMONY RD Belleville ON	SE/120.8	-7.46	413
			Well ID: 7282661			
<u>76</u>	wwis		567 HARMONY ROAD lot 11 con 5 Belleville ON	E/122.6	-8.76	<u>416</u>
			Well ID: 7317849			
<u>77</u>	WWIS		lot 8 con 5 ON	SW/127.0	-9.70	<u>423</u>
			Well ID: 2903187			
<u>78</u>	WWIS		lot 11 con 5 ON	NNE/133.6	-10.37	426
			Well ID: 2918837			
<u>78</u>	WWIS		lot 11 con 5 ON	NNE/133.6	-10.37	428
			Well ID: 2918838			
<u>78</u>	WWIS		lot 11 con 5 ON	NNE/133.6	-10.37	432
			Well ID: 2918839			
<u>78</u>	WWIS		lot 11 con 5 ON	NNE/133.6	-10.37	435
			Well ID: 2918843			
<u>78</u>	WWIS		lot 11 con 5 ON	NNE/133.6	-10.37	439
			Well ID: 2918891			
<u>79</u>	wwis		lot 11 con 5 ON	NE/133.9	-10.37	441
			Well ID: 2917796			
<u>79</u>	wwis		lot 11 con 5 ON	NE/133.9	-10.37	445
			Well ID: 2917797			

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>79</u>	WWIS		lot 11 con 5 ON	NE/133.9	-10.37	<u>449</u>
			Well ID: 2917798			
<u>79</u>	WWIS		lot 11 con 5 ON	NE/133.9	-10.37	<u>453</u>
			Well ID: 2917799			
<u>79</u>	WWIS		lot 11 con 5 ON	NE/133.9	-10.37	<u>457</u>
			Well ID: 2917800			
<u>79</u>	WWIS		lot 11 con 5 ON	NE/133.9	-10.37	462
			Well ID: 2911409			
<u>79</u>	WWIS		lot 11 con 5 ON	NE/133.9	-10.37	<u>466</u>
			Well ID: 2911845			
<u>79</u>	WWIS		lot 11 con 5 ON	NE/133.9	-10.37	<u>470</u>
			Well ID: 2916901			
<u>79</u>	WWIS		lot 11 con 5 ON	NE/133.9	-10.37	<u>475</u>
			Well ID: 2916902			
<u>79</u>	WWIS		lot 11 con 5 ON	NE/133.9	-10.37	<u>480</u>
			Well ID: 2917673			
<u>79</u>	WWIS		lot 11 con 5 ON	NE/133.9	-10.37	484
			Well ID: 2917674			
<u>79</u>	WWIS		lot 11 con 5 ON	NE/133.9	-10.37	486
			Well ID: 2917675			
<u>79</u>	WWIS		lot 11 con 5 ON	NE/133.9	-10.37	<u>490</u>
			Well ID: 2917676			
<u>79</u>	WWIS		lot 11 con 5 ON	NE/133.9	-10.37	<u>494</u>
			Well ID: 2917677			
<u>79</u>	WWIS		lot 11 con 5 ON	NE/133.9	-10.37	498
			Well ID: 2917678			

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>79</u>	wwis		lot 11 con 5 ON <i>Well ID</i> : 2917679	NE/133.9	-10.37	<u>502</u>
<u>79</u>	WWIS		lot 11 con 5 ON Well ID: 2917680	NE/133.9	-10.37	<u>506</u>
<u>80</u>	WWIS		ON	ESE/144.8	-4.00	<u>510</u>
<u>81</u>	WWIS		Well ID: 2919825 ON	ESE/152.1	-4.39	<u>511</u>
82	wwis		Well ID: 2919824 644 HARMONY ROAD lot 9 con 4 CORBYVILLE ON	ESE/159.6	-4.70	<u>513</u>
<u>83</u>	wwis		Well ID: 7341597 lot 8 con 5 ON	SW/177.8	-9.70	<u>518</u>
84	wwis		Well ID: 2905892	WNW/213.5	-4.65	<u>520</u>
84	wwis		ON Well ID: 2911864	WNW/213.5	-4.65	523
<u>s-</u>	······e		ON Well ID: 2911977			
<u>85</u>	WWIS		lot 11 con 5 ON <i>Well ID:</i> 2909296	E/216.3	-6.68	<u>527</u>
86	wwis		567 HARMONY RD lot 11 con 5 Belleville ON <i>Well ID</i> : 7301528	E/219.2	-6.35	<u>530</u>
<u>87</u>	WWIS		567 HARMONY ROAD lot 11 con 5 Belleville ON Well ID: 7314333	ENE/241.3	-5.05	537
<u>88</u>	WWIS		567 HARMONY ROAD lot 11 con 5 Belleville ON Well ID: 7317869	E/247.6	-5.05	<u>544</u>

Executive Summary: Summary By Data Source

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 1 CA site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	Distance (m)	Map Key
Harmony Public School	626 Harmony Road Belleville ON	92.8	<u>68</u>

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011- Feb 28, 2023 has found that there are 1 EASR site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	Distance (m)	<u>Map Key</u>
JDH Junk Removal	541 Harmony RD belleville ON K0K 1V0	79.9	<u>64</u>

EBR - Environmental Registry

A search of the EBR database, dated 1994 - Feb 28, 2023 has found that there are 1 EBR site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	Distance (m)	<u>Map Key</u>
Hastings and Prince Edward District School Board	626 Harmony Road Belleville, County of Hastings K0K 1V0 CITY OF BELLEVILLE	92.8	<u>68</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Feb 28, 2023 has found that there are 2 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Hastings and Prince Edward District School Board	626 Harmony Rd , Corbyville Belleville ON K0K 1V0	92.8	<u>68</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Hastings and Prince Edward District School Board	626 Harmony Road Belleville ON K8N 3L3	92.8	<u>68</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Oct 31, 2022 has found that there are 9 GEN site(s) within approximately 0.25 kilometers of the project property.

Site Black Bear Golf Club	Address 501 Harmony Rd	Distance (m) 0.0	Map Key
	Corbyville ON K0K 1V0		==
Black Bear Golf Club	501 Harmony Rd Corbyville ON K0K 1V0	0.0	<u>20</u>
Black Bear Golf Club	501 Harmony Rd Corbyville ON K0K 1V0	0.0	<u>20</u>
Black Bear Golf Club	501 Harmony Rd Corbyville ON K0K 1V0	0.0	<u>20</u>
BLACK BEAR RIDGE GP INC	501 HARMONY ROAD CORBYVILLE ON KOK 1V0	0.0	<u>20</u>
1126542 Ontario Limited	575 Harmony Road Belleville ON	9.4	<u>37</u>
Belleville Fire and Rescue-Fire Hall 4	516 Harmoney Rd Corbyville ON K0K 1V0	74.1	<u>63</u>
Belleville Fire and Rescue-Fire Hall 4	516 Harmoney Rd Corbyville ON K0K 1V0	74.1	<u>63</u>

<u>Site</u>	<u>Address</u>	Distance (m)	Map Key
Belleville Fire and Rescue-Fire Hall 4	516 Harmoney Rd Corbyville ON K0K 1V0	74.1	<u>63</u>

NCPL - Non-Compliance Reports

A search of the NCPL database, dated Dec 31, 2021 has found that there are 3 NCPL site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	Distance (m)	Map Key
Hastings and Prince Edward District School Board	626 Harmony Rd Corbyville Belleville ON	92.8	<u>68</u>
Hastings and Prince Edward Counties School Board	626 Harmony Rd Belleville ON	92.8	<u>68</u>
Hastings and Prince Edward District School Board -Harmony Public School	626 Harmony Rd Corbyville Belleville ON	92.8	<u>68</u>

PES - Pesticide Register

A search of the PES database, dated Oct 2011- Feb 28, 2023 has found that there are 3 PES site(s) within approximately 0.25 kilometers of the project property.

Site	<u>Address</u>	Distance (m)	Map Key
WEED WARRIORS II	R. R. #1, 445 HARMONY RD. CORBYVILLE ON K0K 1V0	13.1	<u>43</u>
WEED WARRIORS II	R. R. #1, 445 HARMONY RD. CORBYVILLE ON K0K1V0	13.1	<u>43</u>
WEED WARRIORS II	R. R. #1, 445 HARMONY RD. CORBYVILLE ON K0K1V0	13.1	<u>43</u>

Order No: 23021600530

PTTW - Permit to Take Water

A search of the PTTW database, dated 1994 - Feb 28, 2023 has found that there are 2 PTTW site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	Distance (m)	Map Key
Black Bear Ridge GP Inc.	501 Harmony Road Lot 9 to 11, Concession 5 Belleville, ON Canada ON	0.0	<u>20</u>
Black Bear Ridge Inc	Lot: 9, 10, 11, Concession: 5, 501 Harmony Road, Geographic Township of Thurlow, City of Belleville, County of Hastings CITY OF BELLEVILLE ON	0.0	<u>20</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Jun 30 2022 has found that there are 119 WWIS site(s) within approximately 0.25 kilometers of the project property.

Site	Address 501 HARMONY RD lot 10 con 5	Distance (m)	Map Key
	BELLEVILLE ON Well ID: 7213222		_
	501 HARMONY RD lot 10 con 5 BELLEVILLE ON	0.0	<u>2</u>
	Well ID: 7213221		
	501 HARMONY RD lot 10 con 5 BELLEVILLE ON	0.0	<u>3</u>
	Well ID: 7213210		
	FOR HADMONY DD In 40 and 5	0.0	
	561 HARMONY RD lot 10 con 5 BELLEVILLE ON	0.0	<u>4</u>
	Well ID: 7213211		
		0.0	
	lot 12 con 5 ON	0.0	<u>5</u>
	Well ID: 2904006		
	501 HARMONY RD. RR#1 lot 10 con 5	0.0	6
	CORBYVILLE ON	0.0	<u>6</u>
	Well ID: 7152520		
	501 HARMONY RD. RR#1 lot 10 con 5	0.0	7
	CORBYVILLE ON		<u>7</u>
	Well ID: 7154173		

S	i	t	6
·	ı	L	c

Address 501 HARMONY RD lot 10 con 5 CORBYVILLE ON	Distance (m) 0.0	<u>Map Key</u> <u>8</u>
Well ID: 7167155		
501 HARMONY RD lot 10 con 5 BELLEVILLE ON	0.0	9
Well ID: 7213208		
501 HARMONY RD lot 10 con 5 CORBYVILLE ON	0.0	<u>10</u>
Well ID: 7167154		
501 HARMONY RD. RR#1 lot 10 con 5 COBBYVILLE ON	0.0	<u>11</u>
Well ID: 7154171		
501 HARMONY RD lot 9 con 5 BELLEVILLE ON	0.0	<u>12</u>
Well ID: 7213209		
501 HARMONY ROAD RR1 lot 10 con 5 CORBYVILLE ON	0.0	<u>13</u>
Well ID: 7155672		
501 HARMONY RD RR#1 lot 10 con 5 CORBYVILLE ON	0.0	<u>14</u>
Well ID: 7159891		
501 HARMONY ROAD RR1 lot 10 con 5 CORBYVILLE ON	0.0	<u>15</u>
Well ID: 7155673		
501 HARMONY RD. RR#1 lot 10 con 5 CORBYVILLE ON	0.0	<u>16</u>
Well ID: 7152519		
501 HARMONY RD RR1 lot 10 con 5 CORBYVILLE ON	0.0	<u>17</u>
Well ID: 7159892		
501 HARMONY RD. RR#1 lot 9 con 5 CORBYVILLE ON	0.0	<u>18</u>
Well ID: 7150671		
HARMONY RD RR1 lot 10 con 5 CORBYVILLE ON	0.0	<u>19</u>

<u>Address</u>	Distance (m)	<u>Map Key</u>
Well ID: 2920485		
501 HARMONY ROAD lot 10 con 5 CORBYVILLE ON	0.0	<u>19</u>
Well ID: 7137686		
lot 9 con 5 ON	0.0	<u>21</u>
Well ID: 2905402		
501 HARMONY RD RR1 lot 11 con 5 CORBYVILLE ON	147.6	<u>22</u>
Well ID: 7144282		
lot 9 con 5 ON	0.0	<u>23</u>
Well ID: 2903191		
501 HARMONY RD RR1 lot 11 con 5 CORBYVILLE ON	168.4	<u>24</u>
Well ID: 7168720		
501 HARMONY RD RR1 lot 11 con 5 CORBYVILLE ON	173.9	<u>25</u>
Well ID : 7168721		
501 HARMONY RD RR1 lot 11 con 5 CORBYVILLE ON	171.2	<u>26</u>
Well ID: 7169616		
501 HARMONY RD RR1 lot 11 con 5 CORBYVILLE ON	172.2	<u>27</u>
Well ID: 7169615		
501 HARMONY RD RR1 lot 11 con 5 CORBYVILLE ON	225.1	<u>28</u>
Well ID: 7168722		
501 HARMONY ROAD RR#1 lot 11 con 5 CORBYVILLE ON	220.8	<u>29</u>
Well ID: 7173694		
501 HARMONY RD RR1 lot 11 con 5 CORBYVILLE ON	222.2	<u>30</u>

Well ID: 7144259

<u>Site</u>

<u>Address</u>	Distance (m)	Map Key
lot 8 con 4 ON	28.6	<u>31</u>
Well ID: 2906477		
501 HARMONY RD RR#1 lot 11 con 5 CORBYVILLE ON	231.4	<u>32</u>
Well ID: 7167151		
501 HARMONY RD RR#1 lot 11 con 5 CORBYVILLE ON	227.3	<u>33</u>
Well ID: 7167152		
lot 10 con 5 ON	0.7	<u>34</u>
Well ID: 2903196		
lot 10 con 5 ON	1.3	<u>35</u>
Well ID: 2903197		
lot 10 con 5 ON	1.3	<u>35</u>
Well ID: 2903198		
lot 11 con 5 ON	5.4	<u>36</u>
Well ID: 2903201		
ON	10.8	<u>38</u>
Well ID: 7262830		
lot 11 con 4 ON	11.2	<u>39</u>
Well ID: 2903114		
lot 10 con 5 ON	11.8	<u>40</u>
Well ID: 2903192		
lot 10 con 5 ON	12.1	<u>41</u>
Well ID: 2903199		
626 HARMONY RD. BELLEVILLE ON	12.4	<u>42</u>

<u>Site</u>	Address Well ID: 7266747	Distance (m)	Map Key
	lot 9 con 5 ON	17.7	<u>44</u>
	Well ID: 2904449		
	lot 9 con 5 ON	17.7	<u>44</u>
	Well ID: 2905311		
	lot 10 con 5 ON	18.7	<u>45</u>
	Well ID: 2903194		
	lot 9 con 5 ON	22.4	<u>46</u>
	Well ID: 2903190		
	lot 9 con 5 ON	24.9	<u>47</u>
	Well ID: 2909173		
	626 HARMONY RD. lot 10 con 4 BELLEVILLE ON	26.6	<u>48</u>
	Well ID: 7266817		
	lot 9 con 5 ON	32.7	<u>49</u>
	Well ID : 2904011		
	lot 9 con 4 ON	41.9	<u>50</u>
	Well ID: 2903092		
	lot 11 con 4 ON	45.2	<u>51</u>
	Well ID: 7234404		
	lot 10 con 5 ON	45.7	<u>52</u>
	Well ID: 2903193		

lot 10 con 5 ON

Well ID: 2903200

47.7

<u>53</u>

Site

<u>Address</u>	Distance (m)	<u>Map Key</u>
lot 9 con 5 ON	49.7	<u>54</u>
Well ID: 2904004		
lot 10 con 4 ON	53.7	<u>55</u>
Well ID: 2903106		
lot 10 con 4 ON	54.7	<u>56</u>
Well ID: 2903113		
626 HARMONY ROAD lot 11 con 4 BELLEVILLE ON	58.3	<u>57</u>
Well ID: 7278389		
lot 11 con 4 ON	61.3	<u>58</u>
Well ID: 2904225		
lot 8 con 4 ON	61.8	<u>59</u>
Well ID: 2904148		
lot 9 con 4 ON	65.0	<u>60</u>
Well ID: 2904013		
lot 9 con 4 ON	66.4	<u>61</u>
Well ID: 2903091		
lot 10 con 5 ON	73.7	<u>62</u>
Well ID: 2903195		
lot 9 con 5 ON	83.5	<u>65</u>
Well ID: 2917701		
lot 9 con 5 ON	83.5	<u>65</u>
Well ID: 2917702		
lot 9 con 5 ON	83.5	<u>65</u>

<u>Site</u>	Address Well ID: 2918486	Distance (m)	<u>Map Key</u>
	lot 9 con 5 ON	83.5	<u>65</u>
	Well ID: 2911842		
	lot 10 con 4 ON	89.4	<u>66</u>
	Well ID: 2903096		
	lot 10 con 5 ON	92.3	<u>67</u>
	Well ID: 2917714		
	lot 10 con 5 ON	92.3	<u>67</u>
	Well ID: 2917715		
	lot 10 con 5 ON	92.3	<u>67</u>
	Well ID : 2917716		
	lot 10 con 5 ON	92.3	<u>67</u>
	Well ID : 2917873		
	lot 10 con 5 ON	92.3	<u>67</u>
	Well ID : 2917874		
	lot 10 con 5 ON	92.3	<u>67</u>
	Well ID : 2917875		
	lot 10 con 5 ON	92.3	<u>67</u>
	Well ID : 2917914		
	lot 10 con 5 ON	92.3	<u>67</u>
	Well ID : 2918005		
	lot 10 con 5 ON	92.3	<u>67</u>

Well ID: 2915694

S	i	t	6
·	ı	L	◡

Address lot 10 con 5	<u>Distance (m)</u> 92.3	Map Key 67
ON Well ID: 2916930		_
626 HARMONY RD BELLEVILLE ON	94.3	<u>69</u>
Well ID: 7278390		
lot 10 con 4 ON	97.7	<u>70</u>
Well ID: 7050008		
lot 9 con 4 ON	107.0	<u>71</u>
Well ID: 2904305		
lot 9 con 4 ON	107.0	<u>71</u>
Well ID: 2904453		
lot 8 con 4 ON	111.6	<u>72</u>
Well ID: 2904514		
lot 10 con 4 ON	117.3	<u>73</u>
Well ID: 7050044		
ON	120.4	<u>74</u>
Well ID: 7262831		
552 HARMONY RD Belleville ON	120.8	<u>75</u>
Well ID: 7282661		
567 HARMONY ROAD lot 11 con 5 Belleville ON	122.6	<u>76</u>
Well ID: 7317849		
lot 8 con 5 ON	127.0	<u>77</u>
Well ID: 2903187		
lot 11 con 5 ON	133.6	<u>78</u>

Site	Address Well ID: 2918837	Distance (m)	Map Key
	lot 11 con 5 ON	133.6	<u>78</u>
	Well ID: 2918838		
	lot 11 con 5 ON	133.6	<u>78</u>
	Well ID: 2918839		
	lot 11 con 5 ON	133.6	<u>78</u>
	Well ID: 2918843		
	lot 11 con 5 ON	133.6	<u>78</u>
	Well ID: 2918891		
	lot 11 con 5 ON	133.9	<u>79</u>
	Well ID: 2917796		
	lot 11 con 5 ON	133.9	<u>79</u>
	Well ID: 2917797		
	lot 11 con 5 ON	133.9	<u>79</u>
	Well ID: 2917798		
	lot 11 con 5 ON	133.9	<u>79</u>
	Well ID: 2917799		
	lot 11 con 5 ON	133.9	<u>79</u>
	Well ID: 2917800		
	lot 11 con 5 ON	133.9	<u>79</u>
	Well ID: 2911409		
	lot 11 con 5 ON	133.9	<u>79</u>

Well ID: 2911845

C	i	+	_
J	ı	ι	ᢏ

<u>Address</u>	Distance (m)	<u>Map Key</u>
lot 11 con 5 ON	133.9	<u>79</u>
Well ID: 2916901		
lot 11 con 5 ON	133.9	<u>79</u>
Well ID: 2916902		
lot 11 con 5 ON	133.9	<u>79</u>
Well ID: 2917675		
lot 11 con 5 ON	133.9	<u>79</u>
Well ID : 2917676		
lot 11 con 5 ON	133.9	<u>79</u>
Well ID : 2917677		
lot 11 con 5 ON	133.9	<u>79</u>
Well ID: 2917678		
lot 11 con 5 ON	133.9	<u>79</u>
Well ID : 2917679		
lot 11 con 5 ON	133.9	<u>79</u>
Well ID : 2917680		
lot 11 con 5 ON	133.9	<u>79</u>
Well ID : 2917673		
lot 11 con 5 ON	133.9	<u>79</u>
Well ID : 2917674		
ON	144.8	<u>80</u>
Well ID: 2919825		
ON	152.1	<u>81</u>

<u>Site</u>	Address Well ID: 2919824	Distance (m)	<u>Map Key</u>
	644 HARMONY ROAD lot 9 con 4 CORBYVILLE ON	159.6	<u>82</u>
	Well ID: 7341597		
	lot 8 con 5 ON	177.8	<u>83</u>
	Well ID: 2905892		
	lot 8 con 5 ON	213.5	<u>84</u>
	Well ID: 2911864		
	lot 8 con 5 ON	213.5	<u>84</u>
	Well ID: 2911977		
	lot 11 con 5 ON	216.3	<u>85</u>
	Well ID: 2909296		
	567 HARMONY RD lot 11 con 5 Belleville ON	219.2	<u>86</u>
	Well ID: 7301528		

567 HARMONY ROAD lot 11 con 5

567 HARMONY ROAD lot 11 con 5 Belleville ON

Belleville ON

Well ID: 7314333

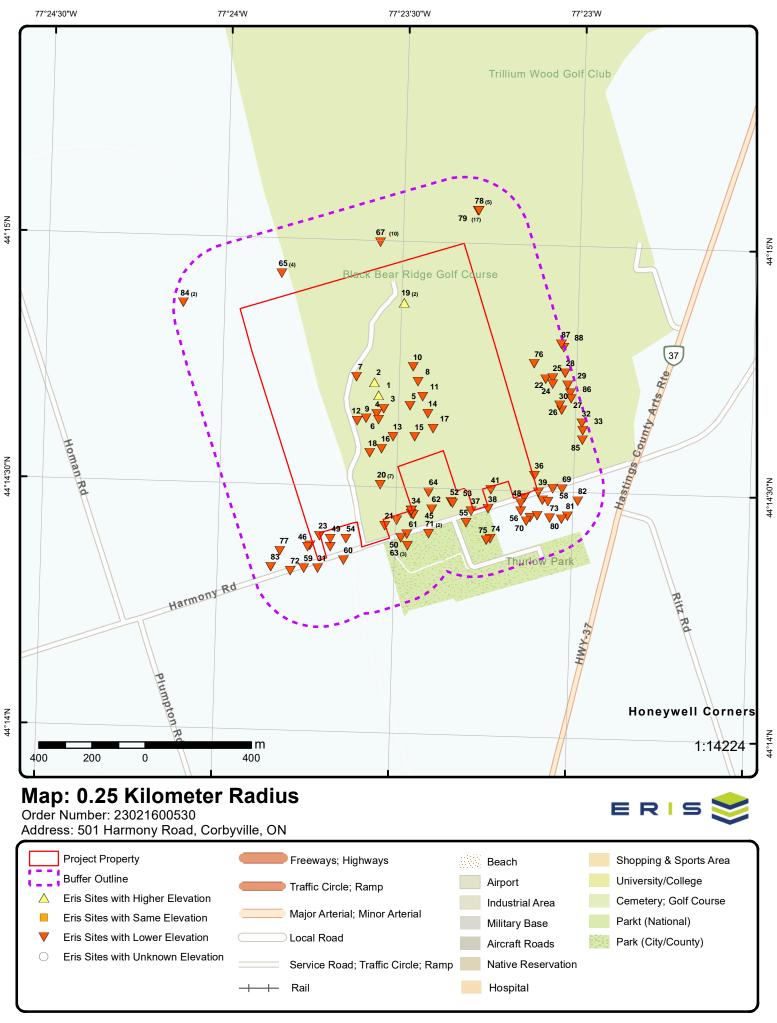
Well ID: 7317869

241.3

247.6

87

88



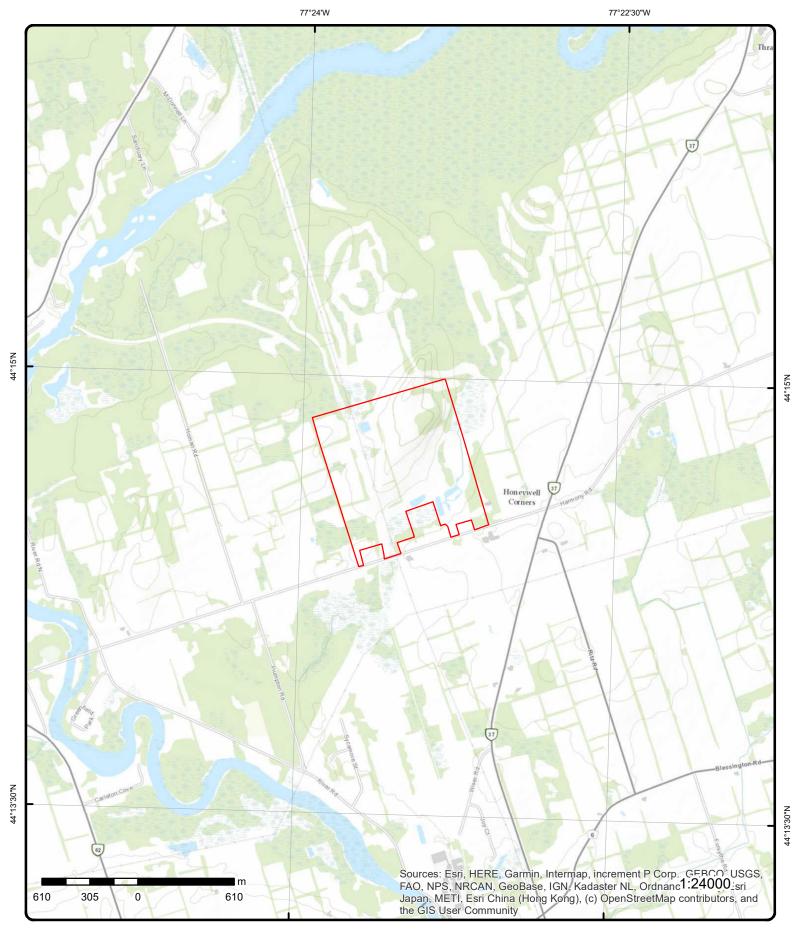
Aerial Year: 2020

Source: ESRI World Imagery

Address: 501 Harmony Road, Corbyville, ON

Order Number: 23021600530





Topographic Map

Address: 501 Harmony Road, ON

Source: ESRI World Topographic Map

Order Number: 23021600530







Detail Report

	WSW/0.0				
<u>1</u> 1 of 1		119.6 / 0.06	501 HARMONY RD IO BELLEVILLE ON	ot 10 con 5	wwis
Well ID: 72132 Construction Date: Use 1st: Not Us Use 2nd: Final Well Status: Aband Water Type: Casing Material: Audit No: Z1718 Tag: Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: Site Info:	ed oned-Supply	SHIP	Flowing (Y/N): Flow Rate: Data Entry Status: Data Serc: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: County: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	17-Dec-2013 00:00:00 TRUE Yes 1507 7 HASTINGS 010 05 CON	

 $https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/721\2222.pdf$

Order No: 23021600530

Additional Detail(s) (Map)

 Well Completed Date:
 2013/10/24

 Year Completed:
 2013

 Depth (m):
 61.2648

 Latitude:
 44.2447663900876

 Longitude:
 -77.3926280258825

 Path:
 721\7213222.pdf

Bore Hole Information

PDF URL (Map):

Bore Hole ID: 1004668394 Elevation: DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 308962.00

 Code OB Desc:
 North83:
 4901843.00

 Open Hole:
 Org CS:
 UTM83

 Cluster Kind:
 UTMRC:
 4

Date Completed: 24-Oct-2013 00:00:00 **UTMRC Desc:** margin of error : 30 m - 100 m

Remarks: Location Method: ww

Loc Method Desc: on Water Well Record Elevro Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

Formation ID: 1005022762

 Layer:
 5

 Color:
 2

 General Color:
 GREY

 Mat1:
 21

 Most Common Material:
 GRANITE

 Mat2:
 73

 Mat2 Desc:
 HARD

Mat3: Mat3 Desc:

Formation Top Depth: 199.0 Formation End Depth: 201.0 Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1005022760

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material:LIMESTONEMat2:73Mat2 Desc:HARD

Mat3: Mat3 Desc:

Formation Top Depth: 52.0
Formation End Depth: 182.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1005022761

 Layer:
 4

 Color:
 7

 General Color:
 RED

 Mat1:
 18

Most Common Material: SANDSTONE

 Mat2:
 73

 Mat2 Desc:
 HARD

Mat3:

Mat3 Desc:

Formation Top Depth: 182.0 Formation End Depth: 199.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1005022759

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 79

 Mat2 Desc:
 PACKED

Mat3: Mat3 Desc:

Formation Top Depth: 20.0 Formation End Depth: 52.0 Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1005022758 Layer: 1 Color: 6 **BROWN** General Color: Mat1: 05 Most Common Material: CLAY Mat2: 79 Mat2 Desc: **PACKED**

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 20.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 1005022771

 Layer:
 1

 Plug From:
 201.0

 Plug To:
 70.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1005022772

 Layer:
 2

 Plug From:
 70.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

Use

Method Construction ID: 1005022770

Method Construction Code:

Method Construction:Rotary (Convent.)Other Method Construction:CABLE TOOL

Pipe Information

Pipe ID: 1005022757

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1005022767

Layer: Material:

Open Hole or Material:

Depth From: Depth To: Casing Diameter: Casing Diameter UOM:

Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1005022768

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM:

Screen Depth UOM: ft Screen Diameter UOM: inch Screen Diameter:

Water Details

Water ID: 1005022766

Layer: Kind Code: Kind:

Water Found Depth:

Water Found Depth UOM: ft

Hole Diameter

 Hole ID:
 1005022764

 Diameter:
 6.0

 Depth From:
 52.0

 Depth To:
 161.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

Hole Diameter

 Hole ID:
 1005022765

 Diameter:
 5.75

 Depth From:
 161.0

 Depth To:
 201.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

Hole Diameter

 Hole ID:
 1005022763

 Diameter:
 10.0

 Depth From:
 0.0

 Depth To:
 52.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

Links

Bore Hole ID: 1004668394 **Tag No:**

Depth M: 61.2648 **Contractor:** 1507

 Year Completed:
 2013
 Path:
 721\7213222.pdf

 Well Completed Dt:
 2013/10/24
 Latitude:
 44.2447663900876

 Audit No:
 Z171820
 Longitude:
 -77.3926280258825

2 1 of 1 WNW/0.0 120.8 / 1.29 501 HARMONY RD lot 10 con 5

WWIS

Order No: 23021600530

2 1 of 1 WNW/0.0 120.8 / 1.29 501 HARMONY RD lot 10 con 5 BELLEVILLE ON

Well ID: 7213221 Flowing (Y/N):
Construction Date: Flow Rate:

Use 1st:DomesticData Entry Status:Use 2nd:Not UsedData Src:

Final Well Status: Abandoned-Supply Date Received: 17-Dec-2013 00:00:00
Water Type: Selected Flag: TRUE

 Water Type:
 Selected Flag:
 TRUE

 Casing Material:
 Abandonment Rec:
 Yes

 Audit No:
 Z171821
 Contractor:
 1507

 Tag:
 Form Version:
 7

Constructn Method: Owner:

 Elevation (m):
 County:
 HASTINGS

 Elevatn Reliabilty:
 Lot:
 010

 Depth to Bedrock:
 Concession:
 05

 Well Depth:
 Concession Name:
 CON

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83:

Static Water Level: Zone:
Clear/Cloudy: UTM Reliability:

Clear/Cloudy: UT:
Municipality: THURLOW TOWNSHIP

Municipality: THURLOW TOWNSHIP Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/721\7213221.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 2013/10/24

 Year Completed:
 2013

 Depth (m):
 19.812

 Latitude:
 44.245203223931

 Longitude:
 -77.3928336061005

 Path:
 721\7213221.pdf

Bore Hole Information

 Bore Hole ID:
 1004668391
 Elevation:

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 308947.00

 Code OB Desc:
 North83:
 4901892.00

 Open Hole:
 Org CS:
 UTM83

 Cluster Kind:
 UTMRC:
 4

Date Completed: 24-Oct-2013 00:00:00 UTMRC Desc: margin of error : 30 m - 100 m

Remarks: Location Method: wwr

Loc Method Desc: on Water Well Record Elevrc Desc:

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

Source Revision Comment: Supplier Comment:

Overburden and Bedrock
Materials Interval

Formation ID: 1005022513

Layer: 3 **Color:** 2

General Color: GREY **Mat1:** 15

Most Common Material: LIMESTONE

Mat2: 73 Mat2 Desc: HARD

Mat3: Mat3 Desc:

Formation Top Depth: 54.0 Formation End Depth: 65.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1005022512

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 79

 Mat2 Desc:
 PACKED

Mat3: Mat3 Desc:

Formation Top Depth: 22.0
Formation End Depth: 54.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1005022511

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 79

 Mat2 Desc:
 PACKED

Mat3: Mat3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 22.0
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1005022522

 Layer:
 1

 Plug From:
 65.0

 Plug To:
 1.0

 Plug Depth UOM:
 ft

Method of Construction & Well

Use

Method Construction ID: 1005022521

Method Construction Code: 2

Method Construction: Rotary (Convent.)
Other Method Construction: AIR PERCUSSION

Pipe Information

Pipe ID: 1005022510

Casing No: Comment:

Alt Name:

Construction Record - Casing

Casing ID: 1005022517

Layer: Material:

Open Hole or Material:

Depth From: Depth To:

Casing Diameter:

Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1005022518

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM:

Screen Depth UOM: ft Screen Diameter UOM: inch

Screen Diameter:

Water Details

Water ID: 1005022516

ft

Layer: Kind Code: Kind:

Water Found Depth:

Water Found Depth UOM:

Hole Diameter

Hole ID: 1005022515

 Diameter:
 6.0

 Depth From:
 52.0

 Depth To:
 65.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

Hole Diameter

Hole ID: 1005022514

 Diameter:
 10.0

 Depth From:
 0.0

 Depth To:
 52.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

<u>Links</u>

Bore Hole ID: 1004668391 **Tag No:**

Depth M: 19.812 **Contractor:** 1507

 Year Completed:
 2013
 Path:
 721\7213221.pdf

 Well Completed Dt:
 2013/10/24
 Latitude:
 44.245203223931

 Audit No:
 2171821
 Longitude:
 -77.3928336061005

3 1 of 1 S/0.0 116.6 / -2.90 501 HARMONY RD lot 10 con 5 WWIS

17-Dec-2013 00:00:00

Order No: 23021600530

TRUE

 Well ID:
 7213210
 Flowing (Y/N):

Construction Date: Flow Rate: Use 1st: Domestic Data Entry Status:

Use 2nd:

Final Well Status: Water Supply

Data Src:

Data Src:

Date Received:

Water Type: Selected Flag:
Casing Material: Abandonment Rec:

 Audit No:
 Z171823
 Contractor:
 1507

 Tag:
 A148349
 Form Version:
 7

Tag:A148349Form Version:7Constructn Method:Owner:

 Elevation (m):
 County:
 HASTINGS

 Elevatn Reliabilty:
 Lot:
 010

 Depth to Bedrock:
 Concession:
 05

 Well Depth:
 Concession Name:
 CON

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

Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/721\7213210.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 2013/10/01

 Year Completed:
 2013

 Depth (m):
 24.6888

 Latitude:
 44.244303881066

 Longitude:
 -77.3923587873855

 Path:
 721\7213210.pdf

Bore Hole Information

 Bore Hole ID:
 1004668358
 Elevation:

 DP2BR:
 Elevrc:

| DP2BR: | D

Date Completed: 01-Oct-2013 00:00:00 UTMRC Desc: margin of error : 30 m - 100 m

Remarks: Location Method: wwr

Loc Method Desc: on Water Well Record

Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:

Source Revision Comment: Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 1005021773

Layer: 2 2 Color: General Color: **GREY** Mat1: 05 CLAY Most Common Material: Mat2: 34 Mat2 Desc: TILL Mat3: 79 **PACKED** Mat3 Desc: Formation Top Depth: 18.0 Formation End Depth: 44.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1005021774

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: 79
Mat2 Desc: PACKED

Mat3: Mat3 Desc:

Formation Top Depth: 44.0 Formation End Depth: 81.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1005021772

Layer: Color: 6 General Color: **BROWN** Mat1: 05 Most Common Material: CLAY Mat2: 34 Mat2 Desc: TILL Mat3: 79 Mat3 Desc: PACKED Formation Top Depth: 0.0 Formation End Depth: 18.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1005021808

 Layer:
 1

 Plug From:
 44.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1005021807

Method Construction Code: 2

Method Construction: Rotary (Convent.)
Other Method Construction: AIR PERCUSSION

Pipe Information

Pipe ID: 1005021770

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1005021778

Layer: 1 Material: 1

Open Hole or Material:STEELDepth From:0.0Depth To:44.0Casing Diameter:6.25Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Screen

Screen ID: 1005021779

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM:

Screen Depth UOM: ft Screen Diameter UOM: inch

Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:

Pump Test ID: 1005021771

Pump Set At: 78.0

Static Level: 17.200000762939453

Final Level After Pumping: 43.0 Recommended Pump Depth: 78.0 Pumping Rate: 3.0

Flowing Rate:

Recommended Pump Rate: 3.0
Levels UOM: ft
Rate UOM: GPM

Water State After Test Code:

Water State After Test:

Pumping Test Method:

Pumping Duration HR:

Pumping Duration MIN:

0

Flowing:

Draw Down & Recovery

Pump Test Detail ID:1005021790Test Type:Draw Down

Test Duration: 10

Test Level: 26.600000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1005021796Test Type:Draw Down

Test Duration: 25

Test Level: 32.79999923706055

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1005021781

 Test Type:
 Recovery

 Test Duration:
 1

 Test Level:
 41.5

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1005021784

 Test Type:
 Draw Down

 Test Duration:
 3

 Test Level:
 22.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 1005021785 Test Type: Recovery

Test Duration:

Test Level: 40.099998474121094

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1005021788Test Type:Draw Down

Test Duration: 5

Test Level: 23.399999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005021795
Test Type: Recovery

Test Duration: 20

Test Level: 33.29999923706055

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1005021793

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 34.5

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 1005021803

Recovery Test Type: Test Duration: 50 28.5 Test Level: Test Level UOM: ft

Draw Down & Recovery

1005021787 Pump Test Detail ID: Test Type: Recovery Test Duration: 4 39.5 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005021780 Draw Down Test Type:

Test Duration:

Test Level: 20.100000381469727

Test Level UOM:

Draw Down & Recovery

1005021783 Pump Test Detail ID: Test Type: Recovery 2

Test Duration:

Test Level: 40.79999923706055

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005021786 Test Type: Draw Down

Test Duration:

Test Level: 22.700000762939453

Test Level UOM: ft

Draw Down & Recovery

1005021789 Pump Test Detail ID: Test Type: Recovery

Test Duration: 5

Test Level: 38.79999923706055

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005021791 Recovery Test Type:

Test Duration: 10

Test Level: 36.29999923706055

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005021794 Test Type: Draw Down

Test Duration: 20

Test Level: 31.100000381469727

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1005021805 Test Type: Recovery

Test Duration: 60

Test Level: 26.399999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005021782 Test Type: Draw Down

Test Duration: 2 Test Level: 21.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005021797 Test Type: Recovery Test Duration: 25 Test Level: 32.0 Test Level UOM: ft

Draw Down & Recovery

1005021798 Pump Test Detail ID: Test Type: Draw Down Test Duration: 30 34.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005021801 Recovery Test Type: Test Duration:

Test Level: 29.799999237060547

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1005021802 Draw Down Test Type:

Test Duration: 50

40.900001525878906 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005021804 Test Type: Draw Down Test Duration: 60 Test Level: 43.0 Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1005021792 Test Type: Draw Down

Test Duration: 15

29.299999237060547 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005021799 Test Type: Recovery 30

Test Duration:

Test Level: 31.100000381469727

Test Level UOM: ft

Draw Down & Recovery

1005021800 Pump Test Detail ID: Test Type: Draw Down Test Duration: 40 Test Level: 38.0 Test Level UOM: ft

Water Details

Water ID: 1005021777

Layer: Kind Code: 8 Kind: Untested Water Found Depth: 45.0 Water Found Depth UOM:

Hole Diameter

Hole ID: 1005021776

Diameter: 6.0 Depth From: 44.0 Depth To: 81.0 Hole Depth UOM: Hole Diameter UOM: inch

Hole Diameter

Hole ID: 1005021775 Diameter: 10.0 Depth From: 0.0 Depth To: 44.0 Hole Depth UOM: ft Hole Diameter UOM: inch

Links

Bore Hole ID: 1004668358 Tag No: A148349 Depth M: 24.6888 Contractor: 1507

Year Completed: Path: 721\7213210.pdf 2013 Well Completed Dt: 2013/10/01 Latitude: 44.244303881066 Audit No: Z171823 Longitude: -77.3923587873855

1 of 1 SSW/0.0 116.8 / -2.69 561 HARMONY RD lot 10 con 5 **WWIS** BELLEVILLE ON

4

Flowing (Y/N):

Date Received:

Selected Flag:

Form Version:

Concession:

Concession Name:

Easting NAD83:

UTM Reliability:

Northing NAD83:

Contractor:

Owner:

County:

Lot:

Zone:

Data Entry Status:

Abandonment Rec:

17-Dec-2013 00:00:00

TRUE

1507

010

CON

05

HASTINGS

Flow Rate:

Data Src:

Well ID: 7213211
Construction Date:

Use 1st: Domestic

Use 2nd:

Final Well Status:

Water Type:

Casing Material:

Audit No: Z171822 **Tag:** A148348

Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth:

Constructn Method:

Overburden/Bedrock: Pump Rate: Static Water Level:

Clear/Cloudy: Municipality:

Municipality: THURLOW TOWNSHIP Site Info:

Water Supply

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/721\7213211.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 2013/09/29

 Year Completed:
 2013

 Depth (m):
 24.6888

 Latitude:
 44.2441258909074

 Longitude:
 -77.3926897182814

 Path:
 721\7213211.pdf

Bore Hole Information

Bore Hole ID: 1004668361

DP2BR: Spatial Status:

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

Date Completed: 29-Sep-2013 00:00:00

Remarks:

Loc Method Desc: on Water Well Record

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 1005021814

 Layer:
 1

 Color:
 6

 General Color:
 B

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 34

 Mat2 Desc:
 TILL

 Mat3:
 79

Elevation: Elevrc:

Zone: 18

 East83:
 308955.00

 North83:
 4901772.00

 Org CS:
 UTM83

UTMRC: 4

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

Order No: 23021600530

Location Method: www

Mat3 Desc:PACKEDFormation Top Depth:0.0Formation End Depth:17.0Formation End Depth UOM:ft

Overburden and Bedrock Materials Interval

Formation ID: 1005021816

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: 73 Mat2 Desc: HARD

Mat3:

Mat3 Desc:

Formation Top Depth: 43.5 Formation End Depth: 81.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1005021815

Layer: 2 Color: General Color: **GREY** Mat1: 05 CLAY Most Common Material: Mat2: 34 Mat2 Desc: TILL Mat3: 79 Mat3 Desc: **PACKED** Formation Top Depth: 17.0 Formation End Depth: 43.5 Formation End Depth UOM:

Annular Space/Abandonment

Sealing Record

Plug ID: 1005021850

 Layer:
 1

 Plug From:
 43.5

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1005021849

Method Construction Code:

Method Construction:Rotary (Convent.)Other Method Construction:CABLE TOOL

Pipe Information

Pipe ID: 1005021812

Casing No: 0

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1005021820

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 0.0

 Depth To:
 43.5

 Casing Diameter:
 6.25

 Casing Diameter UOM:
 inch

 Casing Depth UOM:
 ft

Construction Record - Screen

Screen ID: 1005021821

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM: Screen Diameter UOM:

ft inch

Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:

 Pump Test ID:
 1005021813

 Pump Set At:
 77.0

Static Level: 18.600000381469727

Final Level After Pumping: 41.0
Recommended Pump Depth: 77.0
Pumping Rate: 3.0

Flowing Rate:

Recommended Pump Rate: 3.0

Levels UOM: ft

Rate UOM: GPM

Water State After Test Code: 1

Water State After Test: CLEAR

Pumping Test Method: 0

Pumping Duration HR: 1

Pumping Duration MIN:

Flowing:

Draw Down & Recovery

Pump Test Detail ID:1005021825Test Type:Recovery

Test Duration: 2

Test Level: 38.70000076293945

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1005021830Test Type:Draw Down

Test Duration: 5

Test Level: 24.799999237060547

Test Level UOM: ft

Draw Down & Recovery

1005021840 Pump Test Detail ID: Draw Down Test Type:

Test Duration: 30

35.400001525878906 Test Level:

Test Level UOM:

Draw Down & Recovery

1005021845 Pump Test Detail ID: Recovery Test Type:

Test Duration: 50

Test Level: 27.299999237060547

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1005021846 Test Type: Draw Down Test Duration: 60 41.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005021842 Test Type: Draw Down

Test Duration: 40

Test Level: 37.599998474121094

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005021828 Test Type: Draw Down

Test Duration: 4

Test Level: 24.399999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005021835 Test Type: Recovery Test Duration: 15

Test Level:

32.20000076293945

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005021838 Test Type: Draw Down

Test Duration: 25

33.099998474121094 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005021841 Recovery Test Type:

Test Duration: 30

Test Level: 28.200000762939453

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1005021843Test Type:RecoveryTest Duration:40

Test Level: 28.200000762939453

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005021844
Test Type: Draw Down

Test Duration: 50

Test Level: 39.599998474121094

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1005021826Test Type:Draw Down

Test Duration: 3

Test Level: 23.799999237060547

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005021829
Test Type: Recovery

Test Duration: 4

Test Level: 37.20000076293945

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1005021831Test Type:Recovery

Test Duration: 5

Test Level: 36.599998474121094

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1005021833Test Type:Recovery

Test Duration: 10

Test Level: 35.900001525878906

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1005021839
Test Type: Recovery

Test Duration: 25

Test Level: 29.799999237060547

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1005021823Test Type:Recovery

Test Duration: 1

Test Level: 39.59998474121094

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1005021824Test Type:Draw Down

Test Duration: 2

Test Level: 23.799999237060547

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1005021827
Test Type: Recovery

Test Duration:

Test Level: 37.900001525878906

Test Level UOM:

Draw Down & Recovery

 Pump Test Detail ID:
 1005021832

 Test Type:
 Draw Down

 Test Duration:
 10

 Test Level:
 27.5

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 1005021847
Test Type: Recovery

Test Duration: 60

Test Level: 26.399999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1005021822Test Type:Draw Down

 Test Duration:
 1

 Test Level:
 23.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 1005021834
Test Type: Draw Down

Test Duration: 15

Test Level: 29.700000762939453

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005021836

Draw Down Test Type:

Test Duration: 20

31.600000381469727 Test Level:

Test Level UOM: ft

Draw Down & Recovery

1005021837 Pump Test Detail ID: Test Type: Recovery

Test Duration:

30.600000381469727 Test Level:

Test Level UOM: ft

Water Details

Water ID: 1005021819

Layer: 1 Kind Code: 8 Untested Kind: Water Found Depth: 44.0 ft Water Found Depth UOM:

Hole Diameter

Hole ID: 1005021817 10.0 Diameter: Depth From: 0.0 Depth To: 43.5 Hole Depth UOM: ft Hole Diameter UOM: inch

Hole Diameter

Hole ID: 1005021818

Diameter: 6.0 Depth From: 43.5 Depth To: 81.0 Hole Depth UOM: Hole Diameter UOM: inch

<u>Links</u>

Bore Hole ID: 1004668361 Tag No: A148348 24.6888 Contractor: Depth M: 1507

Year Completed: 2013 Path: 721\7213211.pdf 2013/09/29 Well Completed Dt: Latitude: 44.2441258909074 -77.3926897182814 Audit No: Z171822 Longitude:

112.4 / -7.13 5 1 of 1 ESE/0.0 lot 12 con 5 **WWIS** ON

Well ID: 2904006 Flowing (Y/N):

Construction Date:

Use 1st: Domestic

Use 2nd:

Final Well Status: Water Supply

Water Type: Casing Material: Audit No:

Tag: Constructn Method: Flow Rate: Data Entry Status: Data Src:

Date Received: 20-Nov-1968 00:00:00

Selected Flag: TRUE

Abandonment Rec:

Contractor: 2203 Form Version: 1

Owner:

Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

 Elevation (m):
 County:
 HASTINGS

 Elevatn Reliabilty:
 Lot:
 012

 Depth to Bedrock:
 Concession:
 05

 Well Depth:
 Concession Name:
 CON

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

Clear/Cloudy: UTM Reliability:
Municipality: THURLOW TOWNSHIP

Municipality: THURLOW TOWNSHIP Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2904006.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1968/06/28

 Year Completed:
 1968

 Depth (m):
 8.5344

 Latitude:
 44.2444284929994

 Longitude:
 -77.3911377327108

 Path:
 290\2904006.pdf

Bore Hole Information

Bore Hole ID: 10159657 Elevation:

DP2BR: Elevrc: Spatial Status: Zone:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 309079.90

 Code OB Desc:
 North83:
 4901802.00

Open Hole: Org CS: Cluster Kind: UTMRC:

 Date Completed:
 28-Jun-1968 00:00:00
 UTMRC Desc:
 margin of error : 30 m - 100 m

Remarks: Location Method: p4

Loc Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931465538

Layer: 4

Color:

General Color:

Mat1: 11

Most Common Material: GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 24.0 Formation End Depth: 28.0 Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931465536

Layer: 2

Color:

General Color:

Mat1: 05 Most Common Material: CLAY 09 Mat2:

Mat2 Desc: **MEDIUM SAND**

Mat3:

Mat3 Desc:

Formation Top Depth: 12.0 18.0 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931465537

Layer: 3

Color: General Color:

Mat1: 14

Most Common Material: **HARDPAN** Mat2: 05 CLAY Mat2 Desc:

Mat3:

Mat3 Desc:

18.0 Formation Top Depth: Formation End Depth: 24.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931465535

Layer:

Color:

General Color:

Mat1: 05

CLAY Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 12.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962904006

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10708227

Casing No:

Comment: Alt Name:

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

Construction Record - Casing

930272733 Casing ID:

Layer: Material: STEEL Open Hole or Material:

Depth From:

28.0 Depth To: Casing Diameter: 6.0 Casing Diameter UOM: inch ft Casing Depth UOM:

Results of Well Yield Testing

Pumping Test Method Desc: **PUMP** Pump Test ID: 992904006

Pump Set At:

Static Level: 16.0 Final Level After Pumping: 27.0 Recommended Pump Depth: 26.0 Pumping Rate: 4.0 Flowing Rate:

Recommended Pump Rate: 3.0 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 No Flowing:

Water Details

Water ID: 933617475 Layer: Kind Code: 1

Kind: **FRESH** Water Found Depth: 28.0 Water Found Depth UOM:

Links

Bore Hole ID: 10159657 Tag No: 8.5344 Contractor: 2203 Depth M:

Year Completed: Path: 1968 290\2904006.pdf Well Completed Dt: 1968/06/28 Latitude: 44.2444284929994 Audit No: Longitude: -77.3911377327108

6 1 of 1 SSW/0.0 116.8 / -2.69 501 HARMONY RD. RR#1 lot 10 con 5 **WWIS CORBYVILLE ON**

Flowing (Y/N):

08-Oct-2010 00:00:00

Order No: 23021600530

TRUE

Well ID: 7152520 Construction Date:

Flow Rate: Use 1st: Not Used Data Entry Status:

Use 2nd: Data Src: Final Well Status: Abandoned-Supply Date Received:

Water Type: Selected Flag: Casing Material: Abandonment Rec:

Yes Audit No: Z115171 Contractor: 1805 Form Version: Tag: 7

Constructn Method: Owner:

DB Number of Direction/ Elev/Diff Site Map Key

HASTINGS

Order No: 23021600530

Records Distance (m) (m)

Elevation (m): County: Elevatn Reliabilty: 010 Lot: Depth to Bedrock: Concession: 05 CON Well Depth: Concession Name:

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

UTM Reliability: Clear/Cloudy: Municipality: THURLOW TOWNSHIP

Site Info: BLACK BEAR RIDGE BBR GOLF

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/715\7152520.pdf

Additional Detail(s) (Map)

Well Completed Date: 2010/09/07 Year Completed: 2010 Depth (m): 26.5176

Latitude: 44.2439388261206 Longitude: -77.3925944638109 715\7152520.pdf Path:

Bore Hole Information

Bore Hole ID: 1003347311 Elevation:

DP2BR: Elevrc: Spatial Status: Zone:

18 Code OB: East83: 308962.00 Code OB Desc: North83: 4901751.00 Open Hole: Org CS: UTM83 Cluster Kind: UTMRC: 3

07-Sep-2010 00:00:00 Date Completed: UTMRC Desc: margin of error: 10 - 30 m

Remarks: Location Method:

on Water Well Record Loc Method Desc:

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

1003417832 Formation ID:

Layer: 4 Color: 2 General Color: **GREY** Mat1: 17 SHALE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

40.0 Formation Top Depth: Formation End Depth: 41.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003417833

Layer: 5 Color: **GREY** General Color: Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 41.0 87.0 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 1003417830

Layer: 2 Color: 6 General Color: **BROWN** Mat1: 05 Most Common Material: CLAY Mat2: 12 **STONES** Mat2 Desc: Mat3: 13 **BOULDERS** Mat3 Desc: Formation Top Depth: 1.0

Formation End Depth: 16.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

1003417831 Formation ID:

Layer: 3 Color: 2 **GREY** General Color: Mat1: 05 Most Common Material: CLAY Mat2: 11 GRAVEL Mat2 Desc: Mat3: 13 **BOULDERS** Mat3 Desc: Formation Top Depth: 16.0 Formation End Depth: 40.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003417829

Layer: Color: General Color: **BROWN** Mat1: 02 **TOPSOIL** Most Common Material: Mat2: 12 Mat2 Desc: **STONES**

Mat3:

Mat3 Desc:

0.0 Formation Top Depth: Formation End Depth: 1.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1003417839

 Layer:
 3

 Plug From:
 20.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1003417837

Layer:

Plug From: 87.0
Plug To: 23.0
Plug Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1003417838

 Layer:
 2

 Plug From:
 23.0

 Plug To:
 20.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003417846

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 1003417828

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1003417842

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From: 40.0
Depth To: 20.0
Casing Diameter: 6.625
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1003417841

Layer: 1
Material: 4

Open Hole or Material: OPEN HOLE

Depth From: 87.0
Depth To: 40.0
Casing Diameter: 6.125
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1003417843

Layer: 3 Material: 4

Open Hole or Material: OPEN HOLE

Depth From: 20.0
Depth To: 0.0
Casing Diameter: 8.625
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1003417844

Layer: Slot:

Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM:
Screen Diameter UOM:
inch

Screen Diameter:

Water Details

Water ID: 1003417840

Layer: Kind Code: Kind:

Hole Diameter

 Hole ID:
 1003417834

 Diameter:
 6.125

 Depth From:
 87.0

 Depth To:
 40.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

Hole Diameter

 Hole ID:
 1003417835

 Diameter:
 6.625

 Depth From:
 40.0

 Depth To:
 20.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

Hole Diameter

Hole ID: 1003417836

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

8.625 Diameter: Depth From: 20.0 Depth To: 0.0 Hole Depth UOM: ft Hole Diameter UOM: inch

Links

Bore Hole ID: 1003347311 Depth M: 26.5176

Year Completed: 2010 Well Completed Dt: 2010/09/07 Audit No: Z115171

Tag No:

Contractor: 1805

Path: 715\7152520.pdf 44.2439388261206 Latitude: -77.3925944638109 Longitude:

04-Nov-2010 00:00:00

TRUE

Yes

010

CON

05

7

1805

HASTINGS

WWIS

Order No: 23021600530

7 1 of 1 WNW/0.0 118.9 / -0.63 501 HARMONY RD. RR#1 lot 10 con 5

CORBYVILLE ON

Selected Flag:

Form Version:

Concession:

Contractor:

Owner:

County:

Lot:

Zone:

Abandonment Rec:

Concession Name:

Easting NAD83:

UTM Reliability:

Northing NAD83:

Well ID: 7154173 Flowing (Y/N):

Construction Date: Flow Rate: Not Used Use 1st: Data Entry Status:

Use 2nd: Data Src: Abandoned-Supply Date Received:

Final Well Status: Water Type:

Casing Material: Audit No: Z115188

Tag:

Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate:

Static Water Level: Clear/Cloudy:

PDF URL (Map):

Municipality: BLACK BEAR RIDGE GOLF Site Info:

THURLOW TOWNSHIP

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/715\7154173.pdf

Additional Detail(s) (Map)

Well Completed Date: 2010/10/18 Year Completed: 2010 Depth (m): 16.1544

Latitude: 44.2453652915877 Longitude: -77.3936918308538 715\7154173.pdf Path:

Bore Hole Information

1003363134 Bore Hole ID: Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18

Code OB: East83: 308879.00 Code OB Desc: North83: 4901912.00 UTM83 Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 18-Oct-2010 00:00:00 UTMRC Desc: margin of error: 10 - 30 m

Remarks: Location Method:

Loc Method Desc: on Water Well Record

Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock Materials Interval

Formation ID: 1003485133

Layer: Color: 2 **GREY** General Color: Mat1: 05 Most Common Material: CLAY Mat2: 12 Mat2 Desc: **STONES** Mat3: 73 Mat3 Desc: HARD Formation Top Depth: 30.0 Formation End Depth: 38.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003485134

 Layer:
 5

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 38.0 Formation End Depth: 53.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003485131

 Layer:
 2

 Color:
 6

General Color: BROWN

Mat1: 11

Most Common Material: GRAVEL

Mat2: 13

Mat2 Desc: BOULDERS

 Mat3:
 05

 Mat3 Desc:
 CLAY

 Formation Top Depth:
 18.0

 Formation End Depth:
 26.0

 Formation End Depth UOM:
 ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003485132

Layer: 3

 Color:
 6

 General Color:
 BROWN

 Mat1:
 28

Most Common Material: SAND
Mat2: 11
Mat2 Desc: GRAVEL

Mat3:

Mat3 Desc:

Formation Top Depth: 26.0 Formation End Depth: 30.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003485130

Layer: 1 **Color:** 6

General Color: **BROWN** Mat1: 05 CLAY Most Common Material: Mat2: 11 GRAVEL Mat2 Desc: Mat3: 12 Mat3 Desc: **STONES** Formation Top Depth: 0.0 Formation End Depth: 18.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1003485137

 Layer:
 1

 Plug From:
 20.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003485143

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 1003485128

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1003485140

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

 Depth From:
 38.0

 Depth To:
 53.0

 Casing Diameter:
 6.125

Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1003485139

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 -2.0

 Depth To:
 38.0

Casing Diameter: 6.239999771118164

Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1003485141

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM:

Screen Depth UOM: ft Screen Diameter UOM: inch

Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:

Pump Test ID: 1003485129

Pump Set At: Static Level:

Final Level After Pumping: Recommended Pump Depth:

Pumping Rate: Flowing Rate:

Recommended Pump Rate:

Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 0
Water State After Test:

Pumping Test Method: Pumping Duration HR: Pumping Duration MIN:

Flowing:

Water Details

Water ID: 1003485138

0

Layer: Kind Code: Kind:

Water Found Depth:

Water Found Depth UOM: ft

Hole Diameter

 Hole ID:
 1003485136

 Diameter:
 6.125

 Depth From:
 38.0

 Depth To:
 53.0

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

Hole Depth UOM: ft Hole Diameter UOM: inch

Hole Diameter

Hole ID: 1003485135 6.25 Diameter: 2.0 Depth From: Depth To: 38.0 Hole Depth UOM: ft Hole Diameter UOM: inch

Links

Bore Hole ID: 1003363134 Depth M: 16.1544

Year Completed: 2010 2010/10/18 Well Completed Dt: Audit No: Z115188

Tag No:

Contractor: 1805

Path: 715\7154173.pdf Latitude: 44.2453652915877 Longitude: -77.3936918308538

1 of 1 501 HARMONY RD lot 10 con 5 8 **WWIS**

7167155 Well ID:

Construction Date:

Use 1st: Domestic Use 2nd:

Water Supply

Final Well Status:

Water Type: Casing Material:

Audit No: Z115176 A100888

Tag: Constructn Method: Elevation (m):

Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock:

Pump Rate: Static Water Level:

Clear/Cloudy: Municipality:

Site Info:

113.9 / -5.62 ENE/0.0

CORBYVILLE ON

Flowing (Y/N): Flow Rate:

Data Entry Status: Data Src:

Date Received: 12-Aug-2011 00:00:00

Selected Flag: TRUE

Abandonment Rec:

Contractor: 1805 Form Version: 7

Owner:

HASTINGS County: 010 Lot: Concession: 05 Concession Name: CON

Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/716\7167155.pdf

THURLOW TOWNSHIP

Additional Detail(s) (Map)

Well Completed Date: 2011/07/14 Year Completed: 2011 Depth (m): 15.5448

44.245263945945 Latitude: Longitude: -77.3907946143794 Path: 716\7167155.pdf

Bore Hole Information

Bore Hole ID: 1003548887 DP2BR:

Spatial Status: Code OB:

Elevation: Elevrc:

18 Zone:

309110.00 East83:

Location Method:

wwr

Order No: 23021600530

 Code OB Desc:
 North83:
 4901894.00

 Open Hole:
 Org CS:
 UTM83

 Cluster Kind:
 UTMRC:
 3

 Cluster Kind:
 UTMRC:
 3

 Date Completed:
 14-Jul-2011 00:00:00
 UTMRC Desc:
 margin of error: 10 - 30 m

Remarks:

Loc Method Desc: on Water Well Record

Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

Formation ID: 1003926791

 Layer:
 5

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 31.0
Formation End Depth: 51.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003926787

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 02

 Most Common Material:
 TOPSOIL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 1.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003926790

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 11

 Mat2 Desc:
 GRAVEL

Mat3:

Mat3 Desc:

Formation Top Depth: 16.0 Formation End Depth: 31.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003926788

Layer: 2
Color: 6

General Color: BROWN

Mat1: 05

Most Common Material: CLAY

Mat2: 12

Mat2 Desc: STONES

Mat3: 13

Mat3 Desc: BOULDERS

Formation Top Depth: 1.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1003926789

Layer: 3 **Color:** 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 11

 Mat2 Desc:
 GRAVEL

Mat2 Desc:GRAVMat3:73Mat3 Desc:HARDFormation Top Depth:10.0Formation End Depth:16.0Formation End Depth UOM:ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1003926825

 Layer:
 1

 Plug From:
 22.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003926824

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 1003926785

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1003926794

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 -2.0

 Depth To:
 31.0

 Casing Diameter:
 6.25

 Casing Diameter UOM:
 inch

 Casing Depth UOM:
 ft

Construction Record - Casing

Casing ID: 1003926795

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From: 31.0
Depth To: 51.0
Casing Diameter: 6.125
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1003926796

Layer: Slot:

Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM:

Screen Depth UOM: ft Screen Diameter UOM: inch

Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:

 Pump Test ID:
 1003926786

 Pump Set At:
 48.0

 Static Level:
 20.31999969482422

 Final Level After Pumping:
 38.900001525878906

Recommended Pump Depth: 48.0 Pumping Rate: 2.5

Flowing Rate:

Recommended Pump Rate: 2.5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1

Water State After Test Code:

Water State After Test:

Pumping Test Method:

Pumping Duration HR:

1

CLEAR

0

1

Pumping Duration MIN:

Flowing:

Draw Down & Recovery

Pump Test Detail ID:1003926799Test Type:Draw Down

Test Duration: 2

Test Level: 24.030000686645508

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926809
Test Type: Draw Down

Test Duration: 15

Test Level: 33.95000076293945

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1003926812Test Type:RecoveryTest Duration:20

Test Level: 25.8700008392334

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926822Test Type:RecoveryTest Duration:60

Test Level: 21.219999313354492

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926819Test Type:Draw Down

Test Duration: 50

Test Level: 38.279998779296875

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926820Test Type:RecoveryTest Duration:50

Test Level: 21.829999923706055

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926803Test Type:Draw Down

Test Duration: 4

Test Level: 26.670000076293945

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926806Test Type:Recovery

Test Duration: 5

Test Level: 32.93000030517578

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926815Test Type:Draw Down

Test Duration: 30

Test Level: 37.45000076293945

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926817Test Type:Draw Down

Test Duration: 40

Test Level: 37.689998626708984

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926798
Test Type: Recovery

Test Duration:

Test Level: 36.630001068115234

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926800Test Type:Recovery

Test Duration: 2

Test Level: 35.189998626708984

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926801Test Type:Draw Down

Test Duration: 3

Test Level: 25.43000030517578

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926808Test Type:Recovery

Test Duration: 10

Test Level: 29.610000610351562

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926804
Test Type: Recovery

Test Duration: 4

Test Level: 33.849998474121094

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926805Test Type:Draw Down

Test Duration: 5

Test Level: 27.799999237060547

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926810 Test Type: Recovery

Test Duration:

27.450000762939453 Test Level:

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1003926797 Test Type: Draw Down

Test Duration:

Test Level: 22.469999313354492

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1003926807 Test Type: Draw Down

Test Duration: 10

31.190000534057617 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926811 Test Type: Draw Down

Test Duration: 20

Test Level: 34.959999084472656

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926813 Test Type: Draw Down

Test Duration: 25

Test Level: 36.790000915527344

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926814 Test Type: Recovery

Test Duration: 25

Test Level: 24.729999542236328

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926816 Test Type: Recovery Test Duration: 30

23.8700008392334 Test Level:

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1003926818

Test Type: Recovery

Test Duration: 40

Test Level: 22.649999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926802Test Type:Recovery

Test Duration:

Test Level: 34.560001373291016

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926821Test Type:Draw Down

Test Duration: 60

Test Level: 38.900001525878906

Test Level UOM:

Water Details

Water ID: 1003926793

 Layer:
 1

 Kind Code:
 8

 Kind:
 Untested

 Water Found Depth:
 33.0

Water Found Depth UOM: ft

Hole Diameter

 Hole ID:
 1003926923

 Diameter:
 6.125

 Depth From:
 31.0

 Depth To:
 51.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

Hole Diameter

 Hole ID:
 1003926792

 Diameter:
 6.25

 Depth From:
 0.0

 Depth To:
 31.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

<u>Links</u>

 Bore Hole ID:
 1003548887
 Tag No:
 A100888

 Depth M:
 15.5448
 Contractor:
 1805

 Year Completed:
 2011
 Path:
 716\71651.55.pdf

 Well Completed Dt:
 2011/07/14
 Latitude:
 44.245263945945

 Audit No:
 Z115176
 Longitude:
 -77.3907946143794

9 1 of 1 SW/0.0 118.2 / -1.34 501 HARMONY RD lot 10 con 5 BELLEVILLE ON

WWIS

Order No: 23021600530

Well ID: 7213208 Flowing (Y/N):

Construction Date:

Use 1st: Domestic

Use 2nd:

Final Well Status: Water Supply

Water Type:

Casing Material:

Audit No: Z171825 **Tag:** A148351

Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate:

Static Water Level: Clear/Cloudy:

Municipality: Site Info:

THURLOW TOWNSHIP

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/721\7213208.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 2013/10/04

 Year Completed:
 2013

 Depth (m):
 18.5928

 Latitude:
 44.2439624805546

 Longitude:
 -77.3931840503792

 Path:
 721\7213208.pdf

Bore Hole Information

Bore Hole ID: 1004668352

DP2BR: Spatial Status: Code OB:

Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 04-Oct-2013 00:00:00

Remarks:

Loc Method Desc: on Water Well Record

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 1005020623

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 34

 Mat2 Desc:
 TILL

 Mat3:
 13

Mat3 Desc: BOULDERS

Flow Rate:

Data Entry Status:

Data Src:

Date Received: 17-Dec-2013 00:00:00

18 308915.00

4901755.00

margin of error: 30 m - 100 m

Order No: 23021600530

UTM83

Selected Flag: TRUE

Abandonment Rec:

Contractor: 1507 Form Version: 7

Owner:
County: HASTINGS

 Lot:
 010

 Concession:
 05

 Concession Name:
 CON

Easting NAD83: Northing NAD83:

Zone:

Elevation:

Elevrc:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

Zone:

UTM Reliability:

<u>erisinfo.com</u> | Environmental Risk Information Services

76

Formation Top Depth: 0.0 Formation End Depth: 20.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1005020624

Layer: 2 Color: General Color: **GREY** 05 Mat1: Most Common Material: CLAY Mat2: 34 Mat2 Desc: TILL Mat3: 79 Mat3 Desc: **PACKED** Formation Top Depth: 20.0 Formation End Depth: 48.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 1005020625

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: 73 Mat2 Desc: HARD

Mat3: Mat3 Desc:

Formation Top Depth: 48.0 Formation End Depth: 61.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1005020660

 Layer:
 2

 Plug From:
 38.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1005020659

 Layer:
 1

 Plug From:
 48.0

 Plug To:
 38.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1005020658

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction: AIR PERCUSSION

Pipe Information

Pipe ID: 1005020621

Casing No: Comment:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1005020629

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 0.0

 Depth To:
 48.0

 Casing Diameter:
 6.25

 Casing Diameter UOM:
 inch

Construction Record - Screen

Screen ID: 1005020630

Layer:

Slot:

Screen Top Depth: 48.0 Screen End Depth: 46.0

Screen Material:

Casing Depth UOM:

Screen Depth UOM:ftScreen Diameter UOM:inchScreen Diameter:6.25

Results of Well Yield Testing

Pumping Test Method Desc:

 Pump Test ID:
 1005020622

 Pump Set At:
 58.0

Static Level: 26.5

Final Level After Pumping: 46.599998474121094

Recommended Pump Depth: 58.0 **Pumping Rate:** 3.0

Flowing Rate:

Recommended Pump Rate: 3.0 Levels UOM: ft

Rate UOM:

Water State After Test Code:

Water State After Test:

CLEAR

Pumping Test Method:

Pumping Duration HR:

GPM

1

Pumping Duration MIN:

Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1005020634
Test Type: Recovery

Test Duration: 2

Test Level: 43.599998474121094

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1005020635Test Type:Draw Down

Test Duration: 3

Test Level: 30.799999237060547

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1005020637Test Type:Draw Down

Test Duration: 4

Test Level: 31.399999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1005020640Test Type:Recovery

Test Duration: 5

Test Level: 42.29999923706055

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1005020642Test Type:RecoveryTest Duration:10

Test Level: 38.599998474121094

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1005020643Test Type:Draw Down

 Test Duration:
 15

 Test Level:
 39.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:1005020631Test Type:Draw Down

Test Duration:

Test Level: 29.399999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005020632 Test Type: Recovery

Test Duration: 1

Test Level: 45.70000076293945

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005020652
Test Type: Recovery

Test Duration: 40

Test Level: 32.400001525878906

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005020638
Test Type: Recovery

Test Duration: 4

Test Level: 42.900001525878906

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1005020641

 Test Type:
 Draw Down

 Test Duration:
 10

 Test Level:
 36.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1005020646

 Test Type:
 Recovery

 Test Duration:
 20

 Test Level:
 36.5

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:1005020647Test Type:Draw Down

Test Duration: 25

Test Level: 42.29999923706055

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1005020649

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 43.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:1005020651Test Type:Draw Down

Test Duration: 40

Test Level: 44.29999923706055

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1005020636Test Type:Recovery

Test Duration: 3

Test Level: 43.599998474121094

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005020639 Test Type: Draw Down

Test Duration:

31.899999618530273 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005020656 Test Type: Recovery

Test Duration: 60

Test Level: 30.299999237060547

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1005020645 Test Type: Draw Down

Test Duration: 20

40.79999923706055 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005020650 Test Type: Recovery Test Duration: 30

Test Level:

33.900001525878906 ft

Test Level UOM:

Draw Down & Recovery

1005020655 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 60

Test Level: 46.599998474121094

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005020633 Test Type: Draw Down

Test Duration: 2 Test Level: 30.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005020644 Test Type: Recovery Test Duration: 15 37.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005020648

Test Type: Recovery

Test Duration: 25

Test Level: 34.20000076293945

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1005020653Test Type:Draw Down

Test Duration: 50

Test Level: 45.70000076293945

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1005020654

 Test Type:
 Recovery

 Test Duration:
 50

 Test Level:
 31.5

 Test Level UOM:
 ft

Water Details

Water ID: 1005020628

 Layer:
 1

 Kind Code:
 8

 Kind:
 Untested

 Water Found Depth:
 48.0

 Water Found Depth UOM:
 ft

Hole Diameter

 Hole ID:
 1005020626

 Diameter:
 10.0

 Depth From:
 0.0

 Depth To:
 48.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

Hole Diameter

 Hole ID:
 1005020627

 Diameter:
 6.0

 Depth From:
 48.0

 Depth To:
 61.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

<u>Links</u>

 Bore Hole ID:
 1004668352
 Tag No:
 A148351

 Depth M:
 18.5928
 Contractor:
 1507

 Year Completed:
 2013
 Path:
 721\7213208.pdf

 Well Completed Dt:
 2013/10/04
 Latitude:
 44.2439624805546

 Audit No:
 2171825
 Longitude:
 -77.3931840503792

10 1 of 1 ENE/0.0 118.0 / -1.53 501 HARMONY RD lot 10 con 5 CORBYVILLE ON

Well ID: 7167154 **Flowing (Y/N):**

E ON WWIS

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

Construction Date:

Use 1st: **Domestic**

Use 2nd:

Final Well Status: Water Supply

Water Type:

Casing Material:

Audit No: Z115177 A100889 Tag:

Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate: Static Water Level:

Clear/Cloudv:

Municipality:

Site Info:

Flow Rate: Data Entry Status:

Data Src:

12-Aug-2011 00:00:00 Date Received:

Selected Flag: TRUE Abandonment Rec:

Contractor: 1805 Form Version: 7

Owner: County: **HASTINGS** 010 Lot: Concession: 05 CON Concession Name:

Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/716\7167154.pdf PDF URL (Map):

THURLOW TOWNSHIP

Additional Detail(s) (Map)

Well Completed Date: 2011/07/14 Year Completed: 2011 Depth (m): 21.336

44.2457539687156 Latitude: Longitude: -77.3910399117465 Path: 716\7167154.pdf

Bore Hole Information

Bore Hole ID: 1003548837

DP2BR: Spatial Status: Code OB:

Code OB Desc: Open Hole: Cluster Kind:

14-Jul-2011 00:00:00 Date Completed:

Remarks:

Loc Method Desc: on Water Well Record

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Elevation: Elevrc:

Zone: 18

309092.00 East83: North83: 4901949.00 Org CS: UTM83 **UTMRC**:

UTMRC Desc: margin of error: 10 - 30 m

Order No: 23021600530

Location Method:

Overburden and Bedrock

Materials Interval

Formation ID: 1003926683

Layer: 3 Color: 6 General Color:

BROWN Mat1: 05 Most Common Material: CLAY Mat2: 11 Mat2 Desc: **GRAVEL**

Mat3: 13 Mat3 Desc: **BOULDERS**

Formation Top Depth: 14.0 Formation End Depth: 24.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003926684

Layer: 4 Color: General Color: **GREY** 05 Mat1: CLAY Most Common Material: Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 12 Mat3 Desc: **STONES** Formation Top Depth: 24.0 Formation End Depth: 50.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 1003926685

 Layer:
 5

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 50.0 Formation End Depth: 70.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003926681

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 02

 Most Common Material:
 TOPSOIL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 1.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003926682

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 12

 Mat2 Desc:
 STONES

Mat3: Mat3 Desc:

Formation Top Depth: 1.0
Formation End Depth: 14.0
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1003926721

 Layer:
 1

 Plug From:
 24.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003926720

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Alt Name:

Pipe ID: 1003926679

Casing No: 0
Comment:

Construction Record - Casing

Casing ID: 1003926690

Layer: 1
Material: 1

Open Hole or Material: STEEL

 Depth From:
 -2.299999952316284

 Depth To:
 50.0

 Casing Diameter:
 6.25

Casing Diameter:6.25Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 1003926691

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

 Depth From:
 50.0

 Depth To:
 70.0

 Casing Diameter:
 6.125

 Casing Diameter UOM:
 inch

 Casing Depth UOM:
 ft

Construction Record - Screen

Screen ID: 1003926692

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material:

Screen Depth UOM: ft Screen Diameter UOM: inch

Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:

1003926680 Pump Test ID: Pump Set At: 67.0

30.690000534057617 Static Level: Final Level After Pumping: 55.38999938964844

Recommended Pump Depth: 67.0 Pumping Rate: 2.0 Flowing Rate: Recommended Pump Rate: 2.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: 2

Water State After Test: CLOUDY **Pumping Test Method:** 0 **Pumping Duration HR:**

Pumping Duration MIN:

Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1003926698 Test Type: Recovery

Test Duration:

Test Level: 50.86000061035156

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1003926709 Test Type: Draw Down

Test Duration: 25

Test Level: 48.38999938964844

ft Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1003926716 Test Type: Recovery

Test Duration: 50

36.849998474121094 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926703 Test Type: Draw Down

Test Duration: 10

41.529998779296875 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926713
Test Type: Draw Down

Test Duration: 40

Test Level: 52.29999923706055

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926718Test Type:RecoveryTest Duration:60

Test Level: 36.08000183105469

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926693Test Type:Draw Down

Test Duration:

Test Level: 33.11000061035156

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926708Test Type:RecoveryTest Duration:20

Test Level: 41.58000183105469

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926701Test Type:Draw Down

Test Duration: 5

Test Level: 37.630001068115234

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926711Test Type:Draw Down

Test Duration: 30

Test Level: 49.88999938964844

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926712
Test Type: Recovery

Test Duration: 30

Test Level: 39.33000183105469

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926715Test Type:Draw Down

Test Duration: 50

Test Level: 54.04999923706055

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926699Test Type:Draw Down

Test Duration: 4

Test Level: 36.65999984741211

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926702 Test Type: Recovery

Test Duration: 5

Test Level: 49.02000045776367

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926704
Test Type: Recovery

Test Duration: 10

Test Level: 46.59000015258789

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926705Test Type:Draw Down

Test Duration: 15

Test Level: 44.400001525878906

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003926706

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 43.25

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:1003926707Test Type:Draw Down

Test Duration: 20

Test Level: 46.61000061035156

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926710
Test Type: Recovery

Test Duration: 25

Test Level: 40.31999969482422

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926717Test Type:Draw Down

Test Duration: 60

Test Level: 55.38999938964844

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926696Test Type:Recovery

Test Duration:

Test Level: 51.970001220703125

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1003926700
Test Type: Recovery

Test Duration:

Test Level: 49.88999938964844

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926694
Test Type: Recovery

Test Duration:

Test Level: 53.18000030517578

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926695Test Type:Draw Down

Test Duration: 2

Test Level: 24.420000076293945

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926697Test Type:Draw Down

Test Duration: 3

Test Level: 35.59000015258789

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926714Test Type:RecoveryTest Duration:40

rest Duration. 40

Test Level: 37.900001525878906

Test Level UOM: ft

Water Details

Water ID: 1003926689

2 Layer: Kind Code: 8

Untested Kind: Water Found Depth: 64.0 Water Found Depth UOM: ft

Water Details

Water ID: 1003926688

Layer: Kind Code: 8 Untested Kind: Water Found Depth: 61.0 Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1003926686 Diameter: 6.25 Depth From: 0.0 50.0 Depth To: Hole Depth UOM: ft Hole Diameter UOM: inch

Hole Diameter

Hole ID: 1003926687 Diameter: 6.125 50.0 Depth From: 70.0 Depth To: Hole Depth UOM: ft Hole Diameter UOM: inch

<u>Links</u>

1003548837 A100889 Bore Hole ID: Tag No: Depth M: 21.336 Contractor: 1805

Year Completed: 2011 Path: 716\7167154.pdf Well Completed Dt: 44.2457539687156 2011/07/14 Latitude: -77.3910399117465 Audit No: Z115177 Longitude:

501 HARMONY RD. RR#1 lot 10 con 5 1 of 1 E/0.0 111.8 / -7.72 11 **WWIS COBBYVILLE ON**

7154171 Well ID:

Construction Date: Domestic Use 1st:

Use 2nd: Test Hole Final Well Status: Water Supply

Water Type: Casing Material:

Audit No: Z115186 A100881 Tag:

Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth:

Overburden/Bedrock:

Pump Rate: Static Water Level: Data Src: 04-Nov-2010 00:00:00 Date Received: TRUE Selected Flag:

Abandonment Rec:

Flowing (Y/N):

Data Entry Status:

Flow Rate:

1805 Contractor: Form Version: 7 Owner:

HASTINGS County: 010 Lot: Concession: 05 CON Concession Name:

Easting NAD83: Northing NAD83:

Zone:

Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info: BLACK BEAR RIDGE GOLF COARSE

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/715\7154171.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 2010/10/28

 Year Completed:
 2010

 Depth (m):
 12.4968

 Latitude:
 44.2447561939865

 Longitude:
 -77.3905360787112

 Path:
 715√7154171.pdf

Bore Hole Information

Bore Hole ID: 1003363115 Elevation:
DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 309129.00

 Code OB Desc:
 North83:
 4901837.00

 Open Hole:
 Org CS:
 UTM83

 Cluster Kind:
 UTMRC:
 3

 Date Completed:
 28-Oct-2010 00:00:00
 UTMRC Desc:
 margin of error : 10 - 30 m

Remarks: Location Method: wwr

Loc Method Desc: on Water Well Record Elevre Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock Materials Interval

 Formation ID:
 1003484325

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 11

Mat3:

Mat3 Desc:

Mat2 Desc:

Formation Top Depth: 16.0 Formation End Depth: 21.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003484324

Layer: 2 **Color:** 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 12

 Mat2 Desc:
 STONES

Order No: 23021600530

GRAVEL

Mat3:11Mat3 Desc:GRAVELFormation Top Depth:1.0Formation End Depth:16.0Formation End Depth UOM:ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003484323

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 02

 Most Common Material:
 TOPSOIL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 1.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003484326

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 21.0 Formation End Depth: 41.0

Formation End Depth: 41.0 ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 1003484329

 Layer:
 1

Plug From: 21.0
Plug To: 0.0
Plug Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003484362

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 1003484321

Casing No: 0

Comment:

Alt Name:

Construction Record - Casing

 Casing ID:
 1003484331

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 -2.0

 Depth To:
 21.0

Casing Diameter: 6.25
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1003484332

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From: 21.0
Depth To: 41.0
Casing Diameter: 6.125
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1003484333

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM:

Screen Depth UOM: π
Screen Diameter UOM: inch

Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:

Pump Test ID: 1003484322

Pump Set At: 39.0

 Static Level:
 15.149999618530273

 Final Level After Pumping:
 20.440000534057617

Recommended Pump Depth: 39.0 Pumping Rate: 8.0 Flowing Rate:

Recommended Pump Rate: 8.0 Levels UOM: ft Rate UOM: GPM Water State After Test Code: 1 Water State After Test: **CLEAR** Pumping Test Method: 0 **Pumping Duration HR:** 1 **Pumping Duration MIN:** 0

Flowing:

Draw Down & Recovery

Pump Test Detail ID:1003484334Test Type:Draw Down

Test Duration:

Test Level: 17.649999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003484335
Test Type: Recovery

Test Duration:

Test Level: 17.56999969482422

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003484336Test Type:Draw Down

Test Duration: 2

Test Level: 18.489999771118164

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003484342Test Type:Draw Down

Test Duration: 5

Test Level: 19.68000030517578

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003484345Test Type:Recovery

Test Duration: 10

Test Level: 15.239999771118164

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003484346Test Type:Draw Down

Test Duration: 15

Test Level: 20.34000015258789

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1003484350Test Type:Draw Down

Test Duration: 25

Test Level: 20.420000076293945

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1003484359
Test Type: Recovery

Test Duration: 60

Test Level: 15.180000305175781

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003484339 Test Type: Recovery

Test Duration:

15.699999809265137 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003484349 Test Type: Recovery

Test Duration: 20

Test Level: 15.199999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003484354 Test Type: Draw Down Test Duration: 40

2.5 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003484355 Test Type: Recovery Test Duration: 40

Test Level: 15.1899995803833

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003484337 Test Type: Recovery 2

Test Duration:

Test Level: 16.31999969482422

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003484338 Test Type: Draw Down

Test Duration: 3

Test Level: 19.020000457763672

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003484340 Test Type: Draw Down

Test Duration:

19.399999618530273 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003484358

Draw Down Test Type:

Test Duration: 60

20.440000534057617 Test Level:

Test Level UOM: ft

Draw Down & Recovery

1003484348 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 20

20.489999771118164 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003484351 Test Type: Recovery

Test Duration: 25

Test Level: 15.199999809265137

Test Level UOM: ft

Draw Down & Recovery

1003484357 Pump Test Detail ID: Test Type: Recovery 50

Test Duration:

Test Level: 15.180000305175781

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003484344 Test Type: Draw Down Test Duration: 10 Test Level: 20.25 ft

Test Level UOM:

Draw Down & Recovery

1003484347 Pump Test Detail ID: Test Type: Recovery

Test Duration: 15

Test Level: 15.210000038146973

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003484341 Test Type: Recovery

Test Duration:

Test Level: 15.420000076293945

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003484343 Test Type: Recovery

Test Duration: 5

Test Level: 15.319999694824219

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003484352Test Type:Draw Down

Test Duration: 30

Test Level: 20.3799991607666

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003484353Test Type:Recovery

Test Duration: 30

Test Level: 15.199999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003484356Test Type:Draw Down

Test Duration: 50

Test Level: 20.510000228881836

Test Level UOM: ft

Water Details

Water ID: 1003484330

Layer: 1 Kind Code: 8

Kind: Untested Water Found Depth: 24.0 Water Found Depth UOM: ft

Hole Diameter

 Hole ID:
 1003484327

 Diameter:
 6.25

 Depth From:
 2.0

 Depth To:
 21.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

Hole Diameter

 Hole ID:
 1003484328

 Diameter:
 6.125

 Depth From:
 21.0

 Depth To:
 4.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

<u>Links</u>

 Bore Hole ID:
 1003363115
 Tag No:
 A100881

 Depth M:
 12.4968
 Contractor:
 1805

 Year Completed:
 2010
 Roth:
 745/3454

 Year Completed:
 2010
 Path:
 715\7154171.pdf

 Well Completed Dt:
 2010/10/28
 Latitude:
 44.2447561939865

 Audit No:
 Z115186
 Longitude:
 -77.3905360787112

WWIS

Order No: 23021600530

12 1 of 1 SW/0.0 116.8 / -2.74 501 HARMONY RD lot 9 con 5
BELLEVILLE ON

Well ID: 7213209 Flowing (Y/N):

 Construction Date:
 Flow Rate:

 Use 1st:
 Domestic

 Domestic
 Data Entry Status:

Use 2nd:

Final Well Status: Water Supply

Data Src:
Date Received:

Final Well Status:Water SupplyDate Received:17-Dec-2013 00:00:00Water Type:Selected Flag:TRUECasing Material:Abandonment Rec:Yes

Audit No: Z171824 Contractor: 1507
Tag: Form Version: 7

Constructn Method: Owner:

Elevation (m):County:HASTINGSElevatn Reliabilty:Lot:009Depth to Bedrock:Concession:05Well Depth:Concession Name:CON

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

Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/721\7213209.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 2013/09/30

 Year Completed:
 2013

 Depth (m):
 24.6888

 Latitude:
 44.2438818618545

 Longitude:
 -77.3935940710574

 Path:
 721\7213209.pdf

Bore Hole Information

 Bore Hole ID:
 1004668355
 Elevation:

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 308882.00

 Code OB Desc:
 North83:
 4901747.00

 Open Hole:
 Org CS:
 UTM83

 Cluster Kind:
 UTMRC:
 4

 Date Completed:
 30-Sep-2013 00:00:00
 UTMRC Desc:
 margin of error : 30 m - 100 m

Remarks: Location Method: W

Loc Method Desc: on Water Well Record

Elevrc Desc:

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

Source Revision Comment:

Overburden and Bedrock Materials Interval

Supplier Comment:

Formation ID: 1005021662

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: 73 Mat2 Desc: HARD

Mat3: Mat3 Desc:

Formation Top Depth: 41.0
Formation End Depth: 81.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1005021660

Layer: Color: 6 **BROWN** General Color: Mat1: 05 Most Common Material: CLAY Mat2: 34 Mat2 Desc: TILL Mat3: 79 Mat3 Desc: **PACKED**

Formation Top Depth: 0.0
Formation End Depth: 19.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1005021661

2 Layer: Color: 2 **GREY** General Color: Mat1: 05 Most Common Material: CLAY Mat2: 34 Mat2 Desc: TILL Mat3: 79 **PACKED** Mat3 Desc: Formation Top Depth: 19.0 Formation End Depth: 41.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1005021672

 Layer:
 3

 Plug From:
 58.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1005021670

Layer: 1

 Plug From:
 81.0

 Plug To:
 69.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1005021671

 Layer:
 2

 Plug From:
 69.0

 Plug To:
 58.0

 Plug Depth UOM:
 ft

Method of Construction & Well

Use

Method Construction ID: 1005021669

Method Construction Code: 2

Method Construction:Rotary (Convent.)Other Method Construction:AIR PERCUSSION

Pipe Information

Pipe ID: 1005021659

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1005021666

Layer: Material:

Open Hole or Material:

Depth From: Depth To: Casing Diameter: Casing Diameter UOM:

Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1005021667

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM:

Screen Depth UOM: ft Screen Diameter UOM: inch

Screen Diameter:

Water Details

Water ID: 1005021665

 Layer:
 1

 Kind Code:
 2

 Kind:
 SALTY

 Water Found Depth:
 74.0

 Water Found Depth UOM:
 ft

Hole Diameter

 Hole ID:
 1005021663

 Diameter:
 10.0

 Depth From:
 0.0

Depth To: 41.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

Hole Diameter

Hole ID: 1005021664

 Diameter:
 6.0

 Depth From:
 41.0

 Depth To:
 81.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

<u>Links</u>

Bore Hole ID: 1004668355 **Tag No:**

Depth M: 24.6888 **Contractor:** 1507

 Year Completed:
 2013
 Path:
 721\7213209.pdf

 Well Completed Dt:
 2013/09/30
 Latitude:
 44.2438818618545

 Audit No:
 2171824
 Longitude:
 -77.3935940710574

1 of 1 SSE/0.0 110.2 / -9.35 501 HARMONY ROAD RR1 lot 10 con 5 CORBYVILLE ON WWIS

08-Dec-2010 00:00:00

Order No: 23021600530

 Well ID:
 7155672
 Flowing (Y/N):

 Construction Date:
 Flow Rate:

 Use 1st:
 Domestic
 Data Entry Status:

Use 1st: Domestic Data Entry State
Use 2nd: Data Src:

Final Well Status: Water Supply Date Received:

Water Type: Selected Flag: TRUE Casing Material: Abandonment Rec:

Audit No: Z115184 Contractor: 1805

Tag: A100883 Form Version: 7
Constructn Method: Owner:

 Elevation (m):
 County:
 HASTINGS

 Elevatn Reliabilty:
 Lot:
 010

 Depth to Bedrock:
 Concession:
 05

 Well Depth:
 Concession Name:
 CON

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83:

Static Water Level: Zone:

Clear/Cloudy: UTM Reliability:

Municipality:THURLOW TOWNSHIPSite Info:BLACK BEAR RIDGE GOLF

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/715\7155672.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 2010/11/16

 Year Completed:
 2010

 Depth (m):
 12.192

 Latitude:
 44.2433772878192

 Longitude:
 -77.3918954028402

 Path:
 715√7155672.pdf

Bore Hole Information

 Bore Hole ID:
 1003432146
 Elevation:

 DP2BR:
 Elevrc:

Spatial Status: Zone: 18

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

309016.00

3

4901687.00 UTM83

margin of error: 10 - 30 m

Order No: 23021600530

Code OB: Code OB Desc: Open Hole:

Date Completed: 16-Nov-2010 00:00:00

Remarks:

. Cluster Kind:

Loc Method Desc: on Water Well Record

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

1003595630 Formation ID:

Layer: 4 Color: **GREY** General Color: Mat1: 15 Most Common Material:

LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

18.0 Formation Top Depth: Formation End Depth: 40.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 1003595627

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

Mat1: 02 Most Common Material: **TOPSOIL**

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 1.0

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 1003595628

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

Mat1: 05 Most Common Material: CLAY Mat2: 12 Mat2 Desc: **STONES** Mat3: 11 Mat3 Desc: **GRAVEL** Formation Top Depth: 1.0 Formation End Depth: 16.0

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 1003595629

Layer: 3 2 Color: General Color: **GREY** Mat1: 05 Most Common Material: CLAY 12 Mat2: Mat2 Desc: **STONES** Mat3: 73 Mat3 Desc: **HARD** Formation Top Depth: 16.0 Formation End Depth: 18.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1003595633

 Layer:
 1

 Plug From:
 20.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003595666

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 1003595625

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1003595636

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 -2.0

 Depth To:
 20.0

 Casing Diameter:
 6.25

 Casing Diameter UOM:
 inch

 Casing Depth UOM:
 ft

Construction Record - Casing

Casing ID: 1003595637

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:20.0Depth To:40.0Casing Diameter:6.125Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Screen

Screen ID: 1003595638

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM:

Screen Depth UOM: ft Screen Diameter UOM: inch

Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:

 Pump Test ID:
 1003595626

 Pump Set At:
 29.0

 Static Level:
 11.289999961853027

 Final Level After Pumping:
 18.8700008392334

Recommended Pump Depth: 29.0
Pumping Rate: 5.0
Flowing Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 0

Pumping Duration HR: Pumping Duration MIN:

Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 1003595660
Test Type: Recovery

Test Duration: 40

Test Level: 11.399999618530273

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1003595640
Test Type: Recovery

Test Duration:

Test Level: 15.550000190734863

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003595645Test Type:Draw Down

Test Duration:

Test Level: 17.239999771118164

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003595647Test Type:Draw Down

Test Duration: 5

Test Level: 17.639999389648438

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003595648Test Type:Recovery

Test Duration: 5

Test Level: 11.6899995803833

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1003595649Test Type:Draw Down

Test Duration: 10

Test Level: 18.399999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003595654
Test Type: Recovery

Test Duration: 20

Test Level: 11.430000305175781

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003595641Test Type:Draw Down

Test Duration: 2

Test Level: 15.770000457763672

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003595650Test Type:Recovery

Test Duration: 10

Test Level: 11.449999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003595651Test Type:Draw Down

Test Duration: 15

Test Level: 18.540000915527344

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003595659

Draw Down Test Type:

Test Duration: 40

18.850000381469727 Test Level:

Test Level UOM: ft

Draw Down & Recovery

1003595661 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 50

18.90999984741211 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003595662 Test Type: Recovery 50

Test Duration:

11.380000114440918 Test Level:

Test Level UOM: ft

Draw Down & Recovery

1003595642 Pump Test Detail ID: Test Type: Recovery 2

Test Duration:

Test Level: 13.5600004196167

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003595646 Test Type: Recovery

Test Duration:

Test Level: 11.930000305175781

Test Level UOM: ft

Draw Down & Recovery

1003595652 Pump Test Detail ID: Test Type: Recovery

Test Duration: 15

Test Level: 11.470000267028809

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003595657 Draw Down Test Type: Test Duration: 30 Test Level: 18.75 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003595658 Test Type: Recovery

Test Duration: 30

Test Level: 11.420000076293945

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003595663Test Type:Draw Down

Test Duration: 60

Test Level: 18.8700008392334

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003595664
Test Type: Recovery

Test Duration: 60

Test Level: 11.350000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003595653Test Type:Draw Down

Test Duration: 20

Test Level: 18.56999969482422

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003595643Test Type:Draw Down

Test Duration: 3

Test Level: 16.649999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003595644
Test Type: Recovery

Test Duration: 3

Test Level: 12.449999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003595639Test Type:Draw Down

Test Duration:

Test Level: 14.420000076293945

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003595655
Test Type: Draw Down

Test Duration: 25

Test Level: 18.649999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003595656 Test Type: Recovery

Test Duration: 25

11.420000076293945 Test Level:

Test Level UOM: ft

Water Details

Water ID: 1003595634

Layer: Kind Code: 8 Untested Kind: Water Found Depth: 22.0 Water Found Depth UOM:

Water Details

1003595635 Water ID:

Layer: 2 Kind Code: 3

SULPHUR Kind: Water Found Depth: 30.0 Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1003595632 Diameter: 6.125 20.0 Depth From: Depth To: 40.0 Hole Depth UOM: ft Hole Diameter UOM: inch

Hole Diameter

Hole ID: 1003595631 Diameter: 6.25 Depth From: 2.0 20.0 Depth To: Hole Depth UOM: ft Hole Diameter UOM: inch

Links

Bore Hole ID: 1003432146 Tag No: A100883 Depth M: 12.192 Contractor: 1805

Path: Year Completed: 2010 715\7155672.pdf Well Completed Dt: 2010/11/16 Latitude: 44.2433772878192 -77.3918954028402 Audit No: Z115184 Longitude:

501 HARMONY RD RR#1 lot 10 con 5 1 of 1 ESE/0.0 109.7/ -9.83 14

CORBYVILLE ON

WWIS

Order No: 23021600530

02-Mar-2011 00:00:00

TRUE

7159891 Well ID: Flowing (Y/N): **Construction Date:** Flow Rate:

Use 1st: **Domestic** Data Entry Status: Use 2nd: Data Src:

Final Well Status: Water Supply Date Received:

Water Type: Selected Flag: Casing Material: Abandonment Rec: Audit No:

Z115175 Contractor: 1805

A100887 Tag: Form Version: 7

Constructn Method: Owner: **HASTINGS** Elevation (m): County: Elevatn Reliabilty: Lot: 010 Depth to Bedrock: Concession: 05

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

Clear/Cloudy: UTM Reliability:

THURLOW TOWNSHIP Municipality:

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/715\7159891.pdf

Additional Detail(s) (Map)

2011/02/24 Well Completed Date: Year Completed: 2011 Depth (m): 12.4968

Latitude: 44.2441944696463 -77.3902753609705 Longitude: Path: 715\7159891.pdf

Bore Hole Information

Bore Hole ID: 1003481296 Elevation:

DP2BR: Elevrc:

Spatial Status: Zone: 18 Code OB: East83: 309148.00 Code OB Desc: North83: 4901774.00 Open Hole: Org CS: UTM83 Cluster Kind: UTMRC:

Date Completed: 24-Feb-2011 00:00:00 UTMRC Desc: margin of error: 10 - 30 m

Order No: 23021600530

Location Method: Remarks: wwr

Loc Method Desc: on Water Well Record

Elevrc Desc:

Location Source Date: Improvement Location Source:

Improvement Location Method: Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 1003788050

Layer: 5 2 Color: **GREY** General Color: Mat1:

LIMESTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

21.0 Formation Top Depth: Formation End Depth: 41.0

Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003788046

 Layer:
 1

 Color:
 8

 General Color:
 BLACK

 Mat1:
 02

 Most Common Material:
 TOPSOIL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 1.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003788047

Layer: Color: 6 General Color: **BROWN** Mat1: 05 CLAY Most Common Material: Mat2: 11 **GRAVEL** Mat2 Desc: Mat3: 12 **STONES** Mat3 Desc: Formation Top Depth: 1.0 Formation End Depth: 13.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003788048

3 Layer: Color: General Color: **GREY** Mat1: 05 Most Common Material: CLAY Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 12 Mat3 Desc: **STONES** Formation Top Depth: 13.0 Formation End Depth: 20.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 1003788049

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 26

 Most Common Material:
 ROCK

 Mat2:
 17

 Mat2 Desc:
 SHALE

 Mat3:
 71

 Mat6 Desc:
 FDACTURE

Mat3 Desc: FRACTURED

Formation Top Depth: 20.0

Formation End Depth: 21.0 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1003788086

 Layer:
 1

 Plug From:
 0.0

 Plug To:
 20.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003788084

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 1003788044

Casing No: 0

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1003788055

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From: 21.0
Depth To: 41.0
Casing Diameter: 6.125
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1003788054

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 -2.0

 Depth To:
 21.0

 Casing Diameter:
 6.25

 Casing Diameter UOM:
 inch

 Casing Depth UOM:
 ft

Construction Record - Screen

Screen ID: 1003788056

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material:

Screen Depth UOM: ft Screen Diameter UOM: inch

Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:

Pump Test ID: 1003788045

Pump Set At: 39.0

11.5600004196167 Static Level: Final Level After Pumping: 12.699999809265137

Recommended Pump Depth: 39.0 10.0 Pumping Rate:

Flowing Rate:

Recommended Pump Rate: 12.0 Levels UOM: ft **GPM** Rate UOM: Water State After Test Code:

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

Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1003788069 Test Type: Draw Down

Test Duration: 15

Test Level: 12.640000343322754

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003788076 Test Type: Recovery

Test Duration: 30

Test Level: 11.600000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003788077 Test Type: Draw Down

Test Duration: 40

12.6899995803833 Test Level:

Test Level UOM: ft

Draw Down & Recovery

1003788082 Pump Test Detail ID: Recovery Test Type:

Test Duration: 60

Test Level: 11.59000015258789

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003788073 Draw Down Test Type:

Test Duration: 25

12.680000305175781 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003788081Test Type:Draw Down

Test Duration: 60

Test Level: 12.699999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003788057Test Type:Draw Down

Test Duration: 1

Test Level: 12.300000190734863

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003788058
Test Type: Recovery

Test Duration: 1

Test Level: 11.789999961853027

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003788059Test Type:Draw Down

Test Duration: 2

Test Level: 12.489999771118164

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003788060

 Test Type:
 Recovery

 Test Duration:
 2

 Test Level:
 11.75

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:1003788075Test Type:Draw Down

Test Duration: 30

Test Level: 12.670000076293945

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003788080Test Type:RecoveryTest Duration:50

Test Level: 11.59000015258789

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003788061 Test Type: Draw Down

Test Duration: 3

12.529999732971191 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003788065 Test Type: Draw Down

Test Duration: 5

Test Level: 12.569999694824219

Test Level UOM: ft

Draw Down & Recovery

1003788066 Pump Test Detail ID: Test Type: Recovery 5

Test Duration:

Test Level: 11.6899995803833

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003788068 Test Type: Recovery Test Duration: 10

Test Level: 11.640000343322754

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003788064 Recovery Test Type:

Test Duration:

11.699999809265137 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003788072 Test Type: Recovery

Test Duration: 20

11.619999885559082 Test Level:

Test Level UOM: ft

Draw Down & Recovery

1003788074 Pump Test Detail ID: Test Type: Recovery

Test Duration: 25

Test Level: 11.609999656677246

Test Level UOM: ft

Draw Down & Recovery

1003788063 Pump Test Detail ID: Test Type: Draw Down

Test Duration:

12.5600004196167 Test Level:

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1003788071Test Type:Draw Down

Test Duration: 20

Test Level: 12.65999984741211

ft

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003788078
Test Type: Recovery

Test Duration: 40

Test Level: 11.600000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003788070
Test Type: Recovery

Test Duration: 15

Test Level: 11.630000114440918

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003788062 Test Type: Recovery

Test Duration: 3

Test Level: 11.720000267028809

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1003788067Test Type:Draw Down

Test Duration: 10

Test Level: 12.619999885559082

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003788079Test Type:Draw Down

Test Duration: 50

Test Level: 12.6899995803833

Test Level UOM: ft

Water Details

Water ID: 1003788053

 Layer:
 1

 Kind Code:
 8

 Kind:
 Untested

 Water Found Depth:
 21.0

 Water Found Depth UOM:
 ft

Hole Diameter

 Hole ID:
 1003788052

 Diameter:
 6.125

 Depth From:
 21.0

 Depth To:
 41.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

Hole Diameter

 Hole ID:
 1003788051

 Diameter:
 6.25

 Depth From:
 2.0

 Depth To:
 21.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

Links

 Bore Hole ID:
 1003481296
 Tag No:
 A100887

 Depth M:
 12.4968
 Contractor:
 1805

 Year Completed:
 2011
 Path:
 715\7159891.pdf

 Well Completed Dt:
 2011/02/24
 Latitude:
 44.2441944696463

 Audit No:
 Z115175
 Longitude:
 -77.3902753609705

15 1 of 1 SE/0.0 109.3 / -10.23 501 HARMONY ROAD RR1 lot 10 con 5 WWIS

Flowing (Y/N):

Date Received:

Selected Flag:

Form Version:

Concession:

Contractor:

Owner:

County:

Lot:

Data Entry Status:

Abandonment Rec:

Concession Name:

Easting NAD83:

UTM Reliability:

Northing NAD83:

08-Dec-2010 00:00:00

Order No: 23021600530

TRUE

1805

010

CON

05

HASTINGS

7

Flow Rate:

Data Src:

Well ID: 7155673

Construction Date:

Use 1st: Domestic

Use 2nd:

Final Well Status: Water Supply

Water Type:

Casing Material:

Audit No: Z115185 **Tag:** A100882

Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate:

Static Water Level:

Clear/Cloudy:
Municipality: THURLOW TOWNSHIP

Site Info: BEAR RIDGE BLACK GOLF

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/715\7155673.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 2010/11/08

 Year Completed:
 2010

 Depth (m):
 12.4968

 Latitude:
 44.2433807895111

 Longitude:
 -77.3908685881737

 Path:
 715\7155673.pdf

Bore Hole Information

Bore Hole ID: 1003432148

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

Cluster Kind:

Date Completed: 08-Nov-2010 00:00:00 **Remarks:**

Loc Method Desc: on Water Well Record

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 1003595670

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 02

 Most Common Material:
 TOPSOIL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 1.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003595672

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material:LIMESTONEMat2:26Mat2 Desc:ROCK

 Mat2 Desc:
 ROC

 Mat3:
 71

Mat3 Desc: FRACTURED

Formation Top Depth: 8.0
Formation End Depth: 11.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003595673

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2:

Elevation: Elevrc:

Zone: 18

East83: 309098.00 North83: 4901685.00 Org CS: UTM83

UTMRC: 3

UTMRC Desc: margin of error : 10 - 30 m

Location Method: wwr

Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 11.0 Formation End Depth: 41.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003595671

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc:

 Mat3:
 66

 Mat3 Desc:
 DENSE

 Formation Top Depth:
 1.0

 Formation End Depth:
 8.0

 Formation End Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1003595676

 Layer:
 1

 Plug From:
 11.5

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003595708

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 1003595668

Casing No: 0

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1003595679

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From: 11.5
Depth To: 41.0
Casing Diameter: 6.125
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1003595678

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 -2.0

 Depth To:
 11.5

 Casing Diameter:
 6.25

 Casing Diameter UOM:
 inch

 Casing Depth UOM:
 ft

Construction Record - Screen

Screen ID: 1003595680

Layer: Slot:

Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM:
Screen Diameter UOM:
inch

Results of Well Yield Testing

Screen Diameter:

Pumping Test Method Desc:

Pump Test ID: 1003595669

Pump Set At: 24.0

 Static Level:
 2.9100000858306885

 Final Level After Pumping:
 10.09000015258789

Recommended Pump Depth: 39.0
Pumping Rate: 18.0

Flowing Rate:

Recommended Pump Rate: 15.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEA

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

Draw Down & Recovery

Pump Test Detail ID:1003595685Test Type:Draw Down

Test Duration: 3

Test Level: 7.559999942779541

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003595697Test Type:Draw Down

Test Duration: 25

Test Level: 9.489999771118164

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003595698

 Test Type:
 Recovery

 Test Duration:
 25

 Test Level:
 3.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:1003595704Test Type:RecoveryTest Duration:50

Test Level: 2.9600000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003595706Test Type:RecoveryTest Duration:60

Test Level: 2.950000047683716

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1003595693Test Type:Draw Down

Test Duration: 15

Test Level: 8.789999961853027

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1003595696Test Type:Recovery

Test Duration: 20

Test Level: 3.009999990463257

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003595702Test Type:Recovery

Test Duration: 40

Test Level: 2.9700000286102295

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003595689Test Type:Draw Down

Test Duration: 5

Test Level: 8.079999923706055

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003595692
Test Type: Recovery

Test Duration: 10

Test Level: 3.059999942779541

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003595695Test Type:Draw Down

Test Duration: 20

Test Level: 9.350000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003595705Test Type:Draw Down

Test Duration: 60

Test Level: 10.09000015258789

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003595683Test Type:Draw Down

Test Duration: 2

Test Level: 7.199999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003595687Test Type:Draw Down

Test Duration: 4

Test Level: 7.860000133514404

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003595690Test Type:Recovery

Test Duration:

Test Level: 3.130000114440918

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003595700Test Type:Recovery

Test Duration: 30

Test Level: 3.990000009536743

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003595681Test Type:Draw Down

Test Duration: 1

Test Level: 6.53000020980835

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003595686 Test Type: Recovery

Test Duration: 3

Test Level: 3.1700000762939453

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003595694Test Type:RecoveryTest Duration:15

Test Level: 3.0299999713897705

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003595703Test Type:Draw Down

Test Duration: 50

Test Level: 10.029999732971191

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003595691Test Type:Draw Down

Test Duration: 10

Test Level: 8.6899995803833

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003595701Test Type:Draw Down

Test Duration: 40

Test Level: 9.989999771118164

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003595684
Test Type: Recovery

Test Duration: 2

Test Level: 3.2100000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003595699Test Type:Draw Down

Test Duration: 30

Test Level: 9.579999923706055

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003595682
Test Type: Recovery

Test Duration: 1

Test Level: 3.3399999141693115

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1003595688 Test Type: Recovery

Test Duration:

3.1500000953674316 Test Level:

ft

Test Level UOM: ft

Water Details

Water ID: 1003595677

Layer: Kind Code: 8

Kind: Untested Water Found Depth: 13.0 Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1003595675 Diameter: 6.125 Depth From: 11.5 Depth To: 41.0 Hole Depth UOM: ft Hole Diameter UOM: inch

Hole Diameter

1003595674 Hole ID: Diameter: 6.25 Depth From: 2.0 11.5 Depth To: Hole Depth UOM: ft Hole Diameter UOM: inch

Links

1003432148 A100882 Bore Hole ID: Tag No: Depth M: 12.4968 Contractor: 1805

Year Completed: 2010 Path: 715\7155673.pdf Well Completed Dt: 2010/11/08 Latitude: 44.2433807895111 Audit No: Z115185 Longitude: -77.3908685881737

S/0.0 501 HARMONY RD. RR#1 lot 10 con 5 16 1 of 1 109.1 / -10.39 **WWIS CORBYVILLE ON**

Flowing (Y/N):

Order No: 23021600530

Well ID: 7152519

Construction Date:

Flow Rate: Use 1st: Domestic Data Entry Status: Use 2nd: Data Src:

08-Oct-2010 00:00:00 Final Well Status: Water Supply Date Received: Water Type: Selected Flag: TRUE

Casing Material: Abandonment Rec:

Audit No: Z115172 Contractor: 1805

Tag: A100878 Form Version: Constructn Method: Owner:

Elevation (m): County: **HASTINGS** Elevatn Reliabilty: 010 Lot: Depth to Bedrock: Concession: 05

Well Depth: Concession Name: CON

 Overburden/Bedrock:
 Easting NAD83:

 Pump Rate:
 Northing NAD83:

 Static Water Level:
 Zone:

Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/715\7152519.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 2010/09/15

 Year Completed:
 2010

 Depth (m):
 12.192

 Latitude:
 44.2429522316919

 Longitude:
 -77.392416692635

 Path:
 715\7152519.pdf

Bore Hole Information

 Bore Hole ID:
 1003347309
 Elevation:

 DP2BR:
 Elevrc:

 DP2BR:
 Elevro:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 308973.00

 Code OB Desc:
 North83:
 4901641.00

 Open Hole:
 Org CS:
 UTM83

 Cluster Kind:
 UTMRC:
 3

 Date Completed:
 15-Sep-2010 00:00:00
 UTMRC Desc:
 margin of error : 10 - 30 m

Order No: 23021600530

Remarks: Location Method: wwr

Loc Method Desc: on Water Well Record

Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

Formation ID: 1003417789

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 12

 Mat2 Desc:
 STONES

Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 12.0
Formation End Depth: 16.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003417788

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 13

 Mat2 Desc:
 BOULDERS

Mat3:12Mat3 Desc:STONESFormation Top Depth:1.0Formation End Depth:12.0Formation End Depth UOM:ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003417787

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 02

 Most Common Material:
 TOPSOIL

 Mat2:
 12

STONES

Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 1.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003417790

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 16.0 Formation End Depth: 40.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1003417793

 Layer:
 1

 Plug From:
 18.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003417826

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 1003417785 0

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1003417797

Layer: Material:

Open Hole or Material: **OPEN HOLE**

Depth From: 18.0 Depth To: 40.0

6.010000228881836 Casing Diameter:

Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

1003417796 Casing ID:

Layer: Material: Open Hole or Material: STEEL Depth From: -2.0 18.0 Depth To: Casing Diameter: 6.25 Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1003417798

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM: ft Screen Diameter UOM: inch

Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:

Pump Test ID: 1003417786 Pump Set At: 25.0

Static Level: 7.980000019073486 Final Level After Pumping: 14.140000343322754

27.0 Recommended Pump Depth: Pumping Rate: 20.0

Flowing Rate:

Recommended Pump Rate: 15.0 Levels UOM: ft **GPM** Rate UOM: Water State After Test Code: **CLEAR** Water State After Test: Pumping Test Method: 0 **Pumping Duration HR: Pumping Duration MIN:** 0

Flowing:

Draw Down & Recovery

1003417811 Pump Test Detail ID: Draw Down Test Type: Test Duration: 15 14.0 Test Level: Test Level UOM:

Draw Down & Recovery

1003417813 Pump Test Detail ID: Draw Down Test Type:

Test Duration: 20

Test Level: 14.029999732971191

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003417803 Test Type: Draw Down

Test Duration: 3

13.34000015258789 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003417805 Test Type: Draw Down

Test Duration: 4

Test Level: 13.550000190734863

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003417812 Test Type: Recovery Test Duration: 15

Test Level: 18.15999984741211

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003417801 Test Type: Draw Down

Test Duration:

13.050000190734863 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003417814 Test Type: Recovery 20

Test Duration:

8.119999885559082 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003417820 Recovery Test Type:

Test Duration: 40

Test Level: 8.050000190734863

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003417800
Test Type: Recovery

Test Duration: 1

Test Level: 9.649999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003417802 Test Type: Recovery

Test Duration: 2

Test Level: 9.0600004196167

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003417806 Test Type: Recovery

Test Duration: 4

Test Level: 8.600000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003417807Test Type:Draw Down

Test Duration: 5

Test Level: 13.649999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003417808Test Type:Recovery

Test Duration: 5

Test Level: 8.489999771118164

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003417815

 Test Type:
 Draw Down

 Test Duration:
 25

 Test Level:
 14.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 1003417816
Test Type: Recovery

Test Duration: 25

Test Level: 8.100000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003417817Test Type:Draw Down

Test Duration: 30

Test Level: 14.0600004196167

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003417818Test Type:RecoveryTest Duration:30

Test Level: 8.069999694824219

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1003417821Test Type:Draw Down

Test Duration: 50

Test Level: 14.119999885559082

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003417823Test Type:Draw Down

Test Duration: 60

Test Level: 14.140000343322754

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003417799Test Type:Draw Down

Test Duration:

Test Level: 12.34000015258789

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003417804
Test Type: Recovery

Test Duration: 3

Test Level: 8.789999961853027

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003417809
Test Type: Draw Down

Test Duration: 10

Test Level: 13.90999984741211

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003417810

Test Type: Recovery Test Duration: 10

8.220000267028809 Test Level:

Test Level UOM: ft

Draw Down & Recovery

1003417819 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 40

14.100000381469727 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003417822 Recovery Test Type: Test Duration: 50

Test Level: 8.039999961853027

Test Level UOM:

Draw Down & Recovery

1003417824 Pump Test Detail ID: Test Type: Recovery

Test Duration: 60

Test Level: 8.029999732971191

Test Level UOM:

Water Details

Water ID: 1003417794

Layer: Kind Code: 8

Untested Kind: Water Found Depth: 20.0 Water Found Depth UOM: ft

Water Details

Water ID: 1003417795

Layer: 2 Kind Code: Other Kind: 30.0 Water Found Depth: Water Found Depth UOM:

Hole Diameter

1003417792 Hole ID: Diameter: 6.125 Depth From: 18.0 Depth To: 40.0 Hole Depth UOM: ft Hole Diameter UOM: inch

Hole Diameter

Hole ID: 1003417791 Diameter: 6.25

 Depth From:
 2.0

 Depth To:
 18.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

<u>Links</u>

 Bore Hole ID:
 1003347309
 Tag No:
 A100878

 Depth M:
 12.192
 Contractor:
 1805

 Year Completed:
 2010
 Path:
 715\7152519.pdf

 Well Completed Dt:
 2010/09/15
 Latitude:
 44.2429522316919

 Audit No:
 Z115172
 Longitude:
 -77.392416692635

1 of 1 ESE/0.0 108.8 / -10.77 501 HARMONY RD RR1 lot 10 con 5 CORBYVILLE ON WWIS

Well ID: 7159892 **Flowing (Y/N):**

 Construction Date:
 Flow Rate:

 Use 1st:
 Domestic

 Domestic
 Data Entry Status:

Use 2nd:

Final Well Status: Water Supply

Data Src:

Date Received:

Final Well Status:Water SupplyDate Received:02-Mar-2011 00:00:00Water Type:Selected Flag:TRUE

Casing Material:Abandonment Rec:Audit No:Z115181Contractor:1805

Tag: A100886 Form Version: 7
Constructn Method: Owner:

Elevation (m):

County: HASTINGS
Elevatin Reliability:

Lot: 010

Depth to Bedrock:Concession:05Well Depth:Concession Name:CONOverburden/Bedrock:Easting NAD83:

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

Clear/Cloudy: UTM Reliability:
Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/715\7159892.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 2011/01/11

 Year Completed:
 2011

 Depth (m):
 11.2776

 Latitude:
 44.243686716222

 Longitude:
 -77.3900168348043

 Path:
 715\7159892.pdf

Bore Hole Information

Bore Hole ID: 1003481298 Elevation: DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 309167.00

 Code OB Desc:
 North83:
 4901717.00

 Open Hole:
 Org CS:
 UTM83

Cluster Kind: UTMRC:

Date Completed: 11-Jan-2011 00:00:00 **UTMRC Desc:** margin of error : 10 - 30 m

Order No: 23021600530

Remarks: Location Method: wv

Loc Method Desc: on Water Well Record

Elevrc Desc: Location Source Date:

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

Overburden and Bedrock

Materials Interval

Formation ID: 1003788151

 Layer:
 5

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 12.0 Formation End Depth: 37.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003788147

Layer: 1 Color: 6

General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 1.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003788148

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 13

Mat2 Desc: BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 1.0
Formation End Depth: 3.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003788150

Layer: 4 **Color:** 2

General Color: **GREY** Mat1: 15

LIMESTONE Most Common Material:

Mat2: Mat2 Desc:

71 Mat3:

Mat3 Desc: **FRACTURED**

Formation Top Depth: 10.0 Formation End Depth: 12.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

1003788149 Formation ID:

Layer: Color: **BROWN** General Color: Mat1: 05 Most Common Material: CLAY Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 12 **STONES** Mat3 Desc: Formation Top Depth: 3.0 10.0 Formation End Depth: Formation End Depth UOM:

Annular Space/Abandonment

Sealing Record

1003788187 Plug ID:

ft

Layer: Plug From: 0.0 12.0 Plug To: Plug Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003788185

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 1003788145

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1003788155

Layer: Material: Open Hole or Material: **STEEL** Depth From: -2.5 Depth To: 12.5 Casing Diameter: 6.25 Casing Diameter UOM: inch

Casing Depth UOM:

Construction Record - Casing

Casing ID: 1003788156

ft

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:12.5Depth To:37.0Casing Diameter:6.125Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Screen

Screen ID: 1003788157

Layer: Slot:

Screen Top Depth: Screen End Depth:

Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch

Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:

Pump Test ID: 1003788146

Pump Set At: 23.0

 Static Level:
 2.069999933242798

 Final Level After Pumping:
 9.130000114440918

Recommended Pump Depth: 35.0
Pumping Rate: 20.0

Pumping Rate: Flowing Rate:

Recommended Pump Rate: 15.0

Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 3

Water State After Test: OTHER
Pumping Test Method: 0
Pumping Duration HR: 1
Pumping Duration MIN: 0

Flowing:

Draw Down & Recovery

Pump Test Detail ID:1003788160Test Type:Draw Down

Test Duration: 2

Test Level: 8.260000228881836

Test Level UOM:

Draw Down & Recovery

 Pump Test Detail ID:
 1003788168

 Test Type:
 Draw Down

 Test Duration:
 10

 Test Level:
 8.75

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:1003788170Test Type:Draw Down

Test Duration: 15

Test Level: 8.84000015258789

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003788171Test Type:RecoveryTest Duration:15

Test Level: 2.259999990463257

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1003788178Test Type:Draw Down

Test Duration: 40

Test Level: 9.0600004196167

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003788180Test Type:Draw Down

Test Duration: 50

Test Level: 9.079999923706055

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003788164Test Type:Draw Down

Test Duration:

Test Level: 8.579999923706055

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003788172Test Type:Draw Down

Test Duration: 20

Test Level: 8.899999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003788158Test Type:Draw Down

Test Duration: 1

Test Level: 7.28000020980835

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003788161

Recovery Test Type: Test Duration: 2 2.5 Test Level: Test Level UOM: ft

Draw Down & Recovery

1003788181 Pump Test Detail ID: Test Type: Recovery Test Duration: 50

2.1600000858306885 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003788163 Recovery Test Type: 3

Test Duration:

Test Level: 2.450000047683716

Test Level UOM:

Draw Down & Recovery

1003788165 Pump Test Detail ID: Test Type: Recovery

Test Duration:

Test Level: 2.4100000858306885

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1003788166 Test Type: Draw Down

Test Duration: 5

Test Level: 8.649999618530273

Test Level UOM: ft

Draw Down & Recovery

1003788169 Pump Test Detail ID: Test Type: Recovery Test Duration: 10

Test Level: 2.299999952316284

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003788175 Recovery Test Type:

Test Duration: 25

Test Level: 2.200000047683716

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003788179 Test Type: Recovery

Test Duration: 40

Test Level: 2.1700000762939453

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003788182Test Type:Draw Down

Test Duration: 60

Test Level: 9.130000114440918

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003788173
Test Type: Recovery

Test Duration: 20

Test Level: 2.2300000190734863

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003788174Test Type:Draw Down

Test Duration: 25

Test Level: 8.970000267028809

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003788183Test Type:Recovery

Test Duration: 60

Test Level: 2.1500000953674316

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003788159
Test Type: Recovery

Test Duration:

Test Level: 2.759999990463257

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003788167
Test Type: Recovery

Test Duration: 5

Test Level: 2.380000114440918

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003788176
Test Type: Draw Down

Test Duration: 30

Test Level: 8.989999771118164

Test Level UOM: ft

Draw Down & Recovery

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

Pump Test Detail ID: 1003788177 Test Type: Recovery Test Duration: 30

2.190000057220459 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003788162 Test Type: Draw Down

Test Duration: 3

Test Level: 8.460000038146973

Test Level UOM: ft

Water Details

1003788154 Water ID:

Layer: Kind Code: 8 Kind: Untested Water Found Depth: 13.0 Water Found Depth UOM:

Hole Diameter

1003788152 Hole ID: Diameter: 6.25 Depth From: 2.5 12.5 Depth To: Hole Depth UOM: ft Hole Diameter UOM: inch

Hole Diameter

Hole ID: 1003788153 Diameter: 6.125 12.5 Depth From: Depth To: 37.0 Hole Depth UOM: ft Hole Diameter UOM: inch

Links

Bore Hole ID: 1003481298 Tag No: A100886 Depth M: 11.2776 Contractor: 1805

715\7159892.pdf Year Completed: 2011 Path: Well Completed Dt: 2011/01/11 Latitude: 44.243686716222 Audit No: Z115181 Longitude: -77.3900168348043

1 of 1 SSW/0.0 110.8 / -8.70 501 HARMONY RD. RR#1 lot 9 con 5 18 **WWIS CORBYVILLE ON**

7150671 Well ID:

Construction Date:

Domestic Use 1st:

Use 2nd:

Water Supply

Final Well Status: Water Type:

Casing Material:

Audit No: Z115170 Tag: A100877

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

01-Sep-2010 00:00:00 Date Received:

Order No: 23021600530

TRUE Selected Flag:

Abandonment Rec:

1805 Contractor: Form Version: 7

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

Records Distance (m)

Constructn Method: Owner: Elevation (m): County: **HASTINGS** Elevatn Reliabilty: Lot: 009 Depth to Bedrock: Concession: 05

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

Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/715\7150671.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 2010/08/26 Year Completed: 2010 Depth (m): 13.4112

Latitude: 44.2427965066095 -77.3929739461716 Longitude: Path: 715\7150671.pdf

Bore Hole Information

Bore Hole ID: Elevation: 1003330554 DP2BR: Elevrc:

Spatial Status: Zone: 18 Code OB: East83: 308928.00 Code OB Desc: North83: 4901625.00

UTM83 Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 26-Aug-2010 00:00:00 UTMRC Desc: margin of error: 100 m - 300 m

Order No: 23021600530

Remarks: Location Method: wwr on Water Well Record

Loc Method Desc: Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

1003345411 Formation ID:

Layer: 4 Color: 2 **GREY** General Color: Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 17.5 44.0 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock Materials Interval

Formation ID: 1003345410

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 16.0 Formation End Depth: 17.5 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003345408

Layer:

Color: 6

BROWN General Color: Mat1: 05 Most Common Material: CLAY 12 Mat2: Mat2 Desc: **STONES** Mat3: 73 Mat3 Desc: HARD Formation Top Depth: 0.0 Formation End Depth: 8.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 1003345409

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 13

Mat2 Desc: BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 8.0 Formation End Depth: 16.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1003345414

 Layer:
 1

 Plug From:
 20.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003345446

Method Construction Code: 1

Method Construction:

Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 1003345406

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1003345417

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From: 20.0
Depth To: 44.0
Casing Diameter: 6.125
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1003345416

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 -2.0

 Depth To:
 20.0

 Casing Diameter:
 6.25

 Casing Diameter UOM:
 inch

 Casing Depth UOM:
 ft

Construction Record - Screen

Screen ID: 1003345418

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM:

Screen Depth UOM: It Screen Diameter UOM: inch

Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:

Pump Test ID: 1003345407

Pump Set At: 42.0

 Static Level:
 8.720000267028809

 Final Level After Pumping:
 18.549999237060547

Recommended Pump Depth: 42.0
Pumping Rate: 7.0
Flowing Rate:
Recommended Pump Rate: 7.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR

Order No: 23021600530

Pumping Test Method:

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

Pumping Duration HR: **Pumping Duration MIN:** 0

Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1003345429 Test Type: Draw Down

Test Duration: 10

Test Level: 17.670000076293945

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003345425 Test Type: Draw Down

Test Duration: 4

15.989999771118164 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003345442 Test Type: Recovery

Test Duration: 50

8.739999771118164 Test Level:

Test Level UOM: ft

Draw Down & Recovery

1003345444 Pump Test Detail ID: Test Type: Recovery Test Duration:

Test Level: 8.739999771118164

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1003345423 Test Type: Draw Down

Test Duration: 3

Test Level: 15.229999542236328

Test Level UOM:

Draw Down & Recovery

1003345439 Pump Test Detail ID: Test Type: Draw Down

40 Test Duration:

Test Level: 18.469999313354492

Test Level UOM:

Draw Down & Recovery

1003345431 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 15

Test Level: 18.030000686645508

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003345433Test Type:Draw Down

Test Duration: 20

Test Level: 18.219999313354492

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003345434Test Type:RecoveryTest Duration:20

Test Level: 8.800000190734863

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1003345419Test Type:Draw Down

Test Duration:

Test Level: 12.399999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003345432Test Type:RecoveryTest Duration:15

Test Level: 8.829999923706055

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003345435Test Type:Draw Down

Test Duration: 25

Test Level: 18.299999237060547

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003345443Test Type:Draw Down

Test Duration: 60

Test Level: 18.549999237060547

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003345424

 Test Type:
 Recovery

 Test Duration:
 3

 Test Level:
 10.25

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 1003345426

Test Type: Recovery

Test Duration:

9.579999923706055 Test Level:

Test Level UOM: ft

Draw Down & Recovery

1003345430 Pump Test Detail ID: Test Type: Recovery Test Duration: 10

8.90999984741211 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003345436 Test Type: Recovery Test Duration: 25

Test Level: 8.779999732971191

Test Level UOM: ft

Draw Down & Recovery

1003345437 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 30

Test Level: 18.360000610351562

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003345438 Test Type: Recovery

Test Duration: 30

Test Level: 8.770000457763672

Test Level UOM: ft

Draw Down & Recovery

1003345420 Pump Test Detail ID: Test Type: Recovery

Test Duration:

Test Level: 14.1899995803833

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003345421 Draw Down Test Type:

Test Duration: 2

Test Level: 14.079999923706055

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003345427 Draw Down Test Type:

Test Duration: 5 Test Level: 16.5 Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003345440

 Test Type:
 Recovery

 Test Duration:
 40

 Test Level:
 8.75

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003345441

 Test Type:
 Draw Down

 Test Duration:
 50

 Test Level:
 18.5

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:1003345422Test Type:Recovery

Test Duration: 2

Test Level: 11.630000114440918

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003345428Test Type:Recovery

Test Duration:

Test Level: 9.260000228881836

Test Level UOM: ft

Water Details

Water ID: 1003345415

 Layer:
 1

 Kind Code:
 8

 Kind:
 Untested

 Water Found Depth:
 21.0

 Water Found Depth UOM:
 ft

Hole Diameter

 Hole ID:
 1003345413

 Diameter:
 6.125

 Depth From:
 20.0

 Depth To:
 44.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

Hole Diameter

 Hole ID:
 1003345412

 Diameter:
 6.25

 Depth From:
 2.0

 Depth To:
 20.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

Distance (III) (I

<u>Links</u>

 Bore Hole ID:
 1003330554
 Tag No:
 A100877

 Depth M:
 13.4112
 Contractor:
 1805

 Year Completed:
 2010
 Path:
 715\71506

 Year Completed:
 2010
 Path:
 715\7150671.pdf

 Well Completed Dt:
 2010/08/26
 Latitude:
 44.2427965066095

 Audit No:
 Z115170
 Longitude:
 -77.3929739461716

19 1 of 2 NNE/0.0 127.7 / 8.20 HARMONY RD RR1 lot 10 con 5 CORBYVILLE ON WWIS

OORDIVIELE

Well ID: 2920485 Flowing (Y/N):
Construction Date: Flow Rate:

Use 1st: Commerical Data Entry Status:

 Use 2nd:
 Data Src:
 1

 Final Well Status:
 Water Supply
 Date Received:
 12-Nov-2004 00:00:00

Water Type: Selected Flag: TRUE Casing Material: Abandonment Rec:

Casing Material:

Audit No: Z17500 Contractor: 1805

Torr. A017330 Form Moreign: 3

Tag: A017339 Form Version: 3
Constructn Method: Owner:

Elevation (m):County:HASTINGSElevatn Reliabilty:Lot:010Depth to Bedrock:Concession:05

Well Depth: Concession. CON
Overburden/Bedrock: Easting NAD83:
Pump Rate: Northing NAD83:

Pump Rate:Northing NAD83:Static Water Level:Zone:Clear/Cloudy:UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/292\2920485.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 2004/10/08

 Year Completed:
 2004

 Depth (m):
 29.26

 Latitude:
 44.2479221733955

 Longitude:
 -77.3915411145839

 Path:
 292\2920485.pdf

Bore Hole Information

Bore Hole ID: 11174933 Elevation: DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 309059.00

 Code OB Desc:
 North83:
 4902191.00

 Open Hole:
 Org CS:
 UTM83

 Cluster Kind:
 UTMRC:
 3

Date Completed: 08-Oct-2004 00:00:00 **UTMRC Desc:** margin of error : 10 - 30 m

Order No: 23021600530

Remarks: Location Method: wwr

Loc Method Desc: on Water Well Record

Elevrc Desc:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 932975697

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

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 21.329999923706055 Formation End Depth: 29.260000228881836

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

932975695 Formation ID:

Layer: 5 Color: 2 **GREY** General Color: Mat1: 05 Most Common Material: CLAY Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 14 Mat3 Desc: **HARDPAN**

Formation Top Depth: 7.309999942779541 Formation End Depth: 16.450000762939453

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 932975696

6 Layer: 2 Color: General Color: **GREY** 05 Mat1: Most Common Material: CLAY Mat2: 13

BOULDERS Mat2 Desc:

Mat3:

Mat3 Desc:

Formation Top Depth: 16.450000762939453 21.329999923706055 Formation End Depth:

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

932975692 Formation ID:

Layer: 6 Color:

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

Mat3: 12

Mat3 Desc: STONES

 Formation Top Depth:
 0.30000001192092896

 Formation End Depth:
 3.0399999618530273

Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 932975693

 Layer:
 3

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 73

 Mat2 Desc:
 HARD

Mat3: Mat3 Desc:

 Formation Top Depth:
 3.0399999618530273

 Formation End Depth:
 5.789999961853027

Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 932975691

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 02

 Most Common Material:
 TOPSOIL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0

Formation End Depth: 0.30000001192092896

Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 932975694

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 13

Mat2 Desc:BOULDERSMat3:73

 Mat3 Desc:
 HARD

 Formation Top Depth:
 5.789999961853027

Formation Top Depth: 5.789999961853027 **Formation End Depth:** 7.309999942779541

Formation End Depth UOM: m

Annular Space/Abandonment

Sealing Record

Plug ID: 933256326

Layer: 2

Plug From: 7.619999885559082

Plug To: 0.0 Plug Depth UOM: m

Annular Space/Abandonment

Sealing Record

Plug ID: 933256325

Layer: 1

 Plug From:
 9.140000343322754

 Plug To:
 7.619999885559082

Plug Depth UOM: m

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962920485

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 11183452

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930846356

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

Depth From: 0.0

 Depth To:
 21.329999923706055

 Casing Diameter:
 15.550000190734863

Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Casing

Casing ID: 930846357

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

 Depth From:
 21.329999923706055

 Depth To:
 29.260000228881836

Casing Diameter:
Casing Diameter UOM:

Casing Depth UOM: m

Results of Well Yield Testing

Pumping Test Method Desc: PUMP Pump Test ID: 11191233

 Pump Set At:
 28.68000030517578

 Static Level:
 8.350000381469727

 Final Level After Pumping:
 17.260000228881836

 Recommended Pump Depth:
 28.649999618530273

 Pumping Rate:
 7.539999961853027

Flowing Rate:

Recommended Pump Rate: 1.659999966621399

Levels UOM:mRate UOM:LPMWater State After Test Code:1Water State After Test:CLEARPumping Test Method:1Pumping Duration HR:1Pumping Duration MIN:0

Flowing:

Draw Down & Recovery

Pump Test Detail ID:11229508Test Type:Recovery

Test Duration: 10

Test Level: 15.260000228881836

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11229516
Test Type: Recovery

Test Duration: 30

Test Level: 13.3100004196167

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:11229131Test Type:Draw Down

Test Duration:

Test Level: 9.520000457763672

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:11229130Test Type:Recovery

Test Duration:

Test Level: 16.549999237060547

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:11229502Test Type:Recovery

Test Duration:

Test Level: 16.360000610351562

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:11229504Test Type:Recovery

Test Duration: 4

Test Level: 16.18000030517578

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 11229507 Test Type: Draw Down

Test Duration: 10

Test Level: 11.220000267028809

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11229127 Draw Down Test Type:

Test Duration:

8.90999984741211 Test Level:

Test Level UOM: m

Draw Down & Recovery

11229129 Pump Test Detail ID: Test Type: Draw Down

Test Duration:

9.1899995803833 Test Level:

Test Level UOM: m

Draw Down & Recovery

11229510 Pump Test Detail ID: Test Type: Recovery Test Duration:

14.699999809265137 Test Level:

Test Level UOM: m

Draw Down & Recovery

11229511 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 20

13.010000228881836 Test Level:

Test Level UOM:

Draw Down & Recovery

11229522 Pump Test Detail ID: Test Type: Recovery Test Duration: 60

Test Level: 11.729999542236328

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11229503 Test Type: Draw Down

Test Duration:

9.819999694824219 Test Level:

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 11229128 Test Type: Recovery

Test Duration:

16.75 Test Level: Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11229512 Test Type: Recovery 20

Test Duration:

Test Level: 14.130000114440918

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11229513 Test Type: Draw Down

Test Duration: 25

13.739999771118164 Test Level:

Test Level UOM: m

Draw Down & Recovery

11229514 Pump Test Detail ID: Test Type: Recovery

Test Duration: 25

Test Level: 13.680000305175781

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11229521 Test Type: Draw Down

Test Duration: 60

Test Level: 17.260000228881836

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11229509 Test Type: Draw Down

Test Duration: 15

Test Level: 12.170000076293945

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11229520 Test Type: Recovery Test Duration: 50

12.15999984741211 Test Level:

Test Level UOM: m

Draw Down & Recovery

11229505 Pump Test Detail ID: Test Type: Draw Down

Test Duration:

10.109999656677246 Test Level:

Test Level UOM: m

Draw Down & Recovery

11229515 Pump Test Detail ID: Draw Down Test Type:

Test Duration: 30

14.390000343322754 Test Level:

Test Level UOM: m

Draw Down & Recovery

11229518 Pump Test Detail ID: Recovery Test Type: Test Duration: 40

Test Level: 12.649999618530273

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 11229519 Test Type: Draw Down

Test Duration: 50

16.440000534057617 Test Level:

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11229517 Test Type: Draw Down

Test Duration: 40

Test Level: 15.520000457763672

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 11229506 Test Type: Recovery 5

Test Duration:

Test Level: 16.020000457763672

Test Level UOM: m

Water Details

Water ID: 934052696

Layer: 2 Kind Code: **FRESH** Kind:

Water Found Depth: 22.549999237060547

Water Found Depth UOM:

Water Details

Water ID: 934052695

Layer: 1 Kind Code: **FRESH** Kind:

Water Found Depth: 21.329999923706055

Water Found Depth UOM:

Hole Diameter

11308622 Hole ID:

Diameter: 15.550000190734863

Depth From: 0.0

Depth To: 21.329999923706055

Hole Depth UOM: Hole Diameter UOM: cm

Hole Diameter

Hole ID: 11308621

15.229999542236328 Diameter: Depth From: 21.329999923706055 Depth To: 29.260000228881836

Hole Depth UOM: m Hole Diameter UOM: cm

Links

Bore Hole ID: 11174933 Tag No: A017339 Depth M: 29.26 Contractor: 1805

Path: 292\2920485.pdf Year Completed: 2004 2004/10/08 44.2479221733955 Well Completed Dt: Latitude: Audit No: Z17500 Longitude: -77.3915411145839

NNE/0.0 501 HARMONY ROAD lot 10 con 5 19 2 of 2 127.7 / 8.20 **CORBYVILLE ON**

WWIS

Order No: 23021600530

12-Jan-2010 00:00:00

Well ID: 7137686 Flowing (Y/N): Construction Date: Flow Rate:

Use 1st: Data Entry Status: Use 2nd: Data Src:

Final Well Status: Abandoned-Other Date Received:

Water Type: Selected Flag: TRUE Casing Material: Abandonment Rec:

Z107590 Audit No: 7329 Contractor:

Tag: Form Version: Constructn Method: Owner:

Elevation (m): County: **HASTINGS** Elevatn Reliabilty: Lot: 010 Concession: Depth to Bedrock: 05 Well Depth: Concession Name: CON

Overburden/Bedrock: Easting NAD83: Northing NAD83: Pump Rate:

Static Water Level: Zone: UTM Reliability:

Clear/Cloudy: Municipality: THURLOW TOWNSHIP

Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/713\7137686.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 2010/01/06 Year Completed: 2010

Depth (m):

Latitude: 44.2479221733955 Longitude: -77.3915411145839 713\7137686.pdf Path:

Bore Hole Information

Elevation:

18

wwr

309059.00

UTM83

4902191.00

margin of error: 30 m - 100 m

Order No: 23021600530

Elevrc:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

Zone:

Bore Hole ID: 1002918575

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

Date Completed: 06-Jan-2010 00:00:00

Remarks:

Loc Method Desc: on Water Well Record

Elevrc Desc:

Cluster Kind:

Location Source Date:

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

Supplier Comment:

Annular Space/Abandonment

Sealing Record

Plug ID: 1003015761

Layer:

 Plug From:
 2.180000066757202

 Plug To:
 29.649999618530273

Plug Depth UOM:

Annular Space/Abandonment

Sealing Record

Plug ID: 1003015760

Layer:

 Plug From:
 1.470000286102295

 Plug To:
 2.180000066757202

Plug Depth UOM: m

Annular Space/Abandonment

Sealing Record

Plug ID: 1003015759

Layer: 1 Plug From: 0.0

Plug To: 1.4700000286102295

Plug Depth UOM:

Annular Space/Abandonment

Sealing Record

Plug ID: 1003015762

Layer:

 Plug From:
 29.649999618530273

 Plug To:
 30.010000228881836

Plug Depth UOM: m

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003015766

Method Construction Code: Method Construction: Other Method Construction:

Pipe Information

 Pipe ID:
 1003015756

 Casing No:
 0

Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003015764

Layer: Material:

Open Hole or Material:

Depth From: Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:

cm m

m

cm

Construction Record - Screen

Screen ID: 1003015765

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM: Screen Diameter UOM:

Screen Diameter:

Water Details

Water ID: 1003015763

Layer: Kind Code: Kind:

Water Found Depth: Water Found Depth UOM: m

Hole Diameter

Hole ID: 1003015758

Diameter: Depth From: Depth To:

Hole Depth UOM: m
Hole Diameter UOM: cm

<u>Links</u>

Bore Hole ID: 1002918575 **Tag No:**

Depth M: Contractor: 7329

 Year Completed:
 2010
 Path:
 713\7137686.pdf

 Well Completed Dt:
 2010/01/06
 Latitude:
 44.2479221733955

 Audit No:
 Z107590
 Longitude:
 -77.3915411145839

20 1 of 7 S/0.0 107.8 / -11.70 Black Bear Ridge Inc

Lot: 9, 10, 11, Concession: 5, 501 Harmony Road, Geographic Township of Thurlow, City of

Order No: 23021600530

PTTW

Number of Direction/ Elev/Diff Site DΒ Map Key

Records Distance (m) (m)

Belleville, County of Hastings CITY OF

BELLEVILLE ON

EBR Registry No: 011-6066 **Decision Posted:** Ministry Ref No: 7338-8T2KSJ **Exception Posted:** Instrument Decision Notice Type: Section:

Notice Stage: Act 1: January 10, 2014 Notice Date: Act 2:

Proposal Date: April 05, 2012 Site Location Map:

Year: 2012

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

Off Instrument Name:

Posted By:

Company Name: Black Bear Ridge Inc

Site Address: Location Other: Proponent Name:

501 Harmony Road, Post Office Box Delivery 1418, Belleville Ontario, Canada K0K 1V0 Proponent Address:

Comment Period:

URL:

Site Location Details:

Lot: 9, 10, 11, Concession: 5, 501 Harmony Road, Geographic Township of Thurlow, City of Belleville, County of Hastings CITY OF BELLEVILLE

20 2 of 7 S/0.0 107.8 / -11.70 Black Bear Golf Club

501 Harmony Rd Corbyville ON K0K 1V0 **GEN**

Order No: 23021600530

Generator No: ON9470627 SIC Code: 713910

GOLF COURSES AND COUNTRY CLUBS SIC Description:

Approval Years: 2016

PO Box No:

Country: Canada

Status:

Co Admin:

Choice of Contact: CO_OFFICIAL

Phone No Admin: Contaminated Facility: No MHSW Facility: No

Detail(s)

Waste Class: 252

Waste Class Name: WASTE OILS & LUBRICANTS

20 3 of 7 S/0.0 107.8 / -11.70 Black Bear Golf Club **GEN**

501 Harmony Rd Corbyville ON K0K 1V0

Generator No: ON9470627

SIC Code:

SIC Description:

As of Dec 2018 Approval Years:

PO Box No: Country: Canada Status: Registered

Co Admin: Choice of Contact:

DB Map Key Number of Direction/ Elev/Diff Site Records Distance (m) (m) Phone No Admin: Contaminated Facility: MHSW Facility: Detail(s) Waste Class: 252 L Waste crankcase oils and lubricants Waste Class Name: 107.8 / -11.70 4 of 7 S/0.0 Black Bear Golf Club 20 **GEN** 501 Harmony Rd Corbyville ON K0K 1V0 Generator No: ON9470627 SIC Code: SIC Description: Approval Years: As of Jul 2020 PO Box No: Country: Canada Status: Registered Co Admin: **Choice of Contact:** Phone No Admin: Contaminated Facility: MHSW Facility: Detail(s) Waste Class: 252 L Waste Class Name: Waste crankcase oils and lubricants **20** 5 of 7 S/0.0 107.8 / -11.70 Black Bear Golf Club **GEN** 501 Harmony Rd Corbyville ON K0K 1V0 Generator No: ON9470627 SIC Code: SIC Description: Approval Years: As of Nov 2021 PO Box No: Country: Canada Status: Registered Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility: Detail(s) Waste Class: Waste Class Name: Waste crankcase oils and lubricants 20 6 of 7 S/0.0 107.8 / -11.70 Black Bear Ridge GP Inc. **PTTW** 501 Harmony Road Lot 9 to 11, Concession 5

Belleville, ON Canada

April 4, 2022

Section 34

Order No: 23021600530

ON

Section:

Decision Posted:

Exception Posted:

019-4534

Instrument

0888-C75RT2

EBR Registry No:

Ministry Ref No:

Notice Type:

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

Records Distance (m)

Ontario Water Resources Act, R.S.O. 1990 Notice Stage: Decision Act 1:

Notice Date: Ontario Water Resources Act Act 2: October 25, 2021 Proposal Date: Site Location Map: 44.239692,-77.393015

2021 Year:

Instrument Type: Permit to take water

Permit to Take Water (OWRA s. 34) Off Instrument Name:

Posted By: Ministry of the Environment, Conservation and Parks

Company Name:

Site Address: 501 Harmony Road Lot 9 to 11, Concession 5

Belleville, ON Canada

Location Other:

Proponent Name: Black Bear Ridge GP Inc. Black Bear Ridge GP Inc. Proponent Address: 501 Harmony Road

Belleville, ON K0K 1V0 Canada

Comment Period: October 25, 2021 - November 24, 2021 (30 days) Closed

URL: https://ero.ontario.ca/notice/019-4534

Site Location Details:

S/0.0 107.8 / -11.70 BLACK BEAR RIDGE GP INC 20 7 of 7

> **501 HARMONY ROAD CORBYVILLE ON KOK 1V0**

GEN

Order No: 23021600530

Generator No: ON4529527

SIC Code: SIC Description:

As of Oct 2022 Approval Years:

PO Box No:

Country: Canada Registered Status: Co Admin:

Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:

Detail(s)

Waste Class:

Waste Class Name: WASTE OILS & LUBRICANTS

1 of 1 S/0.0 108.8 / -10.70 lot 9 con 5 21 **WWIS** ON

Well ID: 2905402 Flowing (Y/N): **Construction Date:** Flow Rate:

Use 1st: Domestic Data Entry Status:

Use 2nd: Data Src: Water Supply 22-Oct-1971 00:00:00 Final Well Status: Date Received:

Water Type: Selected Flag: TRUE Casing Material: Abandonment Rec:

Audit No: Contractor: 3516 Form Version: 1

Constructn Method: Owner: Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

 Elevation (m):
 County:
 HASTINGS

 Elevatn Reliabilty:
 Lot:
 009

 Depth to Bedrock:
 Concession:
 05

 Well Depth:
 Concession Name:
 CON

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

Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2905402.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1971/08/18

 Year Completed:
 1971

 Depth (m):
 13.4112

 Latitude:
 44.2403557196431

 Longitude:
 -77.3921623849636

 Path:
 290\2905402.pdf

Bore Hole Information

Bore Hole ID: 10161005 Elevation:

DP2BR: Elevrc: Spatial Status: Zone:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 308984.90

 Code OB Desc:
 North83:
 4901352.00

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 18-Aug-1971 00:00:00 **UTMRC Desc:** margin of error : 30 m - 100 m

Order No: 23021600530

Remarks: Location Method: p4

Loc Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

 Formation ID:
 931469508

 Layer:
 2

 Color:
 2

 General Color:
 GREY

General Color: GREY Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 37.0 Formation End Depth: 44.0 Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931469507

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 11

 Mat2 Desc:
 GRAVEL

 Mat3:
 13

BOULDERS

Formation Top Depth: 0.0
Formation End Depth: 37.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Mat3 Desc:

Method Construction ID:962905402Method Construction Code:1Method Construction:Cable Tool

Other Method Construction:

Pipe Information

Alt Name:

 Pipe ID:
 10709575

 Casing No:
 1

 Comment:
 1

Construction Record - Casing

 Casing ID:
 930275157

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 37.0

Depth To: 37.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

 Casing ID:
 930275158

 Layer:
 2

Material: 4

Open Hole or Material: OPEN HOLE

Depth From:
Depth To: 44.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc:BAILERPump Test ID:992905402

Pump Set At:

Static Level:20.0Final Level After Pumping:32.0Recommended Pump Depth:41.0Pumping Rate:20.0

Flowing Rate:

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

Recommended Pump Rate: 8.0 Levels UOM: ft **GPM** Rate UOM: Water State After Test Code: 1 Water State After Test: **CLEAR** Pumping Test Method: 2 **Pumping Duration HR:** 1 0 **Pumping Duration MIN:** No

Water Details

Flowing:

933618979 Water ID:

Layer: Kind Code:

FRESH Kind:

Water Found Depth:

ft Water Found Depth UOM:

<u>Links</u>

Bore Hole ID: 10161005 Tag No: Depth M: 13.4112 Contractor:

1971 Path: 290\2905402.pdf Year Completed: Well Completed Dt: 1971/08/18 Latitude: 44.2403557196431 Longitude: -77.3921623849636

Audit No:

E/147.6 112.5 / -7.05 501 HARMONY RD RR1 lot 11 con 5 22 1 of 1 CORBYVILLE ON

Flowing (Y/N):

Data Entry Status:

Abandonment Rec:

Concession Name: Easting NAD83:

Northing NAD83:

UTM Reliability:

Date Received:

Selected Flag:

Form Version:

Concession:

Contractor:

Owner:

County:

Lot:

Zone:

Flow Rate:

Data Src:

3516

TRUE

1805

HASTINGS

7

011

05 CON

03-May-2010 00:00:00

WWIS

Order No: 23021600530

Well ID: 7144282

Construction Date:

Domestic Use 1st:

Use 2nd: Final Well Status: Water Supply

Water Type:

Casing Material:

Audit No: Z098430 A085766 Tag:

Constructn Method: Elevation (m):

Elevatn Reliabilty: Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate:

Static Water Level: Clear/Cloudy:

THURLOW TOWNSHIP Municipality:

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7144282.pdf

Additional Detail(s) (Map)

Well Completed Date: 2010/04/22 2010 Year Completed: Depth (m): 12.192

Latitude: 44.2454617935506 -77.3847784418485 Longitude: 714\7144282.pdf Path:

Elevation:

18

gis

309591.00

4901902.00 UTM83

margin of error: 30 m - 100 m

Order No: 23021600530

Elevrc:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

Zone:

Bore Hole Information

Bore Hole ID: 1002970519

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

Date Completed: 22-Apr-2010 00:00:00

Remarks:

Loc Method Desc: from gis

Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

Formation ID: 1003159963

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc:

 Mat3:
 66

 Mat3 Desc:
 DENSE

 Formation Top Depth:
 1.0

 Formation End Depth:
 9.0

 Formation End Depth UOM:
 ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003159967

 Layer:
 6

 Color:
 2

 General Color:
 GREY

 Mat1:
 17

 Most Common Material:
 SHALE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 27.0 Formation End Depth: 28.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003159964

 Layer:
 3

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

erisinfo.com | Environmental Risk Information Services

 Mat2:
 11

 Mat2 Desc:
 GRAVEL

 Mat3:
 12

 Mat3 Desc:
 STONES

 Formation Top Depth:
 9.0

 Formation End Depth:
 12.0

 Formation End Depth UOM:
 ft

Overburden and Bedrock Materials Interval

Formation ID: 1003159968

 Layer:
 7

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 28.0 Formation End Depth: 40.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003159962

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 02

 Most Common Material:
 TOPSOIL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 1.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003159965

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 13

Mat2 Desc: BOULDERS

Mat3:

Mat3 Desc:

Formation Top Depth: 12.0 Formation End Depth: 20.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003159966

 Layer:
 5

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 20.0 Formation End Depth: 27.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1003159971

 Layer:
 1

 Plug From:
 0.0

 Plug To:
 20.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003160003

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 1003159960

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1003159974

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:28.0Depth To:40.0Casing Diameter:6.125Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 1003159973

Layer: 1
Material: 1

 Open Hole or Material:
 STEEL

 Depth From:
 2.0

 Depth To:
 28.0

 Casing Diameter:
 6.25

 Casing Diameter UOM:
 inch

 Casing Depth UOM:
 ft

Construction Record - Screen

Screen ID: 1003159975

Layer: Slot:

Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch

Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:

 Pump Test ID:
 1003159961

 Pump Set At:
 23.0

 Static Level:
 4.789999961853027

 Final Level After Pumping:
 12.380000114440918

Recommended Pump Depth: 38.0 Pumping Rate: 20.0

Flowing Rate:

Recommended Pump Rate:

Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 0
Pumping Duration HR: 1

Pumping Duration MIN:

Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1003159981 Test Type: Recovery

Test Duration: 3

Test Level: 9.390000343322754

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003159983
Test Type: Recovery

Test Duration: 4

Test Level: 9.149999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003159986Test Type:Draw Down

Test Duration: 10

Test Level: 9.640000343322754

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003160001Test Type:RecoveryTest Duration:60

Test Level: 6.239999771118164

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003159984Test Type:Draw Down

Test Duration: 5

Test Level: 8.789999961853027

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003159989
Test Type: Recovery

Test Duration: 15

Test Level: 7.809999942779541

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003159977Test Type:Recovery

Test Duration: 1

Test Level: 10.149999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003159979
Test Type: Recovery

Test Duration: 2

Test Level: 9.6899995803833

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003159982Test Type:Draw Down

Test Duration: 4

Test Level: 8.550000190734863

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003159985 Test Type: Recovery

Test Duration: 5

Test Level: 8.949999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003159991
Test Type: Recovery

Test Duration: 20

Test Level: 7.480000019073486

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003159999Test Type:RecoveryTest Duration:50

Test Level: 6.429999828338623

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1003159978Test Type:Draw Down

Test Duration: 2

Test Level: 7.909999847412109

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003159980Test Type:Draw Down

Test Duration: 3

Test Level: 8.270000457763672

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003159988Test Type:Draw Down

Test Duration: 15

Test Level: 10.220000267028809

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003159993Test Type:RecoveryTest Duration:25

Test Level: 7.21999979019165

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003159998
Test Type: Draw Down

Test Duration: 50

Test Level: 12.09000015258789

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003160000Test Type:Draw Down

Test Duration: 60

Test Level: 12.380000114440918

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003159990Test Type:Draw Down

20 Test Duration:

Test Level: 10.65999984741211

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003159994 Test Type: Draw Down

Test Duration: 30

Test Level: 11.3100004196167

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003159995 Test Type: Recovery Test Duration: 30

7.010000228881836 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003159997 Test Type: Recovery

Test Duration: 40

6.690000057220459 Test Level:

Test Level UOM: ft

Draw Down & Recovery

1003159996 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 40

Test Level: 11.760000228881836

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003159987 Recovery Test Type:

Test Duration: 10

8.260000228881836 Test Level:

Test Level UOM:

Draw Down & Recovery

1003159992 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 25

Test Level: 11.020000457763672

Test Level UOM:

Draw Down & Recovery

1003159976 Pump Test Detail ID: Test Type: Draw Down

Test Duration:

Test Level: 7.369999885559082

Test Level UOM: ft

Water Details

Water ID: 1003159972

ft

Layer: Kind Code: **FRESH** Kind: 29.0 Water Found Depth:

Hole Diameter

Water Found Depth UOM:

Hole ID: 1003159969 Diameter: 6.25 Depth From: 2.0 Depth To: 28.0 Hole Depth UOM: ft Hole Diameter UOM: inch

Hole Diameter

Hole ID: 1003159970 Diameter: 6.125 Depth From: 28.0 40.0 Depth To: Hole Depth UOM: ft Hole Diameter UOM: inch

Links

Bore Hole ID: 1002970519 Tag No: A085766 12.192 Depth M: Contractor: 1805

Year Completed: 2010 Path: 714\7144282.pdf Well Completed Dt: 2010/04/22 Latitude: 44.2454617935506 Audit No: Z098430 -77.3847784418485 Longitude:

SSW/0.0 1 of 1 109.8 / -9.70 **23** lot 9 con 5 **WWIS** ON

Well ID: 2903191 Flowing (Y/N): **Construction Date:** Flow Rate:

Use 1st: Domestic Data Entry Status:

Use 2nd: Data Src:

Final Well Status: Water Supply Date Received: 07-Sep-1967 00:00:00 Water Type: Selected Flag: TRUE

Casing Material: Abandonment Rec: Audit No: Contractor: 1805

Tag: Form Version:

Constructn Method: Owner: Elevation (m): County: **HASTINGS**

Elevatn Reliabilty: Lot: 009 Depth to Bedrock: Concession: 05 Well Depth: Concession Name: CON

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83: Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

THURLOW TOWNSHIP

Municipality: Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2903191.pdf PDF URL (Map):

Additional Detail(s) (Map)

1967/08/08 Well Completed Date: 1967 Year Completed: Depth (m): 12.192

44.2399406317016 Latitude: Longitude: -77.3952137234408 Path: 290\2903191.pdf

Bore Hole Information

10158849 Bore Hole ID: Elevation:

DP2BR: Elevrc: Spatial Status: Zone:

18 Code OB: East83: 308739.90 Code OB Desc: North83: 4901313.00

Open Hole: Org CS: Cluster Kind: UTMRC:

5 Date Completed: 08-Aug-1967 00:00:00 UTMRC Desc:

margin of error : 100 m - 300 m

Remarks: Location Method: Loc Method Desc: Original Pre1985 UTM Rel Code 5: margin of error: 100 m - 300 m

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931463556

Layer:

Color:

General Color:

Mat1: 15

LIMESTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 10.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931463557

Layer:

Color:

General Color:

Mat1:

Most Common Material: **GRAVEL** Mat2:

Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 10.0 Formation End Depth: 30.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931463558

Layer: 3
Color: 6
Consert Color: PE

General Color: BROWN **Mat1:** 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 30.0 Formation End Depth: 40.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962903191

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10707419

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930271194

Layer: 2

Material:

Open Hole or Material: OPEN HOLE

Depth From:
Depth To: 40.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930271193

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

Depth From:

Depth To:31.0Casing Diameter:6.0Casing Diameter UOM:inch

Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc:PUMPPump Test ID:992903191

Pump Set At:

Static Level: 20.0

Map Key	Number Record		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Final Level A Recommend Pumping Rate Flowing Rate Recommend Levels UOM: Water State A Water State A Pumping Dun Pumping Dun Flowing: Water Details Water ID: Layer: Kind Code: Kind: Water Found Water Found	ed Pump D te: ed Pump R After Test C After Test: st Method: ration HR: ration MIN:	epth: Pate: Code:	25.0 35.0 15.0 10.0 ft GPM 1 CLEAR 1 2 0 No				
Links Bore Hole ID Depth M: Year Comple Well Comple Audit No:	eted:	1015884 12.192 1967 1967/08/			Tag No: Contractor: Path: Latitude: Longitude:	1805 290\2903191.pdf 44.2399406317016 -77.3952137234408	
24 Well ID: Construction	1 of 1 n Date:	7168720		113.1 / -6.43	501 HARMONY RD RI CORBYVILLE ON Flowing (Y/N): Flow Rate:	R1 lot 11 con 5	wwis
Use 1st: Use 2nd: Final Well Si Water Type: Casing Mate Audit No: Tag: Constructn i Elevation (m Elevatin Relii Depth to Bee Well Depth: Overburden, Pump Rate: Static Water Clear/Cloudy Municipality: Site Info:	Method: a): abilty: drock: /Bedrock: Level:	Water Su Z132240 A116927	upply	SHIP	Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: County: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	15-Sep-2011 00:00:00 TRUE 1805 7 HASTINGS 011 05 CON	
PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/716\7168720.pdf Additional Detail(s) (Map)							
Additional De	canto) (Ma	₽/					

Order No: 23021600530

 Well Completed Date:
 2011/08/26

 Year Completed:
 2011

 Depth (m):
 13.4112

 Latitude:
 44.2453069348674

 Longitude:
 -77.3844340265249

 Path:
 716\7168720.pdf

Bore Hole Information

 Bore Hole ID:
 1003567700
 Elevation:

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 309618.00

 Code OB Desc:
 North83:
 4901884.00

 Open Hole:
 Org CS:
 UTM83

 Cluster Kind:
 UTMRC:
 3

Date Completed: 26-Aug-2011 00:00:00 **UTMRC Desc:** margin of error : 10 - 30 m

Remarks: Location Method: w
Loc Method Desc: on Water Well Record

Location Source Date:

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

Overburden and Bedrock

Materials Interval

Elevrc Desc:

Formation ID: 1003941690

 Layer:
 6

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 36.0 Formation End Depth: 44.0

Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003941688

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 31.0
Formation End Depth: 33.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003941685

Layer: 1

Color: 6 General Color: **BROWN** Mat1: 05 Most Common Material: CLAY Mat2: **GRAVEL** Mat2 Desc: Mat3: 12 Mat3 Desc: **STONES** Formation Top Depth: 0.0 Formation End Depth: 17.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003941687

Layer: 3 2 Color: General Color: **GREY** 05 CLAY Most Common Material: Mat2: 11 **GRAVEL** Mat2 Desc: Mat3: 73 Mat3 Desc: **HARD** Formation Top Depth: 28.0 Formation End Depth: 31.0 Formation End Depth UOM:

Overburden and Bedrock Materials Interval

Formation ID: 1003941686

Layer: 2 Color: **GREY** General Color: Mat1: 05 Most Common Material: CLAY Mat2: Mat2 Desc: **GRAVEL** Mat3: 12 Mat3 Desc: **STONES** Formation Top Depth: 17.0 Formation End Depth: 28.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003941689

 Layer:
 5

 Color:
 2

 General Color:
 GREY

 Mat1:
 17

 Most Common Material:
 SHALE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 33.0 Formation End Depth: 36.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1003941725

 Layer:
 1

 Plug From:
 0.0

 Plug To:
 23.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:1003941724Method Construction Code:1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 1003941683

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1003941694

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 -2.0

 Depth To:
 36.5

 Casing Diameter:
 6.25

 Casing Diameter UOM:
 inch

 Casing Depth UOM:
 ft

Construction Record - Casing

Casing ID: 1003941695

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 44.0
Casing Diameter: 6.125
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1003941696

Layer:

Slot:

Screen Top Depth: Screen End Depth: Screen Material:

Screen Depth UOM: ft Screen Diameter UOM: inch

Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:

1003941684 Pump Test ID: Pump Set At:

11.40999984741211 Static Level:

Final Level After Pumping: 16.1299991607666

Recommended Pump Depth: 40.0 Pumping Rate: 20.0 Flowing Rate: Recommended Pump Rate: 15.0 Levels UOM: ft

GPM Rate UOM: Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: 0 Pumping Duration HR: 1 **Pumping Duration MIN:** 0

Flowing:

Draw Down & Recovery

1003941700 Pump Test Detail ID: Recovery Test Type:

Test Duration:

14.430000305175781 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003941705 Test Type: Draw Down

Test Duration:

Test Level: 13.739999771118164

Test Level UOM:

Draw Down & Recovery

1003941706 Pump Test Detail ID: Test Type: Recovery

Test Duration:

14.119999885559082 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003941715 Test Type: Draw Down

Test Duration: 30

15.210000038146973 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003941722 Test Type: Recovery Test Duration: 60

12.470000267028809 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003941697 Test Type: Draw Down

Test Duration:

Test Level: 13.079999923706055

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003941702 Recovery Test Type:

Test Duration:

14.34000015258789 Test Level:

Test Level UOM: ft

Draw Down & Recovery

1003941707 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 10

14.1899995803833 Test Level:

Test Level UOM: ft

Draw Down & Recovery

1003941718 Pump Test Detail ID: Test Type: Recovery 40

Test Duration:

12.789999961853027 Test Level:

Test Level UOM: ft

Draw Down & Recovery

1003941699 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 2

Test Level: 13.3100004196167

Test Level UOM: ft

Draw Down & Recovery

1003941710 Pump Test Detail ID: Test Type: Recovery Test Duration: 15 Test Level: 13.5 Test Level UOM: ft

Draw Down & Recovery

1003941721 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 60

16.1299991607666 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003941709 Test Type: Draw Down

Test Duration:

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

14.520000457763672 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003941712 Test Type: Recovery 20

Test Duration:

Test Level: 13.3100004196167

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003941717 Test Type: Draw Down

Test Duration: 40

15.539999961853027 Test Level:

Test Level UOM: ft

Draw Down & Recovery

1003941719 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 50

Test Level: 15.869999885559082

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003941720 Test Type: Recovery

Test Duration: 50

Test Level: 12.609999656677246

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003941701 Test Type: Draw Down

Test Duration: 3

Test Level: 13.430000305175781

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003941708 Test Type: Recovery

Test Duration: 10

13.760000228881836 Test Level:

Test Level UOM: ft

Draw Down & Recovery

1003941711 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 20

14.789999961853027 Test Level:

Test Level UOM: ft

Draw Down & Recovery

1003941698 Pump Test Detail ID: Recovery Test Type:

Test Duration:

14.6899995803833 Test Level:

Test Level UOM: ft

Draw Down & Recovery

1003941703 Pump Test Detail ID: Draw Down Test Type:

Test Duration: 4

Test Level: 13.670000076293945

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003941704 Test Type: Recovery

Test Duration:

14.220000267028809 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003941714 Test Type: Recovery

Test Duration: 25

Test Level: 13.140000343322754

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003941716 Test Type: Recovery 30

Test Duration:

Test Level: 13.020000457763672

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003941713 Test Type: Draw Down

Test Duration: 25

15.010000228881836 Test Level:

Test Level UOM: ft

Water Details

Water ID: 1003941693

Layer: 1 Kind Code: 8

Kind: Untested Water Found Depth: 41.0 Water Found Depth UOM:

Hole Diameter

Hole ID: 1003941692

Number of Direction/ Elev/Diff Site DΒ Map Key Records Distance (m) (m) 6.125 Diameter: Depth From: 36.5 Depth To: 44.0 Hole Depth UOM: ft Hole Diameter UOM: inch Hole Diameter Hole ID: 1003941691 Diameter: 6.25 2.0 Depth From: Depth To: 36.5 Hole Depth UOM: ft Hole Diameter UOM: inch **Links** Bore Hole ID: 1003567700 Tag No: A116927 Depth M: 13.4112 Contractor: 1805 Year Completed: 2011 Path: 716\7168720.pdf 2011/08/26 Well Completed Dt: Latitude: 44.2453069348674 -77.3844340265249 Audit No: Z132240 Longitude: 25 1 of 1 E/173.9 112.8 / -6.74 501 HARMONY RD RR1 lot 11 con 5 **WWIS CORBYVILLE ON** Well ID: 7168721 Flowing (Y/N): **Construction Date:** Flow Rate: Data Entry Status: Use 1st: Domestic Use 2nd: Data Src: 15-Sep-2011 00:00:00 Final Well Status: Water Supply Date Received: Water Type: Selected Flag: TRUE Casing Material: Abandonment Rec: Z132241 1805 Audit No: Contractor: A116926 Form Version: Tag: Constructn Method: Owner: **HASTINGS** Elevation (m): County: Elevatn Reliabilty: 011 Lot: Depth to Bedrock: Concession: 05 CON Well Depth: Concession Name: Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83: Static Water Level: Zone: Clear/Cloudy: UTM Reliability: Municipality: THURLOW TOWNSHIP Site Info: https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/716\7168721.pdf PDF URL (Map): Additional Detail(s) (Map) 2011/08/18 Well Completed Date: Year Completed: 2011 Depth (m): 13.1064 Latitude: 44.2455135657031 Longitude: -77.3844549024591

Order No: 23021600530

716\7168721.pdf Path:

Bore Hole Information

1003567702 Bore Hole ID: Elevation:

Elevrc:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

18 309617.00

4901907.00

margin of error: 10 - 30 m

Order No: 23021600530

UTM83

Zone:

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

Date Completed: 18-Aug-2011 00:00:00

Remarks:

Loc Method Desc: on Water Well Record

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 1003941894

Layer: 3 Color: 2 **GREY** General Color: 05 Mat1: Most Common Material: CLAY Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 73 Mat3 Desc: **HARD** Formation Top Depth: 25.0 Formation End Depth: 31.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003941895

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 31.0
Formation End Depth: 32.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003941896

 Layer:
 5

 Color:
 2

 General Color:
 GREY

 Mat1:
 17

 Most Common Material:
 SHALE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 32.0 Formation End Depth: 33.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003941892

Layer: 1 Color: General Color: **BROWN** 05 Mat1: Most Common Material: CLAY Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 12 Mat3 Desc: **STONES** Formation Top Depth: 0.0 Formation End Depth: 17.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 1003941897

 Layer:
 6

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 33.0 Formation End Depth: 43.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003941893

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 11

 Mat2 Desc:
 GRAVEL

 Mat3.
 13

 Mat3 Desc:
 BOULDERS

 Formation Top Depth:
 17.0

Formation Top Depth: 17.0
Formation End Depth: 25.0
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1003941932

 Layer:
 1

 Plug From:
 0.0

 Plug To:
 21.0

Plug Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003941931

ft

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 1003941890

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1003941902

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From: 33.0
Depth To: 43.0
Casing Diameter: 6.125
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1003941901

Layer: 1
Material: 1
Open Hole or Material: STEEL
Poot From: -25

Depth From: -2.5
Depth To: 33.0
Casing Diameter: 6.25
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1003941903

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material:

Screen Depth UOM: ft Screen Diameter UOM: inch

Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:

Pump Test ID: 1003941891

 Pump Set At:
 23.0

 Static Level:
 10.220000267

 Static Level:
 10.220000267028809

 Final Level After Pumping:
 14.300000190734863

Recommended Pump Depth: 40.0

Pumping Rate: 22.0

Flowing Rate:

Recommended Pump Rate: 15.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: 1 Water State After Test: **CLEAR** Pumping Test Method: 0 **Pumping Duration HR:** 1 Pumping Duration MIN: 0 Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1003941905
Test Type: Recovery

Test Duration: 1

Test Level: 13.609999656677246

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003941909Test Type:Recovery

Test Duration: 3

Test Level: 13.260000228881836

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003941918Test Type:Draw Down

Test Duration: 20

Test Level: 12.920000076293945

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003941923
Test Type: Recovery

Test Duration: 30

Test Level: 11.90999984741211

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003941911Test Type:Recovery

Test Duration: 4

Test Level: 13.140000343322754

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003941915Test Type:Recovery

Test Duration: 10

Test Level: 12.680000305175781

Test Level UOM: ft

Draw Down & Recovery

1003941919 Pump Test Detail ID: Test Type: Recovery Test Duration:

20

12.199999809265137 Test Level:

Test Level UOM:

Draw Down & Recovery

1003941922 Pump Test Detail ID: Draw Down Test Type:

Test Duration: 30

Test Level: 13.390000343322754

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003941924 Test Type: Draw Down

Test Duration: 40

13.770000457763672 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003941908 Test Type: Draw Down

Test Duration: 3

Test Level: 11.449999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003941912 Test Type: Draw Down

Test Duration: 5

Test Level: 11.729999542236328

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003941914 Test Type: Draw Down

Test Duration: 10

12.239999771118164 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003941921 Test Type: Recovery

Test Duration: 25

12.050000190734863 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003941928 Draw Down Test Type:

Test Duration: 60

Test Level: 14.300000190734863

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003941929Test Type:RecoveryTest Duration:60

Test Level: 11.359999656677246

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003941904Test Type:Draw Down

Test Duration: 1

Test Level: 11.010000228881836

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003941916Test Type:Draw Down

Test Duration: 15

Test Level: 12.609999656677246

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003941920Test Type:Draw Down

Test Duration: 25

Test Level: 13.170000076293945

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003941906Test Type:Draw Down

Test Duration: 2

Test Level: 11.260000228881836

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003941913Test Type:Recovery

Test Duration: 5

Test Level: 13.050000190734863

Test Level UOM:

Draw Down & Recovery

 Pump Test Detail ID:
 1003941927

 Test Type:
 Recovery

 Test Duration:
 50

 Test Level:
 11.5

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 1003941907 Test Type: Recovery

Test Duration:

Test Level: 13.40999984741211

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003941910 Test Type: Draw Down

Test Duration:

11.600000381469727 Test Level:

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1003941917 Test Type: Recovery

Test Duration: 15

12.399999618530273 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003941925 Test Type: Recovery

Test Duration: 40

Test Level: 11.680000305175781

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003941926 Test Type: Draw Down

Test Duration: 50

Test Level: 14.0600004196167

Test Level UOM: ft

Water Details

Water ID: 1003941900

Layer: Kind Code: 8 Kind: Untested Water Found Depth: 38.0 Water Found Depth UOM:

Hole Diameter

Hole ID: 1003941898 Diameter: 6.25 Depth From: 2.5 33.0 Depth To: Hole Depth UOM: ft inch Hole Diameter UOM:

Hole Diameter

 Hole ID:
 1003941899

 Diameter:
 6.125

 Depth From:
 33.0

 Depth To:
 43.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

Links

 Bore Hole ID:
 1003567702
 Tag No:
 A116926

 Depth M:
 13.1064
 Contractor:
 1805

 Year Completed:
 2011
 Path:
 716\7168721.pdf

 Well Completed Dt:
 2011/08/18
 Latitude:
 44.2455135657031

 Audit No:
 Z132241
 Longitude:
 -77.3844549024591

26 1 of 1 E/171.2 112.9 / -6.60 501 HARMONY RD RR1 lot 11 con 5 WWIS

Well ID: 7169616 **Flowing (Y/N):**

Construction Date: Flow Rate:
Use 1st: Domestic Data Entry Status:

Use 1st: Domestic Data Entry Status
Use 2nd: Data Src:

Final Well Status: Water Supply Date Received: 06-Oct-2011 00:00:00
Water Type: Selected Flag: TRUE

Casing Material:Abandonment Rec:Audit No:Z132239Contractor:1805

Tag: A116928 Form Version: 7
Constructn Method: Owner:

Elevation (m):County:HASTINGSElevatn Reliability:Lot:011Depth to Bedrock:Concession:05Well Depth:Concession Name:CON

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

Clear/Cloudy: UTM Reliability:

Municipality:THURLOW TOWNSHIPSite Info:BBR GOLF COURSE

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/716\7169616.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 2011/09/07

 Year Completed:
 2011

 Depth (m):
 14.3256

 Latitude:
 44.2446030995408

 Longitude:
 -77.384079952343

 Path:
 716\7169616.pdf

Bore Hole Information

Bore Hole ID: 1003576823 Elevation: DP2BR: Elevro:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 309644.00

 Code OB Desc:
 North83:
 4901805.00

 Open Hole:
 Org CS:
 UTM83

 Cluster Kind:
 UTMRC:
 3

 Date Completed:
 07-Sep-2011 00:00:00
 UTMRC Desc:
 margin of error : 10 - 30 m

Order No: 23021600530

Remarks: Location Method: wwr

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

Loc Method Desc:

on Water Well Record

Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock **Materials Interval**

Formation ID: 1003983444

Layer: Color: 6 **BROWN** General Color: 05 Mat1: Most Common Material: CLAY Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 12 **STONES** Mat3 Desc: Formation Top Depth: 1.0

Overburden and Bedrock

Formation End Depth UOM:

Formation End Depth:

Materials Interval

Formation ID: 1003983447

19.0

ft

Layer: 2 Color: **GREY** General Color: Mat1: 05 Most Common Material: CLAY Mat2: 11 **GRAVEL** Mat2 Desc: Mat3: 12 Mat3 Desc: **STONES** Formation Top Depth: 36.0 Formation End Depth: 39.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

1003983449 Formation ID:

Layer: 7 Color: 2 General Color: **GREY** Mat1: 15

LIMESTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

41.0 Formation Top Depth: 47.0

Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 1003983448

 Layer:
 6

 Color:
 2

 General Color:
 GREY

 Mat1:
 17

 Most Common Material:
 SHALE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 39.0 Formation End Depth: 41.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003983446

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 33.0 Formation End Depth: 36.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003983443

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 02

 Most Common Material:
 TOPSOIL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 1.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003983445

Layer: 3 Color: 2 General Color: **GREY** Mat1: 05 Most Common Material: CLAY Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 12 Mat3 Desc: STONES Formation Top Depth: 19.0 Formation End Depth: 33.0

Formation End Depth UOM:

Annular Space/Abandonment

Sealing Record

Plug ID: 1003983484

Layer: 1

 Plug From:
 33.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003983483

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 1003983441

Casing No: 0

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1003983453

Layer: 1
Material: 1
Open Hole or Material: ST

Open Hole or Material:STEELDepth From:-2.4000000953674316

Depth To: 41.0

Casing Diameter:6.25Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 1003983454

Layer: 2

Material: 4

Open Hole or Material: OPEN HOLE

Depth From: 41.0
Depth To: 47.0
Casing Diameter: 6.125
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1003983455

Layer: Slot:

Screen Top Depth:

Screen End Depth: Screen Material:

Screen Depth UOM: ft Screen Diameter UOM: inch

Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:

Pump Test ID: 1003983442

Pump Set At: 23.0

Static Level: 14.149999618530273 Final Level After Pumping: 17.940000534057617

Recommended Pump Depth: 44.0 Pumping Rate: 20.0 Flowing Rate:

Recommended Pump Rate: 15.0 Levels UOM: ft Rate UOM: **GPM**

Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: 0 Pumping Duration HR:

Pumping Duration MIN:

Flowing:

Draw Down & Recovery

1003983462 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 4

Test Level: 15.890000343322754

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003983465 Test Type: Recovery

Test Duration: 5

16.350000381469727 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003983471 Test Type: Recovery

Test Duration: 20

Test Level: 15.649999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003983458 Draw Down Test Type: 2

Test Duration:

15.630000114440918 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003983464 Test Type: Draw Down

Test Duration: 5

16.010000228881836 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003983467Test Type:Recovery

Test Duration: 10

Test Level: 16.030000686645508

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003983472Test Type:Draw Down

Test Duration: 25

Test Level: 17.100000381469727

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1003983474Test Type:Draw Down

Test Duration: 30

Test Level: 17.260000228881836

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003983459Test Type:Recovery

Test Duration: 2

Test Level: 16.670000076293945

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003983461Test Type:Recovery

Test Duration: 3

Test Level: 16.549999237060547

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003983476Test Type:Draw Down

Test Duration: 40

Test Level: 17.520000457763672

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003983477
Test Type: Recovery

Test Duration: 40

Test Level: 15.229999542236328

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003983456

Test Type: Draw Down

Test Duration:

Test Level: 15.460000038146973

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003983463Test Type:Recovery

Test Duration: 4

Test Level: 16.440000534057617

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003983478Test Type:Draw Down

Test Duration: 50

Test Level: 17.729999542236328

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003983468Test Type:Draw Down

Test Duration: 15

Test Level: 16.700000762939453

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003983473Test Type:Recovery

Test Duration: 25

Test Level: 15.510000228881836

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003983475Test Type:Recovery

Test Duration: 30

Test Level: 15.399999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003983479Test Type:Recovery

Test Duration: 50

Test Level: 15.09000015258789

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003983481
Test Type: Recovery

Test Duration: 60

Test Level: 14.979999542236328

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003983457
Test Type: Recovery

Test Duration:

Test Level: 16.84000015258789

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003983460Test Type:Draw Down

Test Duration: 3

Test Level: 15.770000457763672

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003983466Test Type:Draw Down

Test Duration: 10

Test Level: 16.420000076293945

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003983469Test Type:Recovery

Test Duration: 15

Test Level: 16.81999969482422

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003983480Test Type:Draw Down

Test Duration: 60

Test Level: 17.940000534057617

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003983470Test Type:Draw Down

Test Duration: 20

Test Level: 16.920000076293945

Test Level UOM: ft

Water Details

Water ID: 1003983452

 Layer:
 1

 Kind Code:
 8

 Kind:
 Untested

 Water Found Depth:
 45.0

 Water Found Depth UOM:
 ft

Hole Diameter

Hole ID: 1003983450 Diameter: 6.25

2.4000000953674316 Depth From:

Depth To: 41.0 Hole Depth UOM: ft Hole Diameter UOM: inch

Hole Diameter

1003983451 Hole ID: 6.125 Diameter: Depth From: 41.0 Depth To: 47.0 Hole Depth UOM: Hole Diameter UOM: inch

<u>Links</u>

Bore Hole ID: 1003576823 Tag No: A116928 Depth M: 14.3256 Contractor: 1805

716\7169616.pdf Year Completed: 2011 Path: 44.2446030995408 Well Completed Dt: 2011/09/07 Latitude: Z132239 -77.384079952343 Audit No: Longitude:

111.7 / -7.78 501 HARMONY RD RR1 lot 11 con 5 **27** 1 of 1 E/172.2 **WWIS**

Well ID: 7169615 Construction Date:

Use 1st: Domestic

Use 2nd:

Final Well Status: Water Supply

Water Type:

Casing Material:

Audit No: Z132238 A116929 Tag:

Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth:

. Overburden/Bedrock: Pump Rate:

Static Water Level:

Clear/Cloudy:

Municipality: THURLOW TOWNSHIP **BBR GOLF COURSE** Site Info:

CORBYVILLE ON

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

Data Src:

Date Received: 06-Oct-2011 00:00:00

Order No: 23021600530

TRUE Selected Flag:

Abandonment Rec:

Contractor: 1805 Form Version: Owner:

HASTINGS County: 011 Lot: Concession: 05 Concession Name: CON

Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/716\7169615.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 2011/09/15 Year Completed: 2011 Depth (m): 14.3256

Latitude: 44.2444250223144 Longitude: -77.3839850875304 Path: 716\7169615.pdf

Bore Hole Information

Bore Hole ID: 1003576821

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

Date Completed: 15-Sep-2011 00:00:00

Remarks:

Loc Method Desc: on Water Well Record

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 1003983397

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 39.0 Formation End Depth: 47.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003983395

Layer: Color: 6 General Color: **BROWN** 05 Most Common Material: CLAY Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 12 **STONES** Mat3 Desc: Formation Top Depth: 0.0 Formation End Depth: 16.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003983396

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 11

 Mat2 Desc:
 GRAVEL

Elevation: Elevro:

Zone: 18
East83: 309651.00
North83: 4901785.00
Org CS: UTM83
UTMRC: 3

UTMRC Desc: margin of error: 10 - 30 m

Location Method: ww

Mat3: 13

Mat3 Desc:BOULDERSFormation Top Depth:16.0Formation End Depth:39.0Formation End Depth UOM:ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1003983432

 Layer:
 1

 Plug From:
 23.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003983431

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 1003983393

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1003983401

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From: -2.799999952316284

Depth To:40.0Casing Diameter:6.25Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 1003983402

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From: 40.0
Depth To: 47.0
Casing Diameter: 6.125
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1003983403

Layer: Slot:

Screen Top Depth: Screen End Depth:

Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch

Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:

 Pump Test ID:
 1003983394

 Pump Set At:
 23.0

 Static Level:
 12.699999809265137

 Final Level After Pumping:
 16.3700008392334

Recommended Pump Depth: 44.0 **Pumping Rate:** 20.0

Flowing Rate:

Recommended Pump Rate: 15.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 0
Pumping Duration HR: 1
Pumping Duration MIN:

Flowing:

Draw Down & Recovery

Pump Test Detail ID:1003983406Test Type:Draw Down

Test Duration: 2

Test Level: 13.90999984741211

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003983408Test Type:Draw Down

Test Duration: 3

Test Level: 14.09000015258789

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1003983409Test Type:Recovery

Test Duration: 3

Test Level: 15.210000038146973

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003983417
Test Type: Recovery

Test Duration: 15

Test Level: 14.449999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003983415
Test Type: Recovery

Test Duration: 10

Test Level: 14.680000305175781

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003983418Test Type:Draw Down

Test Duration: 20

Test Level: 15.34000015258789

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003983410Test Type:Draw Down

Test Duration: 4

Test Level: 14.229999542236328

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003983416Test Type:Draw Down

Test Duration: 15

Test Level: 15.100000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003983420Test Type:Draw Down

Test Duration: 25

Test Level: 15.539999961853027

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003983422Test Type:Draw Down

Test Duration: 30

Test Level: 15.699999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003983427
Test Type: Recovery

Test Duration: 50

Test Level: 13.710000038146973

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003983404Test Type:Draw Down

Test Duration: 1

Test Level: 13.670000076293945

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003983407 Test Type: Recovery

Test Duration:

15.34000015258789 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003983411 Test Type: Recovery

Test Duration:

Test Level: 15.09000015258789

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1003983419 Test Type: Recovery

Test Duration: 20

14.279999732971191 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003983425 Test Type: Recovery

Test Duration: 40

Test Level: 13.850000381469727

Test Level UOM: ft

Draw Down & Recovery

1003983426 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 50

Test Level: 16.209999084472656

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003983405 Test Type: Recovery

Test Duration:

15.529999732971191 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003983412 Test Type: Draw Down

Test Duration: 5

14.350000381469727 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003983424

Test Type: Draw Down

Test Duration: 40

Test Level: 15.989999771118164

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003983429Test Type:RecoveryTest Duration:60

Test Level: 13.609999656677246

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1003983413

 Test Type:
 Recovery

 Test Duration:
 5

 Test Level:
 15.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:1003983428Test Type:Draw Down

Test Duration: 60

Test Level: 16.3700008392334

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003983414Test Type:Draw Down

Test Duration: 10

Test Level: 14.8100004196167

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003983421
Test Type: Recovery

Test Duration: 25

Test Level: 14.149999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003983423
Test Type: Recovery

Test Duration: 30

Test Level: 14.039999961853027

Test Level UOM: ft

Water Details

Water ID: 1003983400

Layer: 1 Kind Code: 8

Kind: Untested Water Found Depth: 42.0

Water Found Depth UOM:

Hole Diameter

Hole ID: 1003983398

Diameter: 6.25

Depth From: 2.799999952316284

ft

Depth To: 40.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

Hole Diameter

 Hole ID:
 1003983399

 Diameter:
 6.125

 Depth From:
 40.0

 Depth To:
 47.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

Links

 Bore Hole ID:
 1003576821
 Tag No:
 A116929

 Depth M:
 14.3256
 Contractor:
 1805

 Vear Completed:
 2011
 Path:
 716\7169615.pdf

 Well Completed Dt:
 2011/09/15
 Latitude:
 44.2444250223144

 Audit No:
 Z132238
 Longitude:
 -77.3839850875304

28 1 of 1 E/225.1 114.8 / -4.71 501 HARMONY RD RR1 lot 11 con 5 CORBYVILLE ON WWIS

Flowing (Y/N):

Data Entry Status:

Abandonment Rec:

Concession Name:

Easting NAD83:

Northing NAD83:

UTM Reliability:

15-Sep-2011 00:00:00

Order No: 23021600530

TRUE

1805

HASTINGS

7

011

05

CON

Date Received:

Selected Flag:

Form Version:

Concession:

Contractor:

Owner:

County:

Lot:

Zone:

Flow Rate:

Data Src:

Well ID: 7168722

Construction Date:

Use 1st: Domestic
Use 2nd:

Final Well Status: Water Supply

Water Type:

Casing Material:

 Audit No:
 Z132242

 Tag:
 A116925

Constructn Method: Elevation (m): Elevatn Reliabilty:

Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate:

Static Water Level: Clear/Cloudy:

Municipality: THURLOW TOWNSHIP

Site Info: X

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/716\7168722.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 2011/08/09

 Year Completed:
 2011

 Depth (m):
 12.4968

 Latitude:
 44.2456880246846

 Longitude:
 -77.38386078489

18

Order No: 23021600530

Path: 716\7168722.pdf

Bore Hole Information

Bore Hole ID: 1003567704 Elevation:

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

 Code OB:
 East83:
 309665.00

 Code OB Desc:
 North83:
 4901925.00

 Open Hole:
 Org CS:
 UTM83

 Cluster Kind:
 UTMRC:
 3

 Date Completed:
 09-Aug-2011 00:00:00
 UTMRC Desc:
 margin of error : 10 - 30 m

Remarks: Location Method: wwr Loc Method Desc: on Water Well Record

Elevrc Desc:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 1003942022

 Layer:
 5

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 36.0 Formation End Depth: 41.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003942018

 Layer:
 1

 Color:
 6

General Color: BROWN Mat1: 05

Mat1: 05
Most Common Material: CLAY

 Most Common Material:
 CLAY

 Mat2:
 11

 Mat2 Desc:
 GRAVEL

 Mat3:
 13

 Mat3 Desc:
 BOULDERS

Formation Top Depth: 0.0
Formation End Depth: 17.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003942021

 Layer:
 4

 Color:
 2

 General Color:
 GREY

Mat1: 17
Most Common Material: SHALE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation End Depth: 33.0
Formation End Depth: 36.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003942020

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 32.0 Formation End Depth: 33.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003942019

Layer: 2 2 Color: General Color: **GREY** Mat1: 05 Most Common Material: CLAY Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 13 Mat3 Desc: **BOULDERS** Formation Top Depth: 17.0 Formation End Depth: 32.0 Formation End Depth UOM:

Annular Space/Abandonment

Sealing Record

Plug ID: 1003942058

 Layer:
 1

 Plug From:
 0.0

 Plug To:
 21.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003942057

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 1003942016

Casing No: 0

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1003942027

Layer: Material: Open Hole or Material: STEEL Depth From: -2.5 Depth To: 36.0 Casing Diameter: 6.25 Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

1003942028 Casing ID:

Layer: 2 Material:

Open Hole or Material: **OPEN HOLE**

Depth From: 36.0 41.0 Depth To: Casing Diameter: 6.125 Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1003942029

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM:

ft Screen Diameter UOM: inch

Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:

1003942017 Pump Test ID: Pump Set At: 23.0

Static Level: 10.960000038146973 Final Level After Pumping: 15.220000267028809

Recommended Pump Depth: 38.0 Pumping Rate: 20.0

Flowing Rate:

Recommended Pump Rate: 15.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: **CLEAR** Water State After Test: Pumping Test Method: 0 **Pumping Duration HR: Pumping Duration MIN:** 0

Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1003942031
Test Type: Recovery

Test Duration: 1

Test Level: 14.4399995803833

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1003942050Test Type:Draw Down

Test Duration: 40

Test Level: 14.770000457763672

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003942043Test Type:RecoveryTest Duration:15

Test Level: 13.199999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003942047
Test Type: Recovery

Test Duration: 25

Test Level: 12.829999923706055

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003942049Test Type:RecoveryTest Duration:30

Test Level: 12.699999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003942053
Test Type: Recovery

Test Duration: 50

Test Level: 12.300000190734863

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003942040Test Type:Draw Down

Test Duration: 10

Test Level: 13.210000038146973

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003942045Test Type:Recovery

20 Test Duration:

Test Level: 13.010000228881836

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003942041 Test Type: Recovery 10

Test Duration:

Test Level: 13.449999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003942042 Test Type: Draw Down

Test Duration: 15

13.59000015258789 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003942055 Test Type: Recovery

Test Duration: 60

12.170000076293945 Test Level:

Test Level UOM: ft

Draw Down & Recovery

1003942030 Pump Test Detail ID: Test Type: Draw Down

Test Duration:

Test Level: 11.90999984741211

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003942033 Recovery Test Type: 2

Test Duration:

Test Level: 14.210000038146973

Test Level UOM:

Draw Down & Recovery

1003942032 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 2

Test Level: 12.180000305175781

Test Level UOM:

Draw Down & Recovery

1003942037 Pump Test Detail ID: Test Type: Recovery

Test Duration:

Test Level: 13.930000305175781

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003942038 Test Type: Draw Down

Test Duration:

12.680000305175781 Test Level:

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1003942046 Test Type: Draw Down

Test Duration: 25

Test Level: 14.170000076293945

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1003942035 Test Type: Recovery

Test Duration:

14.050000190734863 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003942036 Test Type: Draw Down

Test Duration:

Test Level: 12.539999961853027

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003942039 Test Type: Recovery

Test Duration: 5

Test Level: 13.819999694824219

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003942048 Test Type: Draw Down

Test Duration: 30

Test Level: 14.390000343322754

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003942051 Test Type: Recovery Test Duration: 40

12.479999542236328 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003942052

Test Type: Draw Down

Test Duration: 50

Test Level: 15.029999732971191

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003942034Test Type:Draw Down

Test Duration:

Test Level: 12.380000114440918

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003942044Test Type:Draw Down

Test Duration: 20

Test Level: 13.949999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003942054Test Type:Draw Down

Test Duration: 60

Test Level: 15.220000267028809

Test Level UOM:

Water Details

Water ID: 1003942026

 Layer:
 2

 Kind Code:
 8

 Kind:
 Untested

 Water Found Depth:
 40.0

 Water Found Depth UOM:
 ft

Water Details

Water ID: 1003942025

Layer: 1

Kind Code: 8
Kind: Untested
Water Found Depth: 36.0
Water Found Depth UOM: ft

Hole Diameter

 Hole ID:
 1003942023

 Diameter:
 6.25

 Depth From:
 2.5

 Depth To:
 36.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

Hole Diameter

Hole ID: 1003942024 **Diameter:** 6.125

Depth From:36.0Depth To:41.0Hole Depth UOM:ftHole Diameter UOM:inch

Links

 Bore Hole ID:
 1003567704
 Tag No:
 A116925

 Depth M:
 12.4968
 Contractor:
 1805

 Year Completed:
 2011
 Path:
 716\7168722.pdf

 Well Completed Dt:
 2011/08/09
 Latitude:
 44.2456880246846

 Audit No:
 Z132242
 Longitude:
 -77.38386078489

29 1 of 1 E/220.8 113.8 / -5.71 501 HARMONY ROAD RR#1 lot 11 con 5 CORBYVILLE ON WWIS

Well ID: 7173694 **Flowing (Y/N):**

Construction Date:

Use 1st:

Domestic

Domestic

Data Entry Status:

Use 2nd:

Data Src:

Final Well Status: Water Supply Date Received: 12-Aug-2011 00:00:00

Water Type: Selected Flag: TRUE

Casing Material: Abandonment Rec:

 Audit No:
 Z132243
 Contractor:
 1805

 Tag:
 A100899
 Form Version:
 7

Constructn Method: Owner:
Elevation (m): County: HASTINGS

Elevatn Reliabilty:Lot:011Depth to Bedrock:Concession:05Well Depth:Concession Name:CON

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

Clear/Cloudy: UTM Reliability:

Municipality:THURLOW TOWNSHIPSite Info:BBR GOLF COARSE

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/717\7173694.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 2011/07/29

 Year Completed:
 2011

 Depth (m):
 12.8016

 Latitude:
 44.2452765916361

 Longitude:
 -77.3837314412158

 Path:
 717√7173694.pdf

Bore Hole Information

Bore Hole ID: 1003622077 Elevation: DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 309674.00

 Code OB Desc:
 North83:
 4901879.00

 Open Hole:
 Org CS:
 UTM83

Cluster Kind: UTMRC: 4

Date Completed: 29-Jul-2011 00:00:00 **UTMRC Desc:** margin of error : 30 m - 100 m

Order No: 23021600530

Remarks: Location Method: wv

Loc Method Desc: on Water Well Record Elevre Desc:

Location Source Date:

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

Overburden and Bedrock Materials Interval

Formation ID: 1004035069

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 34.0
Formation End Depth: 35.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1004035067

Layer: 1 Color: 6

General Color: **BROWN** Mat1: 05 CLAY Most Common Material: Mat2: 11 **GRAVEL** Mat2 Desc: Mat3: 12 Mat3 Desc: **STONES** Formation Top Depth: 0.0 Formation End Depth: 14.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1004035068

2 Layer: Color: 2 GREY General Color: Mat1: 05 Most Common Material: CLAY Mat2: 11 **GRAVEL** Mat2 Desc: Mat3: **STONES** Mat3 Desc: Formation Top Depth: 14.0 Formation End Depth: 34.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 1004035070

Layer: 4 **Color:** 2

General Color: GREY
Mat1: 17
Most Common Material: SHALE
Mat2: 15

Mat2 Desc: LIMESTONE

Mat3: 71

Mat3 Desc: FRACTURED

Formation Top Depth: 35.0 Formation End Depth: 38.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1004035071

 Layer:
 5

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 38.0 Formation End Depth: 42.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1004035106

 Layer:
 1

 Plug From:
 25.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1004035105

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 1004035065

Casing No: 0

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1004035076

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

 Depth From:
 38.0

 Depth To:
 42.0

 Casing Diameter:
 6.125

 Casing Diameter UOM:
 inch

Casing Depth UOM:

Construction Record - Casing

Casing ID: 1004035075

ft

Layer: Material: STEEL Open Hole or Material:

Depth From: 2.5 Depth To: 38.0 Casing Diameter: 6.25 Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Screen

1004035077 Screen ID:

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material:

Screen Depth UOM: ft inch Screen Diameter UOM:

Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:

Pump Test ID: 1004035066

Pump Set At: 23.0

11.3100004196167 Static Level:

Final Level After Pumping:

40.0 Recommended Pump Depth: 20.0 Pumping Rate:

Flowing Rate: Recommended Pump Rate:

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

Pumping Duration MIN:

No Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1004035079 Recovery Test Type:

Test Duration:

14.430000305175781 Test Level:

Test Level UOM:

Draw Down & Recovery

1004035081 Pump Test Detail ID: Test Type: Recovery

Test Duration: 2

Test Level: 14.1899995803833

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1004035087Test Type:Recovery

Test Duration: 5

Test Level: 13.800000190734863

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1004035091Test Type:Recovery

Test Duration: 15

Test Level: 13.15999984741211

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1004035093

 Test Type:
 Recovery

 Test Duration:
 20

 Test Level:
 13.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:1004035100Test Type:Draw Down

Test Duration: 50

Test Level: 15.529999732971191

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1004035102

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 15.75

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:1004035086Test Type:Draw Down

Test Duration: 5

Test Level: 13.600000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1004035089Test Type:RecoveryTest Duration:10

Test Level: 13.430000305175781

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004035097

Test Type: Recovery 30

Test Duration:

12.729999542236328 Test Level:

Test Level UOM: ft

Draw Down & Recovery

1004035098 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 40

15.300000190734863 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004035099 Test Type: Recovery Test Duration: 40 Test Level: 12.5 Test Level UOM: ft

Draw Down & Recovery

1004035101 Pump Test Detail ID: Test Type: Recovery

Test Duration: 50

Test Level: 12.369999885559082

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004035083 Test Type: Recovery

Test Duration: 3

Test Level: 14.029999732971191

Test Level UOM: ft

Draw Down & Recovery

1004035084 Pump Test Detail ID: Test Type: Draw Down

Test Duration:

Test Level: 13.470000267028809

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004035088 Draw Down Test Type:

Test Duration: 10

Test Level: 14.0600004196167

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004035103 Test Type: Recovery

Test Duration: 60

Test Level: 12.279999732971191

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1004035078Test Type:Draw Down

Test Duration: 1

Test Level: 12.880000114440918

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1004035090Test Type:Draw Down

Test Duration: 15

Test Level: 14.390000343322754

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1004035094Test Type:Draw Down

Test Duration: 25

Test Level: 14.890000343322754

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1004035080Test Type:Draw Down

Test Duration: 2

Test Level: 13.149999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1004035092Test Type:Draw Down

Test Duration: 20

Test Level: 14.670000076293945

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1004035096Test Type:Draw Down

Test Duration: 30

Test Level: 15.0600004196167

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1004035082Test Type:Draw Down

Test Duration: 3

Test Level: 13.329999923706055

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1004035085Test Type:Recovery

Test Duration: 4

Test Level: 13.90999984741211

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004035095
Test Type: Recovery

Test Duration: 25

Test Level: 12.84000015258789

Test Level UOM: ft

Water Details

Water ID: 1004035074

 Layer:
 1

 Kind Code:
 8

 Kind:
 Untested

 Water Found Depth:
 40.0

 Water Found Depth UOM:
 ft

Hole Diameter

 Hole ID:
 1004035072

 Diameter:
 6.25

 Depth From:
 2.5

 Depth To:
 38.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

Hole Diameter

 Hole ID:
 1004035073

 Diameter:
 6.125

 Depth From:
 38.0

 Depth To:
 42.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

<u>Links</u>

 Bore Hole ID:
 1003622077
 Tag No:
 A100899

 Depth M:
 12.8016
 Contractor:
 1805

 Year Completed:
 2011
 Path:
 717\7173694.pdf

 Well Completed Dt:
 2011/07/29
 Latitude:
 44.2452765916361

 Audit No:
 Z132243
 Longitude:
 -77.3837314412158

30 1 of 1 E/222.2 113.8 / -5.71 501 HARMONY RD RR1 lot 11 con 5 CORBYVILLE ON WWIS

Well ID: 7144259

Construction Date:

Use 1st: Domestic
Use 2nd: Monitoring
Final Well Status: Water Supply

Water Type:

Casing Material:

Audit No: Z098432 Tag: A085767 Flowing (Y/N): Flow Rate: Data Entry Status: Data Src:

Date Received: 03-May-2010 00:00:00

Order No: 23021600530

Selected Flag: TRUE

Abandonment Rec:

Contractor: 1805 Form Version: 7

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

Constructn Method:

Owner: Elevation (m): County: **HASTINGS** Elevatn Reliabilty: Lot: 011 Depth to Bedrock: Concession: 05 Well Depth: Concession Name: CON

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83: Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7144259.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 2010/04/29 Year Completed: 2010 Depth (m): 14.6304

Latitude: 44.245018340047 Longitude: -77.3835957642905 Path: 714\7144259.pdf

Bore Hole Information

Bore Hole ID: Elevation: 1002970473 DP2BR: Elevrc:

Spatial Status: Zone: 18 Code OB: East83: 309684.00 Code OB Desc: North83: 4901850.00 UTM83 Open Hole: Org CS:

Location Method:

wwr

Order No: 23021600530

Cluster Kind: UTMRC: Date Completed: 29-Apr-2010 00:00:00 UTMRC Desc: margin of error: 30 m - 100 m

Remarks: on Water Well Record

Loc Method Desc: Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

1003157416 Formation ID:

Layer: Color:

BROWN General Color: Mat1: 02 Most Common Material: **TOPSOIL**

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

0.0 Formation Top Depth: Formation End Depth: 1.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003157417

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc:

Mat3:66Mat3 Desc:DENSEFormation Top Depth:1.0Formation End Depth:5.0Formation End Depth UOM:ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003157421

 Layer:
 6

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 37.0 Formation End Depth: 48.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003157418

Layer: 3 Color: 6 General Color: **BROWN** Mat1: 05 Most Common Material: CLAY Mat2: 11 GRAVEL Mat2 Desc: Mat3: 13 Mat3 Desc: **BOULDERS** Formation Top Depth: 5.0

Formation Top Depth: 5.0
Formation End Depth: 18.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003157419

Layer: Color: 2 General Color: **GREY** Mat1: 05 Most Common Material: CLAY Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 13 **BOULDERS** Mat3 Desc: Formation Top Depth: 18.0 Formation End Depth: 36.0

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 1003157420

 Layer:
 5

 Color:
 2

 General Color:
 GREY

 Mat1:
 17

 Most Common Material:
 SHALE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 36.0 Formation End Depth: 37.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1003157424

 Layer:
 1

 Plug From:
 0.0

 Plug To:
 22.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003157457

Method Construction Code: 7

Method Construction: Diamond

Other Method Construction:

Pipe Information

Pipe ID: 1003157414

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1003157427

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From: 37.0
Depth To: 48.0
Casing Diameter: 6.125
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1003157426

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

 Depth From:
 0.0

 Depth To:
 37.0

 Casing Diameter:
 6.25

 Casing Diameter UOM:
 inch

 Casing Depth UOM:
 ft

Construction Record - Screen

Screen ID: 1003157428

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM:

Screen Depth UOM: ft Screen Diameter UOM: inch

Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:

Pump Test ID: 1003157415

Pump Set At: 23.0

Static Level: 10.880000114440918

Final Level After Pumping:

Recommended Pump Depth: 45.0 Pumping Rate: 20.0 Flowing Rate: Recommended Pump Rate: 20.0 Levels UOM: **GPM** Rate UOM: Water State After Test Code: **CLEAR** Water State After Test: Pumping Test Method: 0 **Pumping Duration HR:**

Pumping Duration MIN: Flowing:

Draw Down & Recovery

 Pump Test Detail ID:
 1003157447

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 15.5

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 1003157448
Test Type: Recovery

Test Duration: 30

Test Level: 12.510000228881836

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003157430Test Type:Recovery

Test Duration:

Test Level: 14.210000038146973

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003157438Test Type:Recovery

Test Duration: 5

Test Level: 13.539999961853027

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003157440Test Type:Recovery

Test Duration: 10

Test Level: 12.199999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003157451Test Type:Draw Down

Test Duration: 50

Test Level: 16.06999969482422

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003157443Test Type:Draw Down

Test Duration: 20

Test Level: 15.100000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003157446Test Type:Recovery

Test Duration: 25

Test Level: 12.609999656677246

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003157436 Test Type: Recovery

Test Duration:

Test Level: 13.630000114440918

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003157439
Test Type: Draw Down

Test Duration: 10

Test Level: 14.520000457763672

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003157449

Draw Down Test Type:

Test Duration: 40

15.8100004196167 Test Level:

Test Level UOM: ft

Draw Down & Recovery

1003157429 Pump Test Detail ID: Test Type: Draw Down

Test Duration:

13.239999771118164 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003157431 Draw Down Test Type: 2

Test Duration:

Test Level: 13.59000015258789

Test Level UOM: ft

Draw Down & Recovery

1003157444 Pump Test Detail ID: Test Type: Recovery Test Duration: 20

Test Level: 12.770000457763672

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1003157445 Test Type: Draw Down

Test Duration: 25

Test Level: 15.3100004196167

Test Level UOM: ft

Draw Down & Recovery

1003157452 Pump Test Detail ID: Test Type: Recovery

Test Duration: 50

Test Level: 12.149999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003157433 Draw Down Test Type:

Test Duration: 3

Test Level: 13.779999732971191

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003157434 Test Type: Recovery

Test Duration: 3

Test Level: 13.760000228881836

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003157435Test Type:Draw Down

Test Duration: 4

Test Level: 13.930000305175781

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003157442Test Type:Recovery

Test Duration: 15

Test Level: 12.960000038146973

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003157450
Test Type: Recovery

Test Duration: 40

Test Level: 12.329999923706055

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003157432Test Type:Recovery

Test Duration: 2

Test Level: 13.930000305175781

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003157437Test Type:Draw Down

Test Duration:

Test Level: 14.0600004196167

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003157453Test Type:Draw Down

Test Duration: 60

Test Level: 16.290000915527344

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003157454
Test Type: Recovery

Test Duration: 60

Test Level: 13.029999732971191

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003157441 Test Type: Draw Down

Test Duration: 15

14.84000015258789 Test Level:

Test Level UOM: ft

Water Details

Water ID: 1003157425

Layer: Kind Code: **FRESH** Kind: Water Found Depth: 39.0 Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1003157423 Diameter: 6.125 Depth From: 37.0 Depth To: 48.0 Hole Depth UOM: ft Hole Diameter UOM: inch

Hole Diameter

Hole ID: 1003157422 Diameter: 6.25 2.0 Depth From: Depth To: 37.0

Hole Depth UOM: ft Hole Diameter UOM: inch

<u>Links</u>

1002970473 Bore Hole ID: Tag No: A085767 Depth M: 14.6304 Contractor: 1805

Year Completed: 2010 Path: 714\7144259.pdf 44.245018340047 Well Completed Dt: 2010/04/29 Latitude: Z098432 -77.3835957642905 Audit No: Longitude:

31 1 of 1 SSW/28.6 108.8 / -10.70 lot 8 con 4 **WWIS** ON

Order No: 23021600530

2906477 Well ID:

Flowing (Y/N): **Construction Date:** Flow Rate: Use 1st: Domestic Data Entry Status:

Use 2nd: Data Src:

12-Aug-1974 00:00:00 Final Well Status: Water Supply Date Received: TRUE Water Type: Selected Flag:

Casing Material: Abandonment Rec: Audit No: 1805 Contractor:

Tag: Form Version: 1 Constructn Method: Owner:

HASTINGS Elevation (m): County: Elevatn Reliabilty: 800 Lot: Depth to Bedrock: Concession: 04 CON Well Depth: Concession Name:

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83:

Static Water Level: Zone:

Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map):

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2906477.pdf

Order No: 23021600530

Additional Detail(s) (Map)

 Well Completed Date:
 1974/07/04

 Year Completed:
 1974

 Depth (m):
 6.096

 Latitude:
 44.2388501062878

 Longitude:
 -77.3952696400164

 Path:
 290\2906477.pdf

Bore Hole Information

Bore Hole ID: 10161922 Elevation:

DP2BR: Elevrc: Spatial Status: Zone:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 308731.90

 Code OB Desc:
 North83:
 4901192.00

Open Hole: Org CS:

Cluster Kind: UTMRC: 4

Date Completed: 04-Jul-1974 00:00:00 **UTMRC Desc:** margin of error : 30 m - 100 m

Remarks: Location Method: p4

Loc Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m

Elevrc Desc: Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931472265

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 10.0 Formation End Depth: 20.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931472263

Layer: 1 **Color:** 6

General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL

Mat2: Mat2 Desc:

Mat3: Mat3 Desc:

0.0 Formation Top Depth: Formation End Depth: 2.0 Formation End Depth UOM:

Overburden and Bedrock Materials Interval

Formation ID:

931472264 2 Layer: Color: 2 General Color: **GREY** Mat1: 11 Most Common Material: **GRAVEL** Mat2: 13

Mat2 Desc: **BOULDERS**

Mat3: Mat3 Desc:

Formation Top Depth: 2.0 Formation End Depth: 10.0

Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962906477 **Method Construction Code:**

Method Construction: Cable Tool Other Method Construction:

Pipe Information

Pipe ID: 10710492 Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930276629

Layer: 1 Material:

STEEL Open Hole or Material:

Depth From:

20.0 Depth To: Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

BAILER Pumping Test Method Desc:

Pump Test ID: 992906477

Pump Set At: Static Level: 8.0 Final Level After Pumping: 8.0 Recommended Pump Depth:

30.0 Pumping Rate:

Flowing Rate:

Recommended Pump Rate: 10.0 Levels UOM: ft

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

Rate UOM: **GPM** Water State After Test Code: **CLEAR** Water State After Test: Pumping Test Method: 2 Pumping Duration HR: 45 **Pumping Duration MIN:** Flowing: No

Water Details

933620072 Water ID:

Layer: Kind Code: Kind. **FRESH** Water Found Depth: 20.0 Water Found Depth UOM: ft

Links

Bore Hole ID: 10161922 Tag No:

Depth M: 6.096 Contractor: 1805 Year Completed: 1974 Path: 290\2906477.pdf Latitude: 44.2388501062878

Well Completed Dt: 1974/07/04

Audit No:

E/231.4 112.9 / -6.64 501 HARMONY RD RR#1 lot 11 con 5 **32** 1 of 1 **WWIS CORBYVILLE ON**

Longitude:

Flowing (Y/N):

Selected Flag:

Abandonment Rec:

Data Src:

-77.3952696400164

Order No: 23021600530

TRUE

Well ID: 7167151

Construction Date: Flow Rate: Use 1st: Domestic Data Entry Status:

Use 2nd:

12-Aug-2011 00:00:00 Final Well Status: Water Supply Date Received:

Water Type:

Casing Material:

Audit No: Z132244 Contractor: 1805 A100898 Tag: Form Version:

Constructn Method: Owner: **HASTINGS** Elevation (m): County: Elevatn Reliabilty: 011 Lot:

Depth to Bedrock: Concession: 05 Well Depth: Concession Name: CON . Overburden/Bedrock: Easting NAD83:

Pump Rate: Northing NAD83: Zone:

Static Water Level: Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP **BBR GOLF COURSE** Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/716\7167151.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 2011/07/22 2011 Year Completed: Depth (m): 14.0208

44.244004105923 Latitude: Longitude: -77.3830162552354 Path: 716\7167151.pdf

Bore Hole Information

Bore Hole ID: 1003548793

DP2BR: Spatial Status: Code OB:

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

Date Completed: 22-Jul-2011 00:00:00

Remarks:

Loc Method Desc: on Water Well Record

Elevrc Desc:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 1003926210

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2:

Mat2 Desc: Mat3:

Mat3:66Mat3 Desc:DENSEFormation Top Depth:0.0Formation End Depth:9.0Formation End Depth UOM:ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003926211

Layer: 6 Color: General Color: **BROWN** 05 Most Common Material: CLAY Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 12 Mat3 Desc: **STONES** Formation Top Depth: 9.0 Formation End Depth: 16.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003926212

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 11

 Mat2 Desc:
 GRAVEL

Elevation:

Elevrc: 18

 East83:
 309727.00

 North83:
 4901736.00

 Org CS:
 UTM83

 UTMRC:
 3

UTMRC Desc: margin of error: 10 - 30 m

Location Method: ww

Mat3:12Mat3 Desc:STONESFormation Top Depth:16.0Formation End Depth:35.0Formation End Depth UOM:ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003926214

 Layer:
 5

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 38.0 Formation End Depth: 46.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003926213

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

 Mat2:
 13

 Mat2 Desc:
 BOULDERS

Mat3:26Mat3 Desc:ROCKFormation Top Depth:35.0Formation End Depth:38.0Formation End Depth UOM:ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1003926250

 Layer:
 1

 Plug From:
 25.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003926249

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 1003926208

Casing No: 0

Comment:

Alt Name:

Construction Record - Casing

Casing ID: 1003926220

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From: 38.0
Depth To: 46.0
Casing Diameter: 6.125
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1003926219

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 -2.5

 Depth To:
 38.0

 Casing Diameter:
 6.25

 Casing Diameter UOM:
 inch

 Casing Depth UOM:
 ft

Construction Record - Screen

Screen ID: 1003926221

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material:

Screen Depth UOM: ft Screen Diameter UOM: inch

Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:

Pump Test ID: 1003926209

Pump Set At: 40.0

 Static Level:
 7.46999979019165

 Final Level After Pumping:
 36.619998931884766

Recommended Pump Depth: 42.0 **Pumping Rate:** 10.0

Flowing Rate:

Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 0
Pumping Duration HR: 1

Pumping Duration MIN:

Flowing:

Draw Down & Recovery

Pump Test Detail ID:1003926233Test Type:Recovery

Test Duration: 10

Test Level: 9.479999542236328

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926235Test Type:RecoveryTest Duration:15

Test Level: 8.470000267028809

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926224Test Type:Draw Down

Test Duration: 2

Test Level: 21.399999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926226Test Type:Draw Down

Test Duration: 3

Test Level: 25.969999313354492

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926238Test Type:Draw Down

Test Duration: 25

Test Level: 35.959999084472656

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926239Test Type:Recovery

Test Duration: 25

Test Level: 8.369999885559082

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926222Test Type:Draw Down

Test Duration: 1

Test Level: 15.520000457763672

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926230Test Type:Draw Down

Test Duration: 5

Test Level: 32.150001525878906

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926234 Draw Down Test Type:

Test Duration: 15

35.5099983215332 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926240 Test Type: Draw Down

Test Duration: 30

Test Level: 36.029998779296875

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1003926228 Test Type: Draw Down

Test Duration:

29.579999923706055 Test Level:

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1003926229 Test Type: Recovery

Test Duration:

Test Level: 17.15999984741211

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926232 Test Type: Draw Down

Test Duration: 10

Test Level: 35.20000076293945

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926241 Test Type: Recovery Test Duration: 30

8.380000114440918 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926225 Test Type: Recovery

Test Duration:

24.149999618530273 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926231

Test Type: Recovery

Test Duration: 5

14.819999694824219 Test Level:

Test Level UOM: ft

Draw Down & Recovery

1003926236 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 20

35.779998779296875 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926237 Recovery Test Type: Test Duration: 20

Test Level: 8.359999656677246

Test Level UOM: ft

Draw Down & Recovery

1003926246 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 60

Test Level: 36.619998931884766

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926223 Test Type: Recovery

Test Duration:

Test Level: 29.06999969482422

Test Level UOM: ft

Draw Down & Recovery

1003926227 Pump Test Detail ID: Test Type: Recovery

Test Duration: 3

Test Level: 20.270000457763672

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926242 Draw Down Test Type:

Test Duration: 40

Test Level: 36.2599983215332

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926243 Test Type: Recovery

Test Duration: 40

Test Level: 8.359999656677246

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1003926245
Test Type: Recovery

Test Duration: 50

Test Level: 8.34000015258789

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926247
Test Type: Recovery

Test Duration: 60

Test Level: 8.279999732971191

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926244Test Type:Draw Down

Test Duration: 50

Test Level: 36.540000915527344

Test Level UOM: ft

Water Details

Water ID: 1003926217

Layer: 1 Kind Code: 8

Kind: Untested Water Found Depth: 38.0 Water Found Depth UOM: ft

Water Details

Water ID: 1003926218

 Layer:
 2

 Kind Code:
 8

 Kind:
 Untested

 Water Found Depth:
 41.0

Water Found Depth UOM: ft

Hole Diameter

 Hole ID:
 1003926215

 Diameter:
 6.25

 Depth From:
 0.0

 Depth To:
 38.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

Hole Diameter

 Hole ID:
 1003926216

 Diameter:
 6.125

 Depth From:
 38.0

 Depth To:
 46.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

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

Records Distance (m)

Links

Bore Hole ID: 1003548793 Tag No: A100898 Depth M: 14.0208 Contractor: 1805

Year Completed: 2011 Path: 716\7167151.pdf Well Completed Dt: 2011/07/22 Latitude: 44.244004105923 Z132244 -77.3830162552354 Audit No: Longitude:

501 HARMONY RD RR#1 lot 11 con 5 1 of 1 E/227.3 112.9 / -6.66 33 **WWIS CORBYVILLE ON**

Well ID: 7167152 Flowing (Y/N): **Construction Date:** Flow Rate:

Domestic Data Entry Status: Use 1st: Use 2nd: Data Src:

Water Supply Final Well Status: 12-Aug-2011 00:00:00 Date Received:

Water Type: Selected Flag: TRUE

Casing Material: Abandonment Rec:

Audit No: Z132245 1805 Contractor:

Tag: A100897 Form Version: 7 Constructn Method: Owner:

Elevation (m): County: **HASTINGS** Elevatn Reliabilty: 011 Lot: Depth to Bedrock: Concession: 05 Well Depth: Concession Name: CON

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

Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/716\7167152.pdf

Additional Detail(s) (Map)

Well Completed Date: 2011/07/11 Year Completed: 2011 Depth (m): 14.0208

Latitude: 44.2437532815724 -77.3829560282488 Longitude: Path: 716\7167152.pdf

Bore Hole Information

1003548795 Bore Hole ID: Elevation:

DP2BR: Elevrc: Spatial Status: Zone: 18 Code OB: East83: 309731.00 Code OB Desc: North83: 4901708.00 Open Hole: Org CS: UTM83 Cluster Kind: UTMRC: 3

Date Completed: 11-Jul-2011 00:00:00 **UTMRC Desc:** margin of error: 10 - 30 m

Order No: 23021600530

Location Method: Remarks: wwr

Loc Method Desc: on Water Well Record Elevrc Desc:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 1003926473

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

 Mat2:
 13

 Mat2 Desc:
 BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 35.0
Formation End Depth: 38.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1003926472

Layer: 3 Color: 2 General Color: **GREY** Mat1: 05 Most Common Material: CLAY Mat2: Mat2 Desc: **GRAVEL** Mat3: 12 **STONES** Mat3 Desc: Formation Top Depth: 17.0 Formation End Depth: 35.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1003926471

Layer: 2 Color: 6 General Color: **BROWN** Mat1: Most Common Material: CLAY Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 12 **STONES** Mat3 Desc: Formation Top Depth: 10.0 17.0 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 1003926470

Layer: 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 12

STONES Mat2 Desc:

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 10.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

1003926474 Formation ID:

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

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

38.0 Formation Top Depth: Formation End Depth: 46.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

1003926509 Plug ID:

Layer: Plug From: 25.0 0.0 Plug To: Plug Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003926508

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

1003926468 Pipe ID:

Casing No:

Comment: Alt Name:

Construction Record - Casing

1003926479 Casing ID:

Layer: 2

Material:

Open Hole or Material: **OPEN HOLE**

Depth From: 38.0 Depth To: 46.0 Casing Diameter: 6.125 Casing Diameter UOM: inch ft Casing Depth UOM:

Construction Record - Casing

Casing ID: 1003926478

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 -2.5

 Depth To:
 38.0

 Casing Diameter:
 6.25

 Casing Diameter UOM:
 inch

 Casing Depth UOM:
 ft

Construction Record - Screen

Screen ID: 1003926480

Layer: Slot:

Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:

 Pump Test ID:
 1003926469

 Pump Set At:
 40.0

 Static Level:
 7.480000019073486

 Final Level After Pumping:
 14.9399995803833

Recommended Pump Depth: 40.0 **Pumping Rate:** 12.0

Flowing Rate:

Recommended Pump Rate: 12.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEA

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

Flowing:

Draw Down & Recovery

Pump Test Detail ID:1003926485Test Type:Draw Down

Test Duration: 3

Test Level: 12.829999923706055

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926494Test Type:Recovery

Test Duration: 15

Test Level: 8.470000267028809

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926497

Test Type: Draw Down

Test Duration: 25

Test Level: 14.460000038146973

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926501Test Type:Draw Down

Test Duration: 40

Test Level: 14.84000015258789

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926503Test Type:Draw Down

Test Duration: 50

Test Level: 14.880000114440918

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926482Test Type:Recovery

Test Duration:

Test Level: 10.65999984741211

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926483Test Type:Draw Down

Test Duration: 2

Test Level: 12.350000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926489Test Type:Draw Down

Test Duration: 5

Test Level: 13.300000190734863

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926493Test Type:Draw Down

Test Duration: 15

Test Level: 14.210000038146973

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926486
Test Type: Recovery

Test Duration: 3

Test Level: 9.4399995803833

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926488Test Type:Recovery

Test Duration: 4

Test Level: 9.220000267028809

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926491Test Type:Draw Down

Test Duration: 10

Test Level: 14.109999656677246

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926492Test Type:RecoveryTest Duration:10

Test Level: 8.630000114440918

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926499Test Type:Draw Down

Test Duration: 30

Test Level: 14.579999923706055

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926487Test Type:Draw Down

Test Duration: 4

Test Level: 13.119999885559082

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1003926504Test Type:RecoveryTest Duration:50

Test Level: 8.039999961853027

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926484
Test Type: Recovery

Test Duration: 2

Test Level: 9.779999732971191

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926490 Test Type: Recovery

Test Duration: 5

9.0600004196167 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926498 Test Type: Recovery

Test Duration: 25

Test Level: 8.300000190734863

Test Level UOM: ft

Draw Down & Recovery

1003926481 Pump Test Detail ID: Test Type: Draw Down

Test Duration:

Test Level: 11.329999923706055

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926500 Test Type: Recovery Test Duration: 30

Test Level: 8.130000114440918

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926502 Test Type: Recovery Test Duration: 40

8.0600004196167 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003926505 Draw Down Test Type:

Test Duration: 60

14.9399995803833 Test Level:

Test Level UOM: ft

Draw Down & Recovery

1003926506 Pump Test Detail ID: Recovery Test Type:

Test Duration: 60

Test Level: 7.949999809265137

Test Level UOM:

Draw Down & Recovery

1003926495 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 20

14.350000381469727 Test Level:

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1003926496Test Type:Recovery

Test Duration: 20

Test Level: 8.279999732971191

ft

Test Level UOM: ft

Water Details

Water ID: 1003926477

Layer: 1 Kind Code: 8

Kind: Untested
Water Found Depth: 41.0
Water Found Depth UOM: ft

Hole Diameter

 Hole ID:
 1003926476

 Diameter:
 6.125

 Depth From:
 38.0

 Depth To:
 46.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

Hole Diameter

 Hole ID:
 1003926475

 Diameter:
 6.25

 Depth From:
 0.0

 Depth To:
 38.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

<u>Links</u>

 Bore Hole ID:
 1003548795
 Tag No:
 A100897

 Depth M:
 14.0208
 Contractor:
 1805

 Year Completed:
 2011
 Path:
 716\7167152.pdf

 Well Completed Dt:
 2011/07/11
 Latitude:
 44.2437532815724

 Audit No:
 Z132245
 Longitude:
 -77.3829560282488

34 1 of 1 SSE/0.7 110.0/-9.57 lot 10 con 5 ON WWIS

Well ID: 2903196 Flowing (Y/N):
Construction Date: Flow Rate:

Use 1st:DomesticData Entry Status:Use 2nd:0Data Src:

Final Well Status:Water SupplyDate Received:08-Aug-1962 00:00:00Water Type:Selected Flag:TRUE

Water Type:Selected Flag:TRUICasing Material:Abandonment Rec:Audit No:Contractor:1507

Audit No:Contractor:1507Tag:Form Version:1Constructn Method:Owner:

Elevation (m):County:HASTINGSElevatn Reliabilty:Lot:010Depth to Bedrock:Concession:05

Well Depth: CON Concession Name:

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83:

Static Water Level: Zone: UTM Reliability:

Clear/Cloudy: THURLOW TOWNSHIP Municipality:

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2903196.pdf

Additional Detail(s) (Map)

1962/07/10 Well Completed Date: Year Completed: 1962 Depth (m): 15.5448

44.2408859275554 Latitude: -77.3909190244887 Longitude: Path: 290\2903196.pdf

Bore Hole Information

Bore Hole ID: 10158854 Elevation:

DP2BR: Elevrc: Spatial Status: Zone:

18 Code OB: East83: 309085.90 Code OB Desc: 4901408.00 North83:

Open Hole: Org CS:

Cluster Kind: UTMRC:

Date Completed: 10-Jul-1962 00:00:00 UTMRC Desc: margin of error: 100 m - 300 m

Order No: 23021600530

Remarks: Location Method: p5 Original Pre1985 UTM Rel Code 5: margin of error: 100 m - 300 m Loc Method Desc:

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

931463569 Formation ID:

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

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

36.0 Formation Top Depth: Formation End Depth: 51.0 Formation End Depth UOM: ft

Overburden and Bedrock

Formation ID: 931463568

Layer:

Color: General Color:

Materials Interval

09 Mat1:

Most Common Material: MEDIUM SAND

Mat2: 13 Mat2 Desc: **BOULDERS**

Mat3: Mat3 Desc:

0.0

Formation Top Depth: Formation End Depth: 36.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962903196 **Method Construction Code:**

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

10707424 Pipe ID:

Casing No: Comment: Alt Name:

Construction Record - Casing

Casing ID: 930271202

Layer: 1 Material: Open Hole or Material: STEEL

Depth From:

Depth To: 38.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930271203

Layer: 2 Material: 4

OPEN HOLE Open Hole or Material:

Depth From:

Depth To: 51.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

PUMP Pumping Test Method Desc:

Pump Test ID: 992903196

Pump Set At: Static Level:

Flowing Rate:

15.0 Final Level After Pumping: 30.0 Recommended Pump Depth: 48.0 33.0 Pumping Rate:

Recommended Pump Rate: 33.0 Levels UOM:

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

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

Water Details

Water ID: 933616709

Layer: Kind Code: **FRESH** Kind: Water Found Depth: 40.0 Water Found Depth UOM:

Links

Bore Hole ID: 10158854 Tag No: Depth M: 15.5448 Contractor: 1507

Path: Year Completed: 1962 290\2903196.pdf 44.2408859275554 Well Completed Dt: 1962/07/10 Latitude: Audit No: Longitude: -77.3909190244887

1 of 2 SSE/1.3 110.0 / -9.57 lot 10 con 5 35

ON

WWIS

Order No: 23021600530

Well ID: 2903197 Flowing (Y/N): Construction Date: Flow Rate:

Use 1st: Domestic Data Entry Status:

Use 2nd: Data Src:

Final Well Status: Water Supply Date Received: 04-Dec-1963 00:00:00 TRUE Selected Flag:

Water Type: Casing Material: Abandonment Rec: Audit No: Contractor: 1805

Tag: Form Version: 1 Constructn Method: Owner:

Elevation (m): County: **HASTINGS** Elevatn Reliabilty: Lot: 010 Depth to Bedrock: Concession: 05 Well Depth: Concession Name: CON

Overburden/Bedrock: Easting NAD83: Northing NAD83: Pump Rate:

Static Water Level: Zone:

Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2903197.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 1963/11/22 Year Completed: 1963 Depth (m): 14.6304

Latitude: 44.2408766702396 -77.3909311726967 Longitude: Path: 290\2903197.pdf

Bore Hole Information

Bore Hole ID: 10158855 Elevation:

DP2BR: Elevrc: Spatial Status: Zone:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 309084.90

 Code OB Desc:
 North83:
 4901407.00

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 22-Nov-1963 00:00:00 **UTMRC Desc:** margin of error : 100 m - 300 m

Remarks: Location Method: ps

Loc Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m Elevro Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931463570

Layer: 1

Color:

General Color:

Mat1: 05
Most Common Material: CLAY

Mat2: 13
Mat2 Desc: BOULDERS

Mat3:

Mat3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 36.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931463571

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 36.0 Formation End Depth: 48.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962903197

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10707425

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930271205

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 48.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930271204

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

Depth From:

Depth To:37.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc:PUMPPump Test ID:992903197

Pump Set At:

Static Level: 20.0 Final Level After Pumping: 20.0 Recommended Pump Depth: 43.0 Pumping Rate: 20.0 Flowing Rate: Recommended Pump Rate: 10.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: Water State After Test: CLEAR Pumping Test Method: **Pumping Duration HR:** 2 0 **Pumping Duration MIN:** Flowing: No

Water Details

Water ID: 933616710

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 38.0

 Water Found Depth UOM:
 ft

<u>Links</u>

Bore Hole ID: 10158855 **Tag No:**

Depth M: 14.6304 **Contractor:** 1805

 Year Completed:
 1963
 Path:
 290\2903197.pdf

 Well Completed Dt:
 1963/11/22
 Latitude:
 44.2408766702396

Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

 Audit No:
 Longitude:
 -77.3909311726967

35 2 of 2 SSE/1.3 110.0 / -9.57 lot 10 con 5 WWIS

Well ID: 2903198 **Flowing (Y/N)**:

Construction Date:Flow Rate:Use 1st:DomesticData Entry Status:

Use 2nd: 0 **Data Src:** 1

Final Well Status: Water Supply Date Received: 04-Dec-1963 00:00:00

Water Type: Selected Flag: TRUE Casing Material: Abandonment Rec:

Audit No: Contractor: 1805
Tag: Form Version: 1

Constructn Method: Owner:

Elevation (m):County:HASTINGSElevatn Reliabilty:Lot:010Depth to Bedrock:Concession:05Well Depth:Concession Name:CON

Wei Depti: Concession Name
Overburden/Bedrock: Easting NAD83:
Pump Rate: Northing NAD83:

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

Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2903198.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1963/11/28

 Year Completed:
 1963

 Depth (m):
 18.288

 Latitude:
 44.2408766702396

 Longitude:
 -77.3909311726967

 Path:
 290\2903198.pdf

Bore Hole Information

Bore Hole ID: 10158856 Elevation: DP2BR: Elevro:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 309084.90

 Code OB Desc:
 North83:
 4901407.00

Open Hole: Org CS:

Cluster Kind: UTMRC:

 Date Completed:
 28-Nov-1963 00:00:00
 UTMRC Desc:
 margin of error : 100 m - 300 m

Order No: 23021600530

Remarks: Location Method: p5
Loc Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m

Elevrc Desc: Location Source Date:

Improvement Location Source: Improvement Location Method:

Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931463573

Layer: 2 **Color:** 2

General Color: GREY **Mat1:** 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 36.0 Formation End Depth: 60.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931463572

Layer:

Color:

General Color:

Mat1:05Most Common Material:CLAYMat2:13

Mat2 Desc: BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 36.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962903198

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10707426

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930271207

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:60.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930271206

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

Depth From:

DΒ Map Key Number of Direction/ Elev/Diff Site Records Distance (m) (m) 38.0 Depth To: Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft Results of Well Yield Testing **PUMP** Pumping Test Method Desc: Pump Test ID: 992903198 Pump Set At: 20.0 Static Level: 20.0 Final Level After Pumping: Recommended Pump Depth: 55.0 Pumping Rate: 20.0 Flowing Rate: Recommended Pump Rate: 10.0 Levels UOM: ft **GPM** Rate UOM: Water State After Test Code: 1 Water State After Test: **CLEAR** Pumping Test Method: Pumping Duration HR: 2 **Pumping Duration MIN:** 0 No Flowing: Water Details Water ID: 933616711 Layer: Kind Code: **FRESH** Kind: Water Found Depth: 55.0 Water Found Depth UOM: **Links** Bore Hole ID: 10158856 Tag No: Depth M: 18.288 Contractor: 1805 290\2903198.pdf Year Completed: 1963 Path: Well Completed Dt: 1963/11/28 Latitude: 44.2408766702396 Audit No: Longitude: -77.3909311726967 1 of 1 ESE/5.4 113.8 / -5.70 lot 11 con 5 36 **WWIS** ON 2903201 Well ID: Flowing (Y/N): Construction Date: Flow Rate: Use 1st: Domestic Data Entry Status: Use 2nd: Data Src: Final Well Status: Water Supply Date Received: 22-Feb-1956 00:00:00 TRUE Water Type: Selected Flag:

Casing Material: Abandonment Rec: Audit No: Contractor: 1507 Form Version: Tag: Constructn Method: Owner: Elevation (m): County: **HASTINGS** Elevatn Reliabilty: 011 Lot: Depth to Bedrock: Concession: 05 Well Depth: Concession Name: CON Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83: Static Water Level: Zone:

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

Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map):

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2903201.pdf

Order No: 23021600530

Additional Detail(s) (Map)

Well Completed Date: 1955/08/10 Year Completed: 1955 24.384 Depth (m):

Latitude: 44.2421945119804 -77.3851723684335 Longitude: Path: 290\2903201.pdf

Bore Hole Information

10158859 Bore Hole ID: Elevation: DP2BR: Elevro:

Spatial Status: Zone:

18 Code OB: East83: 309549.00 4901540.00 Code OB Desc: North83:

Open Hole: Org CS:

Cluster Kind: UTMRC:

Date Completed: 10-Aug-1955 00:00:00 **UTMRC Desc:** margin of error: 100 m - 300 m

Location Method: Remarks: р5 Loc Method Desc: Original Pre1985 UTM Rel Code 5: margin of error: 100 m - 300 m

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931463579 2 Layer:

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

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 40.0 80.0 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931463578

Layer:

Color:

General Color:

Mat1: 13

Most Common Material: **BOULDERS**

Mat2: Mat2 Desc: GRAVEL

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 40.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962903201

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10707429

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930271212

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

Depth From:

Depth To: 42.0
Casing Diameter: 6.0

Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930271213

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:80.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP

Pump Test ID: 992903201

Pump Set At:

Static Level: 20.0 Final Level After Pumping: 80.0

Recommended Pump Depth:

Pumping Rate: 10.0

Flowing Rate: Recommended Pump Rate:

Levels UOM: ft
Rate UOM: GPM

Water State After Test Code:

Water State After Test:

Pumping Test Method:

Pumping Duration HR:

1

1

Number of Direction/ Elev/Diff Site DΒ Map Key Records Distance (m) (m) **Pumping Duration MIN:** 0 Flowing: No Water Details Water ID: 933616713 Layer: Kind Code: Kind: **FRESH** Water Found Depth: 64.0 Water Found Depth UOM: ft **Links** Bore Hole ID: 10158859 Tag No: Contractor: Depth M: 24.384 1507 Path: 290\2903201.pdf Year Completed: 1955 1955/08/10 44.2421945119804 Well Completed Dt: Latitude: -77.3851723684335 Audit No: Longitude: **37** 1 of 1 SE/9.4 111.0 / -8.57 1126542 Ontario Limited **GEN** 575 Harmony Road Belleville ON Generator No: ON6471904

SIC Code: SIC Description:

Approval Years: PO Box No: Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility:

MHSW Facility:

03,04

1 of 1 SE/10.8 112.7 / -6.83 38

WWIS ON

7262830 Well ID:

Construction Date: Use 1st: Use 2nd: Final Well Status: Water Type: Casing Material:

C33332 Audit No: A187407 Tag:

Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth:

Overburden/Bedrock:

Pump Rate: Static Water Level: Clear/Cloudy: Municipality:

THURLOW TOWNSHIP

Flowing (Y/N):

Flow Rate: Data Entry Status: Yes

Data Src: 09-May-2016 00:00:00 Date Received:

Selected Flag: TRUE

Abandonment Rec:

1507 Contractor: Form Version:

Owner:

County: **HASTINGS** Lot:

Order No: 23021600530

Concession: Concession Name: Easting NAD83: Northing NAD83: Zone:

UTM Reliability:

PDF URL (Map):

Site Info:

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

Additional Detail(s) (Map)

Well Completed Date: 2016/03/01 Year Completed: 2016

Depth (m):

44.2410153357021 Latitude: -77.3873162885445 Lonaitude:

Path:

Bore Hole Information

Bore Hole ID: 1005973975 DP2BR:

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

Cluster Kind: Date Completed: 01-Mar-2016 00:00:00

Remarks:

Loc Method Desc: on Water Well Record

Elevrc Desc:

Location Source Date:

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

Links

Bore Hole ID: A187407 1005973975 Tag No: Depth M:

Year Completed: 2016 2016/03/01 Well Completed Dt:

C33332 Audit No:

Contractor: 1507

Path:

Elevation:

Elevrc:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

Zone:

Latitude: 44.2410153357021 -77.3873162885445 Longitude:

18

309374.00 4901414.00

margin of error: 30 m - 100 m

Order No: 23021600530

UTM83

39 1 of 1 ESE/11.2 114.8 / -4.70 lot 11 con 4 **WWIS** ON

Well ID: 2903114 Flowing (Y/N): **Construction Date:** Flow Rate:

Data Entry Status: Use 1st: Domestic

Use 2nd: Data Src: Final Well Status: Water Supply 14-Jan-1952 00:00:00 Date Received:

Water Type: Selected Flag: TRUE Casing Material: Abandonment Rec: Audit No: Contractor:

4829 Tag: Form Version:

Constructn Method: Owner: Elevation (m): County:

HASTINGS Elevatn Reliabilty: Lot: 011 Depth to Bedrock: Concession: 04 Well Depth: Concession Name: CON

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

Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2903114.pdf PDF URL (Map):

Additional Detail(s) (Map)

1951/08/27 Well Completed Date: 1951 Year Completed: Depth (m): 7.3152

44.2416314668452 Latitude: Longitude: -77.3849742782472 290\2903114.pdf Path:

Bore Hole Information

10158772 Bore Hole ID: Elevation:

DP2BR: Elevrc: Spatial Status: Zone:

18 Code OB: East83: 309563.00 Code OB Desc: North83: 4901477.00 Open Hole: Org CS:

Cluster Kind: UTMRC:

9 unknown UTM Date Completed: 27-Aug-1951 00:00:00 UTMRC Desc:

Remarks: Location Method: p9

Loc Method Desc: Original Pre1985 UTM Rel Code 9: unknown UTM

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931463364

Layer: Color: 2 General Color: **GREY** Mat1: 05 CLAY Most Common Material: Mat2: 09

Mat2 Desc: MEDIUM SAND

Mat3: 12 **STONES** Mat3 Desc: Formation Top Depth: 0.0 Formation End Depth: 19.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931463365

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

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 19.0 Formation End Depth: 24.0 Formation End Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962903114

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

10707342 Pipe ID:

Casing No:

Comment: Alt Name:

Construction Record - Casing

930271051 Casing ID:

2 Layer: Material:

OPEN HOLE Open Hole or Material:

Depth From:

Depth To: 24.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930271050

Layer: Material: STEEL

Open Hole or Material:

Depth From:

19.0 Depth To: Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM:

Results of Well Yield Testing

PUMP Pumping Test Method Desc: Pump Test ID: 992903114

Pump Set At:

Static Level: 3.0 Final Level After Pumping: 3.0 Recommended Pump Depth: Pumping Rate: 5.0 Flowing Rate:

Recommended Pump Rate:

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

Pumping Test Method: 1 **Pumping Duration HR:** 0 30 Pumping Duration MIN: Flowing: No

Water Details

Water ID: 933616629

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

Tag No:

Contractor:

Layer: Kind Code: 5

Not stated Kind: Water Found Depth: 24.0 Water Found Depth UOM: ft

Links

Bore Hole ID: 10158772 Depth M: 7.3152

Path: 290\2903114.pdf Year Completed: 1951 Well Completed Dt: 1951/08/27 44.2416314668452 Latitude: Longitude: -77.3849742782472

Audit No:

40 1 of 1 SSE/11.8 109.8 / -9.70 lot 10 con 5 ON

WWIS

Order No: 23021600530

4829

Well ID: 2903192 Flowing (Y/N): Flow Rate: Construction Date:

Use 1st: Livestock Data Entry Status:

Use 2nd: Domestic Data Src: Final Well Status: Water Supply Date Received: 19-Jan-1953 00:00:00

TRUE Water Type: Selected Flag: Casing Material: Abandonment Rec:

Audit No: Contractor: 3550 Form Version: Tag: 1 Constructn Method: Owner:

HASTINGS Elevation (m): County: Elevatn Reliabilty: Lot: 010 Depth to Bedrock: Concession: 05 Well Depth: Concession Name: CON

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83:

Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

THURLOW TOWNSHIP Municipality:

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2903192.pdf

Additional Detail(s) (Map)

Well Completed Date: 1951/09/18 1951 Year Completed: Depth (m): 10.0584

Latitude: 44.2407777221912 -77.3909271631526 Longitude: 290\2903192.pdf Path:

Bore Hole Information

10158850 Bore Hole ID: Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18

Code OB: East83: 309084.90 Code OB Desc: North83: 4901396.00 Open Hole: Org CS:

Cluster Kind: UTMRC:

Date Completed: 18-Sep-1951 00:00:00 UTMRC Desc: unknown UTM

Remarks: Location Method:

Loc Method Desc: Original Pre1985 UTM Rel Code 9: unknown UTM

Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock Materials Interval

Formation ID: 931463559

Layer:

Color:

General Color:

Mat1: 09

Most Common Material: MEDIUM SAND

 Mat2:
 11

 Mat2 Desc:
 GRAVEL

 Mat3:
 05

 Mat3 Desc:
 CLAY

Mat3 Desc:CLAYFormation Top Depth:0.0Formation End Depth:33.0Formation End Depth UOM:ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962903192

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10707420

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930271195

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To:30.0Casing Diameter:5.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930271196

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:33.0Casing Diameter:5.0Casing Diameter UOM:inchCasing Depth UOM:ft

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

Results of Well Yield Testing

Pumping Test Method Desc: **PUMP** Pump Test ID: 992903192

Pump Set At:

Static Level: 10.0 30.0 Final Level After Pumping: Recommended Pump Depth: **Pumping Rate:** 1.0 Flowing Rate:

Recommended Pump Rate:

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

Water Details

Water ID: 933616705

Layer: Kind Code: **FRESH** Kind: Water Found Depth: 30.0 Water Found Depth UOM: ft

1 of 1

Links

Bore Hole ID: 10158850 Tag No:

ESE/12.1

Depth M: 10.0584 Contractor: 3550 Year Completed: 1951 Path: 290\2903192.pdf Well Completed Dt: 1951/09/18 Latitude: 44.2407777221912

Audit No:

41

111.7/-7.78 lot 10 con 5 WWIS

-77.3909271631526

Order No: 23021600530

Longitude:

Well ID: 2903199

Flowing (Y/N): **Construction Date:** Flow Rate: Use 1st: Data Entry Status:

Use 2nd: Data Src:

Final Well Status: Abandoned-Supply Date Received: 25-Jan-1966 00:00:00

TRUE Water Type: Selected Flag: Casing Material: Abandonment Rec:

Audit No: Contractor: 1507

Form Version: Tag: 1 Constructn Method: Owner:

HASTINGS Elevation (m): County: Elevatn Reliabilty: Lot: 010

Depth to Bedrock: Concession: 05 CON Well Depth: Concession Name: Overburden/Bedrock: Easting NAD83:

Northing NAD83: Pump Rate: Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2903199.pdf

18

Order No: 23021600530

Additional Detail(s) (Map)

Well Completed Date: 1965/09/28 Year Completed: 1965 22.86 Depth (m):

44.2416658753645 Latitude: -77.3872048517854 Longitude: Path: 290\2903199.pdf

Bore Hole Information

Bore Hole ID: 10158857 Elevation:

DP2BR: Elevrc: Spatial Status: Zone:

309385.00 Code OB: East83: Code OB Desc: 4901486.00 North83:

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 28-Sep-1965 00:00:00 **UTMRC Desc:** margin of error: 100 m - 300 m

Remarks: Location Method: p5

Loc Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m

Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931463574

Layer:

Color: General Color:

Mat1:

11 Most Common Material: **GRAVEL** 09 Mat2:

MEDIUM SAND Mat2 Desc:

Mat3: Mat3 Desc: **BOULDERS** Formation Top Depth: 0.0 Formation End Depth: 37.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

931463575 Formation ID:

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

LIMESTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 37.0 Formation End Depth: 75.0 Formation End Depth UOM: ft

DB Map Key Number of Direction/ Elev/Diff Site

Records

Distance (m)

(m)

Method of Construction & Well

Method Construction ID: 962903199 **Method Construction Code:** Cable Tool

Method Construction:

Other Method Construction:

Pipe Information

Pipe ID: 10707427 Casing No: Comment:

Alt Name:

Construction Record - Casing

930271209 Casing ID:

Layer: Material:

OPEN HOLE Open Hole or Material:

Depth From:

75.0 Depth To: Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

930271208 Casing ID:

Layer: 1 Material: Open Hole or Material: STEEL

Depth From: 40.0 Depth To: Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

<u>Links</u>

Bore Hole ID: 10158857 Tag No: Depth M: 22.86 Contractor:

1507 Year Completed: 1965 Path: 290\2903199.pdf Well Completed Dt: 1965/09/28 Latitude: 44.2416658753645

Audit No:

42 1 of 1 ESE/12.4 114.8 / -4.77 626 HARMONY RD. **WWIS BELLEVILLE ON**

Longitude:

-77.3872048517854

Order No: 23021600530

7266747 Well ID: Flowing (Y/N):

Construction Date: Flow Rate: Use 1st: Monitoring Data Entry Status: Data Src:

Use 2nd:

Final Well Status: Abandoned-Other 15-Jul-2016 00:00:00 Date Received: TRUE Water Type: Selected Flag:

Casing Material: Abandonment Rec: Yes Z216066 Audit No: Contractor: 1507 A187407 Form Version: 7 Tag:

Constructn Method: Owner:

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

HASTINGS County:

Elevation (m): Elevatn Reliabilty: Lot: Depth to Bedrock: Concession: Well Depth: Concession Name: Overburden/Bedrock: Easting NAD83: Northing NAD83: Pump Rate:

Static Water Level: Zone: UTM Reliability: Clear/Cloudy:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/726\7266747.pdf

Additional Detail(s) (Map)

Well Completed Date: 2016/05/13 Year Completed: 2016

Depth (m):

Latitude: 44.241428709705 Longitude: -77.3856298252251 726\7266747.pdf Path:

Bore Hole Information

Bore Hole ID: 1006145546 Elevation:

DP2BR: Elevrc: Spatial Status: Zone: 18

309510.00 Code OB: East83: Code OB Desc: North83: 4901456.00 Open Hole: Org CS: UTM83 Cluster Kind: UTMRC:

Date Completed: 13-May-2016 00:00:00 UTMRC Desc: margin of error: 30 m - 100 m

Order No: 23021600530

Remarks: Location Method:

Loc Method Desc: on Water Well Record

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock Materials Interval

1006160946 Formation ID:

Layer: Color: General Color:

Mat1: Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: Formation End Depth:

ft Formation End Depth UOM:

Annular Space/Abandonment

Sealing Record

1006160954 Plug ID:

 Layer:
 2

 Plug From:
 2.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1006160953

 Layer:
 1

 Plug From:
 32.0

 Plug To:
 2.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1006160952
Method Construction Code:
Method Construction:

Other Method Construction:

Pipe Information

 Pipe ID:
 1006160945

 Casing No:
 0

Casing No: Comment: Alt Name:

Construction Record - Casing

Casing ID: 1006160949

Layer: 1
Material: 5
Open Hole or Material: PLA

Open Hole or Material:PLASTICDepth From:-3.0Depth To:32.0Casing Diameter:2.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Screen

Screen ID: 1006160950

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material:

Screen Depth UOM: ft Screen Diameter UOM: inch

Screen Diameter:

Water Details

Water ID: 1006160948

Layer: Kind Code: Kind:

Water Found Depth:

Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006160947

Diameter: Depth From: Depth To:

Hole Depth UOM: ft
Hole Diameter UOM: inch

<u>Links</u>

 Bore Hole ID:
 1006145546
 Tag No:
 A187407

 Depth M:
 Contractor:
 1507

 Depth M:
 Contractor:
 1507

 Year Completed:
 2016
 Path:
 726\7266747.pdf

 Well Completed Dt:
 2016/05/13
 Latitude:
 44.24142870970

 Well Completed Dt:
 2016/05/13
 Latitude:
 44.241428709705

 Audit No:
 Z216066
 Longitude:
 -77.3856298252251

43 1 of 3 SSW/13.1 109.8 / -9.70 WEED WARRIORS II R. R. #1, 445 HARMONY RD.

PES

PES

Order No: 23021600530

CORBYVILLE ON KOK 1VO

Detail Licence No:

Licence No:

Operator Box:

Operator Class:

Status:

Operator No:

Operator No:

Operator Type:

Operator Type:

Operator Source:

Operator Operator No:

Operator

Oper Phone No: Licence Type: Operator Licence Type Code: Operator Ext: Licence Class: Operator Lot: Licence Control: Oper Concession: Latitude: Operator Region: Longitude: Operator District: Lot: **Operator County:** Concession: Op Municipality:

Concession: Op Municipality:
Region: Post Office Box:
District: MOE District:
County: SWP Area Name:
Trade Name:

43 2 of 3 SSW/13.1 109.8 / -9.70 WEED WARRIORS II

R. R. #1, 445 HARMONY RD. CORBYVILLE ON K0K1V0

Detail Licence No:Operator Box:Licence No:03872Operator Class:

Status: Operator No: Approval Date: Operator Type:

Report Source:Legacy Licenses (Excluding TS)Oper Area Code:613Licence Type:OperatorOper Phone No:9624289Licence Type Code:02Operator Ext:

Licence Class: Operator Lot: 01 Licence Control: Oper Concession: Latitude: Operator Region: Longitude: Operator District: Lot: **Operator County:** Op Municipality: Concession: Region: Post Office Box: **MOE District:** District: County: SWP Area Name:

Trade Name:

PDF URL:

PDF URL:

109.8 / -9.70 43 3 of 3 SSW/13.1 WEED WARRIORS II

R. R. #1, 445 HARMONY RD.

PES

CORBYVILLE ON K0K1V0

Detail Licence No:

Licence No: 03872

Status: Approval Date:

Report Source: Legacy Licenses (Excluding TS)

Operator Licence Type: Licence Type Code: 01 Licence Class: 06

Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name:

PDF URL:

Operator Class: Operator No: Operator Type:

Operator Box:

Oper Area Code: 613 Oper Phone No: 9624289

Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: **MOE District:** SWP Area Name:

Flowing (Y/N):

Data Entry Status:

Abandonment Rec:

Concession Name:

Easting NAD83:

Northing NAD83:

Date Received:

Selected Flag:

Form Version:

Concession:

Contractor:

Owner:

County:

Lot:

Zone:

06-Apr-1970 00:00:00

Order No: 23021600530

TRUE

4901

009

CON

05

HASTINGS

1

Flow Rate:

Data Src:

1 of 2 S/17.7 109.9 / -9.67 lot 9 con 5 44 **WWIS** ON

Well ID: 2904449

Construction Date:

Use 1st: **Domestic** Use 2nd:

Final Well Status: Water Supply

Water Type: Casing Material: Audit No:

Tag: Constructn Method:

Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate: Static Water Level:

Clear/Cloudy:

Municipality: THURLOW TOWNSHIP

Site Info:

UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2904449.pdf

Additional Detail(s) (Map)

1970/03/05 Well Completed Date: Year Completed: 1970 10.668 Depth (m):

Latitude: 44.2405474214538 Longitude: -77.3916066103114 290\2904449.pdf Path:

Bore Hole Information

Bore Hole ID: 10160074 Elevation:

DP2BR: Elevrc: Spatial Status: Zone:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 309029.90

 Code OB Desc:
 North83:
 4901372.00

Open Hole: Org CS:

 Cluster Kind:
 UTMRC:

 Date Completed:
 05-Mar-1970 00:00:00

 UTMRC Desc:
 UTMRC Desc:

 Date Completed:
 05-Mar-1970 00:00:00
 UTMRC Desc:
 margin of error : 30 m - 100 m

 Remarks:
 Location Method:
 p4

Loc Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m

Elevrc Desc: Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931466791

 Layer:
 1

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 5.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931466792

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 5.0
Formation End Depth: 35.0
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933140719

 Layer:
 1

 Plug From:
 33.0

 Plug To:
 35.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962904449

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10708644

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930273497

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

Depth From:

Depth To: 34.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 992904449

Pump Set At:

Static Level:18.0Final Level After Pumping:28.0Recommended Pump Depth:30.0Pumping Rate:8.0

Flowing Rate: 4.0 Recommended Pump Rate: Levels UOM: **GPM** Rate UOM: Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: 2 Pumping Duration HR: 3 **Pumping Duration MIN:** 0 No Flowing:

Draw Down & Recovery

 Pump Test Detail ID:
 934176889

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 20.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934459267

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 24.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934717769

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 26.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934979700

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 28.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933617904

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 33.0

 Water Found Depth UOM:
 ft

Links

 Bore Hole ID:
 10160074
 Tag No:

 Depth M:
 10.668
 Contractor:
 4901

 Year Completed:
 1970
 Path:
 290\2904449.pdf

 Well Completed Dt:
 1970/03/05
 Latitude:
 44.2405474214538

 Audit No:
 Longitude:
 -77.3916066103114

44 2 of 2 S/17.7 109.9 / -9.67 lot 9 con 5

ON

WWIS

Order No: 23021600530

Well ID: 2905311 Flowing (Y/N): Construction Date: Flow Rate:

Use 1st: Domestic Data Entry Status: Use 2nd: 0 Data Src:

Final Well Status: Water Supply Date Received: 06-Jul-1972 00:00:00

Water Type: Selected Flag: TRUE

Water Type:Selected Flag:TRUICasing Material:Abandonment Rec:Audit No:Contractor:4901Tog:Form Version:1

Audit No:Contractor:490°Tag:Form Version:1Constructn Method:Owner:

 Elevation (m):
 County:
 HASTINGS

 Elevatn Reliability:
 Lot:
 009

 Depth to Bedrock:
 Concession:
 05

Depth to Bedrock:Concession:05Well Depth:Concession Name:CONOverburden/Bedrock:Easting NAD83:

Pump Rate:Northing NAD83:Static Water Level:Zone:Clear/Cloudy:UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2905311.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1972/05/01

 Year Completed:
 1972

 Depth (m):
 12.192

 Latitude:
 44.2405474214538

 Longitude:
 -77.3916066103114

 Path:
 290\2905311.pdf

Bore Hole Information

Bore Hole ID: 10160915 Elevation: DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 309029.90

 Code OB Desc:
 North83:
 4901372.00

Open Hole: Org CS:

Cluster Kind: UTMRC: 4

Date Completed: 01-May-1972 00:00:00 UTMRC Desc: margin of error : 30 m - 100 m

Remarks: Location Method: p
Loc Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931469248

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 26.0 Formation End Depth: 29.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931469249

 Layer:
 4

 Color:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 29.0 Formation End Depth: 36.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931469246

Layer:

Color: General Color:

Mat1: 02

Most Common Material: TOPSOIL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 2.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931469247

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 11

 Mat2 Desc:
 GRAVEL

Mat3: Mat3 Desc:

Formation Top Depth: 2.0
Formation End Depth: 26.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931469250

Layer: 5
Color: 5
General Color: YE

General Color: YELLOW Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 36.0 Formation End Depth: 40.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962905311

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10709485

Casing No:

Comment:

Alt Name:

Construction Record - Casing

 Casing ID:
 930274998

 Layer:
 2

Material: 2

Open Hole or Material: OPEN HOLE

Depth From:
Depth To: 40.0

Casing Diameter:

Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930274997

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

Depth From:

Depth To: 31.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 992905311

Pump Set At:

Static Level:10.0Final Level After Pumping:10.0Recommended Pump Depth:37.0Pumping Rate:40.0Flowing Rate:

20.0 Recommended Pump Rate: Levels UOM: Rate UOM: **GPM** Water State After Test Code: **CLEAR** Water State After Test: Pumping Test Method: 2 Pumping Duration HR: 4 0 **Pumping Duration MIN:** No Flowing:

Draw Down & Recovery

 Pump Test Detail ID:
 934179639

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 10.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934720198

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 10.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934972535

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 10.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934461444

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 10.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933618866

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 30.0

 Water Found Depth UOM:
 ft

Water Details

 Water ID:
 933618867

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 36.0

 Water Found Depth UOM:
 ft

Links

 Bore Hole ID:
 10160915
 Tag No:

 Depth M:
 12.192
 Contractor:

 Year Completed:
 1972
 Path:

 Year Completed:
 1972
 Path:
 290\2905311.pdf

 Well Completed Dt:
 1972/05/01
 Latitude:
 44.2405474214538

 Audit No:
 Longitude:
 -77.3916066103114

45 1 of 1 SSE/18.7 109.8 / -9.70 lot 10 con 5 ON WWIS

4901

Well ID: 2903194 Flowing (Y/N):
Construction Date: Flow Rate:

Construction Date: Flow Rate:
Use 1st: Domestic Data Entry Status:
Use 2nd: 0 Data Src:

 Use 2nd:
 0
 Data Src:
 1

 Final Well Status:
 Water Supply
 Date Received:
 30-Jun-1960 00:00:00

Water Type:Selected Flag:TRUECasing Material:Abandonment Rec:Audit No:Contractor:1821

Tag: Form Version: 1
Constructn Method: Owner:

 Elevation (m):
 County:
 HASTINGS

 Elevatn Reliabilty:
 Lot:
 010

 Depth to Bedrock:
 Concession:
 05

 Well Depth:
 Concession Name:
 CON

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83:

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

Static Water Level: Zone:

Clear/Cloudy: UTM Reliability:

THURLOW TOWNSHIP Municipality:

Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2903194.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 1960/06/17 1960 Year Completed: Depth (m): 9.144

44.2407345800378 Latitude: Longitude: -77.3908377518715 Path: 290\2903194.pdf

Bore Hole Information

Bore Hole ID: 10158852 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 309091.90 Code OB: East83:

Code OB Desc: North83: 4901391.00

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 17-Jun-1960 00:00:00 UTMRC Desc: margin of error: 100 m - 300 m

Order No: 23021600530

Remarks: Location Method: p5 Loc Method Desc: Original Pre1985 UTM Rel Code 5: margin of error: 100 m - 300 m

Elevrc Desc: Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

931463564 Formation ID:

Layer:

Color: General Color:

Mat1: 11

GRAVEL Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 28.0 30.0 Formation End Depth: Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931463563

Layer: Color:

General Color:

05 Mat1. Most Common Material: CLAY Mat2: 12

Mat2 Desc: STONES

Mat3: Mat3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 28.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962903194

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10707422

Casing No: Comment:

Alt Name:

Construction Record - Casing

Casing ID: 930271199

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:
Depth To: 30.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP

Pump Test ID: 992903194

Pump Set At:

Static Level:22.0Final Level After Pumping:28.0Recommended Pump Depth:28.0Pumping Rate:20.0

Flowing Rate:

Recommended Pump Rate: 5.0 Levels UOM: ft

Rate UOM:
Water State After Test Code:

Water State After Test:
CLEAR

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

Water Details

Water ID: 933616707

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 30.0

 Water Found Depth UOM:
 ft

Number of Direction/ Elev/Diff Site DΒ Map Key

Records Distance (m) (m)

Links

Bore Hole ID: 10158852 Tag No: Depth M: 9.144 Contractor:

1960 Path: 290\2903194.pdf Year Completed: 1960/06/17 Latitude: 44.2407345800378 Well Completed Dt: -77.3908377518715 Audit No: Longitude:

1 of 1 SSW/22.4 109.8 / -9.70 lot 9 con 5 46 **WWIS** ON

1821

Order No: 23021600530

Flowing (Y/N): Well ID: 2903190 Construction Date: Flow Rate:

Data Entry Status: Use 1st: Domestic

Use 2nd: Data Src: 06-Apr-1965 00:00:00 Final Well Status: Water Supply Date Received:

TRUE Water Type: Selected Flag:

Casing Material: Abandonment Rec:

1806 Audit No: Contractor:

Form Version: Tag: 1 Constructn Method: Owner:

HASTINGS Elevation (m): County: Elevatn Reliabilty: Lot: 009 Depth to Bedrock: Concession: 05

Well Depth: Concession Name: CON Overburden/Bedrock: Easting NAD83:

Northing NAD83: Pump Rate:

Static Water Level: Zone: UTM Reliability:

Clear/Cloudy: Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2903190.pdf

Additional Detail(s) (Map)

1965/03/15 Well Completed Date: Year Completed: 1965 Depth (m): 12.192

44.2395600125028 Latitude: Longitude: -77.3957618102386 Path: 290\2903190.pdf

Bore Hole Information

10158848 Bore Hole ID: Elevation: DP2BR: Elevrc:

Spatial Status: 18 Zone: Code OB: East83: 308694.90 Code OB Desc: North83: 4901272.00

Open Hole: Org CS:

Cluster Kind: **UTMRC:**

margin of error: 100 m - 300 m 15-Mar-1965 00:00:00 Date Completed: **UTMRC Desc:**

Remarks: Location Method: Loc Method Desc: Original Pre1985 UTM Rel Code 5: margin of error: 100 m - 300 m

Elevrc Desc: Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931463555

Layer:

Color:

General Color:

Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 36.0 Formation End Depth: 40.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931463552

Layer: 2

Color:

General Color:

Mat1: 1

Most Common Material: GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 2.0 Formation End Depth: 25.0

Formation End Depth: 25
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931463551

Layer:

Color: General Color:

Mat1: 05

Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 2.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931463553

Layer: 3
Color:

General Color:

Mat1: 07

Most Common Material: QUICKSAND

Mat2:

Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 25.0 Formation End Depth: 33.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931463554

Layer:

Color:

General Color:

Mat1: 11

Most Common Material: GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 33.0 Formation End Depth: 36.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962903190

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10707418

Casing No: 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930271192

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:40.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930271191

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

Depth From:

oth From:

Depth To:36.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

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

Results of Well Yield Testing

Pumping Test Method Desc: **PUMP** Pump Test ID: 992903190

Pump Set At:

Static Level: 10.0 Final Level After Pumping: 20.0 Recommended Pump Depth: 35.0 Pumping Rate: 50.0

Flowing Rate: Recommended Pump Rate: 20.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: Pumping Duration HR: 1 0 **Pumping Duration MIN:**

Water Details

Flowing:

933616703 Water ID: Layer: Kind Code: **FRESH** Kind:

No

Water Found Depth: 36.0 Water Found Depth UOM: ft

Links

Bore Hole ID: 10158848 Tag No: Depth M: 12.192 Contractor: 1806

Year Completed: 1965 Path: 290\2903190.pdf Well Completed Dt: 1965/03/15 Latitude: 44.2395600125028 -77.3957618102386 Audit No: Longitude:

47 1 of 1 SSW/24.9 109.8 / -9.70 lot 9 con 5 **WWIS** ON

Order No: 23021600530

Well ID: 2909173 Flowing (Y/N): **Construction Date:** Flow Rate: Use 1st: Domestic Data Entry Status:

Use 2nd: Data Src:

Water Supply 06-Sep-1979 00:00:00 Final Well Status: Date Received: TRUE Water Type: Selected Flag:

Casing Material: Abandonment Rec:

Audit No: 1805 Contractor:

Form Version: Tag: Constructn Method: Owner:

HASTINGS Elevation (m): County: Elevatn Reliabilty: Lot: 009

Depth to Bedrock: 05 Concession: Well Depth: Concession Name: CON Overburden/Bedrock: Easting NAD83:

Pump Rate: Northing NAD83: Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2909173.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 1979/08/10 1979 Year Completed: Depth (m): 10.668

44.2395823253566 Latitude: Longitude: -77.3946982566638 Path: 290\2909173.pdf

Bore Hole Information

Bore Hole ID: 10164320 Elevation:

DP2BR: Elevrc: Spatial Status: Zone:

18 308779.90 Code OB: East83: Code OB Desc: North83: 4901272.00

Open Hole: Org CS:

Cluster Kind: **UTMRC**:

Date Completed: 10-Aug-1979 00:00:00 UTMRC Desc: margin of error: 100 m - 300 m

Location Method: Remarks:

Elevrc Desc:

Loc Method Desc: Original Pre1985 UTM Rel Code 5: margin of error: 100 m - 300 m

Location Source Date:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931479354

Layer:

Color:

General Color:

Mat1: 05 CLAY Most Common Material: Mat2: 13

BOULDERS Mat2 Desc:

Mat3:

Mat3 Desc:

Formation Top Depth: 0.0 28.0 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931479355

Layer: 2

Color:

General Color:

Mat1:

Most Common Material: **GRAVEL**

Mat2:

Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 28.0 35.0 Formation End Depth:

Formation End Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID:962909173Method Construction Code:4Method Construction:Rotary (Air)

Other Method Construction:

Pipe Information

 Pipe ID:
 10712890

 Casing No:
 1

 Comment:
 1

Alt Name:

Construction Record - Casing

Casing ID: 930280273

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

Open Hole or Material: Depth From:

Depth To: 30.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc:PUMPPump Test ID:992909173

Pump Set At:

Static Level:20.0Final Level After Pumping:29.0Recommended Pump Depth:25.0Pumping Rate:10.0

Flowing Rate:
Recommended Pump Rate:
Levels UOM:
Rate UOM:

10.0
ft
GPM

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

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

Water Details

Water ID: 933622958

Layer: 1 Kind Code: 1

Kind: FRESH
Water Found Depth: 29.0
Water Found Depth UOM: ft

<u>Links</u>

Bore Hole ID: 10164320 **Tag No:**

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

10.668 Contractor: 1805

Year Completed: 1979 Path: 290\2909173.pdf 1979/08/10 44.2395823253566 Well Completed Dt: Latitude: Longitude: -77.3946982566638

Audit No:

Use 1st:

Depth M:

114.8 / -4.70 626 HARMONY RD. lot 10 con 4 48 1 of 1 ESE/26.6

BELLEVILLE ON

WWIS

Order No: 23021600530

Well ID: 7266817 Flowing (Y/N): Construction Date: Flow Rate:

> Monitoring Data Entry Status: Data Src:

Use 2nd:

Final Well Status: Replacement Well 15-Jul-2016 00:00:00 Date Received:

Water Type: Selected Flag: TRUE Casing Material: Abandonment Rec:

Audit No: Z216083 Contractor: 1507 Tag: A187407 Form Version:

Constructn Method: Owner: Elevation (m): **HASTINGS** County: Elevatn Reliabilty: Lot: 010

Depth to Bedrock: Concession: 04 Well Depth: Concession Name: CON

Easting NAD83: Overburden/Bedrock: Pump Rate: Northing NAD83:

Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/726\7266817.pdf

Additional Detail(s) (Map)

2016/06/07 Well Completed Date: Year Completed: 2016 10.5156 Depth (m):

Latitude: 44.241245404392 -77.3857852180585 Longitude: Path: 726\7266817.pdf

Bore Hole Information

Bore Hole ID: 1006143970 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 Code OB: East83:

309497.00 Code OB Desc: North83: 4901436.00 UTM83 Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 07-Jun-2016 00:00:00 **UTMRC Desc:** margin of error: 30 m - 100 m

Location Method: Remarks:

Loc Method Desc: on Water Well Record

Elevrc Desc: Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 1006163823

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

Mat2:

Mat2 Desc:

 Mat3:
 77

 Mat3 Desc:
 LOOSE

 Formation Top Depth:
 31.0

 Formation End Depth:
 34.5

 Formation End Depth UOM:
 ft

Overburden and Bedrock

Materials Interval

Formation ID: 1006163822

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc:

Mat3: 79

Mat3 Desc:PACKEDFormation Top Depth:16.0Formation End Depth:31.0Formation End Depth UOM:ft

Overburden and Bedrock

Materials Interval

Formation ID: 1006163821

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Most:
 05

Mat1:05Most Common Material:CLAYMat2:13

Mat2 Desc:BOULDERSMat3:79Mat3 Desc:PACKEDFormation Top Depth:0.0Formation End Depth:16.0Formation End Depth UOM:ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1006163831

Layer: 2
Plug From: 24.0
Plug To: 0.0
Plug Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1006163830

Layer: 1

 Plug From:
 34.5

 Plug To:
 24.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1006163829

Method Construction Code: 2

Method Construction: Rotary (Convent.)

Other Method Construction:

Pipe Information

 Pipe ID:
 1006163820

 Casing No:
 0

Casing No: Comment: Alt Name:

Construction Record - Casing

Casing ID: 1006163826

Layer: 1 Material: 5

Open Hole or Material:PLASTICDepth From:-3.0Depth To:24.5Casing Diameter:2.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Screen

Screen ID: 1006163827

 Layer:
 1

 Slot:
 10

 Screen Top Depth:
 34.5

 Screen End Depth:
 24.5

 Screen Material:
 5

 Screen Depth UOM:
 ft

 Screen Diameter UOM:
 inch

 Screen Diameter:
 2.0

Water Details

Water ID: 1006163825

Layer: Kind Code: Kind:

Water Found Depth:

Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006163824

 Diameter:
 8.0

 Depth From:
 0.0

 Depth To:
 34.5

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

<u>Links</u>

Bore Hole ID: 1006143970 Tag No: A187407 Depth M: 10.5156 Contractor: 1507 Year Completed: 2016 Path: 726\7266817.pdf Well Completed Dt: 2016/06/07 Latitude: 44.241245404392 Z216083 -77.3857852180585 Audit No: Longitude:

49 1 of 1 SSW/32.7 109.8 / -9.70 lot 9 con 5 ON WWIS

Well ID: 2904011 Flowing (Y/N): Construction Date: Flow Rate:

Construction Date: Flow Rate:
Use 1st: Domestic Data Entry Status:

Use 2nd: 0 Data Entry Status.

Data Entry Status.

Data Entry Status.

Final Well Status: Water Supply Date Received: 15-May-1968 00:00:00

Water Type: Selected Flag: TRUE Casing Material: Abandonment Rec:

Audit No:Contractor:1806Tag:Form Version:1

Constructn Method: Owner:

Elevation (m):County:HASTINGSElevatn Reliabilty:Lot:009Depth to Bedrock:Concession:05Well Depth:Concession Name:CONOverburden/Bedrock:Easting NAD83:

Pump Rate:Northing NAD83:Static Water Level:Zone:Clear/Cloudy:UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2904011.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1968/04/23

 Year Completed:
 1968

 Depth (m):
 10.0584

 Latitude:
 44.2398521829789

 Longitude:
 -77.3947092086136

 Path:
 290\2904011.pdf

Bore Hole Information

 Bore Hole ID:
 10159662
 Elevation:

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 308779.90

 Code OB Desc:
 North83:
 4901302.00

Open Hole: Org CS:

Cluster Kind: UTMRC: 4

Date Completed: 23-Apr-1968 00:00:00 **UTMRC Desc:** margin of error : 30 m - 100 m

Order No: 23021600530

Remarks: Location Method: p4

Loc Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m

Elevrc Desc: Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931465552

Layer:

Color:

General Color:

Mat1: 02

Most Common Material: TOPSOIL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 2.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931465553

Layer: 2

Color: General Color:

Mat1: 11

Most Common Material:GRAVELMat2:13

Mat2 Desc: BOULDERS

Mat3:

Mat3 Desc:

Formation Top Depth: 2.0
Formation End Depth: 27.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931465554

Layer: 3
Color:

General Color:

General Color:

Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 27.0 Formation End Depth: 33.0

Formation End Depth. 33.0

Method of Construction & Well

<u>Use</u>

Method Construction ID:962904011Method Construction Code:1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10708232

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930272740

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

Depth From:

Depth To: 27.0 Casing Diameter: 6.0

Casing Diameter UOM: inch Casing Depth UOM:

Construction Record - Casing

930272741 Casing ID:

Layer: Material:

OPEN HOLE Open Hole or Material:

Depth From:

33.0 Depth To: Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

PUMP Pumping Test Method Desc: 992904011 Pump Test ID:

Pump Set At:

Static Level: 10.0 Final Level After Pumping: 20.0 Recommended Pump Depth: 28.0 Pumping Rate: 10.0 Flowing Rate: Recommended Pump Rate: 5.0 Levels UOM: ft GPM Rate UOM: Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: 1 Pumping Duration HR: 2 **Pumping Duration MIN:** 0 Flowing: No

Water Details

933617480 Water ID:

Layer: 1 Kind Code: **FRESH** Kind: Water Found Depth: 29.0 Water Found Depth UOM:

Links

Bore Hole ID: 10159662 Tag No:

Depth M: 10.0584 Contractor: 1806 Year Completed:

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

Well Completed Dt: 1968/04/23 Latitude: 44.2398521829789

Audit No: Longitude: -77.3947092086136

1 of 1 **50** S/41.9 109.8 / -9.70 lot 9 con 4 **WWIS** ON

Well ID: 2903092 Flowing (Y/N): **Construction Date:** Flow Rate:

Use 1st: Domestic Data Entry Status: Use 2nd: Data Src:

Final Well Status: Water Supply Date Received: 30-Apr-1962 00:00:00

Water Type: Selected Flag: TRUE

Casing Material: Abandonment Rec: Audit No: Contractor: 2208

Tag: Form Version: Constructn Method: Owner:

Elevation (m): County: **HASTINGS** Elevatn Reliabilty: 009 Lot: Depth to Bedrock: Concession: 04 Well Depth: Concession Name: CON

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83:

Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

THURLOW TOWNSHIP Municipality:

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2903092.pdf

Additional Detail(s) (Map)

Well Completed Date: 1961/11/03 Year Completed: 1961 Depth (m): 10.0584

44.2399486695584 Latitude: -77.3913944946149 Longitude: 290\2903092.pdf Path:

Bore Hole Information

Bore Hole ID: Elevation: 10158750 DP2BR: Elevrc:

Spatial Status: Zone: 18 Code OB: East83: 309044.90 Code OB Desc: North83: 4901305.00

Open Hole: Org CS: UTMRC: Cluster Kind:

03-Nov-1961 00:00:00 margin of error: 100 m - 300 m Date Completed: **UTMRC Desc:**

Order No: 23021600530

Location Method: Remarks: р5

Loc Method Desc: Original Pre1985 UTM Rel Code 5: margin of error: 100 m - 300 m Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock **Materials Interval**

931463313 Formation ID: Layer:

Color:

General Color:

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 12

 Mat2 Desc:
 STONES

Mat3:

Mat3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 18.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931463314

Layer: 2

Color:

General Color:

lat1: 11

Most Common Material: GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 18.0 Formation End Depth: 33.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962903092

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10707320

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930271007

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

Depth From:

Depth To: 33.0
Casing Diameter: 6.0
Casing Diameter UOM: inch

Casing Diameter UOM: In the Casing Depth UOM: In the Casing Depth UOM:

Results of Well Yield Testing

Pumping Test Method Desc:PUMPPump Test ID:992903092

Pump Set At:

Static Level: 16.0

Мар Кеу	Number Record		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Final Level A Recommend Pumping Rate Flowing Rate Recommend Levels UOM: Rate UOM: Water State A Water State A Pumping Tes Pumping Du Pumping Du Flowing:	led Pump D te: e: led Pump R After Test C After Test: st Method: ration HR: ration MIN:	epth: late: Code:	16.0 20.0 5.0 ft GPM 1 CLEAR 1 1 0				
Water ID: Layer: Kind Code: Kind: Water Found Water Found		м:	933616611 1 1 FRESH 33.0 ft				
Links Bore Hole ID Depth M: Year Comple Well Comple Audit No:	eted:	1015875 10.0584 1961 1961/11/			Tag No: Contractor: Path: Latitude: Longitude:	2208 290\2903092.pdf 44.2399486695584 -77.3913944946149	
<u>51</u>	1 of 1		ESE/45.2	114.8 / -4.70	lot 11 con 4 ON		wwis
Well ID: Construction Use 1st: Use 2nd: Final Well St Water Type: Casing Mate Audit No: Tag: Constructn In Elevation (m Elevation (m Elevatn Relia Depth to Bec Well Depth: Overburden/ Pump Rate: Static Water Clear/Cloudy Municipality. Site Info:	ratus: rial: Method:): abilty: drock: Bedrock: Level:	7234404 C26364 A143293		SHIP	Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: County: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	Yes 23-Dec-2014 00:00:00 TRUE 6946 8 HASTINGS 011 04 CON	
Additional D		<u>(a</u>					
Well Comple Year Comple	ted Date:						

Order No: 23021600530

Depth (m):

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

Latitude: 44.241365789422 Longitude: -77.3847631642038

Path:

Bore Hole Information

Bore Hole ID: 1005265785 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 Code OB: East83: 309579.00 Code OB Desc: 4901447.00 North83: Open Hole: Org CS: UTM83 Cluster Kind: UTMRC:

Date Completed: **UTMRC Desc:** margin of error: 10 - 30 m

Remarks: Location Method:

Loc Method Desc: from gis Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Links

Bore Hole ID: Tag No: A143293 1005265785

Depth M: Contractor: 6946 Year Completed: Path:

Well Completed Dt: Latitude: 44.241365789422 Audit No: C26364 Longitude: -77.3847631642038

1 of 1 109.8 / -9.70 **52** SE/45.7 lot 10 con 5 **WWIS** ON

Well ID: 2903193 Flowing (Y/N):

Construction Date:

Flow Rate: Domestic Data Entry Status: Use 1st: Use 2nd: Data Src:

21-Dec-1959 00:00:00 Final Well Status: Water Supply Date Received:

Water Type: Selected Flag: TRUE Casing Material: Abandonment Rec:

Audit No: Contractor: 1821 Tag: Form Version: 1 Constructn Method: Owner:

HASTINGS Elevation (m): County:

Elevatn Reliabilty: 010 Lot: Depth to Bedrock: Concession: 05 CON Well Depth: Concession Name:

Easting NAD83: Overburden/Bedrock:

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

Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2903193.pdf

Order No: 23021600530

Additional Detail(s) (Map)

Well Completed Date: 1959/11/03 Year Completed: 1959 14.9352 Depth (m):

44.2412215387295 Latitude: Longitude: -77.3890791604998 Path: 290\2903193.pdf

Bore Hole Information

Bore Hole ID: 10158851 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 Code OB: East83: 309233.90 Code OB Desc: 4901441.00 North83:

Open Hole: Org CS:

Cluster Kind: UTMRC: Date Completed: 03-Nov-1959 00:00:00 **UTMRC Desc:** margin of error: 100 m - 300 m

Remarks: Location Method:

Loc Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m

Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931463562

Layer: 3 Color:

General Color:

15 Mat1:

LIMESTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 39.0 Formation End Depth: 49.0

Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931463560

Layer:

Color: General Color:

Mat1: 05 CLAY Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 35.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931463561 Layer: 2

Color:

General Color:

Mat1: 11
Most Common Material: GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 35.0 Formation End Depth: 39.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:962903193Method Construction Code:1Method Construction:Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10707421

 Casing No:
 1

 Comment:
 1

Alt Name:

Construction Record - Casing

Casing ID: 930271198

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 49.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

 Casing ID:
 930271197

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 39.0

 Casing Diameter:
 6.0

 Casing Diameter UOM:
 inch

Casing Diameter UOM: inc Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc:PUMPPump Test ID:992903193

Pump Set At:
Static Level: 11.0
Final Level After Pumping: 20.0
Recommended Pump Depth: 11.0
Pumping Rate: 10.0

Flowing Rate:

Recommended Pump Rate: 5.0

Levels UOM:ftRate UOM:GPMWater State After Test Code:1Water State After Test:CLEARPumping Test Method:1Pumping Duration HR:1Pumping Duration MIN:0Flowing:No

Water Details

Water ID: 933616706

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 40.0

 Water Found Depth UOM:
 ft

Links

 Bore Hole ID:
 10158851
 Tag No:

 Depth M:
 14.9352
 Contractor:
 1821

 Year Completed:
 1959
 Path:
 290\2903193.pdf

 Well Completed Dt:
 1959/11/03
 Latitude:
 44.2412215387295

 Audit No:
 Longitude:
 -77.3890791604998

53 1 of 1 SE/47.7 109.8 / -9.70 lot 10 con 5 ON WWIS

Well ID: 2903200 Flowing (Y/N):
Construction Date: Flow Rate:

Use 1st: Domestic Data Entry Status:

 Use 2nd:
 0
 Data Src:
 1

 Final Well Status:
 Water Supply
 Date Received:
 25-Jan-1966 00:00:00

Water Type:Selected Flag:TRUECasing Material:Abandonment Rec:Audit No:Contractor:1507Tag:Form Version:1

Tag:Form Version:1Constructn Method:Owner:Elevation (m):County:HASTINGS

 Elevatn Reliabilty:
 Lot:
 010

 Depth to Bedrock:
 Concession:
 05

 Well Depth:
 Concession Name:
 CON

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

Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2903200.pdf

Order No: 23021600530

Additional Detail(s) (Map)

 Well Completed Date:
 1965/09/30

 Year Completed:
 1965

 Depth (m):
 12.4968

 Latitude:
 44.2411783951164

 Longitude:
 -77.3889897498217

 Path:
 290\2903200.pdf

Bore Hole Information

Bore Hole ID: 10158858 Elevation:

DP2BR: Elevrc: Spatial Status:

Zone: 18 Code OB: East83: 309240.90 4901436.00 Code OB Desc: North83:

Open Hole: Org CS:

Cluster Kind: UTMRC:

Date Completed: 30-Sep-1965 00:00:00 **UTMRC Desc:** margin of error: 100 m - 300 m

Remarks: Location Method: Loc Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m

Elevrc Desc: Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931463577 Layer: 2 2 Color: General Color: **GREY** Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 37.0 Formation End Depth: 41.0 ft Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931463576

Layer:

Color:

General Color:

Mat1: 11 Most Common Material: **GRAVEL** Mat2:

Mat2 Desc: MEDIUM SAND

Mat3: 13

Mat3 Desc: **BOULDERS** Formation Top Depth: 0.0 37.0 Formation End Depth:

Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962903200 **Method Construction Code:**

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10707428

Casing No: Comment: Alt Name: 1

Construction Record - Casing

Casing ID: 930271210

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

Depth From:

Depth To: 40.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930271211

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:41.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP Pump Test ID: 992903200

Pump Set At:

Rate UOM:

Static Level: 15.0
Final Level After Pumping: 30.0
Recommended Pump Depth: 37.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft

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

Water Details

Water ID: 933616712

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 39.0

 Water Found Depth UOM:
 ft

Links

Bore Hole ID: 10158858 **Tag No:**

GPM

Depth M: 12.4968 **Contractor:** 1507

 Year Completed:
 1965
 Path:
 290\2903200.pdf

 Well Completed Dt:
 1965/09/30
 Latitude:
 44.2411783951164

 Audit No:
 Longitude:
 -77.3889897498217

54 1 of 1 SSW/49.7 109.1 / -10.42 lot 9 con 5 ON WWIS

Well ID: 2904004 **Flowing (Y/N)**:

Construction Date: Flow Rate:
Use 1st: Domestic Data Entry Status:

Use 2nd: 0 Data Src: 1

Final Well Status: Water Supply Date Received: 08-Jan-1969 00:00:00

Water Type: Selected Flag: TRUE Casing Material: Abandonment Rec:

Audit No:Contractor:1806Tag:Form Version:1

 Constructn Method:
 Owner:

 Elevation (m):
 County:
 HASTINGS

 Elevatn Reliabilty:
 Lot:
 009

 Depth to Bedrock:
 Concession:
 05

Depth to Bedrock:Concession:05Well Depth:Concession Name:CONOverburden/Bedrock:Easting NAD83:

Pump Rate: Resulting NAD83:

Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2904004.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1968/12/06

 Year Completed:
 1968

 Depth (m):
 6.7056

 Latitude:
 44.2398679274196

 Longitude:
 -77.3939584607483

 Path:
 290\2904004.pdf

Bore Hole Information

Bore Hole ID: 10159655 Elevation: DP2BR: Elevrc:

DP2BR: Elevrc:
Spatial Status: Zone: 18

 Code OB:
 East83:
 308839.90

 Code OB Desc:
 North83:
 4901302.00

 Open Hole:
 Org CS:

Open Hole: Org CS: Cluster Kind: UTMRC:

 Date Completed:
 06-Dec-1968 00:00:00
 UTMRC Desc:
 margin of error : 30 m - 100 m

Remarks: Location Method: p4

Order No: 23021600530

Loc Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m

Elevro Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931465532

Layer: 2

Color:

General Color:

Mat1:11Most Common Material:GRAVELMat2:13

Mat2 Desc: BOULDERS

Mat3:

Mat3 Desc:

Formation Top Depth: 3.0
Formation End Depth: 22.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931465531

Layer: 1

Color:

General Color:

Mat1:02Most Common Material:TOPSOIL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 3.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962904004

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Alt Name:

Pipe ID: 10708225

Casing No: Comment:

Construction Record - Casing

Casing ID: 930272730

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

Depth From:

Depth To: 22.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP Pump Test ID: 992904004

Pump Set At:

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Static Level: Final Level A Recommend Pumping Rate Flowing Rate Recommend Levels UOM: Rate UOM: Water State A Pumping Tes Pumping Dur Flowing:	ed Pump De te: ed Pump Ra After Test Co After Test: st Method: ration HR:	pth: 18. 25. te: 5.0 ft GP ode: 1	0 0 0 M EAR				
<u>Water Details</u> Water ID:	<u>S</u>	933	3617472				
Layer: Kind Code: Kind: Water Found Water Found		1 1 FR 18.	ESH				
<u>Links</u>							
Bore Hole ID Depth M: Year Comple Well Comple Audit No:	eted:	10159655 6.7056 1968 1968/12/06			Tag No: Contractor: Path: Latitude: Longitude:	1806 290\2904004.pdf 44.2398679274196 -77.3939584607483	
<u>55</u>	1 of 1	s	E/53.7	111.9/-7.61	lot 10 con 4 ON		WWIS
Well ID: Construction Use 1st: Use 2nd: Final Well St: Water Type: Casing Mater Audit No: Tag: Constructn M Elevation (m) Elevatn Relia Depth to Bed Well Depth: Overburden/ Pump Rate: Static Water Clear/Cloudy Municipality: Site Info:	a Date: atus: rial: Method:): ability: drock: Bedrock: Level:		URLOW TOWNS		Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: County: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 08-Aug-1962 00:00:00 TRUE 1507 1 HASTINGS 010 04 CON	
Additional De	etail(s) (Map)					
Well Comple Year Comple		196 196	62/07/06 62				

Depth (m): 15.8496

 Latitude:
 44.2405348283491

 Longitude:
 -77.3883375298288

 Path:
 290\2903106.pdf

Bore Hole Information

Bore Hole ID: 10158764 Elevation: DP2BR: Elevro:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 309290.90

 Code OB Desc:
 North83:
 4901363.00

Open Hole: Org CS:

Cluster Kind: UTMRC:

Date Completed: 06-Jul-1962 00:00:00 **UTMRC Desc:** margin of error : 100 m - 300 m

Remarks: Location Method: p5

Elevrc Desc:

Loc Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m

Location Source Date:

Improvement Location Source:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

 Formation ID:
 931463345

 Layer:
 2

 Color:
 2

 General Color:
 GREY

General Color: GREY
Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 35.0
Formation End Depth: 52.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931463344

Layer: 1

Color:

General Color:

Mat1: 09

Most Common Material: MEDIUM SAND

Mat2: 13

Mat2 Desc: BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 35.0 Formation End Depth UOM: ft

Method of Construction & Well

Use

Method Construction ID: 962903106

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10707334

Casing No: Comment: Alt Name:

Construction Record - Casing

Casing ID: 930271034

Layer: 1
Material: 1

Open Hole or Material:STEELDepth From:37.0Casing Diameter:6.0

Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930271035

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:52.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP

Pump Test ID: 992903106

Pump Set At:

Static Level:30.0Final Level After Pumping:43.0Recommended Pump Depth:49.0Pumping Rate:33.0

Flowing Rate:

Recommended Pump Rate: 33.0 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: No

Water Details

Water ID: 933616622

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

Order No: 23021600530

40.0

Water Found Depth:

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

Water Found Depth UOM:

Links

Bore Hole ID: 10158764 15.8496 Depth M:

ft

Contractor: 1507 Year Completed: Path: 290\2903106.pdf 1962 Well Completed Dt: 1962/07/06 44.2405348283491 Latitude: Audit No: Longitude: -77.3883375298288

1 of 1 ESE/54.7 114.8 / -4.70 lot 10 con 4 **56 WWIS** ON

Tag No:

2903113 Well ID: Flowing (Y/N): Construction Date: Flow Rate:

Use 1st: **Public** Data Entry Status:

Use 2nd: Data Src: 07-Mar-1967 00:00:00 Final Well Status: Water Supply Date Received:

TRUE Water Type: Selected Flag: Casing Material: Abandonment Rec:

Audit No: Contractor: 1507

Form Version: Tag: Owner: Constructn Method:

County: **HASTINGS** Elevation (m): Elevatn Reliabilty: Lot: 010 Depth to Bedrock: Concession: 04 Well Depth: Concession Name: CON

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83:

Static Water Level: Zone:

Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2903113.pdf

Additional Detail(s) (Map)

Well Completed Date: 1967/01/23 Year Completed: 1967 21.336 Depth (m):

Latitude: 44.2409755450781 Longitude: -77.3857743063683 290\2903113.pdf Path:

Bore Hole Information

Bore Hole ID: 10158771 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 309497.00 Code OB: East83: 4901406.00 Code OB Desc: North83:

Open Hole: Org CS:

UTMRC: Cluster Kind:

Date Completed: 23-Jan-1967 00:00:00 UTMRC Desc: margin of error: 100 m - 300 m

Order No: 23021600530

Remarks: Location Method: Original Pre1985 UTM Rel Code 5: margin of error: 100 m - 300 m Loc Method Desc:

Elevrc Desc: Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931463361

Layer:

Color: General Color:

Mat1: CLAY Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

0.0 Formation Top Depth: Formation End Depth: 8.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931463362

Layer:

Color:

General Color:

Mat1: 14

HARDPAN Most Common Material: Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 13 **BOULDERS** Mat3 Desc:

Formation Top Depth: 8.0 Formation End Depth: 41.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931463363

Layer: Color: 0

General Color:

00 Mat1:

UNKNOWN TYPE Most Common Material:

Mat2: 00

Mat2 Desc: **UNKNOWN TYPE** Mat3:

UNKNOWN TYPE Mat3 Desc:

Formation Top Depth: 41.0 Formation End Depth: 70.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

962903113 **Method Construction ID:**

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10707341

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930271048

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

Depth From:

Depth To: 44.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930271049

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 70.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc:PUMPPump Test ID:992903113

Pump Set At: Static Level:

Static Level: 20.0
Final Level After Pumping: 60.0
Recommended Pump Depth: 67.0
Pumping Rate: 25.0
Flowing Rate: 25.0

Recommended Pump Rate: 25.0 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 No Flowing:

Water Details

 Water ID:
 933616628

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 65.0

 Water Found Depth UOM:
 ft

Water Details

Water ID: 933616627

Number of Direction/ Elev/Diff Site DΒ Map Key

Layer: Kind Code: 5

Records

Not stated Kind: Water Found Depth: 49.0 Water Found Depth UOM: ft

Links

Bore Hole ID: 10158771 Depth M: 21.336

Year Completed: 1967 Well Completed Dt: 1967/01/23

Audit No:

Tag No: Contractor: 1507

290\2903113.pdf Path: 44.2409755450781 Latitude: -77.3857743063683 Longitude:

04-Jan-2017 00:00:00

TRUE

Yes

1507

011

04

CON

HASTINGS

WWIS

1 of 1 ESE/58.3 114.0 / -5.49 626 HARMONY ROAD lot 11 con 4 **57**

(m)

BELLEVILLE ON

Data Entry Status:

Abandonment Rec:

Concession Name:

Easting NAD83:

Northing NAD83:

UTM Reliability:

Flowing (Y/N): Flow Rate:

Date Received:

Selected Flag:

Form Version:

Concession:

Contractor:

Owner:

County:

Lot:

Zone:

Data Src:

Well ID: 7278389

Construction Date: Use 1st: Use 2nd:

Final Well Status:

Water Type: Casing Material:

Audit No: Z235939

Tag:

Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock:

Well Depth: Overburden/Bedrock: Pump Rate:

Static Water Level: Clear/Cloudy:

PDF URL (Map):

Distance (m)

THURLOW TOWNSHIP Municipality:

Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/727\7278389.pdf

Additional Detail(s) (Map)

Well Completed Date: 2016/12/15 Year Completed: 2016

Depth (m):

Latitude: 44.2417625190794 -77.3843033056011 Longitude: 727\7278389.pdf Path:

Bore Hole Information

1006327048 Bore Hole ID:

DP2BR: Spatial Status:

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

Date Completed: 15-Dec-2016 00:00:00 Remarks:

Loc Method Desc: on Water Well Record

Elevrc Desc:

Elevation:

Elevrc:

Zone:

East83: 309617.00 4901490.00 North83: UTM83 Org CS: UTMRC:

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

Order No: 23021600530

Location Method:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

Formation ID: 1006475775

Layer: Color: General Color:

Mat1:

Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: Formation End Depth: Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1006475781

Layer:

Plug From: Plug To:

Plug Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1006475782

Layer: 2 Plug From: 0.0 13.5 Plug To: Plug Depth UOM: ft

Method of Construction & Well

Use

Method Construction ID: 1006475780

Method Construction Code: Method Construction: Other Method Construction:

Pipe Information

Pipe ID: 1006475774

Casing No: Comment:

Construction Record - Casing

Casing ID: 1006475778

Layer: 1

Material:

Alt Name:

Open Hole or Material:

Depth From: Depth To: Casing Diameter: Casing Diameter UOM:

inch Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006475779

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM:

ft Screen Diameter UOM: inch

Screen Diameter:

Water Details

1006475777 Water ID:

Layer: Kind Code: Kind:

Water Found Depth:

Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006475776 Diameter: 13.5

Depth From: 0.0 0.17000000178813934 Depth To:

Hole Depth UOM: ft

Hole Diameter UOM: inch

Links

Bore Hole ID: 1006327048

Depth M:

2016 Year Completed: Well Completed Dt: 2016/12/15 Z235939 Audit No:

Tag No:

Contractor: 1507

727\7278389.pdf Path: Latitude: 44.2417625190794 -77.3843033056011 Longitude:

1 of 1 114.8 / -4.70 **58** ESE/61.3 lot 11 con 4 **WWIS** ON

Well ID: 2904225

Construction Date:

Public Use 1st:

Use 2nd: 0

Water Supply Final Well Status:

Water Type: Casing Material:

Audit No: Tag:

Constructn Method:

Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth:

Flow Rate: Data Entry Status: Data Src:

Flowing (Y/N):

20-May-1969 00:00:00 Date Received:

TRUE Selected Flag:

Abandonment Rec:

Contractor: 1507 Form Version: 1

Owner:

HASTINGS County: Lot: 011 Concession: 04 CON

Concession Name:

DB Map Key Number of Direction/ Elev/Diff Site

Records Distance (m) (m)

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83:

Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2904225.pdf

Additional Detail(s) (Map)

1968/07/10 Well Completed Date: Year Completed: 1968 Depth (m): 22.86

44.2413263012144 Latitude: Longitude: -77.3844985762223 290\2904225.pdf Path:

Bore Hole Information

10159853 Bore Hole ID: Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18

309600.00 East83: Code OB: Code OB Desc: North83: 4901442.00

Org CS: Open Hole: Cluster Kind: **UTMRC**:

10-Jul-1968 00:00:00 Date Completed: **UTMRC Desc:** margin of error: 30 m - 100 m

Order No: 23021600530

Location Method: Remarks: Loc Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931466104

Layer:

Color: General Color:

05 Mat1:

Most Common Material: CLAY Mat2:

Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 10.0 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931466105

Layer: Color:

General Color:

09 Mat1:

Most Common Material: MEDIUM SAND

 Mat2:
 11

 Mat2 Desc:
 GRAVEL

 Mat3:
 13

 Mat3 Desc:
 BOULDERS

 Formation Top Depth:
 10.0

 Formation End Depth:
 38.0

 Formation End Depth UOM:
 ft

Overburden and Bedrock

Materials Interval

Formation ID: 931466106

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 38.0 Formation End Depth: 75.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962904225

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10708423

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930273093

Layer: 2

Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:75.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930273092

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

Depth From:

Depth To: 41.0 Casing Diameter: 6.0

Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP Pump Test ID: 992904225

Pump Set At:
Static Level: 22.0
Final Level After Pumping: 50.0
Recommended Pump Depth: 72.0
Pumping Rate: 25.0
Flowing Rate:

Recommended Pump Rate: 25.0

Levels UOM: ft
Rate UOM: GPM

Water State After Test Code: 1

Water State After Test: CLEAR

Pumping Test Method: 1

Pumping Duration HR: 3

Water Details

Flowing:

Pumping Duration MIN:

Water ID: 933617678

Layer: 1
Kind Code: 1

Kind: FRESH
Water Found Depth: 67.0
Water Found Depth UOM: ft

<u>Links</u>

Bore Hole ID: 10159853 **Depth M:** 22.86

0

No

 Depth M:
 22.86
 Contractor:
 1507

 Year Completed:
 1968
 Path:
 290\2904225.pdf

 Well Completed Dt:
 1968/07/10
 Latitude:
 44.2413263012144

 Audit No:
 Longitude:
 -77.3844985762223

59 1 of 1 SSW/61.8 109.9 / -9.67 lot 8 con 4 WWIS

Tag No:

Order No: 23021600530

Well ID: 2904148 Flowing (Y/N):
Construction Date: Flow Rate:

Use 1st: Domestic Data Entry Status:
Use 2nd: 0 Data Src:

 Use 2nd:
 0
 Data Src:
 1

 Final Well Status:
 Water Supply
 Date Received:
 10-Apr-1969 00:00:00

Water Type: Selected Flag: TRUE Casing Material: Abandonment Rec:

Audit No:Contractor:1806Tag:Form Version:1

Constructn Method: Owner:
Elevation (m): County: HASTINGS

 Elevatn Reliabilty:
 Lot:
 008

 Depth to Bedrock:
 Concession:
 04

 Well Depth:
 Concession Name:
 CON

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

Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2904148.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1969/03/06

 Year Completed:
 1969

 Depth (m):
 8.8392

 Latitude:
 44.2388364541693

 Longitude:
 -77.3959202763611

 Path:
 290\2904148.pdf

Bore Hole Information

Bore Hole ID: 10159776 Elevation:

DP2BR: Elevrc: Spatial Status: Zone:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 308679.90

 Code OB Desc:
 North83:
 4901192.00

Open Hole: Org CS:

Cluster Kind: UTMRC: 4

 Date Completed:
 06-Mar-1969 00:00:00
 UTMRC Desc:
 margin of error: 30 m - 100 m

Remarks: Location Method: p4

Loc Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m

Elevro Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931465898

Layer:

Color:

General Color:

Mat1: 05
Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 2.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931465899

Layer: 2

Color:

General Color:

Mat1: 11

Most Common Material: GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 2.0
Formation End Depth: 29.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962904148

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10708346

Casing No: Comment: Alt Name:

Construction Record - Casing

Casing ID: 930272945

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 29.0

 Casing Diameter:
 6.0

 Casing Diameter UOM:
 inch

Results of Well Yield Testing

Casing Depth UOM:

Pumping Test Method Desc: PUMP Pump Test ID: 992904148

Pump Test ID: 992904'
Pump Set At:
Static Level: 8.0

Final Level After Pumping: 15.0
Recommended Pump Depth: 25.0
Pumping Rate: 25.0

Flowing Rate:

Recommended Pump Rate: 15.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR

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

Water Details

Water ID: 933617608

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 25.0

 Water Found Depth UOM:
 ft

<u>Links</u>

Number of Direction/ Elev/Diff Site DΒ Map Key

Records Distance (m) (m)

Bore Hole ID: 10159776 Tag No: Depth M: 8.8392 Contractor: 1806

290\2904148.pdf Year Completed: 1969 Path: Well Completed Dt: 1969/03/06 Latitude: 44.2388364541693 -77.3959202763611 Audit No:

Longitude:

60 1 of 1 SSW/65.0 108.4 / -11.12 lot 9 con 4 **WWIS** ON

Well ID: 2904013 Flowing (Y/N):

Construction Date: Flow Rate: **Domestic** Data Entry Status: Use 1st:

Data Src: Use 2nd:

07-Jun-1968 00:00:00 Final Well Status: Water Supply Date Received:

Water Type: Selected Flag: TRUE Casing Material: Abandonment Rec:

Audit No: Contractor: 1806

Form Version: Tag: Constructn Method: Owner: County:

HASTINGS Elevation (m): Elevatn Reliabilty: Lot: 009 Depth to Bedrock: Concession: 04 Well Depth: Concession Name: CON

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

Zone: Clear/Cloudy: UTM Reliability:

THURLOW TOWNSHIP Municipality:

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2904013.pdf

Additional Detail(s) (Map)

1968/05/14 Well Completed Date: Year Completed: 1968 Depth (m): 5.4864

Latitude: 44.2391456830015 Longitude: -77.394054388188 290\2904013.pdf Path:

Bore Hole Information

Bore Hole ID: 10159664 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18

308829.90 Code OB: East83: North83: 4901222.00 Code OB Desc:

Open Hole: Org CS:

Cluster Kind: UTMRC:

14-May-1968 00:00:00 margin of error: 30 m - 100 m Date Completed: **UTMRC Desc:**

Order No: 23021600530

Remarks: Location Method:

Loc Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m

Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

931465558 Formation ID:

Layer:

Color: General Color:

Mat1: 05

Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

0.0 Formation Top Depth: Formation End Depth: 3.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931465559

Layer:

Color: General Color:

Mat1: 11 Most Common Material: **GRAVEL**

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 3.0 Formation End Depth: 10.0

Overburden and Bedrock

Formation End Depth UOM:

Materials Interval

931465561 Formation ID:

ft

Layer:

Color:

General Color:

Mat1: 11 Most Common Material: **GRAVEL**

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 16.0 Formation End Depth: 18.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931465560 3

Layer:

Color:

General Color:

Mat1:

LIMESTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 10.0 Formation End Depth: 16.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962904013

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10708234

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930272744

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

Depth To: 18.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP Pump Test ID: 992904013

 Pump Test ID:
 99290401

 Pump Set At:
 99290401

Static Level:3.0Final Level After Pumping:12.0Recommended Pump Depth:12.0Pumping Rate:10.0

Flowing Rate:

Recommended Pump Rate: 5.0

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

No

Water Details

Water ID: 933617482

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 16.0

 Water Found Depth UOM:
 ft

<u>Links</u>

Number of Direction/ Elev/Diff Site DΒ Map Key

1806

Order No: 23021600530

Records Distance (m) (m)

Bore Hole ID: 10159664 Tag No: Depth M: 5.4864 Contractor:

290\2904013.pdf Year Completed: 1968 Path: Well Completed Dt: 1968/05/14 Latitude: 44.2391456830015 -77.394054388188 Longitude:

Audit No:

61 1 of 1 SSE/66.4 109.8 / -9.70 lot 9 con 4 **WWIS** ON

Well ID: 2903091 Flowing (Y/N):

Construction Date: Flow Rate: Industrial Data Entry Status: Use 1st:

Data Src: Use 2nd:

26-Apr-1961 00:00:00 Final Well Status: Water Supply Date Received: Water Type: Selected Flag: TRUE

Casing Material: Abandonment Rec:

Audit No: Contractor: 2113 Form Version: Tag:

Constructn Method: Owner: **HASTINGS** County: Elevation (m): Elevatn Reliabilty: Lot: 009 Depth to Bedrock: Concession: 04

Well Depth: Concession Name: CON Overburden/Bedrock: Easting NAD83: Northing NAD83:

Pump Rate: Static Water Level: Zone:

Clear/Cloudy: UTM Reliability:

THURLOW TOWNSHIP Municipality:

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2903091.pdf

Additional Detail(s) (Map)

1961/04/12 Well Completed Date: Year Completed: 1961 Depth (m): 7.62

44.2400806310509 Latitude: Longitude: -77.3911118101346 290\2903091.pdf Path:

Bore Hole Information

Bore Hole ID: 10158749 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 309067.90 East83:

Code OB: North83: 4901319.00 Code OB Desc: Open Hole: Org CS:

Cluster Kind: UTMRC:

12-Apr-1961 00:00:00 margin of error: 100 m - 300 m Date Completed: **UTMRC Desc:**

Remarks: Location Method: р5

Loc Method Desc: Original Pre1985 UTM Rel Code 5: margin of error: 100 m - 300 m

Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931463312

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material:LIMESTONEMat2:17

Mat2 Desc: SHALE

Mat3: Mat3 Desc:

Formation Top Depth: 24.0 Formation End Depth: 25.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931463309

Layer: 1

Color:

General Color:

Mat1: 02

Most Common Material: TOPSOIL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 1.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931463311

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 13

Most Common Material: BOULDERS

Mat2: 05
Mat2 Desc: CLAY

Mat3: Mat3 Desc:

Formation Top Depth: 10.0 Formation End Depth: 24.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931463310

 Layer:
 2

 Color:
 6

 General Color:
 BF

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 12

Mat2 Desc: Mat3:

Mat3 Desc:

STONES

Formation Top Depth: 1.0 Formation End Depth: 10.0 ft Formation End Depth UOM:

Method of Construction & Well

<u>Use</u>

962903091 **Method Construction ID:**

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10707319 Casing No:

Comment: Alt Name:

Construction Record - Casing

930271005 Casing ID:

Layer: 1 Material: Open Hole or Material: STEEL Depth From: Depth To: 24.0 Casing Diameter: 8.0

Casing Diameter UOM: inch Casing Depth UOM:

Construction Record - Casing

930271006 Casing ID:

Layer: 2 Material:

Open Hole or Material: **OPEN HOLE**

Depth From:

Depth To: 25.0 Casing Diameter: 8.0 Casing Diameter UOM: inch ft Casing Depth UOM:

Results of Well Yield Testing

PUMP Pumping Test Method Desc:

Pump Test ID: 992903091

Pump Set At:

Static Level: 14.0 Final Level After Pumping: 22.0 Recommended Pump Depth: 20.0 Pumping Rate: 60.0 Flowing Rate:

Recommended Pump Rate: 50.0 Levels UOM: ft Rate UOM: GPM Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: Pumping Duration HR: 3 **Pumping Duration MIN:** 0

Order No: 23021600530

No

Flowing:

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

Records

Water Details Water ID:

Layer:

Kind Code:

FRESH Kind: Water Found Depth: 25.0 Water Found Depth UOM: ft

Links

Bore Hole ID: 10158749 Tag No:

933616610

Depth M: 7.62 Contractor: 2113

Year Completed: 1961 Path: 290\2903091.pdf 44.2400806310509 Well Completed Dt: 1961/04/12 Latitude: -77.3911118101346 Audit No: Longitude:

62 1 of 1 SSE/73.7 109.8 / -9.70 lot 10 con 5 **WWIS** ON

Well ID: 2903195 Flowing (Y/N):

Construction Date: Flow Rate:

Use 1st: **Domestic** Data Entry Status:

Use 2nd: Data Src: Final Well Status: Water Supply Date Received:

30-Jun-1960 00:00:00 TRUE

Water Type: Selected Flag: Abandonment Rec: Casing Material:

Audit No: Contractor: 1821 Tag:

Form Version: Constructn Method: Owner:

Elevation (m): County: **HASTINGS** Elevatn Reliabilty: Lot: 010 Concession: Depth to Bedrock: 05

Well Depth: Concession Name: CON Overburden/Bedrock: Easting NAD83:

Pump Rate: Northing NAD83: Zone:

Static Water Level: Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2903195.pdf

Order No: 23021600530

Additional Detail(s) (Map)

Well Completed Date: 1960/06/22 Year Completed: 1960 Depth (m): 15.24

Latitude: 44.2409508149116 Longitude: -77.3899698796009 290\2903195.pdf Path:

Bore Hole Information

10158853 Bore Hole ID: Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 309161.90 East83: Code OB: Code OB Desc: North83: 4901413.00

Open Hole: Org CS: Cluster Kind: **UTMRC**:

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

UTMRC Desc: 22-Jun-1960 00:00:00 unknown UTM Date Completed:

Remarks: Location Method: p9

Original Pre1985 UTM Rel Code 9: unknown UTM Loc Method Desc:

Elevrc Desc:

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

Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931463565

Layer:

Color:

General Color:

05 Mat1: Most Common Material: CLAY

Mat2: Mat2 Desc:

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 5.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931463566

Layer:

Color:

General Color:

Mat1: 11

GRAVEL Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 5.0 Formation End Depth: 37.0

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931463567

Layer: 3 Color:

General Color:

15 Mat1:

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 37.0 Formation End Depth: 50.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

962903195 **Method Construction ID:**

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10707423

Casing No:

Comment: Alt Name:

Construction Record - Casing

930271200 Casing ID:

Layer: Material: Open Hole or Material: STEEL

Depth From:

38.0 Depth To: Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

930271201 Casing ID:

Layer: Material:

OPEN HOLE Open Hole or Material:

Depth From:

50.0 Depth To: Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

PUMP Pumping Test Method Desc:

992903195 Pump Test ID:

Pump Set At:

15.0 Static Level: Final Level After Pumping: 20.0 Recommended Pump Depth: 20.0 20.0 Pumping Rate:

Flowing Rate:

Recommended Pump Rate: 5.0 Levels UOM: ft Rate UOM: GPM Water State After Test Code: 1 Water State After Test: **CLEAR**

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

Water Details

Water ID: 933616708

Layer:

Kind Code:

FRESH Kind: Water Found Depth: 45.0 Water Found Depth UOM: ft

Links

Bore Hole ID: 10158853 Depth M: 15.24

Year Completed: 1960 1960/06/22 Well Completed Dt:

Audit No:

Tag No: Contractor:

1821

Path: 290\2903195.pdf Latitude: 44.2409508149116 -77.3899698796009 Longitude:

63 1 of 3 SSE/74.1

ON3700662

109.8 / -9.70

Belleville Fire and Rescue-Fire Hall 4

GEN

GEN

Order No: 23021600530

516 Harmoney Rd Corbyville ON K0K 1V0

Generator No:

SIC Code: SIC Description:

Approval Years: As of Dec 2018

PO Box No:

Canada Country: Status: Registered

Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:

Detail(s)

Waste Class: 150 L

Waste Class Name: Inert organic wastes

Waste Class: 251 L

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

63 2 of 3 SSE/74.1

ON3700662

109.8 / -9.70

Belleville Fire and Rescue-Fire Hall 4

516 Harmoney Rd Corbyville ON K0K 1V0

Generator No:

SIC Code: SIC Description:

Approval Years: As of Jul 2020

PO Box No:

Canada Country: Status: Registered

Co Admin: Choice of Contact: Phone No Admin:

Contaminated Facility: MHSW Facility:

Detail(s)

Waste Class:

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

Waste Class: 150 L

Waste Class Name: Inert organic wastes

DI		Site	Elev/Diff (m)		Number Records	Мар Кеу
GEN		Belleville Fire and Reso 516 Harmoney Rd Corbyville ON K0K 1V0	109.8 / -9.70	SSE/74.1	3 of 3	63
				ON3700662	o:	Generator N SIC Code:
				As of Nov 2021		SIC Descrip Approval Ye PO Box No:
				Canada Registered	dmin:	Country: Status: Co Admin: Choice of Co Phone No A Contaminate
					ity:	MHSW Facil
						Detail(s)
				150 L Inert organic wastes	=	Waste Class Waste Class
			petroleum based)	251 L Waste oils/sludges		Waste Class Waste Class
EASF		JDH Junk Removal 541 Harmony RD belleville ON K0K 1V0	109.6 / -9.94	SSE/79.9	1 of 1	<u>64</u>
	Belleville belleville 44.24166667 -77.39027778	MOE District: Municipality: Latitude: Longitude: Geometry X:		R-004-4110133697 REGISTERED 2017-05-05 EASR MOFA); ;	Approval No Status: Date: Record Type Link Source
		Geometry Y:	Waste Management System EASR-Waste Management System Quinte		s: pe: ame:	Project Type Full Addres: Approval Ty SWP Area N PDF URL: PDF Site Lo
wwis		lot 9 con 5 ON	112.2 / -7.32	NW/83.5	1 of 4	<u>65</u>
		Flowing (Y/N): Flow Rate:		2917701	n Date:	Well ID: Constructio
		Data Entry Status:		Domestic		Jse 1st:
	1 12-Feb-1998 00:00:00	Data Src: Date Received:		Water Supply	atus:	Use 2nd: Final Well S
	TRUE	Selected Flag: Abandonment Rec:		,		Water Type: Casing Mate
	1805 1	Contractor: Form Version:		184588		Audit No: Tag:
	HASTINGS	Owner: County:) <i>:</i>	Constructn Elevation (n
	009 05 CON	Lot: Concession: Concession Name: Easting NAD83:			drock:	Elevatn Reli Depth to Be Well Depth: Overburden

9

Order No: 23021600530

Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2917701.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1998/01/16

 Year Completed:
 1998

 Depth (m):
 15.24

 Latitude:
 44.248799756687

 Longitude:
 -77.3973457152673

 Path:
 291\2917701.pdf

Bore Hole Information

Bore Hole ID: 10172814 Elevation: DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 308598.40

 Code OB Desc:
 North83:
 4902302.00

Open Hole: Org CS:

Cluster Kind: UTMRC:
Date Completed: 16-Jan-1998 00:00:00 UTMRC Desc:

Date Completed:16-Jan-1998 00:00:00UTMRC Desc:unknown UTMRemarks:Location Method:lot

Loc Method Desc: Lot centroid

Elevro Desc:

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

Source Revision Comment: Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931509485

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3:

Mat3 Desc:
Formation Top Depth: 18.0

Formation End Depth: 22.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509484

Layer: 1 Color: 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 13

Mat2 Desc: BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 18.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509486

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 22.0 Formation End Depth: 50.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933145525

 Layer:
 1

 Plug From:
 15.0

 Plug To:
 16.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933145526

 Layer:
 2

 Plug From:
 6.0

 Plug To:
 0.0

Plug Depth UOM: ft

Method of Construction & Well

Use

Method Construction ID:962917701Method Construction Code:1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10721384

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930293819

Layer: 1
Material: 1

Open Hole or Material:

Depth From:

Depth To: 22.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

STEEL

Construction Record - Casing

Casing ID: 930293820

2 Layer: Material:

OPEN HOLE Open Hole or Material:

Depth From:

Depth To: 50.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: **BAILER**

Pump Test ID: 992917701

Pump Set At:

Static Level: 3.0 Final Level After Pumping: 45.0 Recommended Pump Depth: 48.0 Pumping Rate: 5.0 Flowing Rate: Recommended Pump Rate: 4.0 Levels UOM: ft **GPM** Rate UOM: Water State After Test Code: **CLOUDY** Water State After Test: Pumping Test Method: 2 Pumping Duration HR: 1 **Pumping Duration MIN:** 0 Flowing: No

Draw Down & Recovery

934720566 Pump Test Detail ID: Test Type: Recovery Test Duration: 45 9.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934972385 Pump Test Detail ID: Test Type: Recovery Test Duration: 60 Test Level: 8.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934189854 Test Type: Recovery Test Duration: 15 Test Level: 17.0 ft Test Level UOM:

Draw Down & Recovery

 Pump Test Detail ID:
 934463062

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 11.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933632972

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

Water Found Depth: 24.0
Water Found Depth UOM: ft

<u>Links</u>

 Bore Hole ID:
 10172814
 Tag No:

 Depth M:
 15.24
 Contractor:

 Depth M:
 15.24
 Contractor:
 1805

 Year Completed:
 1998
 Path:
 291\2917701.pdf

 Well Completed Dt:
 1998/01/16
 Latitude:
 44.248799756687

 Audit No:
 184588
 Longitude:
 -77.3973457152673

65 2 of 4 NW/83.5 112.2 / -7.32 lot 9 con 5 ON WWIS

Flowing (Y/N):

Date Received:

Selected Flag:

Form Version:

Concession:

Contractor:

Owner:

County:

Lot:

Zone:

Data Entry Status:

Abandonment Rec:

Concession Name:

Easting NAD83:

Northing NAD83:

UTM Reliability:

12-Feb-1998 00:00:00

Order No: 23021600530

TRUE

1805

009 05

CON

HASTINGS

1

Flow Rate:

Data Src:

Well ID: 2917702

Construction Date:

Use 1st: Domestic

Use 2nd:
Final Well Status: Water Supply

Water Type:

Casing Material:

Audit No: 184586

Tag:

Constructn Method:

Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth:

Overburden/Bedrock:

Pump Rate: Static Water Level:

Clear/Cloudy:

Municipality: THURLOW TOWNSHIP Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2917702.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1998/01/28

 Year Completed:
 1998

 Depth (m):
 39.624

 Latitude:
 44.248799756687

 Longitude:
 -77.3973457152673

 Path:
 291\2917702.pdf

Bore Hole Information

10172815 Bore Hole ID:

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

Cluster Kind: Date Completed: 28-Jan-1998 00:00:00

Remarks: Loc Method Desc: Lot centroid

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

931509489 Formation ID:

3 Layer: Color: 2 **GREY** General Color: Mat1: 05 Most Common Material: CLAY Mat2: 13

Mat2 Desc: **BOULDERS** Mat3: 73

Mat3 Desc: HARD Formation Top Depth: 12.0 25.0 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931509488

Layer: 2 Color: 6 **BROWN** General Color: Mat1: 05 Most Common Material: CLAY Mat2: 13

Mat2 Desc: **BOULDERS**

Mat3:

Mat3 Desc:

9.0 Formation Top Depth: Formation End Depth: 12.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509491 Layer: 5 2 Color: General Color: **GREY**

Mat1: 15 Most Common Material: LIMESTONE

Mat2:

Elevation: Elevrc:

Zone:

308598.40 East83: North83: 4902302.00

Org CS:

UTMRC:

UTMRC Desc: unknown UTM

Location Method: lot

Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 48.0 Formation End Depth: 110.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931509490

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

Most Common Material: CLAY
Mat2: 73
Mat2 Desc: HARD

Mat3:

Mat3 Desc:

Formation Top Depth: 25.0 Formation End Depth: 48.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931509492

 Layer:
 6

 Color:
 1

 General Color:
 WHITE

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 110.0 Formation End Depth: 130.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931509487

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 12

 Mat2 Desc:
 STONES

 Mat3:
 13

 Mat3 Desc:
 BOULDERS

Formation Top Depth: 0.0 Formation End Depth: 9.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 933145528

 Layer:
 2

 Plug From:
 6.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933145527

 Layer:
 1

 Plug From:
 15.0

 Plug To:
 6.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:962917702Method Construction Code:1

Wethod Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10721385

Casing No: Comment: Alt Name:

Construction Record - Casing

Casing ID: 930293822

Layer: 2

Material:

Open Hole or Material: OPEN HOLE

Depth From:
Depth To: 130.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930293821

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

Depth From:

Depth To: 48.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER

Pump Test ID: 992917702

Pump Set At:

Static Level:8.0Final Level After Pumping:126.0Recommended Pump Depth:128.0

Pumping Rate: 2.0 Flowing Rate:

Recommended Pump Rate: 2.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2

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

Draw Down & Recovery

 Pump Test Detail ID:
 934720567

 Test Type:
 Recovery

 Test Duration:
 45

 Test Level:
 71.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934972386

 Test Type:
 Recovery

 Test Duration:
 60

 Test Level:
 62.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934463063

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 87.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934189855

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 109.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933632974

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 73.0

 Water Found Depth UOM:
 ft

Water Details

 Water ID:
 933632973

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 48.0

 Water Found Depth UOM:
 ft

Number of Direction/ Elev/Diff Site DΒ Map Key

Records Distance (m) (m)

Links

Bore Hole ID: 10172815 Tag No: Depth M: 39.624 Contractor: 1805

291\2917702.pdf Year Completed: 1998 Path: 1998/01/28 Latitude: 44.248799756687 Well Completed Dt: 184586 -77.3973457152673 Audit No: Longitude:

65 3 of 4 NW/83.5 112.2 / -7.32 lot 9 con 5 **WWIS** ON

Flowing (Y/N): Well ID: 2918486 Construction Date: Flow Rate:

Data Entry Status: Use 1st: Not Used

Use 2nd: Data Src: 09-Dec-1999 00:00:00 Final Well Status: Abandoned-Quality Date Received:

TRUE Water Type: Selected Flag:

Casing Material: Abandonment Rec:

207505 1805 Audit No: Contractor:

Form Version: Tag: 1 Constructn Method: Owner:

HASTINGS Elevation (m): County: Elevatn Reliabilty: Lot: 009 Depth to Bedrock: Concession: 05

Well Depth: Concession Name: CON Overburden/Bedrock: Easting NAD83:

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

Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2918486.pdf

Additional Detail(s) (Map)

Well Completed Date: 1999/11/17 Year Completed: 1999 Depth (m): 39.624

44.248799756687 Latitude: Longitude: -77.3973457152673 Path: 291\2918486.pdf

Bore Hole Information

10173599 Bore Hole ID: Elevation: DP2BR: Elevrc:

Spatial Status: 18 Zone: Code OB: East83: 308598.40 Code OB Desc: North83: 4902302.00

Open Hole: Org CS:

Cluster Kind: **UTMRC:** 17-Nov-1999 00:00:00

unknown UTM Date Completed: UTMRC Desc: Remarks: Location Method:

Order No: 23021600530

Loc Method Desc: Lot centroid

Elevrc Desc: Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

 Formation ID:
 931512483

 Layer:
 5

 Color:
 2

General Color: GREY Mat1: 2

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 48.0 Formation End Depth: 110.0 Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931512479

Layer: 1 Color: 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 12

 Mat2 Desc:
 STONES

 Mat3:
 13

 Mat3 Desc:
 BOULDERS

Formation Top Depth: 0.0
Formation End Depth: 9.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931512481

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 13

Mat2 Desc:BOULDERSMat3:73Mat3 Desc:HARDFormation Top Depth:12.0Formation End Depth:25.0Formation End Depth UOM:ft

Overburden and Bedrock

Materials Interval

Formation ID: 931512482

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 73

Mat2 Desc: HARD

Mat3: Mat3 Desc:

Formation Top Depth: 25.0 Formation End Depth: 48.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931512480

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 13

Mat2 Desc: BOULDERS

Mat3:

Mat3 Desc:

Formation Top Depth: 9.0
Formation End Depth: 12.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931512484

 Layer:
 6

 Color:
 1

 General Color:
 WHITE

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 110.0 Formation End Depth: 130.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933146297

 Layer:
 1

 Plug From:
 130.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962918486
Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10722169

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

 Casing ID:
 930295040

 Layer:
 1

Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 48.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

 Casing ID:
 930295041

 Layer:
 2

Layer: Material:

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 130.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Water Details

 Water ID:
 933633810

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 48.0

 Water Found Depth UOM:
 ft

Water Details

 Water ID:
 933633811

 Layer:
 2

 Kind Code:
 2

 Kind:
 SALTY

 Water Found Depth:
 73.0

 Water Found Depth UOM:
 ft

Links

Bore Hole ID: 10173599 **Tag No:**

39.624 Contractor: 1805 Depth M: Year Completed: 1999 Path: 291\2918486.pdf Well Completed Dt: 1999/11/17 Latitude: 44.248799756687 Audit No: 207505 Longitude: -77.3973457152673

65 4 of 4 NW/83.5 112.2 / -7.32 lot 9 con 5 ON WWIS

Flowing (Y/N):

Order No: 23021600530

Flow Rate:

Well ID: 2911842

Construction Date:

Use 1st: Domestic Data Entry Status:
Use 2nd: Data Src:

Final Well Status: Water Supply Date Received: 03-Feb-1988 00:00:00

Selected Flag:

Abandonment Rec:

TRUE

Order No: 23021600530

Water Type: Casing Material:

10033 1507 Audit No: Contractor: Tag: Form Version:

Constructn Method: Owner: **HASTINGS** Elevation (m): County: Elevatn Reliabilty: Lot: 009 05 Depth to Bedrock: Concession:

Well Depth: Concession Name: CON Overburden/Bedrock: Easting NAD83:

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

Clear/Cloudy: UTM Reliability: THURLOW TOWNSHIP

Municipality: Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2911842.pdf

Additional Detail(s) (Map)

Well Completed Date: 1987/11/12 Year Completed: 1987 Depth (m): 28.6512

Latitude: 44.248799756687 Longitude: -77.3973457152673 291\2911842.pdf Path:

Bore Hole Information

Bore Hole ID: 10166973 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 308598.40 Code OB: East83: 4902302.00 Code OB Desc: North83:

Open Hole: Org CS:

Cluster Kind: UTMRC: Date Completed: 12-Nov-1987 00:00:00 UTMRC Desc:

unknown UTM Remarks: Location Method:

Loc Method Desc: Lot centroid

Elevrc Desc: Location Source Date:

Improvement Location Source: Improvement Location Method:

Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

931488110 Formation ID:

Layer: Color: 6 General Color: **BROWN** Mat1: 28 SAND Most Common Material: Mat2: 05 Mat2 Desc: CLAY Mat3: 77 Mat3 Desc: LOOSE Formation Top Depth: 0.0 Formation End Depth: 3.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931488113 Layer:

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

Most Common Material: LIMESTONE

Mat2: 73 HARD Mat2 Desc:

Mat3: Mat3 Desc:

Formation Top Depth: 51.0 Formation End Depth: 94.0 Formation End Depth UOM: ft

Overburden and Bedrock **Materials Interval**

931488111 Formation ID:

Layer: Color: 6

BROWN General Color: Mat1: 05 Most Common Material: CLAY 13

Mat2: **BOULDERS** Mat2 Desc:

Mat3: 79 Mat3 Desc: **PACKED** Formation Top Depth: 3.0 Formation End Depth: 17.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931488112

3 Layer: 2 Color: **GREY** General Color: 05 Mat1: Most Common Material: CLAY Mat2: 14

Mat2 Desc: **HARDPAN** Mat3: Mat3 Desc: **GRAVEL** Formation Top Depth: 17.0 51.0 Formation End Depth: Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962911842 **Method Construction Code:**

Cable Tool **Method Construction:**

Other Method Construction:

Pipe Information

Pipe ID: 10715543

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930284325

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

Depth From:

Depth To: 4.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930284326

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:94.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 992911842

Pump Set At:

Static Level: 15.0 Final Level After Pumping: 94.0 Recommended Pump Depth: 91.0 Pumping Rate: 2.0 Flowing Rate: 2.0 Recommended Pump Rate: Levels UOM: ft GPM Rate UOM: Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: 2 Pumping Duration HR: 1 **Pumping Duration MIN:** 0 Flowing: No

Draw Down & Recovery

 Pump Test Detail ID:
 934175459

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 80.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934976093

 Test Type:
 Recovery

 Test Duration:
 60

 Test Level:
 30.0

Test Level UOM:

Draw Down & Recovery

 Pump Test Detail ID:
 934457332

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 60.0

 Test Level UOM:
 ft

ft

Draw Down & Recovery

 Pump Test Detail ID:
 934724163

 Test Type:
 Recovery

 Test Duration:
 45

 Test Level:
 45.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933626225

 Layer:
 1

 Kind Code:
 1

Kind: FRESH
Water Found Depth: 51.0
Water Found Depth UOM: ft

Links

 Bore Hole ID:
 10166973
 Tag No:

 Depth M:
 28.6512
 Contractor:
 1507

 Year Completed:
 1987
 Path:
 291\2911842.pdf

 Well Completed Dt:
 1987/11/12
 Latitude:
 44.248799756687

 Audit No:
 10033
 Longitude:
 -77.3973457152673

66 1 of 1 ESE/89.4 114.8 / -4.70 lot 10 con 4 WWIS

 Well ID:
 2903096
 Flowing (Y/N):

 Construction Date:
 Flow Rate:

 Use 1st:
 Public
 Data Entry Status:

Use 2nd: 0 Data Src:

Final Well Status: Water Supply Date Received: 03-Aug-1960 00:00:00

Water Type: Selected Flag: TRUE
Casing Material: Abandonment Rec:

Casing Material:Abandonment Rec:Audit No:Contractor:1507

Tag: Contractor: 1307

Constructn Method: Owner:

Elevation (m):County:HASTINGSElevatn Reliability:Lot:010Depth to Bedrock:Concession:04

Well Depth: Concession Name: CON
Overburden/Bedrock: Easting NAD83:

Pump Rate:Northing NAD83:Static Water Level:Zone:Clear/Cloudy:UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2903096.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1960/07/15

 Year Completed:
 1960

 Depth (m):
 19.5072

 Latitude:
 44.2407688083333

 Longitude:
 -77.3853276313559

 Path:
 290\2903096.pdf

Bore Hole Information

Bore Hole ID: 10158754 Elevation:

DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 309532.00

 Code OB Desc:
 North83:
 4901382.00

Open Hole: Org CS:

Cluster Kind: UTMRC: 5

Date Completed: 15-Jul-1960 00:00:00 **UTMRC Desc:** margin of error : 100 m - 300 m

Remarks: Location Method: p5
Loc Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931463324

Layer: 2

Color:

General Color:

Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 38.0 Formation End Depth: 64.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931463323

Layer: 1

Color:

General Color:

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 11

 Mat2 Desc:
 GRAVEL

Mat3: 09

Mat3 Desc: MEDIUM SAND

Formation Top Depth: 0.0
Formation End Depth: 38.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962903096

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

10707324 Pipe ID:

Casing No:

Comment: Alt Name:

Construction Record - Casing

930271014 Casing ID:

Layer: 1 Material: STEEL Open Hole or Material:

Depth From:

Depth To: 40.0 Casing Diameter: 6.0 Casing Diameter UOM: inch

Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930271015

Layer: 2 Material:

OPEN HOLE Open Hole or Material:

Depth From:

64.0 Depth To: Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM:

Results of Well Yield Testing

PUMP Pumping Test Method Desc:

Pump Test ID: 992903096

Pump Set At:

Static Level: 15.0 Final Level After Pumping: 30.0 Recommended Pump Depth: 50.0 Pumping Rate: 33.0

Flowing Rate:

Recommended Pump Rate: 33.0 Levels UOM: Rate UOM: **GPM** Water State After Test Code:

CLEAR Water State After Test: Pumping Test Method: 1 **Pumping Duration HR:** 3 0 Pumping Duration MIN: Flowing: No

Water Details

Water ID: 933616615 Map Key Number of Direction/ Elev/Diff Site DB

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 60.0

Records

Water Found Depth UOM: ft

Links

Bore Hole ID: 10158754 **Depth M:** 19.5072

Year Completed: 1960 Well Completed Dt: 1960/07/15

Audit No:

Tag No:
Contractor: 1507

 Path:
 290\2903096.pdf

 Latitude:
 44.2407688083333

 Longitude:
 -77.3853276313559

Order No: 23021600530

67 1 of 10 N/92.3 118.3/-1.19 lot 10 con 5 ON WWIS

Well ID: 2917714 **Flowing (Y/N)**:

Distance (m)

(m)

Construction Date: Flow Rate:

Use 1st: Domestic Data Entry Status:

Use 2nd: Data Src: 1

Final Well Status:Test HoleDate Received:09-Mar-1998 00:00:00Water Type:Selected Flag:TRUE

Casing Material: Abandonment Rec:

 Audit No:
 184589
 Contractor:
 1805

 Tag:
 Form Version:
 1

Tag: Form Version: 1
Constructn Method: Owner:
Elevation (m): County: HASTINGS

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

Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2917714.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1998/02/17

 Year Completed:
 1998

 Depth (m):
 13.716

 Latitude:
 44.249949597858

 Longitude:
 -77.3927455781744

 Path:
 291\2917714.pdf

Bore Hole Information

Bore Hole ID: 10172827 Elevation: DP2BR: Elevro:

Spatial Status: Zone: 18

 Code OB:
 East83:
 308969.40

 Code OB Desc:
 North83:
 4902419.00

 Open Hole:
 Org CS:

Cluster Kind: UTMRC:

Date Completed: 17-Feb-1998 00:00:00 UTMRC Desc: unknown UTM

Remarks: Location Method:

Loc Method Desc: Lot centroid

Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock Materials Interval

Formation ID: 931509530

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 66

 Mat2 Desc:
 DENSE

Mat3:

Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 5.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931509533

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 10.0 Formation End Depth: 45.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931509531

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: 13
Mat2 Desc: BOULDERS

Mat3: 71

Mat3 Desc: FRACTURED

Formation Top Depth: 5.0
Formation End Depth: 8.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509532

Layer: 3

Color: 2
General Color: GREY

Mat1: 17
Most Common Material: SHALE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 8.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933145541

 Layer:
 2

 Plug From:
 4.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933145540

 Layer:
 1

 Plug From:
 9.0

 Plug To:
 4.0

Plug To: 4.0
Plug Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:962917714Method Construction Code:1Method Construction:Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10721397

Casing No: Comment: Alt Name:

Construction Record - Casing

Casing ID: 930293844

Layer: 3 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:45.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930293842

Layer: 1

Material: 1

Open Hole or Material: STEEL

Depth From:
Depth To: 9.0
Casing Diameter: 6.0
Casing Diameter UOM: inch

Construction Record - Casing

Casing Depth UOM:

Casing ID: 930293843

ft

30

No

 Layer:
 2

 Material:
 1

Open Hole or Material: STEEL

Depth From:

Depth To: 10.0
Casing Diameter: 8.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 992917714

Pump Set At:

Static Level: 2.0 Final Level After Pumping: 30.0 Recommended Pump Depth: 42.0 Pumping Rate: 20.0 Flowing Rate: 8.0 Recommended Pump Rate: Levels UOM: ft **GPM** Rate UOM: Water State After Test Code: 2 Water State After Test: **CLOUDY** Pumping Test Method: 2 Pumping Duration HR: 1

Draw Down & Recovery

Pumping Duration MIN:

Flowing:

 Pump Test Detail ID:
 934720576

 Test Type:
 Recovery

 Test Duration:
 45

 Test Level:
 3.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934189864

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 4.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:934463072Test Type:RecoveryTest Duration:30Test Level:3.0

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

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 934972396 Recovery Test Type: Test Duration: 60 3.0 Test Level: Test Level UOM: ft

ft

Water Details

Water ID: 933632987 Layer: 2

Kind Code:

SULPHUR Kind: 33.0 Water Found Depth: Water Found Depth UOM: ft

Water Details

933632986 Water ID:

Layer: 1 Kind Code:

FRESH Kind: Water Found Depth: 10.0 Water Found Depth UOM: ft

Links

10172827 Bore Hole ID: Tag No:

Depth M: 13.716 Contractor: 1805 Year Completed: 1998 Path: 291\2917714.pdf 1998/02/17 Latitude: 44.249949597858 Well Completed Dt: Audit No: 184589 Longitude: -77.3927455781744

67 2 of 10 N/92.3 118.3 / -1.19 lot 10 con 5 **WWIS** ON

Flowing (Y/N):

Date Received:

Selected Flag:

Form Version:

Concession:

Contractor:

Owner:

County:

Lot:

Zone:

Abandonment Rec:

Concession Name:

Easting NAD83: Northing NAD83:

UTM Reliability:

Flow Rate: Data Entry Status:

Data Src:

Well ID: 2917715

Construction Date: Use 1st: Not Used

Use 2nd: Final Well Status: Unfinished

Water Type:

Casing Material:

Audit No: 184573

Tag: Constructn Method:

Elevation (m): Elevatn Reliabilty: Depth to Bedrock:

Well Depth:

Overburden/Bedrock: Pump Rate:

Static Water Level: Clear/Cloudy:

THURLOW TOWNSHIP

Municipality: Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2917715.pdf

09-Mar-1998 00:00:00

TRUE

1805

HASTINGS

1

010

CON

05

Additional Detail(s) (Map)

 Well Completed Date:
 1998/02/10

 Year Completed:
 1998

 Depth (m):
 11.5824

 Latitude:
 44.249949597858

 Longitude:
 -77.3927455781744

 Path:
 291\2917715.pdf

Bore Hole Information

Bore Hole ID: 10172828

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

Date Completed: 10-Feb-1998 00:00:00

Remarks:

Loc Method Desc: Lot centroid

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931509535

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

Mat1: 05
Most Common Material: CLAY
Mat2: 13

Mat2 Desc: BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 5.0
Formation End Depth: 11.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509538

 Layer:
 5

 Color:
 6

 General Color:
 BROWN

 Mat1:
 28

 Most Common Material:
 SAND

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 24.0 Formation End Depth: 28.0 Formation End Depth UOM: ft Elevation: Elevrc:

Zone: 18

East83: 308969.40 North83: 4902419.00 Org CS:

UTMRC:

UTMRC Desc: unknown UTM

Order No: 23021600530

Location Method: lo

Overburden and Bedrock

Materials Interval

Formation ID: 931509539

 Layer:
 6

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 13

Mat2 Desc: BOULDERS Mat3: 71

Mat3 Desc: FRACTURED

Formation Top Depth: 28.0 Formation End Depth: 38.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509534

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 5.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509536

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 12

 Mat2 Desc:
 STONES

Mat3: Mat3 Desc:

Formation Top Depth: 11.0 Formation End Depth: 17.0

Formation End Depth: 17.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509537

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 14

 Most Common Material:
 HARDPAN

Mat2: Mat2 Desc:

Mat3 Desc:

Formation Top Depth: 17.0 Formation End Depth: 24.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933145543

 Layer:
 2

 Plug From:
 6.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933145542

 Layer:
 1

 Plug From:
 12.0

 Plug To:
 6.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:962917715Method Construction Code:1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10721398

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

 Casing ID:
 930293846

 Layer:
 2

Material:

Open Hole or Material: OPEN HOLE

Depth From:Depth To:38.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930293845

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

Depth From:

Depth To: 37.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

Links

 Bore Hole ID:
 10172828
 Tag No:

 Depth M:
 11.5824
 Contractor:

 Depth M:
 11.5824
 Contractor:
 1805

 Year Completed:
 1998
 Path:
 291\2917715.pdf

 Well Completed Dt:
 1998/02/10
 Latitude:
 44.249949597858

 Audit No:
 184573
 Longitude:
 -77.3927455781744

67 3 of 10 N/92.3 118.3 / -1.19 lot 10 con 5 ON WWIS

Well ID: 2917716 Flowing (Y/N): Construction Date: Flow Rate:

Use 1st: Domestic Data Entry Status:
Use 2nd: Data Src:

Final Well Status: Water Supply Date Received: 09-Mar-1998 00:00:00

Water Type: Selected Flag: TRUE Casing Material: Abandonment Rec:

 Audit No:
 184587
 Contractor:
 1805

Tag: Form Version: 1
Constructn Method: Owner:

Elevation (m):County:HASTINGSElevatn Reliabilty:Lot:010Depth to Bedrock:Concession:05

Well Depth: Concession Name: CON
Overburden/Bedrock: Easting NAD83:

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

Clear/Cloudy: 2016. UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2917716.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1998/02/03

 Year Completed:
 1998

 Depth (m):
 14.0208

 Latitude:
 44.249949597858

 Longitude:
 -77.3927455781744

 Path:
 291\2917716.pdf

Bore Hole Information

Bore Hole ID: 10172829 Elevation: DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 308969.40

 Code OB Desc:
 North83:
 4902419.00

Open Hole: Org CS: Cluster Kind: UTMRC:

 Cluster Kind:
 UTMRC:
 9

 Date Completed:
 03-Feb-1998 00:00:00
 UTMRC Desc:
 unknown UTM

Order No: 23021600530

Remarks: Location Method: lot

Loc Method Desc: Lot centroid
Elevrc Desc:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

 Formation ID:
 931509543

 Layer:
 4

 Color:
 2

 General Color:
 GREY

General Color: GREY **Mat1:** 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 21.0
Formation End Depth: 46.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931509541

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 14

 Mat2:
 14

Mat2 Desc: HARDPAN

Mat3: Mat3 Desc:

Formation Top Depth: 1.0
Formation End Depth: 19.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509542

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 13

Mat2 Desc:BOULDERSMat3:14Mat3 Desc:HARDPANFormation Top Depth:19.0Formation End Depth:21.0Formation End Depth UOM:ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509540

Layer: 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 11

 Mat2 Desc:
 GRAVEL

 Mat3:
 12

 Mat3 Desc:
 STONES

 Formation Top Depth:
 0.0

 Formation End Depth:
 1.0

 Formation End Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933145544

 Layer:
 1

 Plug From:
 12.0

 Plug To:
 6.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933145545

 Layer:
 2

 Plug From:
 6.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:962917716Method Construction Code:1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Alt Name:

Pipe ID: 10721399

Casing No: 1
Comment:

Construction Record - Casing

 Casing ID:
 930293848

 Layer:
 2

 Material:
 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:46.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930293847

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

Depth From:

Depth To: 21.0 **Casing Diameter:** 6.0

Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc:BAILERPump Test ID:992917716

Pump Set At:
Static Level: 15.0
Final Level After Pumping: 30.0
Recommended Pump Depth: 44.0
Pumping Rate: 15.0

Flowing Rate:

Recommended Pump Rate: 8.0 Levels UOM: GPM Rate UOM: Water State After Test Code: 2 **CLOUDY** Water State After Test: Pumping Test Method: 2 **Pumping Duration HR:** 0 **Pumping Duration MIN:** Flowing: No

Draw Down & Recovery

 Pump Test Detail ID:
 934720577

 Test Type:
 Recovery

 Test Duration:
 45

 Test Level:
 15.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934463073

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 15.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934972397

 Test Type:
 Recovery

 Test Duration:
 60

 Test Level:
 15.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934189865

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 15.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933632988

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

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

Water Found Depth: 24.0 Water Found Depth UOM: ft

Links

Bore Hole ID: 10172829 Tag No:

14.0208 Contractor: Depth M: 1805

291\2917716.pdf Year Completed: 1998 Path: Well Completed Dt: 1998/02/03 Latitude: 44.249949597858 Audit No: 184587 Longitude: -77.3927455781744

4 of 10 N/92.3 118.3 / -1.19 lot 10 con 5 **67 WWIS**

CON

Order No: 23021600530

Well ID: 2917873 Flowing (Y/N): Construction Date: Flow Rate:

Use 1st: Domestic Data Entry Status: Use 2nd: Data Src:

Final Well Status: 08-Sep-1998 00:00:00 Water Supply Date Received:

TRUE Water Type: Selected Flag:

Casing Material: Abandonment Rec:

Audit No: 184605 Contractor: 1805 Tag: Form Version:

Constructn Method: Owner:

Elevation (m): County: **HASTINGS** Elevatn Reliabilty: Lot: 010 Depth to Bedrock: Concession: 05

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

Static Water Level: Zone:

Clear/Cloudy: UTM Reliability:

THURLOW TOWNSHIP Municipality:

Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2917873.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 1998/08/17 1998 Year Completed: Depth (m): 19.812

Latitude: 44.249949597858 -77.3927455781744 Longitude: Path: 291\2917873.pdf

Bore Hole Information

Bore Hole ID: 10172986 Elevation: DP2BR: Elevrc:

Spatial Status: 18 Zone:

308969.40 Code OB: East83: Code OB Desc: North83: 4902419.00 Open Hole: Org CS:

Cluster Kind: UTMRC:

Date Completed: 17-Aug-1998 00:00:00 **UTMRC Desc:** unknown UTM

Location Method: lot Remarks:

Loc Method Desc: Lot centroid Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method:

Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931510234

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 17

 Most Common Material:
 SHALE

 Mat2:
 71

Mat2 Desc: FRACTURED

Mat3: Mat3 Desc:

Formation Top Depth: 16.0 Formation End Depth: 17.0

Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931510233

 Layer:
 3

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL

Mat3: Mat3 Desc:

Formation Top Depth: 9.0
Formation End Depth: 16.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931510231

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: 35

Mat2 Desc: WOOD FRAGMENTS

Mat3:66Mat3 Desc:DENSEFormation Top Depth:0.0Formation End Depth:4.0Formation End Depth UOM:ft

Overburden and Bedrock

Materials Interval

Formation ID: 931510235

 Layer:
 5

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 17.0 Formation End Depth: 65.0 Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931510232

 Layer:
 2

 Color:
 6

General Color: BROWN Mat1: 05
Most Common Material: CLAY

Mat2:13Mat2 Desc:BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 4.0
Formation End Depth: 9.0
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933145721

 Layer:
 2

 Plug From:
 8.0

 Plug To:
 5.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933145720

 Layer:
 1

 Plug From:
 16.0

 Plug To:
 8.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933145722

 Layer:
 3

 Plug From:
 5.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962917873

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10721556

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930294116

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

Depth From:

Depth To:16.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930294117

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:65.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER **Pump Test ID:** 992917873

Pump Set At: Static Level:

Static Level:12.0Final Level After Pumping:60.0Recommended Pump Depth:63.0Pumping Rate:4.0

Flowing Rate:

Recommended Pump Rate: 4.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2

Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0

Flowing: No

Draw Down & Recovery

 Pump Test Detail ID:
 934463625

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 14.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 934721129

 Test Type:
 Recovery

 Test Duration:
 45

 Test Level:
 13.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934190418

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 21.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934972949

 Test Type:
 Recovery

 Test Duration:
 60

 Test Level:
 13.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933633184

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 58.0

 Water Found Depth UOM:
 ft

Water Details

 Water ID:
 933633183

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

Kind: FRESI Water Found Depth: 17.0 Water Found Depth UOM: ft

<u>Links</u>

 Bore Hole ID:
 10172986
 Tag No:

 Depth M:
 19.812
 Contractor:

 Year Completed:
 1998
 Path:
 291\2917873.pdf

 Well Completed Dt:
 1998/08/17
 Latitude:
 44.249949597858

 Audit No:
 184605
 Longitude:
 -77.3927455781744

67 5 of 10 N/92.3 118.3 / -1.19 lot 10 con 5 ON WWIS

1805

Order No: 23021600530

 Well ID:
 2917874
 Flowing (Y/N):

 Construction Date:
 Flow Rate:

 Use 1st:
 Domestic
 Data Entry State

Domestic Data Entry Status:
Data Src:

Final Well Status:Water SupplyDate Received:08-Sep-1998 00:00:00Water Type:Selected Flag:TRUE

 Casing Material:
 Abandonment Rec:

 Audit No:
 195064
 Contractor:
 1805

 Tag:
 Form Version:
 1

Construct Method: Owner:

Elevation (m): County: HASTINGS

Use 2nd:

 Elevatn Reliabilty:
 Lot:
 010

 Depth to Bedrock:
 Concession:
 05

 Well Depth:
 Concession Name:
 CON

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

Clear/Cloudy: 2016.

UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2917874.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1998/08/28

 Year Completed:
 1998

 Depth (m):
 16.764

 Latitude:
 44.249949597858

 Longitude:
 -77.3927455781744

 Path:
 291\2917874.pdf

Bore Hole Information

 Bore Hole ID:
 10172987
 Elevation:

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 308969.40

 Code OB Desc:
 North83:
 4902419.00

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 28-Aug-1998 00:00:00 UTMRC Desc: unknown UTM

Remarks: Location Method: lot

Loc Method Desc: Lot centroid

Elevre Desc:

Location Source Date: Improvement Location Source:

Improvement Location Method: Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931510238

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 11.0
Formation End Depth: 55.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931510237

 Layer:
 2

Color: 6 General Color: **BROWN** Mat1: 05 Most Common Material: CLAY Mat2: **GRAVEL** Mat2 Desc: Mat3: 12 Mat3 Desc: **STONES** Formation Top Depth: 8.0 Formation End Depth: 11.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931510236

Layer: 1 **Color:** 6

BROWN General Color: 05 CLAY Most Common Material: Mat2: 12 **STONES** Mat2 Desc: Mat3: 66 Mat3 Desc: **DENSE** Formation Top Depth: 0.0 Formation End Depth: 8.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 933145724

 Layer:
 2

 Plug From:
 4.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933145723

 Layer:
 1

 Plug From:
 10.0

 Plug To:
 4.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962917874

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10721557

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930294118

Layer: 1
Material: 1
Open Hole or Material: STI

Open Hole or Material: STEEL Depth From:

Depth To: 11.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

 Casing ID:
 930294119

 Layer:
 2

Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:55.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 992917874

Pump Set At:

Static Level:12.0Final Level After Pumping:40.0Recommended Pump Depth:52.0Pumping Rate:9.0Flowing Rate:

Recommended Pump Rate: 7.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2

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

Draw Down & Recovery

 Pump Test Detail ID:
 934463626

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 14.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934190419

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 17.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934721130

 Test Type:
 Recovery

 Test Duration:
 45

 Test Level:
 13.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934972950

 Test Type:
 Recovery

 Test Duration:
 60

 Test Level:
 13.0

 Test Level UOM:
 ft

Water Details

Water ID: 933633185

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 18.0

 Water Found Depth UOM:
 ft

Water Details

Water ID: 933633186

Layer: 2 Kind Code: 3

Kind: SULPHUR
Water Found Depth: 29.0
Water Found Depth UOM: ft

Links

 Bore Hole ID:
 10172987
 Tag No:

 Depth M:
 16.764
 Contractor:

 Year Completed:
 1998
 Path:
 291\2917874.pdf

 Well Completed Dt:
 1998/08/28
 Latitude:
 44.249949597858

 Audit No:
 195064
 Longitude:
 -77.3927455781744

67 6 of 10 N/92.3 118.3 / -1.19 lot 10 con 5 ON WWIS

Flowing (Y/N):

1805

Order No: 23021600530

Well ID: 2917875

Construction Date: Flow Rate:
Use 1st: Domestic Data Entry Status:

 Use 2nd:
 Data Src:
 1

 Final Well Status:
 Water Supply
 Date Received:
 08-Sep-1998 00:00:00

Water Type: Selected Flag: TRUE

Casing Material: Selected Flag. Abandonment Rec:

 Audit No:
 184604
 Contractor:
 1805

 Tag:
 Form Version:
 1

Tag: Form Version: 1
Constructn Method: Owner:
Elevation (m): County: HASTINGS

 Elevation (iii).
 County.
 Indicates

 Elevatn Reliability:
 Lot:
 010

 Depth to Bedrock:
 Concession:
 05

 Well Depth:
 Concession Name:
 CON

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

Clear/Cloudy: UTM Reliability:

unknown UTM

Order No: 23021600530

THURLOW TOWNSHIP Municipality:

Site Info:

 $https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2917875.pdf$ PDF URL (Map):

Additional Detail(s) (Map)

1998/08/24 Well Completed Date: Year Completed: 1998 Depth (m): 30.48

44.249949597858 Latitude: -77.3927455781744 Longitude: Path: 291\2917875.pdf

Bore Hole Information

10172988 Bore Hole ID: Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 Code OB: East83: 308969.40 Code OB Desc: North83: 4902419.00

Open Hole: Org CS:

Cluster Kind: UTMRC: 24-Aug-1998 00:00:00 UTMRC Desc: Date Completed:

Remarks: Location Method: lot

Loc Method Desc: Lot centroid

Elevrc Desc:

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

Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931510243 Layer: 5

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

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 14.0 Formation End Depth: 72.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931510239 Formation ID:

Layer: Color: **BROWN** General Color: Mat1: 05

Most Common Material: CLAY 35 Mat2

Mat2 Desc: WOOD FRAGMENTS

Mat3:

Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 5.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931510242

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 73

 Mat2 Desc:
 HARD

Mat3:

Mat3 Desc:

Formation Top Depth: 10.0 Formation End Depth: 14.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931510241

Layer: 3 Color: 6

General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 13

Mat2 Desc:BOULDERSMat3:12Mat3 Desc:STONESFormation Top Depth:8.0Formation End Depth:10.0Formation End Depth UOM:ft

Overburden and Bedrock

Materials Interval

Formation ID: 931510244

 Layer:
 6

 Color:
 1

 General Color:
 WHITE

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 72.0 Formation End Depth: 100.0

Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931510240

Layer: 2 **Color:** 6

BROWN General Color: Mat1: 05 CLAY Most Common Material: Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 12 Mat3 Desc: **STONES** Formation Top Depth: 5.0 Formation End Depth: 8.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933145726

 Layer:
 2

 Plug From:
 6.0

 Plug To:
 4.0

ft

Annular Space/Abandonment

Sealing Record

Plug Depth UOM:

 Plug ID:
 933145725

 Layer:
 1

 Plug From:
 10.0

 Plug To:
 6.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933145727

 Layer:
 3

 Plug From:
 4.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:962917875Method Construction Code:1Method Construction:Cable Tool

Other Method Construction:

Pipe Information

Alt Name:

 Pipe ID:
 10721558

 Casing No:
 1

 Comment:
 1

Construction Record - Casing

 Casing ID:
 930294121

 Layer:
 2

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 100.0

6.0 Casing Diameter: Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930294120

Layer: Material:

Open Hole or Material: **STEEL**

Depth From:

Depth To: 14.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM:

Results of Well Yield Testing

Pumping Test Method Desc: **BAILER** Pump Test ID: 992917875

Pump Set At:

Static Level: 9.0 Final Level After Pumping: 96.0 97.0 Recommended Pump Depth: Pumping Rate: 3.0

Flowing Rate:

Recommended Pump Rate: 3.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: CLOUDY Water State After Test: Pumping Test Method: 2 **Pumping Duration HR:** 0 **Pumping Duration MIN:** No Flowing:

Draw Down & Recovery

934190420 Pump Test Detail ID: Test Type: Recovery Test Duration: 15 69.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934972951 Test Type: Recovery Test Duration: 60 31.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934721131 Test Type: Recovery Test Duration: 45 35.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934463627 Test Type: Recovery Test Duration: 30 Test Level: 47.0 Test Level UOM: ft

Water Details

Water ID: 933633188 Layer: Kind Code: **FRESH** Kind: Water Found Depth: 41.0

Water Details

Water Found Depth UOM:

Water ID: 933633189 Layer: Kind Code: Kind: **FRESH** Water Found Depth: 72.0 Water Found Depth UOM: ft

Water Details

Water ID: 933633187 Layer: 1 Kind Code: **FRESH** Kind: Water Found Depth: 18.0

Water Found Depth UOM:

Links

Bore Hole ID: 10172988 Tag No: Depth M: 30.48 Contractor: 1805

Path: 1998 291\2917875.pdf Year Completed: Well Completed Dt: 1998/08/24 Latitude: 44.249949597858 Audit No: 184604 Longitude: -77.3927455781744

7 of 10 N/92.3 118.3 / -1.19 lot 10 con 5 **67 WWIS** ON

Selected Flag:

TRUE

Order No: 23021600530

2917914 Well ID: Flowing (Y/N):

Construction Date: Flow Rate: Use 1st: Domestic Data Entry Status:

Use 2nd: Data Src: 06-Oct-1998 00:00:00 Final Well Status: Water Supply Date Received:

Casing Material: Abandonment Rec:

1805 Audit No: 195062 Contractor: Tag: 1

Form Version: Constructn Method: Owner: **HASTINGS** Elevation (m): County:

Elevatn Reliabilty: Lot: 010 Depth to Bedrock: Concession: 05 CON Well Depth: Concession Name:

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83: Zone:

Static Water Level:

Water Type:

9

Order No: 23021600530

Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2917914.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1998/09/07

 Year Completed:
 1998

 Depth (m):
 18.5928

 Latitude:
 44.249949597858

 Longitude:
 -77.3927455781744

 Path:
 291\2917914.pdf

Bore Hole Information

Bore Hole ID: 10173027 Elevation: DP2BR: Elevrc:

 Cluster Kind:
 UTMRC:

 Date Completed:
 07-Sep-1998 00:00:00
 UTMRC Desc:

Date Completed:07-Sep-1998 00:00:00UTMRC Desc:unknown UTMRemarks:Location Method:lot

Loc Method Desc: Lot centroid

Elevrc Desc:

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

Source Revision Comment: Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931510400

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 25.0 Formation End Depth: 61.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931510397

Layer: 1 **Color:** 6

General Color: BROWN Mat1: 05
Most Common Material: CLAY

Mat2: Mat2 Desc:

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 6.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931510399

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: 71

Mat2 Desc: FRACTURED

 Mat3:
 26

 Mat3 Desc:
 ROCK

 Formation Top Depth:
 19.0

 Formation End Depth:
 25.0

 Formation End Depth UOM:
 ft

Overburden and Bedrock

Materials Interval

Mat1:

Formation ID: 931510398

05

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

 Most Common Material:
 CLAY

 Mat2:
 11

 Mat2 Desc:
 GRAVEL

 Mat3:
 12

 Mat3 Desc:
 STONES

 Formation Top Depth:
 6.0

 Formation End Depth:
 19.0

 Formation End Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933145757

 Layer:
 2

 Plug From:
 8.0

 Plug To:
 15.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933145756

 Layer:
 1

 Plug From:
 0.0

 Plug To:
 8.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962917914

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10721597

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930294184

Layer:

Material: 1

Open Hole or Material: STEEL Depth From:

Depth To: 25.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930294185

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:61.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER

Pump Test ID: 992917914

Pump Set At:

Static Level:28.0Final Level After Pumping:48.0Recommended Pump Depth:57.0Pumping Rate:15.0

Flowing Rate: Recommended Pump Rate:

Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY

Pumping Test Method:2Pumping Duration HR:1Pumping Duration MIN:0Flowing:No

Draw Down & Recovery

 Pump Test Detail ID:
 934972982

 Test Type:
 Recovery

 Test Duration:
 60

 Test Level:
 28.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934721163

 Test Type:
 Recovery

 Test Duration:
 45

 Test Level:
 28.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934190871

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 29.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934455314

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 28.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933633240

 Layer:
 2

 Kind Code:
 1

Kind: FRESH
Water Found Depth: 30.0
Water Found Depth UOM: ft

Water Details

Water ID: 933633239

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 28.0

 Water Found Depth UOM:
 ft

<u>Links</u>

 Bore Hole ID:
 10173027
 Tag No:

 Depth M:
 18.5928
 Contractor:
 1805

 Year Completed:
 1998
 Path:
 291\2917914.pdf

 Well Completed Dt:
 1998/09/07
 Latitude:
 44.249949597858

 Audit No:
 195062
 Longitude:
 -77.3927455781744

67 8 of 10 N/92.3 118.3/-1.19 lot 10 con 5 ON WWIS

Order No: 23021600530

Well ID: 2918005 Flowing (Y/N):
Construction Date: Flow Rate:

Use 1st: Domestic Prow Rate:

Domestic Data Entry Status:

Use 2nd: Data Src: 1

Final Well Status: Water Supply Date Received: 08-Jan-1999 00:00:00

Water Type: Selected Flag: TRUE

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

Casing Material:

Audit No: 195078

Tag: Constructn Method:

Elevation (m):

Elevatn Reliabilty: Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy:

Site Info:

PDF URL (Map):

Municipality:

THURLOW TOWNSHIP

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2918005.pdf

Elevation:

Elevrc:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

Zone:

Additional Detail(s) (Map)

Well Completed Date: 1998/12/16 Year Completed: 1998 Depth (m): 10.9728

44.249949597858 Latitude: -77.3927455781744 Longitude: Path: 291\2918005.pdf

Bore Hole Information

Bore Hole ID: 10173118

DP2BR: Spatial Status: Code OB:

Code OB Desc: Open Hole:

Cluster Kind:

16-Dec-1998 00:00:00 Date Completed:

Remarks:

Loc Method Desc: Lot centroid

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

931510758 Formation ID:

Layer: Color: **GREY** General Color: 05 Mat1: Most Common Material: CLAY Mat2: 11 **GRAVEL** Mat2 Desc:

Mat3: 13 Mat3 Desc: **BOULDERS**

Formation Top Depth: 9.0 Formation End Depth: 12.0 Formation End Depth UOM: ft

Lot: 010 Concession: 05 Concession Name: CON

1805

HASTINGS

1

18

lot

308969.40

4902419.00

unknown UTM

Easting NAD83: Northing NAD83: Zone:

Abandonment Rec:

Contractor:

Owner:

County:

Form Version:

UTM Reliability:

erisinfo.com | Environmental Risk Information Services

374

Overburden and Bedrock

Materials Interval

Formation ID: 931510759

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 12.0 Formation End Depth: 36.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931510756

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 12

 Mat2 Desc:
 STONES

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 4.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931510757

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 13

Mat2 Desc: BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 4.0 **Formation End Depth:** 9.0

Formation End Depth UOM: 9.0

Annular Space/Abandonment

Sealing Record

Plug ID: 933145844

 Layer:
 2

 Plug From:
 5.0

 Plug To:
 1.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 933145843

Layer: Plug From: 10.0 Plug To: 5.0 Plug Depth UOM: ft

Annular Space/Abandonment

Sealing Record

933145845 Plug ID:

Layer: 3 Plug From: 1.0 Plug To: 0.0 Plug Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962918005

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10721688

Casing No:

Comment: Alt Name:

Construction Record - Casing

930294315 Casing ID:

Layer: 2 Material:

Open Hole or Material: **OPEN HOLE**

Depth From:

36.0 Depth To: Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

930294314 Casing ID:

Layer: 1 Material: STEEL

Open Hole or Material:

Depth From: Depth To: 13.0

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

Results of Well Yield Testing

Pumping Test Method Desc: **BAILER** Pump Test ID: 992918005

Pump Set At:

Static Level: 6.0

6.0

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

Final Level After Pumping: Recommended Pump Depth: 33.0 25.0 Pumping Rate: Flowing Rate: Recommended Pump Rate: 25.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: 2 Water State After Test: **CLOUDY** Pumping Test Method: 2 **Pumping Duration HR:** 1 **Pumping Duration MIN:** 0 Flowing: No

9.0

Draw Down & Recovery

Pump Test Detail ID: 934455382 Test Type: Recovery Test Duration: 30 Test Level: 6.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934190938 Test Type: Recovery Test Duration: 15 Test Level: 6.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934721648 Test Type: Recovery Test Duration: 45 Test Level: 6.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934973050 Test Type: Recovery Test Duration: 60 6.0 Test Level: Test Level UOM: ft

Water Details

933633331 Water ID: Layer: 2 Kind Code: **FRESH** Kind: Water Found Depth: 20.0 Water Found Depth UOM: ft

Water Details

Water ID: 933633330 Layer: Kind Code: **FRESH** Kind:

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

Water Found Depth: 16.0 Water Found Depth UOM: ft

Links

Bore Hole ID: 10173118 Tag No:

10.9728 Contractor: 1805 Depth M:

291\2918005.pdf Year Completed: 1998 Path: Well Completed Dt: 1998/12/16 Latitude: 44.249949597858 Audit No: 195078 Longitude: -77.3927455781744

9 of 10 N/92.3 118.3 / -1.19 lot 10 con 5 **67 WWIS**

2915694 Well ID: Flowing (Y/N): Construction Date: Flow Rate:

Use 1st: Not Used Data Entry Status:

Use 2nd: Data Src: Final Well Status: Water Supply Date Received:

09-Jul-1993 00:00:00 TRUE

Water Type: Selected Flag: Abandonment Rec:

Casing Material: Audit No: 111056 Contractor: 1805

Tag: Form Version:

Constructn Method: Owner:

Elevation (m): County: **HASTINGS** Elevatn Reliabilty: Lot: 010 Depth to Bedrock: Concession: 05

Well Depth: Concession Name: CON Overburden/Bedrock: Easting NAD83:

Pump Rate: Northing NAD83:

Static Water Level: Zone: UTM Reliability:

Clear/Cloudy: THURLOW TOWNSHIP

Municipality: Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2915694.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 1993/06/23 Year Completed: 1993 Depth (m): 10.668

Latitude: 44.249949597858 -77.3927455781744 Longitude: Path: 291\2915694.pdf

Bore Hole Information

Bore Hole ID: 10170811 Elevation: DP2BR: Elevrc:

Spatial Status: 18

Zone: 308969.40 Code OB: East83: Code OB Desc: North83: 4902419.00

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 23-Jun-1993 00:00:00 **UTMRC Desc:** unknown UTM

Order No: 23021600530

Location Method: lot Remarks:

Loc Method Desc: Lot centroid Elevrc Desc:

Location Source Date: Improvement Location Source:

Improvement Location Method:

Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931501868

2 Layer: Color: 6

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

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 1.0 7.0 Formation End Depth: Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931501870 Formation ID:

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

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 11.0 Formation End Depth: 35.0

Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931501869

3 Layer: Color: 2 General Color: **GREY** 17 Mat1: Most Common Material: SHALE Mat2:

FRACTURED Mat2 Desc:

Mat3: Mat3 Desc:

Formation Top Depth: 7.0 11.0 Formation End Depth:

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931501867

Layer: Color: 6 General Color: **BROWN** Mat1: 02

Most Common Material: TOPSOIL Mat2: 05 CLAY Mat2 Desc:

Mat3: Mat3 Desc: Formation Top Depth:

0.0 1.0

ft

Method of Construction & Well

Formation End Depth:

Formation End Depth UOM:

<u>Use</u>

Method Construction ID: 962915694 **Method Construction Code:**

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10719381 Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930290607 Layer:

Material: **OPEN HOLE**

Open Hole or Material:

Depth From:

Depth To: 35.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM:

Construction Record - Casing

930290606 Casing ID:

Layer: Material: Open Hole or Material: STEEL

Depth From:

Depth To: 11.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: **BAILER** Pump Test ID: 992915694

Pump Set At:

Static Level: 2.0 Final Level After Pumping: 16.0 Recommended Pump Depth: 33.0 Pumping Rate: 3.0

Flowing Rate:

Recommended Pump Rate: 20.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code:

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

Draw Down & Recovery

 Pump Test Detail ID:
 934456958

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 2.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934975629

 Test Type:
 Recovery

 Test Duration:
 60

 Test Level:
 2.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934183181

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 2.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934723277

 Test Type:
 Recovery

 Test Duration:
 45

 Test Level:
 2.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933630711

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 11.0

 Water Found Depth UOM:
 ft

Water Details

 Water ID:
 933630712

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 18.0

 Water Found Depth UOM:
 ft

<u>Links</u>

Bore Hole ID: 10170811 **Tag No:**

Depth M: 10.668 **Contractor:** 1805

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

Year Completed: 1993 291\2915694.pdf Path: Well Completed Dt: 1993/06/23 Latitude: 44.249949597858 111056 Audit No: Longitude: -77.3927455781744

10 of 10 N/92.3 118.3 / -1.19 lot 10 con 5 67 **WWIS**

Well ID: 2916930 Flowing (Y/N):

Construction Date: Flow Rate: Use 1st: Domestic Data Entry Status:

Use 2nd: Data Src:

07-Dec-1995 00:00:00 Final Well Status: Water Supply Date Received: TRUE Water Type: Selected Flag:

Casing Material: Abandonment Rec:

160675 1805 Audit No: Contractor: Form Version: Tag: 1

Constructn Method: Owner: **HASTINGS** Elevation (m): County: Elevatn Reliabilty: Lot: 010

Depth to Bedrock: Concession: 05 CON Well Depth: Concession Name: Overburden/Bedrock: Easting NAD83:

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

UTM Reliability: Clear/Cloudy:

Municipality: THURLOW TOWNSHIP

Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2916930.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 1995/11/09 Year Completed: 1995 Depth (m): 24.0792

44.249949597858 Latitude: Longitude: -77.3927455781744 Path: 291\2916930.pdf

Bore Hole Information

Bore Hole ID: 10172043 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18

308969.40 Code OB: East83: Code OB Desc: North83: 4902419.00 Open Hole: Org CS:

Cluster Kind: UTMRC:

09-Nov-1995 00:00:00 unknown UTM Date Completed: **UTMRC Desc:**

Order No: 23021600530

Remarks: Location Method:

Loc Method Desc: Lot centroid

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931506453

 Layer:
 6

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 79.0 Formation End Depth: 79.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931506448

Layer:

Color: 6
General Color: BRO

General Color:BROWNMat1:02Most Common Material:TOPSOIL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 1.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931506452

Layer: 5 Color: 2 **GREY** General Color: Mat1: 05 Most Common Material: CLAY Mat2: 11 **GRAVEL** Mat2 Desc: Mat3: 73 Mat3 Desc: **HARD** Formation Top Depth: 38.0 Formation End Depth: 79.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931506450

Layer: Color: General Color: **BROWN** Mat1: 05 Most Common Material: CLAY Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 13 **BOULDERS** Mat3 Desc:

Formation End Depth: 18.0
Formation End Depth: 23.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931506451

Layer: Color: **GREY** General Color: Mat1: 05 Most Common Material: CLAY Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 13 Mat3 Desc: **BOULDERS**

Formation Top Depth: 23.0
Formation End Depth: 38.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931506449

 Layer:
 2

 Color:
 6

 General Color:
 BRO

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 12

 Mat2 Desc:
 STONES

Mat3: Mat3 Desc:

Formation Top Depth: 1.0
Formation End Depth: 18.0
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933144542

 Layer:
 2

 Plug From:
 10.0

 Plug To:
 15.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933144541

 Layer:
 1

 Plug From:
 0.0

 Plug To:
 10.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962916930

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

10720613 Pipe ID: Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930292589

2 Layer: Material:

OPEN HOLE Open Hole or Material:

Depth From:

Depth To: 79.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930292588

Layer: Material: 1

Open Hole or Material: **STEEL**

Depth From:

Depth To: 75.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM:

Results of Well Yield Testing

Pumping Test Method Desc: **BAILER**

Pump Test ID: 992916930

Pump Set At: Static Level:

64.0 Final Level After Pumping: 70.0 75.0 Recommended Pump Depth: Pumping Rate: 15.0

Flowing Rate:

Recommended Pump Rate: 8.0 Levels UOM: **GPM** Rate UOM:

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

No Flowing:

Draw Down & Recovery

Pumping Duration MIN:

934979462 Pump Test Detail ID: Test Type: Recovery Test Duration: 60 64.0 Test Level: Test Level UOM:

Draw Down & Recovery

934718335 Pump Test Detail ID:

Order No: 23021600530

0

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

Test Type: Recovery Test Duration: 45 64.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934187614 Pump Test Detail ID: Test Type: Recovery Test Duration: 15 64.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934460820 Test Type: Recovery Test Duration: 30 Test Level: 64.0 Test Level UOM:

Water Details

Water ID: 933632083 Layer: Kind Code: **FRESH** Kind:

Water Found Depth: 79.0 Water Found Depth UOM: ft

Links

Bore Hole ID: 10172043 Tag No:

24.0792 Contractor: 1805 Depth M:

Year Completed: 1995 Path: 291\2916930.pdf Well Completed Dt: 1995/11/09 Latitude: 44.249949597858 Audit No: 160675 Longitude: -77.3927455781744

68 1 of 7 ESE/92.8 114.8 / -4.70 Harmony Public School CA 626 Harmony Road Belleville ON

Certificate #: 4786-5EQLMS

Application Year: 02 Issue Date: 10/11/02

Approval Type: Municipal & Private sewage

Status: Approved

New Certificate of Approval Application Type:

Hastings and Prince Edward District School Board Client Name:

Client Address: 156 Ann Street Client City: Belleville Client Postal Code: K8N 3L3

Subsurface disposal facility with design capacity less than 15 m³/d Project Description:

Contaminants:

Emission Control:

114.8 / -4.70 68 2 of 7 ESE/92.8 Hastings and Prince Edward District School

> 626 Harmony Road Belleville, County of Hastings K0K 1V0 CITY OF BELLEVILLE

EBR

Number of Elev/Diff Site DΒ Map Key Direction/

Records Distance (m) (m)

ON

EBR Registry No: 012-1575 Decision Posted: 3600-99PQ3B Ministry Ref No: Exception Posted:

Notice Type: Instrument Decision Section: Notice Stage: Act 1: July 02, 2014 Notice Date: Act 2:

April 16, 2014 Proposal Date: Site Location Map:

Year: 2014

Instrument Type: (EPA Part II.1-sewage) - Environmental Compliance Approval (project type: sewage)

Off Instrument Name:

Posted By:

Company Name: Hastings and Prince Edward District School Board

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

626 Harmony Road, Postal Station Postal Station, Belleville Ontario, Canada K0K 1V0

Comment Period:

URL:

Site Location Details:

626 Harmony Road Belleville, County of Hastings K0K 1V0 CITY OF BELLEVILLE

68 3 of 7 ESE/92.8 114.8 / -4.70 Hastings and Prince Edward District School

Board

626 Harmony Rd, Corbyville Belleville ON K0K 1V0

ECA

Order No: 23021600530

Approval No: 1657-9HKJJH MOE District: Belleville

Approval Date: 2014-06-24 City:

Approved -77.38517 Status: Longitude: Record Type: **ECA** Latitude: 44.2407

IDS Geometry X: Link Source: SWP Area Name: Quinte Geometry Y:

ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Approval Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: Hastings and Prince Edward District School Board **Business Name:**

Address: 626 Harmony Rd, Corbyville

Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3600-99PQ3B-14.pdf

PDF Site Location:

ESE/92.8 114.8 / -4.70 68 4 of 7 Hastings and Prince Edward District School **ECA**

Board

626 Harmony Road Belleville ON K8N 3L3

Approval No: 4786-5EQLMS **MOE District:** Belleville City:

Approval Date: 2002-10-11

Status: Revoked and/or Replaced Longitude: -77.38517 Record Type: **ECA** Latitude: 44.2407

Link Source: **IDS** Geometry X: Quinte SWP Area Name: Geometry Y: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS

Approval Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: **Business Name:** Hastings and Prince Edward District School Board

Address: 626 Harmony Road

Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/9065-5DVGPV-14.pdf

PDF Site Location:

Number of Direction/ Elev/Diff Site DΒ Map Key

Records Distance (m)

(m)

5 of 7 ESE/92.8 114.8 / -4.70 Hastings and Prince Edward District School 68

> **Board -Harmony Public School** 626 Harmony Rd Corbyville

NCPL

Order No: 23021600530

Belleville ON

2015 Year:

Site Name:

Facility Owner: Hastings and Prince Edward District School Board -Harmony Public School

Discharge Type: Municipal Private Sewage Sector: Miscellaneous Communal

Belleville District Area:

Type of Concern: Approval/Permit Non-Compliance

TOTAL NITROGEN Contaminant:

Status Report:

Details

Incident Date:

Exceedance Start Date: 1/6/2015 Exceedance End Date: 1/6/2015

7.0mg/L / Three (3) consecutive samples Limit/Unit/Freq:

Quantity Min/Max: 28.6/28.6

Facility Action: Action Plan Submitted - Implementing Improvements

Voluntary Abatement Program Underway **Ministry Action:**

6 of 7 ESE/92.8 114.8 / -4.70 Hastings and Prince Edward District School 68 **NCPL**

Board

626 Harmony Rd Corbyville

Belleville ON

Year: 2017

Site Name: Harmony Public School

Hastings and Prince Edward District School Board Facility Owner:

Municipal Private Sewage Discharge Type: Sector: Miscellaneous Communal

District Area: Belleville

Type of Concern: Approval/Permit Non-Compliance

TOTAL NITROGEN Contaminant:

Status Report:

Details

Incident Date:

Exceedance Start Date: 2017/03/29 Exceedance End Date: 2017/03/29

7mg/l / Three (3) consecutive samples Limit/Unit/Freq:

Quantity Min/Max: 24.4/24.4

Action Plan Submitted - Implementing Improvements; Conducting Study; Equipment Modified - Repaired -Facility Action:

Replaced or Re-calibrated: Operational Process Modification

Assessment Underway; Voluntary Abatement Program Underway Ministry Action:

Incident Date:

2017/02/02 Exceedance Start Date: 2017/02/02 Exceedance End Date:

Limit/Unit/Freq: 7mg/l / Three (3) consecutive samples

16.2/16.2 Quantity Min/Max:

Facility Action: Action Plan Submitted - Implementing Improvements; Conducting Study; Equipment Modified - Repaired -

Replaced or Re-calibrated; Operational Process Modification

Ministry Action: Assessment Underway; Voluntary Abatement Program Underway

Incident Date:

Elev/Diff Site DΒ Map Key Number of Direction/

Records Distance (m)

2017/03/15 Exceedance Start Date: Exceedance End Date: 2017/03/15

Limit/Unit/Freq: 7mg/l / Three (3) consecutive samples

Quantity Min/Max: 28.9/28.9

Facility Action: Action Plan Submitted - Implementing Improvements; Conducting Study; Equipment Modified - Repaired -

Replaced or Re-calibrated; Operational Process Modification

(m)

Ministry Action: Assessment Underway; Voluntary Abatement Program Underway

Incident Date:

2017/04/12 Exceedance Start Date: Exceedance End Date: 2017/04/18

Limit/Unit/Freq: 7mg/l / Three (3) consecutive samples

35.3/37.4 Quantity Min/Max:

Ceased Operations Facility Action:

Assessment Underway, Voluntary Abatement Program Underway **Ministry Action:**

Incident Date:

Ministry Action:

Exceedance Start Date: 2017/04/05 Exceedance End Date: 2017/04/05

Limit/Unit/Freq: 7mg/l / Three (3) consecutive samples

Quantity Min/Max: 37.9/37.9

Facility Action: Action Plan Submitted - Implementing Improvements; Conducting Study; Equipment Modified - Repaired -

Replaced or Re-calibrated; Operational Process Modification Assessment Underway, Voluntary Abatement Program Underway

68 7 of 7 ESE/92.8 114.8 / -4.70 Hastings and Prince Edward Counties School

Board

626 Harmony Rd Belleville ON

NCPL

Order No: 23021600530

Year: 2018

Harmony Public School Site Name:

Hastings and Prince Edward Counties School Board Facility Owner:

Discharge Type: Municipal Private Sewage Miscellaneous Communal Sector:

District Area: Belleville

Approval / Permit Non-Compliance Type of Concern:

TOTAL NITROGEN Contaminant:

Status Report:

Details

Incident Date:

Exceedance Start Date: 2018/10/23 2018/11/06 Exceedance End Date:

7mg/L / three consecutive samples Limit/Unit/Freq:

73.6/98.3 Quantity Min/Max:

Facility Action: **Ceased Operations**

Ministry Action: Assessment Underway; Voluntary Abatement Program Underway

Incident Date:

Exceedance Start Date: 2018/06/06 Exceedance End Date: 2018/06/20

Limit/Unit/Freq: 7mg/L / three consecutive samples

Quantity Min/Max: 15.2/70.8 Facility Action: **Ceased Operations**

Ministry Action: Assessment Underway; Voluntary Abatement Program Underway

Incident Date:

2018/10/02 Exceedance Start Date: Exceedance End Date: 2018/10/16

Limit/Unit/Freq: 7mg/L / three consecutive samples

Quantity Min/Max: 93/105

Facility Action: **Ceased Operations**

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

Ministry Action:

Assessment Underway; Voluntary Abatement Program Underway

1 of 1 ESE/94.3 113.8 / -5.73 626 HARMONY RD 69 **WWIS BELLEVILLE ON**

Well ID: 7278390

Construction Date:

Use 1st: Use 2nd:

Final Well Status: 0 Water Type:

Casing Material:

Audit No:

Tag:

Constructn Method: Elevation (m): Elevatn Reliabilty:

Depth to Bedrock: Well Depth: Overburden/Bedrock:

Pump Rate: Static Water Level:

Clear/Cloudy: Municipality:

Z235938

Zone:

Elevation:

Elevrc:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

Zone:

Flowing (Y/N):

Date Received:

Selected Flag:

Form Version:

Concession:

Contractor:

Owner: County:

Lot:

Abandonment Rec:

Concession Name:

Easting NAD83:

Northing NAD83:

04-Jan-2017 00:00:00

TRUE

Yes

1507

HASTINGS

7

Flow Rate: Data Entry Status:

Data Src:

UTM Reliability: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/727\7278390.pdf

Additional Detail(s) (Map)

Well Completed Date: 2016/12/15 Year Completed: 2016

Depth (m):

44.2417629303001 Latitude: Longitude: -77.3838524755225 727\7278390.pdf Path:

Bore Hole Information

Bore Hole ID: 1006327051

DP2BR: Spatial Status:

Code OB: Code OB Desc:

Open Hole: Cluster Kind:

15-Dec-2016 00:00:00 Date Completed:

Remarks:

Loc Method Desc: on Water Well Record

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID:

1006476013

Layer: Color:

erisinfo.com | Environmental Risk Information Services

18 309653.00

4901489.00

margin of error: 30 m - 100 m

UTM83

wwr

General Color:

Mat1:

Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: Formation End Depth: Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

1006476029 Plug ID:

Layer: Plug From: 0.0 13.5 Plug To: Plug Depth UOM: ft

Annular Space/Abandonment

Sealing Record

1006476028 Plug ID:

Layer:

Plug From: Plug To:

Plug Depth UOM:

ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1006476021

Method Construction Code: Method Construction: Other Method Construction:

Pipe Information

Pipe ID: 1006476011

Casing No: Comment:

Construction Record - Casing

1006476016 Casing ID:

Layer: Material:

Alt Name:

Open Hole or Material:

Depth From: Depth To:

Casing Diameter:

Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006476020

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material:

Screen Depth UOM: ft Screen Diameter UOM: inch

Screen Diameter:

Water Details

Water ID: 1006476015

Layer: Kind Code: Kind:

Water Found Depth:

Water Found Depth UOM: ft

Hole Diameter

 Hole ID:
 1006476014

 Diameter:
 13.5

Depth From: 0.0

Depth To: 0.17000000178813934

Hole Depth UOM: ft
Hole Diameter UOM: inch

<u>Links</u>

Bore Hole ID: 1006327051 **Tag No:**

Depth M: Contractor: 1507

 Year Completed:
 2016
 Path:
 727\7278390.pdf

 Well Completed Dt:
 2016/12/15
 Latitude:
 44.2417629303001

 Audit No:
 Z235938
 Longitude:
 -77.3838524755225

70 1 of 1 ESE/97.7 114.8 / -4.70 lot 10 con 4 WWIS

Flowing (Y/N):

Date Received:

Selected Flag:

Form Version:

Concession:

Concession Name:

Easting NAD83: Northing NAD83:

UTM Reliability:

Contractor:

Owner:

County:

Lot:

Zone:

Data Entry Status:

Abandonment Rec:

24-Sep-2007 00:00:00

Order No: 23021600530

TRUE

6170

010

04

HASTINGS

Flow Rate:

Data Src:

Well ID: 7050008

Construction Date:

Use 1st: Public

Use 2nd:

Final Well Status: Water Supply

Water Type:

Casing Material:

Audit No: Z72377
Tag: A045673
Constructn Method:

Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate:

Static Water Level: Clear/Cloudy:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/705\7050008.pdf

Additional Detail(s) (Map)

Well Completed Date: 2007/08/20

Elevation:

18

309518.00

UTM83

wwr

4901368.00

margin of error: 10 - 30 m

Order No: 23021600530

Elevrc:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

Zone:

Year Completed:

Depth (m):

 Latitude:
 44.2406392138666

 Longitude:
 -77.3854977182353

 Path:
 705\7050008.pdf

2007

Bore Hole Information

Bore Hole ID: 23050008 **DP2BR:**

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

Date Completed: 20-Aug-2007 00:00:00

Remarks:

Loc Method Desc: on Water Well Record

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Annular Space/Abandonment

Sealing Record

Plug ID: 44005468

Layer:

 Plug From:
 1.5199999809265137

 Plug To:
 1.399999976158142

Plug Depth UOM:

Annular Space/Abandonment

Sealing Record

Plug ID: 44005469

Layer:

Plug From: 1.5199999809265137

2

Plug To: 0.0 Plug Depth UOM: m

Method of Construction & Well

<u>Use</u>

Method Construction ID: 25950008

Method Construction Code:

Method Construction: Other Method

Other Method Construction:

Pipe Information

Pipe ID: 29050008

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 42150008

Layer: Material: Open Hole or Material: STEEL

Depth From: 1.5199999809265137 Depth To: 0.4000000059604645 15.800000190734863 Casing Diameter:

Casing Diameter UOM: cm Casing Depth UOM: m

Results of Well Yield Testing

PUMP Pumping Test Method Desc: 27050008 Pump Test ID: Pump Set At: 22.0

Static Level: 7.519999980926514 Final Level After Pumping: 8.640000343322754

Recommended Pump Depth: 22.0

37.79999923706055 Pumping Rate:

Flowing Rate: Recommended Pump Rate: 95.0 Levels UOM: m Rate UOM: LPM

Water State After Test Code: Water State After Test: **Pumping Test Method:** 1 1

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

Draw Down & Recovery

45037815 Pump Test Detail ID: Test Type: Recovery

Test Duration:

7.869999885559082 Test Level:

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 45037823 Test Type: Draw Down

Test Duration: 25

Test Level: 8.6899995803833

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45037824 Test Type: Draw Down

Test Duration:

8.770000457763672 Test Level:

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45037812 Test Type: Recovery

Test Duration:

8.109999656677246 Test Level:

Test Level UOM: m

Draw Down & Recovery

45037818 Pump Test Detail ID: Recovery Test Type: Test Duration: 15

7.590000152587891 Test Level:

Test Level UOM: m

Draw Down & Recovery

45037827 Pump Test Detail ID: Draw Down Test Type:

Test Duration: 10

Test Level: 8.619999885559082

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 45037814 Test Type: Recovery Test Duration: 2 8.0 Test Level: Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45037817 Test Type: Draw Down

Test Duration:

Test Level: 8.239999771118164

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 45037820 Test Type: Draw Down

Test Duration: 50

Test Level: 8.699999809265137

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 45037825 Test Type: Draw Down

Test Duration: 40

8.6899995803833 Test Level:

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45037810 Test Type: Draw Down

Test Duration:

8.380000114440918 Test Level:

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45037816 Draw Down Test Type:

Test Duration: 15

Test Level: 8.619999885559082

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:45037826Test Type:Draw Down

Test Duration: 60

Test Level: 8.640000343322754

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:45037807Test Type:Draw Down

Test Duration: 20

Test Level: 8.670000076293945

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:45037811Test Type:Recovery

Test Duration: 4

Test Level: 7.909999847412109

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:45037813Test Type:Draw Down

Test Duration: 5

Test Level: 8.510000228881836

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:45037819Test Type:Draw Down

Test Duration: 3

Test Level: 8.430000305175781

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:45037822Test Type:Recovery

Test Duration: 20

Test Level: 7.519999980926514

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:45037808Test Type:Recovery

Test Duration: 3

Test Level: 7.949999809265137

Test Level UOM: m

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

Draw Down & Recovery

Pump Test Detail ID: 45037809 Test Type: Draw Down

Test Duration:

8.479999542236328 Test Level:

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45037821 Test Type: Recovery Test Duration:

Test Level: 7.679999828338623

Test Level UOM:

Hole Diameter

46004192 Hole ID:

Diameter: 15.800000190734863 Depth From: 23.170000076293945 0.4000000059604645 Depth To:

Hole Depth UOM: Hole Diameter UOM: cm

Links

23050008 Bore Hole ID: Tag No: A045673 Contractor: 6170

Depth M:

Year Completed: 2007 Path: 705\7050008.pdf Well Completed Dt: 2007/08/20 44.2406392138666 Latitude: Audit No: Z72377 Longitude: -77.3854977182353

71 1 of 2 SSE/107.0 110.9 / -8.64 lot 9 con 4 **WWIS** ON

2904305 Well ID: Flowing (Y/N):

Construction Date: Flow Rate: Data Entry Status: Use 1st: Domestic

Use 2nd: Data Src:

05-Sep-1969 00:00:00 Final Well Status: Water Supply Date Received: TRUE Water Type: Selected Flag:

Casing Material: Abandonment Rec: Audit No: 1806 Contractor:

Tag: Form Version:

Constructn Method: Owner:

Elevation (m): County: **HASTINGS** Elevatn Reliabilty: Lot: 009 Depth to Bedrock: Concession: 04

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

Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2904305.pdf

Order No: 23021600530

Additional Detail(s) (Map)

 Well Completed Date:
 1969/08/14

 Year Completed:
 1969

 Depth (m):
 11.8872

 Latitude:
 44.2401291008461

 Longitude:
 -77.3900868743323

 Path:
 290\2904305.pdf

Bore Hole Information

Bore Hole ID: 10159931 Elevation: DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 309149.90

 Code OB Desc:
 North83:
 4901322.00

Open Hole: Org CS:

Cluster Kind: UTMRC: 4

 Date Completed:
 14-Aug-1969 00:00:00
 UTMRC Desc:
 margin of error: 30 m - 100 m

Remarks: Location Method: p4
Loc Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m

Elevrc Desc: Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931466346

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 36.0 Formation End Depth: 39.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931466343

Layer:

Color: 6

General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL

Mat2: Mat2 Desc: Mat3:

Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 5.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931466344

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

 Mat2:
 13

Mat2 Desc: BOULDERS

Mat3:

Mat3 Desc:

Formation Top Depth: 5.0
Formation End Depth: 32.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931466345

 Layer:
 3

 Color:
 2

 General Color:
 GREY

Mat1: 17
Most Common Material: SHALE
Mat2: 15

Mat2 Desc: LIMESTONE

Mat3: Mat3 Desc:

Formation Top Depth: 32.0 Formation End Depth: 36.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:962904305Method Construction Code:1Method Construction:Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10708501

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

 Casing ID:
 930273237

 Layer:
 2

Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:39.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930273236

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To:36.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc:BAILERPump Test ID:992904305

Pump Set At:

Static Level: 12.0 Final Level After Pumping: 30.0 Recommended Pump Depth: 36.0 25.0 Pumping Rate: Flowing Rate: Recommended Pump Rate: 10.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: Water State After Test: **CLEAR Pumping Test Method:**

Pumping Duration HR: Pumping Duration MIN:

Flowing: No

Draw Down & Recovery

 Pump Test Detail ID:
 934176379

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 30.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934717258

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 30.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934458756

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 30.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934979606

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 30.0

 Test Level UOM:
 ft

Water Details

Water ID: 933617762

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 36.0

 Water Found Depth UOM:
 ft

Links

Bore Hole ID: 10159931 **Tag No:**

Depth M: 11.8872 **Contractor:** 1806

 Year Completed:
 1969
 Path:
 290\2904305.pdf

 Well Completed Dt:
 1969/08/14
 Latitude:
 44.2401291008461

 Audit No:
 Longitude:
 -77.3900868743323

71 2 of 2 SSE/107.0 110.9 / -8.64 lot 9 con 4 ON WWIS

Well ID: 2904453 **Flowing (Y/N):**

Construction Date: Flow Rate:
Use 1st: Domestic Data Entry Status:

Use 2nd: 0 Data Src:

Final Well Status: Water Supply Date Received: 06-Apr-1970 00:00:00

Water Type: Selected Flag: TRUE Casing Material: Abandonment Rec:

Audit No: Contractor: 4901
Tag: Form Version: 1

Constructn Method: Owner:

 Elevation (m):
 County:
 HASTINGS

 Elevatn Reliability:
 Lot:
 009

 Depth to Bedrock:
 Concession:
 04

 Well Booth:
 Concession Name:
 CONL

Well Depth: Concession: 04

Well Depth: Concession Name: CON

Overburden/Bedrock: Easting NAD83:

Pump Rate:Northing NAD83:Static Water Level:Zone:Clear/Cloudy:UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2904453.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1970/02/07

 Year Completed:
 1970

 Depth (m):
 8.5344

 Latitude:
 44.2401291008461

 Longitude:
 -77.3900868743323

 Path:
 290\2904453.pdf

Bore Hole Information

Bore Hole ID: 10160077 Elevation:
DP2BR: Elevro:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 309149.90

 Code OB Desc:
 North83:
 4901322.00

Open Hole: Org CS:

Cluster Kind: UTMRC:

 Date Completed:
 07-Feb-1970 00:00:00
 UTMRC Desc:
 margin of error: 30 m - 100 m

p4 Remarks: Location Method:

Loc Method Desc:

Original Pre1985 UTM Rel Code 4: margin of error: 30 m - 100 m

Elevrc Desc:

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

Supplier Comment:

Overburden and Bedrock Materials Interval

931466801 Formation ID:

Layer: Color: 2 General Color: **GREY** Mat1: 05 Most Common Material: CLAY Mat2: 11 Mat2 Desc: **GRAVEL**

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 9.0 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931466802

Layer: 2

Color:

General Color:

Mat1: 11

Most Common Material: **GRAVEL**

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 9.0 Formation End Depth: 28.0 Formation End Depth UOM:

Annular Space/Abandonment

Sealing Record

Plug ID: 933140720

Layer: 25.0 Plug From: 28.0 Plug To: Plug Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962904453

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

10708647 Pipe ID:

Casing No: Comment: Alt Name:

Construction Record - Casing

930273502 Casing ID:

Layer: 1 Material: Open Hole or Material: STEEL

Depth From:

25.0 Depth To: Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: **BAILER** Pump Test ID: 992904453

Pump Set At:

Static Level: 18.0 20.0 Final Level After Pumping: Recommended Pump Depth: 22.0 8.0 Pumping Rate:

Flowing Rate:

Recommended Pump Rate: 5.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: **CLEAR** Water State After Test: Pumping Test Method: **Pumping Duration HR:** 4 **Pumping Duration MIN:** 0 Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934459270 Test Type: Draw Down Test Duration: 30 Test Level: 20.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934979703 Test Type: Draw Down 60 Test Duration: 20.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934717772 Draw Down Test Type: Test Duration: 45 20.0 Test Level: Test Level UOM: ft

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

Draw Down & Recovery

934176892 Pump Test Detail ID: Draw Down Test Type: Test Duration: 15 20.0 Test Level: Test Level UOM:

Water Details

933617907 Water ID:

Layer: Kind Code: Kind. **FRESH** Water Found Depth: 25.0 Water Found Depth UOM: ft

<u>Links</u>

Bore Hole ID: 10160077 Tag No:

Depth M: 8.5344 Contractor: 4901

290\2904453.pdf Year Completed: 1970 Path: 44.2401291008461 Well Completed Dt: 1970/02/07 Latitude: -77.3900868743323 Longitude:

Audit No:

72 1 of 1 SW/111.6 109.8 / -9.70 lot 8 con 4 **WWIS** ON

Flowing (Y/N):

Order No: 23021600530

Well ID: 2904514

Construction Date: Flow Rate: Data Entry Status: Use 1st: Domestic

Use 2nd: Data Src:

25-May-1970 00:00:00 Final Well Status: Water Supply Date Received: Selected Flag: TRUE

Water Type: Casing Material: Abandonment Rec: Audit No: 1507 Contractor: Form Version: 1

Tag: Constructn Method: Owner: Elevation (m): County: **HASTINGS**

Elevatn Reliabilty: Lot: 800 Depth to Bedrock: Concession: 04 Well Depth: Concession Name: CON

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83: Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2904514.pdf

Additional Detail(s) (Map)

1969/07/11 Well Completed Date: Year Completed: 1969 Depth (m): 10.3632

44.2387333712062 Latitude: Longitude: -77.3965422344629 290\2904514.pdf Path:

Bore Hole Information

10160138 Bore Hole ID: Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 Code OB: 308629.90 East83: Code OB Desc: North83: 4901182.00

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 11-Jul-1969 00:00:00 margin of error: 30 m - 100 m UTMRC Desc:

Remarks: Location Method:

Loc Method Desc: Original Pre1985 UTM Rel Code 4: margin of error: 30 m - 100 m Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

931466966 Formation ID:

Layer: 2 Color: General Color: **BROWN** Mat1:

MEDIUM SAND Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 5.0 Formation End Depth: 12.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931466967

Layer: 3 Color: 2 General Color: **GREY** Mat1: 12 **STONES** Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 12.0

Formation End Depth: 34.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931466965 Formation ID:

Layer: Color:

General Color:

Mat1: 05 CLAY Most Common Material:

Mat2: Mat2 Desc: Mat3:

Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 5.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962904514

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10708708

Casing No: Comment:

Alt Name:

Construction Record - Casing

Casing ID: 930273619

Layer: 1 Material: 1

Open Hole or Material: STEEL

Depth From:
Depth To: 34.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc:BAILERPump Test ID:992904514

Pump Set At:

Static Level:11.0Final Level After Pumping:18.0Recommended Pump Depth:26.0Pumping Rate:25.0

Flowing Rate:

Recommended Pump Rate: 25.0 **Levels UOM:** ft

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

Draw Down & Recovery

 Pump Test Detail ID:
 934176936

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 18.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 934459314 Test Type: Draw Down Test Duration: 30 Test Level: 18.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934979052 Draw Down Test Type: Test Duration: 18.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934717816 Pump Test Detail ID: Test Type: Draw Down Test Duration: 45 18.0 Test Level: Test Level UOM: ft

Water Details

933617959 Water ID: Layer: 1 Kind Code:

FRESH Kind: Water Found Depth: 34.0 Water Found Depth UOM: ft

Links

Bore Hole ID: 10160138 Tag No: 10.3632 Depth M: Contractor: 1507

Year Completed: 1969 Path: 290\2904514.pdf Well Completed Dt: 1969/07/11 Latitude: 44.2387333712062 -77.3965422344629 Longitude:

Audit No:

Final Well Status:

1 of 1 ESE/117.3 114.8 / -4.70 lot 10 con 4 **73 WWIS** ON

Date Received:

24-Sep-2007 00:00:00

Order No: 23021600530

Well ID: 7050044 Flowing (Y/N):

Construction Date: Flow Rate: Use 1st: **Public** Data Entry Status:

Use 2nd: Data Src:

Water Type: Selected Flag: TRUE

Casing Material: Abandonment Rec:

6170 Audit No: Z72376 Contractor: A045674 Tag: Form Version: 3 Constructn Method: Owner:

County: **HASTINGS** Elevation (m): Elevatn Reliabilty: 010 Lot: 04 Depth to Bedrock: Concession:

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

Static Water Level: Zone: UTM Reliability: Clear/Cloudy:

Municipality: THURLOW TOWNSHIP

Water Supply

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/705\7050044.pdf

Additional Detail(s) (Map)

Well Completed Date: 2007/08/20 Year Completed: 2007

 Depth (m):

 Latitude:
 44.2407701594008

 Longitude:
 -77.3844009611699

 Path:
 705\7050044.pdf

Bore Hole Information

Bore Hole ID: 23050044 Elevation: DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 309606.00

 Code OB Desc:
 North83:
 4901380.00

 Open Hole:
 Org CS:
 UTM83

 Cluster Kind:
 UTMRC:
 3

Date Completed: 20-Aug-2007 00:00:00 **UTMRC Desc:** margin of error : 10 - 30 m

Remarks: Location Method: ww

Loc Method Desc: on Water Well Record

Elevrc Desc: Location Source Date:

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

Supplier Comment:

Annular Space/Abandonment

Sealing Record

Plug ID: 44005511

Layer:

 Plug From:
 1.7200000286102295

 Plug To:
 1.5499999523162842

Plug Depth UOM: m

Annular Space/Abandonment

Sealing Record

Plug ID: 44005512

Layer: 2

Plug From: 1.7200000286102295

Plug To: 0.0
Plug Depth UOM: m

Method of Construction & Well

<u>Use</u>

Method Construction ID: 25950044

Method Construction Code:

Method Construction: Other Method

Other Method Construction:

Pipe Information

Pipe ID: 29050044

Casing No: 0

Comment: Alt Name:

Construction Record - Casing

 Casing ID:
 42150044

 Layer:
 1

Material: 1
Open Hole or Material: STEEL

 Depth From:
 1.7200000286102295

 Depth To:
 -0.400000059604645

 Casing Diameter:
 15.800000190734863

Casing Diameter UOM: cm
Casing Depth UOM: m

Results of Well Yield Testing

Pumping Test Method Desc:PUMPPump Test ID:27050044Pump Set At:20.5

Static Level: 6.139999866485596

Final Level After Pumping: 6.5
Recommended Pump Depth: 20.5

Pumping Rate: 37.79999923706055

Flowing Rate:

Recommended Pump Rate: 100.0 Levels UOM: m Rate UOM: LPM

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

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

Draw Down & Recovery

Pump Test Detail ID:45038402Test Type:Draw Down

 Test Duration:
 60

 Test Level:
 6.5

 Test Level UOM:
 m

Draw Down & Recovery

Pump Test Detail ID:45038406Test Type:Draw Down

Test Duration: 25

Test Level: 6.480000019073486

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:45038393Test Type:Draw Down

Test Duration: 15

Test Level: 6.440000057220459

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:45038398Test Type:Recovery

Test Duration: 4

Test Level: 6.309999942779541

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:45038403Test Type:RecoveryTest Duration:10

Test Level: 6.210000038146973

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:45038405Test Type:RecoveryTest Duration:20

Test Level: 6.139999866485596

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:45038397Test Type:Draw Down

Test Duration:

Test Level: 6.329999923706055

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45038399
Test Type: Draw Down

Test Duration: 20

Test Level: 6.46999979019165

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:45038400Test Type:Draw Down

Test Duration: 5

Test Level: 6.329999923706055

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:45038404Test Type:Recovery

Test Duration: 15

Test Level: 6.170000076293945

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:45038410Test Type:Draw Down

Test Duration:

Test Level: 6.389999866485596

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:45038411Test Type:Draw Down

Test Duration: 2

Test Level: 6.269999980926514

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45038396
Test Type: Recovery

Test Duration: 3

Test Level: 6.340000152587891

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:45038392Test Type:Draw DownTest Duration:1

Test Level: 6.25
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:45038407Test Type:Draw Down

 Test Duration:
 30

 Test Level:
 6.5

 Test Level UOM:
 m

Draw Down & Recovery

Pump Test Detail ID:45038408Test Type:Draw Down

 Test Duration:
 40

 Test Level:
 6.5

 Test Level UOM:
 m

Draw Down & Recovery

Pump Test Detail ID:45038409Test Type:Draw Down

 Test Duration:
 50

 Test Level:
 6.5

 Test Level UOM:
 m

Draw Down & Recovery

Pump Test Detail ID:45038395Test Type:Draw Down

Test Duration: 3

Test Level: 6.309999942779541

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:45038401Test Type:Recovery

Test Duration:

Test Level: 6.389999866485596

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:45038391Test Type:Recovery

Test Duration: 5

Test Level: 6.260000228881836

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:45038394Test Type:Recovery

Test Duration: 2

Test Level: 6.340000152587891

Test Level UOM: m

Hole Diameter

Hole ID: 46004219

 Diameter:
 15.800000190734863

 Depth From:
 22.020000457763672

 Depth To:
 0.4000000059604645

Hole Depth UOM: m
Hole Diameter UOM: cm

<u>Links</u>

Bore Hole ID: 23050044

Depth M:

 Year Completed:
 2007

 Well Completed Dt:
 2007/08/20

 Audit No:
 Z72376

 Tag No:
 A045674

 Contractor:
 6170

 Path:
 705\7050044.pdf

 Latitude:
 44.2407701594008

 Longitude:
 -77.3844009611699

Order No: 23021600530

74 1 of 1 SE/120.4 113.5/-6.00 WWIS

Well ID: 7262831 Flowing (Y/N):

Construction Date:
Use 1st:
Use 2nd:
Flow Rate:
Data Entry Status:
Yes
Data Src:

Final Well Status:Date Received:09-May-2016 00:00:00Water Type:Selected Flag:TRUE

Casing Material:Abandonment Rec:Audit No:C33333Contractor:1507

Audit No: C33333 Contractor: 1507
Tag: Form Version: 8
Constructn Method: Owner:

Elevation (m): County: HASTINGS
Elevatin Reliability: Lot:

Depth to Bedrock:

Well Depth:

Overburden/Bedrock:

Pump Rate:

Northing NAD83:

Static Water Level: Zone: Clear/Cloudy: UTM F

UTM Reliability:

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

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map):

Additional Detail(s) (Map)

2016/03/15 Well Completed Date: Year Completed: 2016

Depth (m):

44.2400099549728 Latitude: -77.3871754260581 Longitude:

Path:

Bore Hole Information

1005974019 Bore Hole ID: Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 Code OB: East83: 309382.00 4901302.00 Code OB Desc: North83: Open Hole: Org CS: UTM83 Cluster Kind: UTMRC:

15-Mar-2016 00:00:00 Date Completed:

Remarks:

Links

Loc Method Desc: on Water Well Record

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Bore Hole ID: 1005974019 Tag No: Depth M: Contractor:

Year Completed: 2016 Path: 2016/03/15 44.2400099549728 Well Completed Dt: Latitude: C33333 -77.3871754260581 Audit No: Longitude:

75 1 of 1 SE/120.8 112.1 / -7.46 552 HARMONY RD **WWIS**

UTMRC Desc:

Location Method:

Well ID: 7282661 Flowing (Y/N):

Construction Date: Flow Rate: Public Use 1st: Data Entry Status: Data Src:

Use 2nd:

Final Well Status: Abandoned-Supply Water Type:

Casing Material:

Z249064 Audit No:

Tag: Constructn Method: Elevation (m):

Elevatn Reliabilty: Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate:

Static Water Level: Clear/Cloudy:

Owner: County: **HASTINGS**

> Lot: Concession: Concession Name: Easting NAD83: Northing NAD83:

Belleville ON

Date Received:

Selected Flag:

Form Version:

Contractor:

Abandonment Rec:

margin of error : 30 m - 100 m

wwr

1507

TRUE

Yes

6524

7

03-Mar-2017 00:00:00

Order No: 23021600530

Zone:

UTM Reliability:

Municipality:

THURLOW TOWNSHIP

Site Info:

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: Year Completed:

Depth (m):

44.2399610539499 Latitude: -77.3873612947135 Longitude: Path: 728\7282661.pdf

Bore Hole Information

1006363604 Bore Hole ID: Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 Code OB: East83: 309367.00 Code OB Desc: North83: 4901297.00 Open Hole: Org CS: UTM83 Cluster Kind: UTMRC:

margin of error: 30 m - 100 m Date Completed: UTMRC Desc: Remarks: wwr

Location Method:

Loc Method Desc: on Water Well Record

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 1006579530

Layer: Color:

General Color:

Mat1:

Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: Formation End Depth:

Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

1006579538 Plug ID:

Layer: 2 Plug From: 7.0 8.0 Plug To: Plug Depth UOM:

Annular Space/Abandonment

Sealing Record

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug ID:		1006579537			
Layer:		1			
Plug From:		0.0			
Plug To:		7.0			
Plug Depth UOM:		ft			

 Plug ID:
 1006579539

 Layer:
 3

 Plug From:
 8.0

 Plug To:
 22.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1006579536

Method Construction Code: A

Method Construction: Digging

Other Method Construction:

Pipe Information

Pipe ID: 1006579529

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1006579533

Layer:

Material:

Open Hole or Material:

Depth From: Depth To: Casing Diameter:

Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006579534

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material: Screen Depth LIOM

Screen Depth UOM: ft Screen Diameter UOM: inch

Screen Diameter:

Water Details

Water ID: 1006579532

Layer: Kind Code: Kind:

Water Found Depth:

Water Found Depth UOM:

Hole Diameter

Hole ID: 1006579531

ft

Diameter: Depth From: Depth To:

Hole Depth UOM: ft
Hole Diameter UOM: inch

Links

Bore Hole ID: 1006363604

Depth M: Year Completed:

Year Completed: Well Completed Dt:

Audit No: Z249064

Tag No: Contractor:

Flowing (Y/N):

Date Received:

Selected Flag:

Form Version:

Concession:

Contractor:

Owner:

County:

Lot:

Zone:

Elevation:

Data Entry Status:

Abandonment Rec:

Concession Name:

Easting NAD83:

Northing NAD83:

UTM Reliability:

Flow Rate:

Data Src:

 Path:
 728\7282661.pdf

 Latitude:
 44.2399610539499

 Longitude:
 -77.3873612947135

6524

TRUE

1507

011

05 CON

HASTINGS

27-Aug-2018 00:00:00

WWIS

Order No: 23021600530

76 1 of 1 E/122.6 110.8 / -8.76 567 HARMONY ROAD lot 11 con 5

Belleville ON

Well ID: 7317849
Construction Date:

Use 1st: Domestic Use 2nd:

Final Well Status: Water Supply

Water Type:

Casing Material:

 Audit No:
 Z279292

 Tag:
 A242627

Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate:

Static Water Level:

Clear/Cloudy:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map):

Additional Detail(s) (Map)

 Well Completed Date:
 2018/06/12

 Year Completed:
 2018

 Depth (m):
 9.7536

Latitude: 44.2459722804133 **Longitude:** -77.3853376277872

Path:

Bore Hole Information

Bore Hole ID: 1007274793

DP2BR: Elevro:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 309548.00

 Code OB Desc:
 North83:
 4901960.00

 Open Hole:
 Org CS:
 UTM83

UTMRC:

UTMRC Desc:

Location Method:

margin of error: 30 m - 100 m

Order No: 23021600530

wwr

Cluster Kind:

Date Completed:

Remarks:

12-Jun-2018 00:00:00

Loc Method Desc:

on Water Well Record

Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

1007949629 Formation ID:

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

Most Common Material: LIMESTONE

Mat2:

Mat2 Desc:

73 Mat3: HARD Mat3 Desc: Formation Top Depth: 27.0 Formation End Depth: 32.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1007949627

Layer: Color: 2 General Color: **GREY** Mat1: 05 CLAY Most Common Material: Mat2: 13

Mat2 Desc: **BOULDERS** Mat3: 79 PACKED Mat3 Desc: Formation Top Depth: 13.0 Formation End Depth: 20.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1007949626

Layer: Color: 6 **BROWN** General Color: 05 Mat1: Most Common Material: CLAY Mat2: 13

BOULDERS Mat2 Desc: Mat3: 79 Mat3 Desc: **PACKED** Formation Top Depth: 0.0 Formation End Depth: 13.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1007949628

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 ORANGE
 COLORS

Most Common Material: GRAVEL

Mat2:

Mat2 Desc:

 Mat3:
 77

 Mat3 Desc:
 LOOSE

 Formation Top Depth:
 20.0

 Formation End Depth:
 27.0

 Formation End Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1007950868

 Layer:
 1

 Plug From:
 26.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1007952017

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1007952018

Method Construction Code:

Method Construction: Rotary (Convent.)

Other Method Construction:

Pipe Information

Pipe ID: 1007948588

Casing No: 0

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1007952448

Layer: 1 Material: 1

Open Hole or Material:STEELDepth From:-2.0Depth To:27.0Casing Diameter:6.25Casing Diameter UOM:InchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc:

1007953491 Pump Test ID: Pump Set At:

4.599999904632568 Static Level: Final Level After Pumping: 9.100000381469727

Recommended Pump Depth: 29.0 Pumping Rate: 11.0 Flowing Rate: Recommended Pump Rate: 11.0 Levels UOM: ft **GPM** Rate UOM:

Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: 0 Pumping Duration HR: 1 **Pumping Duration MIN:**

No Flowing:

Draw Down & Recovery

1007955703 Pump Test Detail ID: Draw Down Test Type:

Test Duration: 20

7.599999904632568 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007955713 Test Type: Recovery

Test Duration:

7.900000095367432 Test Level:

Test Level UOM:

Draw Down & Recovery

1007955719 Pump Test Detail ID: Test Type: Recovery Test Duration: 40

7.199999809265137 Test Level:

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1007955697 Test Type: Draw Down

Test Duration:

5.599999904632568 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007955715 Test Type: Recovery Test Duration: 15

7.599999904632568 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007955718 Test Type: Recovery Test Duration: 30

Test Level: 7.199999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007955698 Draw Down Test Type:

Test Duration: 3 6.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

1007955705 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 30

7.400000095367432 Test Level:

Test Level UOM:

Draw Down & Recovery

1007955708 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 60

9.100000381469727 Test Level:

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1007955709 Test Type: Recovery Test Duration: Test Level: 8.5 Test Level UOM: ft

Draw Down & Recovery

1007955710 Pump Test Detail ID: Test Type: Recovery

Test Duration: 2

Test Level: 8.100000381469727

Test Level UOM: ft

Draw Down & Recovery

1007955714 Pump Test Detail ID: Recovery Test Type: 10

Test Duration:

7.599999904632568 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007955716 Test Type: Recovery Test Duration:

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

7.599999904632568 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007955720 Test Type: Recovery Test Duration: 50 Test Level: 7.0 Test Level UOM: ft

Draw Down & Recovery

1007955704 Pump Test Detail ID: Test Type: Draw Down Test Duration:

25 8.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

1007955706 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 40 Test Level: 7.5 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007955717 Test Type: Recovery

Test Duration: 25

Test Level: 7.300000190734863

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007955701 Test Type: Draw Down

Test Duration: 10

Test Level: 6.800000190734863

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007955711 Test Type: Recovery Test Duration: 3 8.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

1007955721 Pump Test Detail ID: Test Type: Recovery

Test Duration: 60

6.800000190734863 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007955707
Test Type: Draw Down

Test Duration: 50

Test Level: 8.800000190734863

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1007955699Test Type:Draw Down

Test Duration: 4

Test Level: 6.300000190734863

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007955712Test Type:Recovery

Test Duration: 4

Test Level: 7.900000095367432

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007955696Test Type:Draw Down

Test Duration:

Test Level: 5.300000190734863

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007955700Test Type:Draw Down

Test Duration: 5

Test Level: 6.300000190734863

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007955702Test Type:Draw Down

Test Duration: 15

Test Level: 7.099999904632568

Test Level UOM: ft

Water Details

Water ID: 1007953099

 Layer:
 1

 Kind Code:
 8

 Kind:
 Untested

 Water Found Depth:
 30.0

Water Found Depth UOM:

Hole Diameter

Hole ID: 1007951464

	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Diameter: Depth From: Depth To: Hole Depth UO Hole Diameter		10.0 0.0 20.0 ft Inch				
Hole Diameter						
Hole ID: Diameter: Depth From: Depth To: Hole Depth UO Hole Diameter		1007951465 6.0 20.0 32.0 ft Inch				
<u>Links</u>						
Bore Hole ID: Depth M: Year Completed Well Completed Audit No:	9.753 d: 2018	s s/06/12		Tag No: Contractor: Path: Latitude: Longitude:	A242627 1507 731\7317849.pdf 44.2459722804133 -77.3853376277872	
<u>77</u> 1	of 1	SW/127.0	109.8 / -9.70	lot 8 con 5 ON		wwis
Well ID: Construction D Use 1st: Use 2nd: Final Well State Water Type: Casing Materia Audit No: Tag: Constructn Me: Elevation (m): Elevatn Reliabi Depth to Bedro Well Depth: Overburden/Be Pump Rate: Static Water Le Clear/Cloudy: Municipality: Site Info:	Dome 0 us: Wate i: thod: lty: ck: drock:	estic er Supply THURLOW TOWNS		Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: County: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 17-Sep-1959 00:00:00 TRUE 1821 1 HASTINGS 008 05 CON	
PDF URL (Map)):	https://d2khazk8e83	3rdv.cloudfront.ne	t/moe_mapping/downloads	/2Water/Wells_pdfs/290\2903187.pdf	
Additional Deta	nil(s) (Map)					
Well Completed Year Completed Depth (m): Latitude: Longitude: Path:		1959/08/23 1959 10.668 44.2393975073241 -77.3970701286747 290\2903187.pdf				

Elevation: Elevrc:

Order No: 23021600530

10158845

Bore Hole ID: DP2BR:

UTMRC:

Zone: Spatial Status: 18 Code OB: East83: 308589.90

Code OB Desc: North83: 4901257.00 Open Hole: Org CS:

23-Aug-1959 00:00:00 margin of error: 100 m - 300 m **UTMRC Desc:** Date Completed:

Remarks: Location Method: p5 Loc Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m

Elevrc Desc:

Cluster Kind:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931463543

Layer: Color:

General Color:

Mat1: 15

LIMESTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 29.0 Formation End Depth: 35.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931463542

Layer:

Color:

General Color:

Mat1: 05 CLAY Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

0.0 Formation Top Depth: Formation End Depth: 29.0 Formation End Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962903187

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10707415

Casing No:

Comment:

Alt Name:

Construction Record - Casing

Casing ID: 930271186 Layer: Material: STEEL Open Hole or Material: Depth From: Depth To: 30.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

930271187 Casing ID: Layer: 2

Material:

OPEN HOLE Open Hole or Material:

Depth From:

35.0 Depth To: Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

PUMP Pumping Test Method Desc: Pump Test ID: 992903187

Pump Set At: Static Level:

20.0 Final Level After Pumping: 35.0 Recommended Pump Depth: 35.0 Pumping Rate: 4.0 Flowing Rate: Recommended Pump Rate: 1.0 Levels UOM: Rate UOM: **GPM** Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: Pumping Duration HR: 1 **Pumping Duration MIN:** 0 No Flowing:

Water Details

Water ID: 933616700 Layer: 1 Kind Code: **FRESH** Kind: Water Found Depth: 31.0 Water Found Depth UOM: ft

Links

Bore Hole ID: 10158845 Tag No: 10.668 1821 Depth M: Contractor:

Year Completed: 1959 Path: 290\2903187.pdf Well Completed Dt: 1959/08/23 Latitude: 44.2393975073241 Audit No: -77.3970701286747 Longitude:

NNE/133.6 109.2 / -10.37 1 of 5 lot 11 con 5 **78 WWIS** ON

2918837 Well ID: Flowing (Y/N): Construction Date: Flow Rate: Not Used

Use 1st: Data Entry Status: Use 2nd: Data Src:

Final Well Status: Test Hole Date Received: 29-Dec-2000 00:00:00

Water Type: Selected Flag: TRUE

Casing Material: Abandonment Rec: Audit No: 214185 Contractor:

1507 Form Version: Tag: 1

Constructn Method: Owner: Elevation (m): County:

HASTINGS Elevatn Reliabilty: Lot: 011 Depth to Bedrock: Concession: 05 CON Well Depth: Concession Name:

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83:

Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

THURLOW TOWNSHIP Municipality:

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2918837.pdf

Additional Detail(s) (Map)

Well Completed Date: 2000/02/21 Year Completed: 2000 Depth (m): 12.192

Latitude: 44.2511073625817 -77.3881881695947 Longitude: Path: 291\2918837.pdf

Bore Hole Information

Bore Hole ID: 10173950 Elevation: DP2BR: Elevrc:

Spatial Status: 18 Zone: Code OB: East83: 309337.00 Code OB Desc: North83: 4902537.00

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 21-Feb-2000 00:00:00 UTMRC Desc: unknown UTM Location Method: Remarks:

Order No: 23021600530

Loc Method Desc: Lot centroid Elevrc Desc:

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

Source Revision Comment: Supplier Comment:

Overburden and Bedrock **Materials Interval**

Formation ID: 931513710

Layer: 2 Color: General Color: **GREY**

28 Mat1: Most Common Material: SAND Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: LOOSE Mat3 Desc: Formation Top Depth: 14.0 Formation End Depth: 19.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931513711

Layer: Color: 2 General Color: **GREY** Mat1: 05 Most Common Material: CLAY Mat2: 28 SAND Mat2 Desc: Mat3: 79 **PACKED** Mat3 Desc: Formation Top Depth: 19.0 Formation End Depth: 26.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931513712

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: 73 Mat2 Desc: HARD

Mat3:

Mat3 Desc:

Formation Top Depth: 26.0 Formation End Depth: 40.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931513709

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 28

 Most Common Material:
 SAND

 Mat2:
 77

 Mat2 Desc:
 LOOSE

Mat3:

Mat3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 14.0
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

933146633 Plug ID:

Layer: 1 Plug From: 2.0 30.0 Plug To: Plug Depth UOM: ft

Method of Construction & Well

Method Construction ID: 962918837

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10722520

Casing No: Comment:

Alt Name:

Construction Record - Casing

930295589 Casing ID: 1

Layer: Material:

OPEN HOLE Open Hole or Material:

Depth From:

Depth To:

6.0 Casing Diameter: Casing Diameter UOM: inch Casing Depth UOM: ft

Water Details

Water ID: 933634181

Layer: Kind Code: 5

Kind: Not stated Water Found Depth: 26.0 Water Found Depth UOM:

Links

Bore Hole ID: 10173950 Tag No:

Depth M: 12.192 Contractor: 1507 Year Completed: 2000 Path:

291\2918837.pdf Well Completed Dt: 2000/02/21 Latitude: 44.2511073625817 Audit No: 214185 Longitude: -77.3881881695947

NNE/133.6 109.2 / -10.37 **78** 2 of 5 lot 11 con 5 **WWIS** ON

Order No: 23021600530

Well ID: 2918838 Flowing (Y/N):

Construction Date: Flow Rate: Use 1st: Data Entry Status:

Use 2nd: Data Src:

Final Well Status: Water Supply Date Received: 29-Dec-2000 00:00:00

TRUE Water Type: Selected Flag:

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

Abandonment Rec:

Concession Name:

Easting NAD83:

Northing NAD83:

UTM Reliability:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2918838.pdf

1507

011

CON

05

HASTINGS

1

Contractor:

Owner:

County:

Lot:

Zone:

Form Version:

Concession:

Casing Material:

Audit No: 214188

Tag: Constructn Method:

Elevation (m): Elevatn Reliabilty:

Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate: Static Water Level:

Clear/Cloudy: Municipality:

PDF URL (Map):

THURLOW TOWNSHIP Site Info:

Additional Detail(s) (Map)

Well Completed Date: 2000/01/26 Year Completed: 2000 Depth (m): 10.668

Latitude: 44.2511073625817 -77.3881881695947 Longitude: Path: 291\2918838.pdf

Bore Hole Information

Bore Hole ID: 10173951

DP2BR: Spatial Status: Code OB: Code OB Desc:

Open Hole: Cluster Kind:

26-Jan-2000 00:00:00 Date Completed:

Remarks:

Loc Method Desc: Lot centroid

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931513714

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

Most Common Material: LIMESTONE Mat2: 73

Mat2 Desc: **HARD**

Mat3: Mat3 Desc:

Formation Top Depth: 11.0 Formation End Depth: 35.0 Formation End Depth UOM:

Elevation:

Elevrc:

Zone: 18 East83: 309337.00 North83: 4902537.00

Org CS:

UTMRC:

UTMRC Desc: unknown UTM

Order No: 23021600530

Location Method: lot

Overburden and Bedrock

Materials Interval

Formation ID: 931513713

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Most Common Material:
 CLA'

 Mat2:
 34

 Mat2 Desc:
 TILL

 Mat3:
 13

Mat3 Desc:BOULDERSFormation Top Depth:0.0

Formation Top Depth: 0.0
Formation End Depth: 11.0
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933146634

 Layer:
 1

 Plug From:
 0.0

 Plug To:
 15.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962918838

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10722521

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930295590

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From: Depth To:

Casing Diameter: 6.0
Casing Diameter UOM: inch

Casing Depth UOM:

Construction Record - Casing

Casing ID: 930295591

Layer: 2
Material: 4

Open Hole or Material: OPEN HOLE

Depth From: Depth To:

Casing Diameter: 6.0

Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc:PUMPPump Test ID:992918838

 Pump Set At:
 4.0

 Static Level:
 4.0

 Final Level After Pumping:
 35.0

 Recommended Pump Depth:
 32.0

 Pumping Rate:
 50.0

Flowing Rate:

Recommended Pump Rate: 50.0 Levels UOM: GPM Rate UOM: Water State After Test Code: **CLEAR** Water State After Test: Pumping Test Method: 1 **Pumping Duration HR:** 9 **Pumping Duration MIN:** 0 Flowing: No

Draw Down & Recovery

 Pump Test Detail ID:
 934984651

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 35.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934184898

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 35.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934466165

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 35.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934723932

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 35.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933634183

 Layer:
 2

 Kind Code:
 5

Kind: Not stated

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

Water Found Depth: 28.0 Water Found Depth UOM: ft

Water Details

Water ID: 933634182

Layer: 5

Kind Code:

Kind: Not stated Water Found Depth: 16.0 ft Water Found Depth UOM:

Links

Bore Hole ID: 10173951

Contractor: Depth M: 10.668 1507

Path: 291\2918838.pdf Year Completed: 2000 2000/01/26 44.2511073625817 Well Completed Dt: Latitude: Audit No: 214188 -77.3881881695947 Longitude:

78 3 of 5 NNE/133.6 109.2 / -10.37 lot 11 con 5 **WWIS** ON

Tag No:

Well ID: 2918839 Flowing (Y/N):

Construction Date: Flow Rate: Data Entry Status: Use 1st: Use 2nd:

Data Src: **Observation Wells** Date Received:

Final Well Status: 29-Dec-2000 00:00:00 Water Type: Selected Flag: TRUE

Casing Material: Abandonment Rec:

Audit No: 214189 Contractor: 1507 Form Version: Tag:

Constructn Method: Owner:

Elevation (m): County: **HASTINGS** Elevatn Reliabilty: Lot: 011 05 Depth to Bedrock: Concession: Well Depth: Concession Name: CON

Overburden/Bedrock: Easting NAD83: Northing NAD83: Pump Rate:

Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2918839.pdf

Order No: 23021600530

Additional Detail(s) (Map)

Well Completed Date: 2000/01/20 Year Completed: 2000 5.7912 Depth (m):

Latitude: 44.2511073625817 Longitude: -77.3881881695947 291\2918839.pdf Path:

Bore Hole Information

Bore Hole ID: 10173952 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18

Code OB: East83: 309337.00 Code OB Desc: North83: 4902537.00

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

unknown UTM

Order No: 23021600530

Open Hole: Cluster Kind:

Date Completed: 20-Jan-2000 00:00:00

Remarks:

Loc Method Desc: Lot centroid

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931513715

Layer:

Color: 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 79

 Mat2 Desc:
 PACKED

Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 4.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931513717

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: 73

Mat2 Desc: HARD

Mat3: Mat3 Desc:

Formation Top Depth: 11.0
Formation End Depth: 19.0
Formation End Depth UOM: ft

Overburden and Bedrock

Formation End Depth UOM:

Materials Interval

Formation ID: 931513716

Layer: Color: 6 General Color: **BROWN** Mat1: 05 CLAY Most Common Material: Mat2: 28 Mat2 Desc: SAND Mat3: **PACKED** Mat3 Desc: Formation Top Depth: 4.0 Formation End Depth: 11.0

ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962918839 **Method Construction Code: Method Construction:** Cable Tool

Other Method Construction:

Pipe Information

10722522 Pipe ID: Casing No: Comment:

Alt Name:

Construction Record - Casing

930295592 Casing ID: Layer:

Material:

Open Hole or Material:

Depth From: Depth To:

6.0 Casing Diameter: Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: **BAILER** Pump Test ID: 992918839

Pump Set At:

Static Level: 4.0 Final Level After Pumping: 9.0 Recommended Pump Depth: 30.0 Pumping Rate: Flowing Rate:

Recommended Pump Rate: 30.0 Levels UOM: Rate UOM: **GPM**

Water State After Test Code: Water State After Test:

Pumping Test Method: 2 **Pumping Duration HR:** 1 Pumping Duration MIN: 0 Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934184899 Test Type: Draw Down Test Duration: 15 Test Level: 9.0 ft

Test Level UOM:

Draw Down & Recovery

934466166 Pump Test Detail ID: Test Type: Draw Down Test Duration: 30 Test Level: 9.0

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

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 934984652 Draw Down Test Type: Test Duration: 9.0 Test Level: Test Level UOM: ft

ft

Draw Down & Recovery

Pump Test Detail ID: 934723933 Test Type: Draw Down Test Duration: 45 Test Level: 9.0 Test Level UOM: ft

Water Details

Water ID: 933634184

Layer: Kind Code: 5

Not stated Kind: Water Found Depth: 16.0 Water Found Depth UOM: ft

Links

Bore Hole ID: 10173952 Tag No: 1507 Depth M: 5.7912 Contractor:

Year Completed: 2000 Path: 291\2918839.pdf Well Completed Dt: 2000/01/20 Latitude: 44.2511073625817 Audit No: 214189 Longitude: -77.3881881695947

78 4 of 5 NNE/133.6 109.2 / -10.37 lot 11 con 5 **WWIS** ON

Well ID: 2918843 Flowing (Y/N): Construction Date: Flow Rate:

Use 1st: Data Entry Status:

Use 2nd: Data Src: Final Well Status: Date Received:

29-Dec-2000 00:00:00 TRUE Water Type: Selected Flag:

Casing Material: Abandonment Rec: Audit No: 214190 1507 Contractor:

Tag: Form Version:

Constructn Method: Owner:

Elevation (m): County: **HASTINGS** Elevatn Reliabilty: Lot: 011 Depth to Bedrock: Concession: 05

Well Depth: Concession Name: CON Overburden/Bedrock: Easting NAD83:

Pump Rate: Northing NAD83: Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2918843.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 2000/02/25

 Year Completed:
 2000

 Depth (m):
 12.192

 Latitude:
 44.2511073625817

 Longitude:
 -77.3881881695947

 Path:
 291\2918843.pdf

Bore Hole Information

Bore Hole ID: 10173956

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

Date Completed: 25-Feb-2000 00:00:00 **Remarks:**

Loc Method Desc: Lot centroid Elevrc Desc:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

 Formation ID:
 931513734

 Layer:
 5

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material:LIMESTONEMat2:73Mat2 Desc:HARD

Mat3: Mat3 Desc:

Formation Top Depth: 27.0
Formation End Depth: 40.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931513732

 Layer:
 3

Color: 6 **BROWN** General Color: 28 Mat1: Most Common Material: SAND Mat2: 05 Mat2 Desc: CLAY 79 Mat3: Mat3 Desc: **PACKED** Formation Top Depth: 20.0 Formation End Depth: 26.0 Formation End Depth UOM:

Elevation: Elevrc:

 Zone:
 18

 East83:
 309337.00

 North83:
 4902537.00

Org CS:

UTMRC: 9

UTMRC Desc: unknown UTM

Order No: 23021600530

Location Method: lot

Overburden and Bedrock

Materials Interval

Formation ID: 931513731

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 79

 Mat2 Desc:
 PACKED

Mat3: Mat3 Desc:

Formation Top Depth: 16.0 Formation End Depth: 20.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931513730

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 79

 Mat2 Desc:
 PACKED

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 16.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931513733

Layer: 4 Color: **BROWN** General Color: Mat1: 28 Most Common Material: SAND Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 77 Mat3 Desc: LOOSE Formation Top Depth: 26.0 Formation End Depth: 27.0

Annular Space/Abandonment

Formation End Depth UOM:

Sealing Record

 Plug ID:
 933146637

 Layer:
 1

 Plug From:
 7.0

 Plug To:
 20.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Order No: 23021600530

ft

Method Construction ID: 962918843 0

Method Construction Code:

Method Construction: Not Known

Other Method Construction:

Pipe Information

Pipe ID: 10722526

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930295600 2

Layer: Material:

Open Hole or Material: **OPEN HOLE**

Depth From: Depth To:

6.0 Casing Diameter: Casing Diameter UOM: inch

Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930295599

Layer: 1 Material: Open Hole or Material: STEEL

Depth From: Depth To:

Casing Diameter: 6.0 Casing Diameter UOM: inch

Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: **BAILER** 992918843

Pump Test ID:

Pump Set At:

Static Level: 2.0 Final Level After Pumping: 6.0

Recommended Pump Depth:

Pumping Rate: 30.0

Flowing Rate:

Recommended Pump Rate:

Levels UOM:

GPM Rate UOM:

Water State After Test Code:

Water State After Test: Pumping Test Method:

2 **Pumping Duration HR:** 40 Pumping Duration MIN:

Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934984655 Test Type: Draw Down

Test Duration: 60

Test Level: 6.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:934184902Test Type:Draw DownTest Duration:15

Test Level: 6.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:934466169Test Type:Draw DownTest Duration:30

Test Level: 6.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:934723936Test Type:Draw DownTest Duration:45

 Test Duration:
 45

 Test Level:
 6.0

 Test Level UOM:
 ft

Water Details

Water ID: 933634188

Layer: 1 Kind Code: 5

Kind: Not stated
Water Found Depth: 27.0
Water Found Depth UOM: ft

Links

Bore Hole ID: 10173956 **Tag No:**

Contractor: Depth M: 12.192 1507 Year Completed: 2000 Path: 291\2918843.pdf Well Completed Dt: 2000/02/25 Latitude: 44.2511073625817 Audit No: 214190 Longitude: -77.3881881695947

78 5 of 5 NNE/133.6 109.2 / -10.37 lot 11 con 5 ON

Order No: 23021600530

Well ID: 2918891 Flowing (Y/N):

Construction Date: Flow Rate:
Use 1st: Not Used Data Entry Status:

Use 2nd: Data Src:

Final Well Status: Abandoned-Other Date Received: 01-Feb-2001 00:00:00

Water Type: Selected Flag: TRUE Casing Material: Abandonment Rec:

 Audit No:
 214357
 Contractor:
 1507

 Tag:
 Form Version:
 1

Tag: Form Version: 1
Constructn Method: Owner:

Elevation (m):County:HASTINGSElevatn Reliabilty:Lot:011Depth to Bedrock:Concession:05Well Depth:Concession Name:CON

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

Overburden/Bedrock:

Easting NAD83: Pump Rate: Northing NAD83: Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2918891.pdf

Additional Detail(s) (Map)

2000/08/09 Well Completed Date: Year Completed: 2000

Depth (m):

Latitude: 44.2511073625817 Longitude: -77.3881881695947 291\2918891.pdf Path:

Bore Hole Information

Bore Hole ID: 10174004 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 309337.00 East83: Code OB:

Code OB Desc: North83: 4902537.00 Org CS: Open Hole: Cluster Kind: **UTMRC**:

09-Aug-2000 00:00:00 Date Completed: **UTMRC Desc:**

unknown UTM Location Method: Remarks: lot

Loc Method Desc: Lot centroid

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: 962918891 **Method Construction Code:**

Method Construction: Not Known

Other Method Construction:

Pipe Information

Pipe ID: 10722574

Casing No:

Comment: Alt Name:

Links

Bore Hole ID: 10174004 Tag No:

Depth M: Contractor: 1507

2000 Path: 291\2918891.pdf Year Completed: Well Completed Dt: 2000/08/09 Latitude: 44.2511073625817 214357 -77.3881881695947 Audit No: Longitude:

109.2 / -10.37 79 1 of 17 NE/133.9 lot 11 con 5 **WWIS** ON

Well ID: 2917796 Flowing (Y/N): Construction Date: Flow Rate:

Use 1st: Domestic Data Entry Status:

Use 2nd: Data Src:

Final Well Status: Test Hole 08-Jul-1998 00:00:00 Date Received: TRUE Water Type: Selected Flag:

Casing Material: Abandonment Rec:

Audit No: 184602 Contractor: 1805

Form Version: Tag: Constructn Method: Owner:

HASTINGS Elevation (m): County: Elevatn Reliabilty: Lot: 011 Depth to Bedrock: Concession: 05

Well Depth: Concession Name: CON . Overburden/Bedrock: Easting NAD83:

Pump Rate: Northing NAD83: Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

THURLOW TOWNSHIP Municipality:

Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2917796.pdf PDF URL (Map):

Additional Detail(s) (Map)

1998/06/02 Well Completed Date: Year Completed: 1998 Depth (m): 22.86

44.2510991264774 Latitude: -77.3881515121583 Longitude: Path: 291\2917796.pdf

Bore Hole Information

10172909 Bore Hole ID: Elevation: DP2BR: Elevrc:

Spatial Status: 18 Zone: 309339.90 Code OB: East83: Code OB Desc: North83: 4902536.00 Open Hole: Org CS:

Cluster Kind: UTMRC:

9 02-Jun-1998 00:00:00

Date Completed: **UTMRC Desc:** unknown UTM

Remarks: Location Method:

Order No: 23021600530

Loc Method Desc: Lot centroid

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

931509869 Formation ID:

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

LIMESTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 8.0
Formation End Depth: 75.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931509866

 Layer:
 1

 Color:
 8

 General Color:
 BLACK

 Mat1:
 02

 Most Common Material:
 TOPSOIL

Mat2: 35
Mat2 Desc: WOOD FRAGMENTS

Mat3:12Mat3 Desc:STONESFormation Top Depth:0.0Formation End Depth:1.0Formation End Depth UOM:ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509867

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 12

 Mat2 Desc:
 STONES

Mat3: 35

Mat3 Desc: WOOD FRAGMENTS

Formation Top Depth: 1.0
Formation End Depth: 5.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509868

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 17

 Most Common Material:
 SHALE

 Mat2:
 71

Mat2 Desc: FRACTURED

Mat3: Mat3 Desc:

Formation Top Depth: 5.0
Formation End Depth: 8.0
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug ID: Layer: Plug From: Plug To: Plug Depth U	IOM:	933145640 3 3.0 0.0 ft			
Annular Space Sealing Reco	ce/Abandonment ord				
Plug ID: Layer: Plug From: Plug To: Plug Depth U	юм:	933145639 2 6.0 3.0 ft			
Annular Space Sealing Reco	ce/Abandonment ord				
Plug ID: Layer: Plug From: Plug To: Plug Depth U	IOM:	933145638 1 8.0 6.0 ft			
Method of Co Use	onstruction & Well				
Method Cons	struction Code:	962917796 1 Cable Tool			
Pipe Informa	<u>tion</u>				
Pipe ID: Casing No: Comment: Alt Name:		10721479 1			
Construction	Record - Casing				
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diam Casing Depth	eter: eter UOM:	930293979 2 4 OPEN HOLE 10.0 6.0 inch ft			
Construction	Record - Casing				
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame	eter:	930293978 1 1 STEEL 8.0 6.0 inch			

Casing Depth UOM:

Results of Well Yield Testing

Pumping Test Method Desc:BAILERPump Test ID:992917796

ft

Pump Set At: Static Level:

Static Level:4.0Final Level After Pumping:72.0Recommended Pump Depth:72.0Pumping Rate:2.0

Flowing Rate:

Recommended Pump Rate: 2.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2

Water State After Test: CLOUDY

Pumping Test Method:2Pumping Duration HR:1Pumping Duration MIN:0Flowing:No

Draw Down & Recovery

 Pump Test Detail ID:
 934972465

 Test Type:
 Recovery

 Test Duration:
 60

 Test Level:
 6.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934190348

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 56.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934463559

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 36.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934720644

 Test Type:
 Recovery

 Test Duration:
 45

 Test Level:
 17.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933633091

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 8.0

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

Water Found Depth UOM: ft

Water Details

Water ID: 933633092 2

Layer: Kind Code:

FRESH Kind: Water Found Depth: 10.0 Water Found Depth UOM:

Links

Bore Hole ID: 10172909

Depth M: 22.86 Contractor: 1805

Year Completed: 1998 Path: 291\2917796.pdf 1998/06/02 Well Completed Dt: Latitude: 44.2510991264774 Audit No: 184602 Longitude: -77.3881515121583

2 of 17 NE/133.9 109.2 / -10.37 lot 11 con 5 **79 WWIS**

Tag No:

Well ID: 2917797 Flowing (Y/N): **Construction Date:** Flow Rate:

Use 1st: Domestic Data Entry Status: Use 2nd: Data Src:

Final Well Status: Water Supply Date Received: 08-Jul-1998 00:00:00

Water Type: Selected Flag: TRUE Abandonment Rec:

Casing Material: Audit No: 184600 Contractor: 1805

Form Version: Tag:

Constructn Method: Owner: Elevation (m): **HASTINGS** County:

Elevatn Reliabilty: 011 Lot: Depth to Bedrock: Concession: 05 Well Depth: Concession Name: CON Overburden/Bedrock: Easting NAD83:

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

Clear/Cloudy: UTM Reliability:

THURLOW TOWNSHIP Municipality:

Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2917797.pdf PDF URL (Map):

Order No: 23021600530

Additional Detail(s) (Map)

Well Completed Date: 1998/06/05 Year Completed: 1998 Depth (m): 12.192

Latitude: 44.2510991264774 -77.3881515121583 Longitude: Path: 291\2917797.pdf

Bore Hole Information

Bore Hole ID: 10172910 Elevation:

DP2BR: Elevrc:

18 Spatial Status: Zone: Code OB: East83: 309339.90 Code OB Desc: North83: 4902536.00

Open Hole: Org CS:

UTMRC:

UTMRC Desc:

Location Method:

unknown UTM

Order No: 23021600530

lot

Cluster Kind: Date Completed:

05-Jun-1998 00:00:00

Remarks:

Loc Method Desc:

Lot centroid

Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

 Formation ID:
 931509873

 Layer:
 4

 Color:
 2

 General Color:
 GREY

Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 7.0
Formation End Depth: 40.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931509872

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 17

Most Common Material: SHALE

Mat2:71Mat2 Desc:FRACTURED

Mat3: Mat3 Desc:

Formation Top Depth: 5.0
Formation End Depth: 7.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509870

 Layer:
 1

 Color:
 8

 General Color:
 BLACK

 Mat1:
 02

 Most Common Material:
 TOPSOIL

 Mat2:
 12

 Mat2 Desc:
 STONES

Mat3: 35

Mat3 Desc: WOOD FRAGMENTS

Formation Top Depth: 0.0 Formation End Depth: 1.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509871

Layer: 2 **Color:** 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 12

 Mat2 Desc:
 STONES

Mat3:35Mat3 Desc:WOOD FRAGMENTS

Formation Top Depth: 1.0
Formation End Depth: 5.0
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933145641

 Layer:
 1

 Plug From:
 7.0

 Plug To:
 2.0

Plug To: 2.0
Plug Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933145642

 Layer:
 2

 Plug From:
 2.0

Plug To: 0.0 Plug Depth UOM: 6t

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962917797

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10721480

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930293981

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:40.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930293980 Layer: Material:

Open Hole or Material: STEEL Depth From:

7.0 Depth To: Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: **BAILER** Pump Test ID: 992917797

Pump Set At: 6.0 Static Level: Final Level After Pumping: 7.0 Recommended Pump Depth: 38.0 Pumping Rate: 25.0

Flowing Rate:

Recommended Pump Rate: 8.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: 2 Water State After Test: **CLOUDY** Pumping Test Method: **Pumping Duration HR:** Pumping Duration MIN: 0 Flowing: No

Draw Down & Recovery

934463560 Pump Test Detail ID: Test Type: Recovery Test Duration: 30 Test Level: 6.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934972466 Test Type: Recovery Test Duration: 60 Test Level: 6.0 Test Level UOM: ft

Draw Down & Recovery

934190349 Pump Test Detail ID: Test Type: Recovery Test Duration: 15 Test Level: 6.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934720645 Test Type: Recovery Test Duration:

Test Level: 6.0
Test Level UOM: ft

Water Details

Water ID: 933633093

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 8.0

Water Found Depth: 8.
Water Found Depth UOM: ft

Water Details

Water ID: 933633094

Layer: 2
Kind Code: 1

Kind: FRESH
Water Found Depth: 11.0
Water Found Depth UOM: ft

<u>Links</u>

Bore Hole ID: 10172910 **Tag No:**

Depth M: 12.192 **Contractor:** 1805

 Year Completed:
 1998
 Path:
 291\2917797.pdf

 Well Completed Dt:
 1998/06/05
 Latitude:
 44.2510991264774

 Audit No:
 184600
 Longitude:
 -77.3881515121583

79 3 of 17 NE/133.9 109.2 / -10.37 lot 11 con 5

Flowing (Y/N):

Order No: 23021600530

Well ID: 2917798

Construction Date: Flow Rate:
Use 1st: Domestic Data Entry Status:

Use 2nd: Data Src:

Final Well Status: Water Supply Date Received: 08-Jul-1998 00:00:00

Water Type: Selected Flag: TRUE

Casing Material: Abandonment Rec:

 Audit No:
 184601
 Contractor:
 1805

 Tag:
 Form Version:
 1

Tag: Form Version: 1
Constructn Method: Owner:

Elevation (m):County:HASTINGSElevatn Reliabilty:Lot:011Depth to Bedrock:Concession:05

Well Depth: Concession: 05

Well Depth: Concession Name: CON

Overburden/Bedrock: Easting NAD83:

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

Clear/Cloudy: UTM Reliability:

THE DECOMPTION OF THE DECOMPT OF THE

Municipality: THURLOW TOWNSHIP Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2917798.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1998/06/10

 Year Completed:
 1998

 Depth (m):
 15.24

Latitude: 44.2510991264774 **Longitude:** -77.3881515121583

Path: 291\2917798.pdf

Bore Hole Information

 Bore Hole ID:
 10172911
 Elevation:

 DP2BR:
 Elevrc:

 DF2 DR.
 Elevic.

 Spatial Status:
 Zone:
 18

 Code OB:
 52583:
 3093

 Code OB:
 East83:
 309339.90

 Code OB Desc:
 North83:
 4902536.00

 Open Hole:
 Org CS:

Cluster Kind: UTMRC:

Date Completed:10-Jun-1998 00:00:00UTMRC Desc:unknown UTMRemarks:Location Method:lot

Remarks: Location Method: Loc Method Desc: Lot centroid

Overburden and Bedrock

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

Materials Interval

Elevrc Desc:

Formation ID: 931509874

 Layer:
 1

 Color:
 8

 General Color:
 BLACK

 Mat1:
 02

 Most Common Material:
 TOPSOIL

 Mat2:
 28

 Mat2 Desc:
 SAND

Mat3 Desc: WOOD FRAGMENTS

35

Formation Top Depth: 0.0 Formation End Depth: 1.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Mat3:

Formation ID: 931509875

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

Mat1:05Most Common Material:CLAY

Mat2: CLAY

Mat2 Desc: BOULDERS

Mat3 Desc:

Mat3:

Formation Top Depth: 1.0
Formation End Depth: 5.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509877

 Layer:
 4

 Color:
 2

 General Color:
 GREY

Mat1: 15

Most Common Material: LIMESTONE Mat2:

Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 9.0
Formation End Depth: 50.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509876

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 13

Most Common Material: BOULDERS

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 5.0
Formation End Depth: 9.0
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 933145643

 Layer:
 1

 Plug From:
 10.0

 Plug To:
 7.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 933145645

 Layer:
 3

 Plug From:
 5.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 933145644

 Layer:
 2

 Plug From:
 7.0

 Plug To:
 5.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962917798

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10721481

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930293982

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

Depth From:

Depth To: 10.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930293983

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:
Depth To: 50.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 992917798

Pump Set At: Static Level: 19.0

Final Level After Pumping:

Recommended Pump Depth: 47.0 Pumping Rate: 10.0

Flowing Rate:

Recommended Pump Rate: 8.0
Levels UOM: ft

Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY

Pumping Test Method:2Pumping Duration HR:1Pumping Duration MIN:0Flowing:No

Draw Down & Recovery

 Pump Test Detail ID:
 934463561

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 19.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934972467

 Test Type:
 Recovery

 Test Duration:
 60

 Test Level:
 19.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934190350

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 20.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934720646

 Test Type:
 Recovery

 Test Duration:
 45

 Test Level:
 19.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933633096

 Layer:
 2

Kind Code: 3

Kind: SULPHUR
Water Found Depth: 34.0
Water Found Depth UOM: ft

Water Details

Water ID: 933633095

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 23.0

 Water Found Depth UOM:
 ft

<u>Links</u>

Bore Hole ID: 10172911 Tag No:

Depth M: 15.24 **Contractor:** 1805

 Year Completed:
 1998
 Path:
 291\2917798.pdf

 Well Completed Dt:
 1998/06/10
 Latitude:
 44.2510991264774

 Audit No:
 184601
 Longitude:
 -77.3881515121583

79 4 of 17 NE/133.9 109.2 / -10.37 lot 11 con 5 ON WWIS

Date Received:

08-Jul-1998 00:00:00

Order No: 23021600530

Well ID: 2917799 **Flowing (Y/N)**:

Water Supply

Construction Date: Flow Rate:
Use 1st: Domestic Data Entry Status:

Use 2nd:

Data Src:

Water Type: Selected Flag: TRUE

Casing Material: Abandonment Rec:

 Audit No:
 184609
 Contractor:
 1805

 Tag:
 Form Version:
 1

Tag: Form Version: 1
Constructn Method: Owner:

Final Well Status:

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

HASTINGS Elevation (m): County: Elevatn Reliabilty: 011 Lot: 05 Depth to Bedrock: Concession: CON Well Depth: Concession Name:

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

UTM Reliability: Clear/Cloudy:

Municipality: THURLOW TOWNSHIP Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2917799.pdf

Additional Detail(s) (Map)

Well Completed Date: 1998/06/16 1998 Year Completed: 12.4968 Depth (m):

Latitude: 44.2510991264774 Longitude: -77.3881515121583 291\2917799.pdf Path:

Bore Hole Information

Bore Hole ID: 10172912 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18

Code OB: East83: 309339.90 Code OB Desc: North83: 4902536.00 Open Hole: Org CS:

Cluster Kind: UTMRC:

Date Completed: 16-Jun-1998 00:00:00 UTMRC Desc: unknown UTM

Remarks: Location Method:

Loc Method Desc: Lot centroid

Elevrc Desc: Location Source Date:

Source Revision Comment: Supplier Comment:

Improvement Location Source: Improvement Location Method:

Overburden and Bedrock Materials Interval

931509878 Formation ID:

Layer: Color: 6

BROWN General Color: Mat1: 02 **TOPSOIL** Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

0.0 Formation Top Depth: Formation End Depth: 1.0

Formation End Depth UOM: ft

Overburden and Bedrock **Materials Interval**

Formation ID: 931509881

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 8.0
Formation End Depth: 41.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509880

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 13

 Mat2 Desc:
 BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 5.0
Formation End Depth: 8.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509879

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 12

 Mat2 Desc:
 STONES

Mat3: Mat3 Desc:

Formation Top Depth: 1.0
Formation End Depth: 5.0
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933145646

 Layer:
 1

 Plug From:
 8.0

 Plug To:
 5.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933145647

 Layer:
 2

 Plug From:
 5.0

Plug To: 0.0

Plug Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962917799
Method Construction Code: 1

Method Construction:
Other Method Construction:

Cable Tool

Pipe Information

Pipe ID: 10721482
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930293985

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:41.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930293984

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To: 8.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER **Pump Test ID:** 992917799

Pump Set At:

Static Level:12.0Final Level After Pumping:33.0Recommended Pump Depth:38.0Pumping Rate:12.0

Flowing Rate: Recommended Pump Rate:

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

Water State After Test: CLOUDY
Pumping Test Method: 2

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

Order No: 23021600530

8.0

Draw Down & Recovery

 Pump Test Detail ID:
 934720647

 Test Type:
 Recovery

 Test Duration:
 45

 Test Level:
 13.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934190351

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 13.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934972468

 Test Type:
 Recovery

 Test Duration:
 60

 Test Level:
 13.0

 Test Level UOM:
 ft

Draw Down & Recovery

Water Found Depth UOM:

 Pump Test Detail ID:
 934463562

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 13.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933633097

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 17.0

<u>Links</u>

 Bore Hole ID:
 10172912
 Tag No:

 Depth M:
 12.4968
 Contractor:
 1805

 Year Completed:
 1998
 Path:
 291\2917799.pdf

 Well Completed Dt:
 1998/06/16
 Latitude:
 44.2510991264774

 Audit No:
 184609
 Longitude:
 -77.3881515121583

79 5 of 17 NE/133.9 109.2 / -10.37 lot 11 con 5 ON WWIS

Order No: 23021600530

Well ID: 2917800 **Flowing (Y/N):**

Construction Date:Flow Rate:Use 1st:DomesticData Entry Status:

Use 2nd:
Data Src:

Final Well Status:Water SupplyDate Received:08-Jul-1998 00:00:00Water Type:Selected Flag:TRUE

Water Type: Selected Flag: TRU
Casing Material: Abandonment Rec:

Audit No: 184599 **Contractor:** 1805

UTM Reliability:

1

Order No: 23021600530

Tag: Form Version:

Constructn Method: Owner: **HASTINGS** Elevation (m): County: Elevatn Reliabilty: Lot: 011

Depth to Bedrock: Concession: 05 Well Depth: Concession Name: CON Overburden/Bedrock: Easting NAD83:

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

Clear/Cloudy: THURLOW TOWNSHIP Municipality:

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2917800.pdf

Additional Detail(s) (Map)

1998/06/22 Well Completed Date: Year Completed: 1998 Depth (m): 19.812

44.2510991264774 Latitude: -77.3881515121583 Longitude: Path: 291\2917800.pdf

Bore Hole Information

Bore Hole ID: 10172913 Elevation: DP2BR: Elevrc:

Spatial Status: Zone:

Code OB: East83: 309339.90 Code OB Desc: North83: 4902536.00

Open Hole: Org CS: Cluster Kind: UTMRC:

22-Jun-1998 00:00:00 UTMRC Desc: Date Completed:

unknown UTM Location Method: Remarks:

Loc Method Desc: Lot centroid

Elevrc Desc: Location Source Date:

Improvement Location Method: Source Revision Comment: Supplier Comment:

Improvement Location Source:

Overburden and Bedrock

Materials Interval

Formation ID: 931509882

Layer: 8 Color: **BLACK** General Color: Mat1:

TOPSOIL Most Common Material: Mat2:

Mat2 Desc: Mat3: Mat3 Desc:

0.0 Formation Top Depth: Formation End Depth: 1.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509885

Layer: Color: 6 General Color: **BROWN** 05 Mat1: Most Common Material: CLAY Mat2: Mat2 Desc: **GRAVEL** Mat3: DENSE Mat3 Desc: Formation Top Depth: 9.0 Formation End Depth: 14.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509884

 Layer:
 3

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 66

 Mat2 Desc:
 DENSE

Mat3: Mat3 Desc:

Formation Top Depth: 2.0
Formation End Depth: 9.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509886

 Layer:
 5

 Color:
 6

General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 13

Mat2 Desc: BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 14.0
Formation End Depth: 18.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509888

 Layer:
 7

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 22.0

Formation End Depth: 65.0 ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509883

Layer: 2 **Color:** 6

General Color: BROWN Mat1: 28
Most Common Material: SAND

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 1.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509887

Layer: Color: 2 General Color: **GREY** Mat1: 05 Most Common Material: CLAY Mat2: 12 STONES Mat2 Desc: Mat3: 11 **GRAVEL** Mat3 Desc: Formation Top Depth: 18.0 Formation End Depth: 22.0

Annular Space/Abandonment

Formation End Depth UOM:

Sealing Record

Plug ID: 933145648

ft

 Layer:
 1

 Plug From:
 10.0

 Plug To:
 2.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 933145649

 Layer:
 2

 Plug From:
 2.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962917800

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10721483

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930293987

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:65.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930293986

Layer: 1
Material: 1

Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM:

STEEL

22.0
6.0
inch
ft

Results of Well Yield Testing

Pumping Test Method Desc:BAILERPump Test ID:992917800

Pump Set At:

Static Level:7.0Final Level After Pumping:56.0Recommended Pump Depth:63.0Pumping Rate:12.0

Flowing Rate:

Recommended Pump Rate: 8.0 Levels UOM: ft

Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY

Pumping Test Method:2Pumping Duration HR:1Pumping Duration MIN:0Flowing:No

Draw Down & Recovery

 Pump Test Detail ID:
 934190352

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 10.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934972469

 Test Type:
 Recovery

 Test Duration:
 60

 Test Level:
 8.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934463563

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 8.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934720648

 Test Type:
 Recovery

 Test Duration:
 45

 Test Level:
 8.0

 Test Level UOM:
 ft

Water Details

Water ID: 933633098

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 22.0

 Water Found Depth UOM:
 ft

<u>Links</u>

 Bore Hole ID:
 10172913
 Tag No:

 Depth M:
 19.812
 Contractor:
 1805

 Year Completed:
 1998
 Path:
 291\2917800.pdf

 Well Completed Dt:
 1998/06/22
 Latitude:
 44.2510991264774

 Audit No:
 184599
 Longitude:
 -77.3881515121583

79 6 of 17 NE/133.9 109.2 / -10.37 lot 11 con 5 ON WWIS

Order No: 23021600530

Well ID: 2911409 **Flowing (Y/N):**

Construction Date: Flow Rate:

Use 1st: Domestic Data Entry Status:
Use 2nd: Data Src:

Final Well Status:Water SupplyDate Received:30-Jan-1987 00:00:00Water Type:Selected Flag:TRUE

Casing Material: Abandonment Rec:

 Audit No:
 05300
 Contractor:
 1507

 Tag:
 Form Version:
 1

 Constructn Method:
 Owner:

 Elevation (m):
 County:
 HASTINGS

 Elevatn Reliabilty:
 Lot:
 011

 Depth to Bedrock:
 Concession:
 05

 Well Depth:
 Concession Name:
 CON

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

Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2911409.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1986/10/14

 Year Completed:
 1986

 Depth (m):
 26.8224

 Latitude:
 44.2510991264774

 Longitude:
 -77.3881515121583

 Path:
 291\2911409.pdf

Bore Hole Information

Bore Hole ID: 10166542 Elevation: DP2BR: Elevro:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 309339.90

 Code OB Desc:
 North83:
 4902536.00

 Code OB Desc:
 North83:
 49025

 Open Hole:
 Org CS:

Cluster Kind: UTMRC:

Date Completed: 14-Oct-1986 00:00:00 UTMRC Desc: unknown UTM

Remarks: Location Method: lot Loc Method Desc: Lot centroid

Eloc Welflod Desc.

Elevrc Desc: Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931486610

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 02

Most Common Material: TOPSOIL
Mat2: 77
Mat2 Desc: LOOSE

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 1.0

Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931486611

Layer: 2 **Color**: 6

General Color: BROWN
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Mat2 Desc: BOULDERS

Mat3: 73 Mat3 Desc: HARD

Formation Top Depth: 1.0
Formation End Depth: 32.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931486613

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: 73 Mat2 Desc: HARD

Mat3:

Mat3 Desc:

Formation Top Depth: 82.0 Formation End Depth: 88.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931486612

3 Layer: Color: **GREY** General Color: Mat1: 14 Most Common Material: **HARDPAN** 73 Mat2: HARD Mat2 Desc: Mat3: 79 Mat3 Desc: **PACKED** Formation Top Depth: 32.0 Formation End Depth: 82.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962911409

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10715112

Casing No: 1 Comment:

Alt Name:

Construction Record - Casing

Casing ID: 930283631

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

Depth From:

Depth To: 84.0 Casing Diameter: 6.0

Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930283632

Layer: 2 Material: 4

Open Hole or Material:

OPEN HOLE

Depth From:

Depth To:88.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc:PUMPPump Test ID:992911409

Pump Set At:

Static Level:9.0Final Level After Pumping:88.0Recommended Pump Depth:85.0Pumping Rate:7.0

Flowing Rate:

Recommended Pump Rate: 7.0 Levels UOM: ft **GPM** Rate UOM: Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: 1 **Pumping Duration HR:** 1 30 **Pumping Duration MIN:** Flowing: Nο

Draw Down & Recovery

 Pump Test Detail ID:
 934456749

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 25.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934975517

 Test Type:
 Recovery

 Test Duration:
 60

 Test Level:
 12.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934174873

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 49.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934723588

 Test Type:
 Recovery

 Test Duration:
 45

 Test Level:
 16.0

 Test Level UOM:
 ft

Water Details

Water ID: 933625707

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 82.0

 Water Found Depth UOM:
 ft

Links

Bore Hole ID: 10166542 **Tag No:**

Depth M: 26.8224 **Contractor**: 1507

 Year Completed:
 1986
 Path:
 291\2911409.pdf

 Well Completed Dt:
 1986/10/14
 Latitude:
 44.2510991264774

 Audit No:
 05300
 Longitude:
 -77.3881515121583

79 7 of 17 NE/133.9 109.2 / -10.37 lot 11 con 5 ON WWIS

Well ID: 2911845 Flowing (Y/N): Construction Date: Flow Rate:

Construction Date: Flow Rate:
Use 1st: Domestic Data Entry Status:

Use 2nd: Data Src:

Final Well Status: Water Supply Date Received: 03-Feb-1988 00:00:00

Water Type: Selected Flag: TRUE Casing Material: Abandonment Rec:

 Audit No:
 25021
 Contractor:
 1507

Tag: Form Version: 1
Constructn Method: Owner:

Elevation (m):County:HASTINGSElevatn Reliabilty:Lot:011Depth to Bedrock:Concession:05Well Depth:Concession Name:CON

 Overburden/Bedrock:
 Easting NAD83:

 Pump Rate:
 Northing NAD83:

Static Water Level: Zone:

Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2911845.pdf

Order No: 23021600530

Additional Detail(s) (Map)

 Well Completed Date:
 1987/12/14

 Year Completed:
 1987

 Depth (m):
 32.3088

 Latitude:
 44.2510991264774

 Longitude:
 -77.3881515121583

 Path:
 291\2911845.pdf

Bore Hole Information

Bore Hole ID: 10166976 Elevation: DP2BR: Elevrc:

UTMRC Desc:

Location Method:

unknown UTM

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 309339.90

 Code OB Desc:
 North83:
 4902536.00

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 14-Dec-1987 00:00:00

Remarks:

Loc Method Desc: Lot centroid

Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

 Formation ID:
 931488123

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 13

 Mat2 Desc:
 BOULDERS

Mat3:79Mat3 Desc:PACKEDFormation Top Depth:0.0Formation End Depth:30.0Formation End Depth UOM:ft

Overburden and Bedrock

Materials Interval

Formation ID: 931488125

3 Layer: Color: **GREY** General Color: Mat1: 05 Most Common Material: CLAY Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 79 Mat3 Desc: **PACKED** Formation Top Depth: 60.0 Formation End Depth: 74.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931488126

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material:LIMESTONEMat2:73Mat2 Desc:HARD

Mat3:

Mat3 Desc: Formation Top Depth: 74.0

Formation End Depth: 106.0 ft

Overburden and Bedrock

Materials Interval

Formation ID: 931488124

PACKED

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 14

 Most Common Material:
 HARDPAN

 Mat2:
 79

Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 30.0 Formation End Depth: 60.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:962911845Method Construction Code:1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10715546

Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930284331

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 106.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930284330

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

Depth From: Depth To:

Depth To:76.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER

 Pump Test ID:
 992911845

 Pump Set At:
 992911845

Static Level:30.0Final Level After Pumping:106.0Recommended Pump Depth:103.0Pumping Rate:2.0

Flowing Rate:
Recommended Pump Rate:
Levels UOM:

2.0

ft

Rate UOM:

Water State After Test Code:

Water State After Test:

CLEAR

Pumping Test Method:

Pumping Duration HR:

Pumping Duration MIN:

O

Flowing:

No

Draw Down & Recovery

 Pump Test Detail ID:
 934175462

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 86.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934724166

 Test Type:
 Recovery

 Test Duration:
 45

 Test Level:
 53.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934976096

 Test Type:
 Recovery

 Test Duration:
 60

 Test Level:
 40.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934457335

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 68.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933626228

 Layer:
 1

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 75.0

 Water Found Depth UOM:
 ft

<u>Links</u>

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

1507

Order No: 23021600530

10166976 Bore Hole ID: Tag No: Depth M: 32.3088 Contractor:

Year Completed: 1987 Path: 291\2911845.pdf 1987/12/14 Well Completed Dt: Latitude: 44.2510991264774 Audit No: 25021 Longitude: -77.3881515121583

79 8 of 17 NE/133.9 109.2 / -10.37 lot 11 con 5 **WWIS**

Well ID: 2916901 Flowing (Y/N):

Construction Date: Flow Rate: Use 1st: Domestic Data Entry Status:

Use 2nd: Data Src:

Water Supply Final Well Status: Date Received: 07-Nov-1995 00:00:00

TRUE Water Type: Selected Flag:

Casing Material: Abandonment Rec: Audit No: 160668 Contractor: 1805

Form Version: Tag: 1 Constructn Method: Owner:

Elevation (m): County: **HASTINGS** Elevatn Reliabilty: 011 I of Depth to Bedrock: Concession: 05

Well Depth: Concession Name: CON . Overburden/Bedrock: Easting NAD83:

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

Clear/Cloudy: UTM Reliability:

THURLOW TOWNSHIP Municipality: Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2916901.pdf PDF URL (Map):

Additional Detail(s) (Map)

1995/10/06 Well Completed Date: 1995 Year Completed: Depth (m): 11.8872

Latitude: 44.2510991264774 Longitude: -77.3881515121583 Path: 291\2916901.pdf

Bore Hole Information

Bore Hole ID: 10172015 Elevation: DP2BR:

Elevrc: Spatial Status: Zone:

Code OB: East83: 309339.90 Code OB Desc: 4902536.00 North83: Org CS:

Open Hole: Cluster Kind: UTMRC:

Date Completed: 06-Oct-1995 00:00:00 **UTMRC Desc:** unknown UTM

Remarks: Location Method:

Loc Method Desc: Lot centroid

Elevrc Desc:

Location Source Date: Improvement Location Source:

Improvement Location Method: Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931506342

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 66

 Mat2 Desc:
 DENSE

Mat3: Mat3 Desc:

Formation Top Depth: 1.0
Formation End Depth: 4.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931506346

 Layer:
 6

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 28.0 Formation End Depth: 31.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931506344 **Laver:** 4

Layer: Color: General Color: **GREY** Mat1: 05 Most Common Material: CLAY Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 12 Mat3 Desc: **STONES** Formation Top Depth: 16.0 Formation End Depth: 23.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931506348

 Layer:
 8

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 39.0

Formation End Depth: 39.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931506347 Layer: Color: 2 General Color: **GREY** 05 Mat1: Most Common Material: CLAY

Mat2 Desc: **BOULDERS**

13

Mat3:

Mat2:

Mat3 Desc:

Formation Top Depth: 31.0 39.0 Formation End Depth: Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931506341 Formation ID:

Layer:

Color: 6 General Color: **BROWN**

Mat1: 02

Most Common Material: **TOPSOIL**

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 1.0 ft Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931506345

5 Layer: Color: General Color: **GREY** Mat1: 11 Most Common Material: **GRAVEL** Mat2: 05

Mat2 Desc: CLAY

Mat3: Mat3 Desc:

Formation Top Depth: 23.0 28.0 Formation End Depth:

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931506343

Layer: 3 Color: 6 General Color: **BROWN**

05 Mat1:

CLAY Most Common Material: Mat2: 11 GRAVEL Mat2 Desc: Mat3: 12 Mat3 Desc: **STONES** Formation Top Depth: 4.0 Formation End Depth: 16.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933144504

 Layer:
 2

 Plug From:
 6.0

Plug To: 12.0 Plug Depth UOM: 12.0

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933144503

 Layer:
 1

 Plug From:
 0.0

Plug To: 6.0
Plug Depth UOM: ft

Method of Construction & Well

Use

Method Construction ID: 962916901

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10720585

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930292548

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

Depth From:

Depth To: 35.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930292549

Layer: 2
Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 39.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

BAILER Pumping Test Method Desc: Pump Test ID: 992916901

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

11.0 32.0 Recommended Pump Depth: 37.0 8.0

Pumping Rate: Flowing Rate:

Recommended Pump Rate: 5.0 Levels UOM: ft **GPM** Rate UOM: Water State After Test Code: 2 Water State After Test: **CLOUDY** Pumping Test Method: 2 **Pumping Duration HR:** 1 0 **Pumping Duration MIN:** No Flowing:

Draw Down & Recovery

Pump Test Detail ID: 934718319 Test Type: Recovery Test Duration: 45 Test Level: 13.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934187595 Test Type: Recovery Test Duration: 15 14.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934979028 Pump Test Detail ID: Test Type: Recovery Test Duration: 60 Test Level: 12.0 Test Level UOM:

Draw Down & Recovery

934460804 Pump Test Detail ID: Recovery Test Type: Test Duration: 30 Test Level: 13.0 Test Level UOM: ft

Water Details

Water ID: 933632057 Layer:

Kind Code: 1

Kind: FRESH
Water Found Depth: 36.0
Water Found Depth UOM: ft

<u>Links</u>

Bore Hole ID: 10172015 **Tag No:**

Depth M: 11.8872 **Contractor:** 1805

 Year Completed:
 1995
 Path:
 291\2916901.pdf

 Well Completed Dt:
 1995/10/06
 Latitude:
 44.2510991264774

 Audit No:
 160668
 Longitude:
 -77.3881515121583

79 9 of 17 NE/133.9 109.2 / -10.37 lot 11 con 5 ON WWIS

Flowing (Y/N):

Order No: 23021600530

Well ID: 2916902

Construction Date: Flow Rate:
Use 1st: Domestic Data Entry Status:

Use 2nd:

Data Entry Status.

Data Src:

Final Well Status: Water Supply Date Received: 07-Nov-1995 00:00:00

Water Type: Selected Flag: TRUE

Casing Material:Abandonment Rec:Audit No:160669Contractor:1805

Tag: Form Version: 1
Constructn Method: Owner:

 Elevation (m):
 County:
 HASTINGS

 Elevatn Reliabilty:
 Lot:
 011

 Depth to Bedrock:
 Concession:
 05

 Well Depth:
 Concession Name:
 CON

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83:

Static Water Level: Zone:

Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2916902.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1995/10/03

 Year Completed:
 1995

 Depth (m):
 12.4968

 Latitude:
 44.2510991264774

 Longitude:
 -77.3881515121583

 Path:
 291\2916902.pdf

Bore Hole Information

Bore Hole ID: 10172016 Elevation: DP2BR: Elevic:

Spatial Status: Zone: 18

 Code OB:
 East83:
 309339.90

 Code OB Desc:
 North83:
 4902536.00

 Open Hole:
 Org CS:

Cluster Kind: UTMRC:

Date Completed: 03-Oct-1995 00:00:00 UTMRC Desc: unknown UTM

Remarks: Location Method: lot

Loc Method Desc: Lot centroid

Elevrc Desc: Location Source Date:

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

Overburden and Bedrock Materials Interval

Formation ID: 931506350

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 66

 Mat2 Desc:
 DENSE

Mat3:

Mat3 Desc:

Formation Top Depth: 1.0
Formation End Depth: 3.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931506354

 Layer:
 6

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GR Δ V FI

Most Common Material:GRAVELMat2:15

Mat2 Desc: LIMESTONE

Mat3: 71

Mat3 Desc: FRACTURED

Formation Top Depth: 31.0
Formation End Depth: 36.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931506349

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

Mat1: 02
Most Common Material: TOPSOIL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 1.0

Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931506351

 Layer:
 3

 Color:
 6

BROWN General Color: Mat1: 05 CLAY Most Common Material: Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 12 Mat3 Desc: **STONES** Formation Top Depth: 3.0 Formation End Depth: 15.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

 Formation ID:
 931506355

 Layer:
 7

 Color:
 2

 General Color:
 GREY

Mat1: 15
Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 36.0 Formation End Depth: 41.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931506352 Layer: Color: 2 General Color: **GREY** Mat1: 05 CLAY Most Common Material: Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 13 **BOULDERS** Mat3 Desc: Formation Top Depth: 15.0 Formation End Depth: 22.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931506353

 Layer:
 5

Color: **GREY** General Color: Mat1: GRAVEL Most Common Material: Mat2: 05 CLAY Mat2 Desc: 73 Mat3: Mat3 Desc: HARD Formation Top Depth: 22.0 Formation End Depth: 31.0 Formation End Depth UOM:

Annular Space/Abandonment

Sealing Record

Plug ID: 933144505

 Layer:
 1

 Plug From:
 0.0

 Plug To:
 8.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 933144506

 Layer:
 2

 Plug From:
 8.0

 Plug To:
 15.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962916902

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10720586

Casing No: 1
Comment:

Alt Name:

Construction Record - Casing

 Casing ID:
 930292551

 Laver:
 2

Layer: Material:

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:40.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930292550

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

Depth From:

Depth To:36.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc:BAILERPump Test ID:992916902

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Set At:					
Static Level:		11.0			
Final Level After Pumping:		26.0			
Recommended Pump Depth:		38.0			
Pumping Rate:		25.0			
Flowing Rate:					
Recommended Pump Rate:		15.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		2			
Water State After Test:		CLOUDY			
Pumping Test Method:		2			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		No			
Draw Down & Recovery					
Pump Test Detail ID:		934460805			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		12.0			
Test Level UOM:		ft			

Draw Down & Recovery

 Pump Test Detail ID:
 934187596

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 14.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934718320

 Test Type:
 Recovery

 Test Duration:
 45

 Test Level:
 12.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934979029

 Test Type:
 Recovery

 Test Duration:
 60

 Test Level:
 11.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933632058

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 38.0

 Water Found Depth UOM:
 ft

<u>Links</u>

Bore Hole ID: 10172016 **Depth M:** 12.4968 Tag No: 1805

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

Year Completed: 1995 291\2916902.pdf Path: Well Completed Dt: 1995/10/03 Latitude: 44.2510991264774 160669 Longitude: Audit No: -77.3881515121583

10 of 17 **79** NE/133.9 109.2 / -10.37 lot 11 con 5 **WWIS** ON

Well ID: 2917673 Flowing (Y/N):

Construction Date: Flow Rate: Use 1st: Domestic Data Entry Status:

Use 2nd: Data Src:

13-Jan-1998 00:00:00 Final Well Status: Water Supply Date Received: TRUE

Water Type: Selected Flag: Casing Material: Abandonment Rec:

180416 1507 Audit No: Contractor: Form Version: Tag: 1

Constructn Method: Owner: **HASTINGS** Elevation (m): County: Elevatn Reliabilty: Lot: 011

Depth to Bedrock: Concession: 05 CON Well Depth: Concession Name:

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

UTM Reliability: Clear/Cloudy:

Municipality: THURLOW TOWNSHIP

Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2917673.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 1997/11/14 Year Completed: 1997 30.7848 Depth (m):

44.2510991264774 Latitude: Longitude: -77.3881515121583 Path: 291\2917673.pdf

Bore Hole Information

Bore Hole ID: 10172786 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18

309339.90 Code OB: East83: Code OB Desc: North83: 4902536.00 Open Hole: Org CS:

Cluster Kind: UTMRC: 14-Nov-1997 00:00:00 UTMRC Desc:

unknown UTM Date Completed: Remarks: Location Method:

Order No: 23021600530

Loc Method Desc: Lot centroid

Elevrc Desc: Location Source Date:

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

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931509376

Layer: 3 Color: **GREY** General Color: Mat1: 14 Most Common Material: **HARDPAN** Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 79 Mat3 Desc: **PACKED** Formation Top Depth: 24.0 40.0 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931509375

Layer: 2

Color: 6
General Color: BROWN

Mat1: 14
Most Common Material: HARDPAN
Mat2: 13

Mat2 Desc: BOULDERS

Mat3:73Mat3 Desc:HARDFormation Top Depth:2.0Formation End Depth:24.0Formation End Depth UOM:ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509377

 Layer:
 4

 Color:
 2

 General Color:
 GREY

Mat1: 15

Most Common Material:LIMESTONEMat2:73Mat2 Desc:HARD

Mat3: Mat3 Desc:

Formation Top Depth: 40.0 Formation End Depth: 101.0

Formation End Depth: 101. Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509374

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 79

 Mat2 Desc:
 PACKED

Mat3:

Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 2.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933145501

 Layer:
 1

 Plug From:
 30.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:962917673Method Construction Code:1Method Construction:Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10721356
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

 Casing ID:
 930293779

 Layer:
 1

 Material:
 1

Open Hole or Material: STEEL

Depth From:

Depth To:42.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

 Casing ID:
 930293780

 Layer:
 2

Material: 4

Open Hole or Material: OPEN HOLE

Depth From:
Depth To: 101.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER

Pump Test ID: 992917673

Pump Set At:

Static Level:25.0Final Level After Pumping:101.0Recommended Pump Depth:98.0Pumping Rate:1.0

Flowing Rate:

Recommended Pump Rate: 1.0 Levels UOM: ft

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

Draw Down & Recovery

 Pump Test Detail ID:
 934972364

 Test Type:
 Recovery

 Test Duration:
 60

 Test Level:
 51.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934189833

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 88.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934463041

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 75.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934720545

 Test Type:
 Recovery

 Test Duration:
 45

 Test Level:
 62.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933632944

 Layer:
 2

 Kind Code:
 3

Kind: SULPHUR
Water Found Depth: 95.0
Water Found Depth UOM: ft

Water Details

Water ID: 933632943

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 58.0

 Water Found Depth UOM:
 ft

Links

Number of Direction/ Elev/Diff Site DΒ Map Key

1507

Order No: 23021600530

10172786 Bore Hole ID: Tag No: Depth M: 30.7848 Contractor:

Distance (m)

291\2917673.pdf Year Completed: 1997 Path: 1997/11/14 Well Completed Dt: Latitude: 44.2510991264774 Audit No: 180416 Longitude: -77.3881515121583

(m)

79 11 of 17 NE/133.9 109.2 / -10.37 lot 11 con 5 **WWIS**

2917674 Well ID: Flowing (Y/N):

Construction Date: Flow Rate: Use 1st: Not Used Data Entry Status:

Use 2nd: Data Src:

Final Well Status: Abandoned-Supply Date Received: 13-Jan-1998 00:00:00

TRUE Water Type: Selected Flag: Casing Material: Abandonment Rec:

Audit No: 180434 Contractor: 1507 Form Version: Tag: 1

Constructn Method: Owner: Elevation (m): County: **HASTINGS** Elevatn Reliabilty: 011 I of

Depth to Bedrock: Concession: 05 Well Depth: Concession Name: CON

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

Clear/Cloudy: UTM Reliability:

THURLOW TOWNSHIP Municipality: Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2917674.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 1997/11/27 1997 Year Completed: Depth (m): 21.336

Records

Latitude: 44.2510991264774 Longitude: -77.3881515121583 Path: 291\2917674.pdf

Bore Hole Information

Bore Hole ID: 10172787 Elevation: DP2BR:

Elevrc: Spatial Status: Zone:

Code OB: East83: 309339.90 Code OB Desc: 4902536.00 North83: Org CS: Open Hole:

Cluster Kind: UTMRC:

Date Completed: 27-Nov-1997 00:00:00 **UTMRC Desc:** unknown UTM Remarks: Location Method:

Loc Method Desc: Lot centroid

Elevrc Desc:

Location Source Date: Improvement Location Source:

Improvement Location Method: Source Revision Comment: Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931509380

Layer: 3 Color: 2 General Color: **GREY** Mat1: 15

Most Common Material: LIMESTONE Mat2: 73

Mat2 Desc: HARD

Mat3:

Mat3 Desc:

Formation Top Depth: 9.0 70.0 Formation End Depth: Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509379 Layer: Color: 6 General Color: **BROWN** Mat1: 14 HARDPAN Most Common Material: Mat2: **GRAVEL** Mat2 Desc: Mat3: 13 **BOULDERS** Mat3 Desc:

Formation Top Depth: 2.0 Formation End Depth: 9.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931509378 Formation ID:

Layer: 1 Color:

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

Mat3:

Mat3 Desc:

0.0 Formation Top Depth: Formation End Depth: 2.0 Formation End Depth UOM:

Annular Space/Abandonment

Sealing Record

Plug ID: 933145502 Layer: 20.0 Plug From: Plug To: 0.0 Plug Depth UOM: ft

Method of Construction & Well

Method Construction ID: 962917674

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

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe ID: 10721357

Casing No: Comment: Alt Name:

Pipe Information

Construction Record - Casing

930293782 Casing ID:

Layer: 2 Material:

OPEN HOLE Open Hole or Material:

Depth From: Depth To: 70.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

930293781 Casing ID:

Layer: 1 Material: STEEL Open Hole or Material:

Depth From:

22.0 Depth To: 6.0 Casing Diameter: Casing Diameter UOM: inch

Casing Depth UOM:

Links

Bore Hole ID: 10172787

ft

Depth M: 21.336 Contractor: 1507 Year Completed: Path: 1997

291\2917674.pdf 1997/11/27 Well Completed Dt: Latitude: 44.2510991264774 180434 Longitude: -77.3881515121583 Audit No:

79 12 of 17 NE/133.9 109.2 / -10.37 lot 11 con 5 **WWIS** ON

Tag No:

Flowing (Y/N):

Order No: 23021600530

Well ID: 2917675

Construction Date: Flow Rate: Domestic Data Entry Status: Use 1st:

Use 2nd: Data Src:

13-Jan-1998 00:00:00 Final Well Status: Water Supply Date Received: Water Type: Selected Flag: TRUE

Casing Material: Abandonment Rec: Audit No: 180415 Contractor: 1507

Form Version: Tag: 1 Constructn Method: Owner:

Elevation (m): County: **HASTINGS** Elevatn Reliabilty: Lot: 011 05 Depth to Bedrock: Concession: Well Depth: Concession Name: CON

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83:

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

Static Water Level: Zone:

Clear/Cloudy: UTM Reliability:

THURLOW TOWNSHIP Municipality: Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2917675.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 1997/11/12 1997 Year Completed: Depth (m): 25.908

Latitude: 44.2510991264774 Longitude: -77.3881515121583 Path: 291\2917675.pdf

Bore Hole Information

Bore Hole ID: 10172788 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 309339.90 Code OB: East83: Code OB Desc: North83: 4902536.00

Open Hole: Org CS: Cluster Kind:

UTMRC: Date Completed: 12-Nov-1997 00:00:00 **UTMRC Desc:** unknown UTM

Remarks: Location Method: lot

Loc Method Desc: Lot centroid

Elevrc Desc:

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

Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

931509382 Formation ID:

Layer: 2 Color: 6 **BROWN** General Color: Mat1: 14 **HARDPAN** Most Common Material:

Mat2: 13

Mat2 Desc: **BOULDERS** Mat3: 79 Mat3 Desc: **PACKED** Formation Top Depth: 4.0 25.0 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931509383

Layer: 3 Color: 2 **GREY** General Color: 14 Mat1. Most Common Material: **HARDPAN**

Mat2: 11

GRAVEL Mat2 Desc: Mat3: 79 PACKED Mat3 Desc: Formation Top Depth: 25.0 Formation End Depth: 42.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931509381 Formation ID:

Layer: Color: 6 General Color: **BROWN** Mat1: 05 Most Common Material: CLAY Mat2: 79 Mat2 Desc: **PACKED**

Mat3: Mat3 Desc:

0.0 Formation Top Depth: Formation End Depth: 4.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931509384 Formation ID:

Layer: Color: **GREY** General Color: Mat1: 14 **HARDPAN** Most Common Material:

Mat2: 73 Mat2 Desc: **HARD** Mat3: 79 **PACKED** Mat3 Desc: Formation Top Depth: 42.0 Formation End Depth: 48.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

931509385 Formation ID:

Layer: 5 Color: 2 General Color: **GREY** Mat1: 15

LIMESTONE Most Common Material:

Mat2: Mat2 Desc: HARD Mat3:

Mat3 Desc:

48.0 Formation Top Depth: Formation End Depth:

85.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

933145503 Plug ID:

 Layer:
 1

 Plug From:
 0.0

 Plug To:
 23.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962917675

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10721358

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930293783

Layer: 1
Material: 1

Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM:

STEEL

50.0

6.0

inch
ft

Construction Record - Casing

Casing ID: 930293784

Layer: 2 Material: 4

Open Hole or Material: 4
OPEN HOLE

Depth From:

Depth To: 85.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 992917675

Pump Set At:

Static Level:15.0Final Level After Pumping:84.0Recommended Pump Depth:82.0Pumping Rate:4.0Flowing Rate:

Recommended Pump Rate: 4.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY

Water State After Test: CI
Pumping Test Method: 2
Pumping Duration HR: 2
Pumping Duration MIN: 0

No Flowing:

Draw Down & Recovery

Pump Test Detail ID: 934463042 Recovery Test Type: Test Duration: 30 20.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934972365 Test Type: Recovery Test Duration: Test Level: 15.0 Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 934720546 Recovery Test Type: Test Duration: 45 15.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934189834 Pump Test Detail ID: Recovery Test Type: Test Duration: 15 Test Level: 34.0 Test Level UOM: ft

Water Details

933632945 Water ID: Layer:

Kind Code: **FRESH** Kind: Water Found Depth: 52.0 Water Found Depth UOM: ft

Links

Bore Hole ID: 10172788 Tag No: Contractor: Depth M: 1507 25.908

Year Completed: 1997 Path: 291\2917675.pdf 1997/11/12 Latitude: 44.2510991264774 Well Completed Dt: Audit No: 180415 Longitude: -77.3881515121583

109.2 / -10.37 **79** 13 of 17 NE/133.9 lot 11 con 5 **WWIS** ON

Order No: 23021600530

Well ID: 2917676 Flowing (Y/N): **Construction Date:** Flow Rate:

Use 1st: Domestic Data Entry Status:

Use 2nd: Data Src: 13-Jan-1998 00:00:00 Water Supply

Final Well Status: Date Received: TRUE

Water Type: Selected Flag:

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

Abandonment Rec:

Concession Name:

Easting NAD83:

Northing NAD83:

UTM Reliability:

1507

011

CON

05

HASTINGS

1

Contractor:

Owner:

County:

Lot:

Zone:

Form Version:

Concession:

Casing Material:

Audit No: 180413

Tag: Constructn Method:

Elevation (m):

Elevatn Reliabilty: Depth to Bedrock: Well Depth:

Pump Rate: Static Water Level: Clear/Cloudy:

Site Info:

Overburden/Bedrock:

THURLOW TOWNSHIP Municipality:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2917676.pdf

Additional Detail(s) (Map)

Well Completed Date: 1997/11/11 Year Completed: 1997 Depth (m): 25.908

44.2510991264774 Latitude: -77.3881515121583 Longitude: Path: 291\2917676.pdf

Bore Hole Information

Bore Hole ID: 10172789

DP2BR: Spatial Status: Code OB: Code OB Desc:

Open Hole: Cluster Kind:

11-Nov-1997 00:00:00 Date Completed:

Remarks:

Loc Method Desc: Lot centroid

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931509386

Layer: Color: 6 **BROWN** General Color: 05 Mat1: Most Common Material: CLAY Mat2: 79 Mat2 Desc: **PACKED**

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 3.0 Formation End Depth UOM:

Elevation:

Elevrc:

Zone: 18 East83: 309339.90 North83: 4902536.00

Org CS:

UTMRC:

UTMRC Desc: unknown UTM

Order No: 23021600530

Location Method: lot

Overburden and Bedrock

Materials Interval

Formation ID: 931509387

Layer: 6 Color: General Color: **BROWN** Mat1: 05 Most Common Material: CLAY Mat2: 12 Mat2 Desc: **STONES** Mat3: 79 Mat3 Desc: **PACKED** Formation Top Depth: 3.0

Overburden and Bedrock

Formation End Depth UOM:

Formation End Depth:

Materials Interval

Formation ID: 931509388

18.0

ft

Layer: 3 Color: General Color: **BROWN** Mat1: 05 CLAY Most Common Material: Mat2: 28 SAND Mat2 Desc: Mat3: 11 Mat3 Desc: **GRAVEL** Formation Top Depth: 18.0 Formation End Depth: 42.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509389

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: 73 Mat2 Desc: HARD

Mat3:

Mat3 Desc:

Formation Top Depth: 42.0 Formation End Depth: 85.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933145504

 Layer:
 1

 Plug From:
 25.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962917676

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10721359

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

 Casing ID:
 930293786

 Layer:
 2

Layer: Material:

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:85.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930293785

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

Depth From:

Depth To: 45.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER

Pump Test ID: 992917676

Pump Set At:

Static Level: 24.0 85.0 Final Level After Pumping: Recommended Pump Depth: 82.0 Pumping Rate: 6.0 Flowing Rate: Recommended Pump Rate: 6.0 Levels UOM: **GPM** Rate UOM: Water State After Test Code: 2 CLOUDY Water State After Test:

Pumping Test Method:2Pumping Duration HR:3Pumping Duration MIN:0Flowing:No

Draw Down & Recovery

Pump Test Detail ID:934720547Test Type:RecoveryTest Duration:45

Test Level: 27.0
Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 934972366

 Test Type:
 Recovery

 Test Duration:
 60

 Test Level:
 25.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934189835

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 34.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934463043

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 30.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933632947

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 63.0

 Water Found Depth UOM:
 ft

Water Details

 Water ID:
 933632946

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 42.0

 Water Found Depth UOM:
 ft

Links

 Bore Hole ID:
 10172789
 Tag No:

 Depth M:
 25.908
 Contractor:

 Year Completed:
 1997
 Path:

 Year Completed:
 1997
 Path:
 291\2917676.pdf

 Well Completed Dt:
 1997/11/11
 Latitude:
 44.2510991264774

 Audit No:
 180413
 Longitude:
 -77.3881515121583

79 14 of 17 NE/133.9 109.2 / -10.37 lot 11 con 5 ON WWIS

1507

Order No: 23021600530

 Well ID:
 2917677
 Flowing (Y/N):

 Construction Date:
 Flow Rate:

 Use 1st:
 Not Used
 Data Entry Status:

Use 2nd:

Data Src: 1

Selected Flag:

Abandonment Rec:

TRUE

Order No: 23021600530

Final Well Status: Abandoned-Quality Date Received: 13-Jan-1998 00:00:00

Water Type:

Casing Material:

Audit No: 180412 Contractor: 1507

Tag: Form Version: 1
Constructn Method: Owner:

Elevation (m):County:HASTINGSElevatn Reliabilty:Lot:011Depth to Bedrock:Concession:05Well Depth:Concession Name:CON

Overburden/Bedrock:Easting NAD83:Pump Rate:Northing NAD83:

Static Water Level: Zone:

Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2917677.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1997/11/07

 Year Completed:
 1997

 Depth (m):
 30.48

 Latitude:
 44.2510991264774

 Longitude:
 -77.3881515121583

 Path:
 291\2917677.pdf

Bore Hole Information

 Bore Hole ID:
 10172790
 Elevation:

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 309339.90

 Code OB:
 East83:
 309339.90

 Code OB Desc:
 North83:
 4902536.00

 Open Hole:
 Org CS:

 Cluster Kind:
 UTMRC:
 9

 Cluster Kind:
 UTMRC:

 Date Completed:
 07-Nov-1997 00:00:00
 UTMRC Desc:

Date Completed:07-Nov-1997 00:00:00UTMRC Desc:unknown UTMRemarks:Location Method:lot

Loc Method Desc: Lot centroid
Elevrc Desc:

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

Source Revision Comment: Supplier Comment:

Materials Interval

Overburden and Bedrock

 Formation ID:
 931509392

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 14

Most Common Material: HARDPAN
Mat2: 11
Most Page: GRAVEL

 Mat2 Desc:
 GRAVEL

 Mat3:
 79

 Mat3 Desc:
 PACKED

 Formation Top Depth:
 30.0

 Formation End Depth:
 80.0

 Formation End Depth UOM:
 ft

Overburden and Bedrock Materials Interval

Formation ID: 931509391

Layer: 2 **Color:** 6

General Color: BROWN
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13

Mat2 Desc:BOULDERSMat3:79Mat3 Desc:PACKEDFormation Top Depth:2.0Formation End Depth:30.0Formation End Depth UOM:ft

Overburden and Bedrock Materials Interval

Formation ID: 931509390

Layer: 1 **Color:** 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 79

 Mat2 Desc:
 PACKED

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 2.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509393

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material:LIMESTONEMat2:73

Mat2 Desc: 73

Mat3:

Mat3 Desc:

Formation Top Depth: 80.0 Formation End Depth: 100.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933145505

 Layer:
 1

 Plug From:
 55.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962917677

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10721360

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930293788

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 100.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930293787

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

Depth From:

Depth To:81.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 992917677

Pump Set At:

Static Level:60.0Final Level After Pumping:100.0Recommended Pump Depth:0.0Pumping Rate:1.0

Flowing Rate:
Recommended Pump Rate:
0.0
Levels UOM:
ft
Rate UOM:
GPM

Water State After Test Code: Water State After Test:

Pumping Test Method:2Pumping Duration HR:0Pumping Duration MIN:30Flowing:No

Water Details

Water ID: 933632948

Layer: 1

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

Kind Code: 3

SULPHUR Kind: Water Found Depth: 95.0 Water Found Depth UOM: ft

<u>Links</u>

Bore Hole ID: 10172790 Tag No:

Depth M: 30.48 Contractor: 1507

Year Completed: 1997 Path: 291\2917677.pdf 1997/11/07 Latitude: Well Completed Dt: 44.2510991264774 180412 Audit No: Longitude: -77.3881515121583

79 15 of 17 NE/133.9 109.2 / -10.37 lot 11 con 5 **WWIS** ON

Flowing (Y/N):

Order No: 23021600530

Well ID: 2917678

Construction Date: Flow Rate: **Domestic** Use 1st: Data Entry Status:

Use 2nd: Data Src:

Final Well Status: Water Supply 13-Jan-1998 00:00:00 Date Received:

Water Type: Selected Flag: TRUE

Casing Material: Abandonment Rec:

180411 1507 Audit No: Contractor: Tag: Form Version:

Constructn Method: Owner:

Elevation (m): County: **HASTINGS** Elevatn Reliabilty: 011 Lot: Depth to Bedrock: Concession: 05 Well Depth: Concession Name: CON

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

Clear/Cloudy: UTM Reliability:

THURLOW TOWNSHIP Municipality:

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2917678.pdf

Additional Detail(s) (Map)

Well Completed Date: 1997/11/05 Year Completed: 1997 Depth (m): 12.192

Latitude: 44.2510991264774 Longitude: -77.3881515121583 Path: 291\2917678.pdf

Bore Hole Information

Bore Hole ID: 10172791 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18

309339.90 Code OB: East83: Code OB Desc: North83: 4902536.00

Open Hole: Org CS: Cluster Kind: **UTMRC**:

Date Completed: 05-Nov-1997 00:00:00 **UTMRC Desc:** unknown UTM

Location Method: lot

Remarks:

Loc Method Desc: Lot centroid

Elevrc Desc: Location Source Date:

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

Overburden and Bedrock **Materials Interval**

Formation ID: 931509399

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

Most Common Material: LIMESTONE

Mat2: HARD Mat2 Desc:

Mat3:

Mat3 Desc:

Formation Top Depth: 37.0 Formation End Depth: 40.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509394

Layer:

Color: 6 General Color:

BROWN Mat1: 05 CLAY Most Common Material: Mat2: 79 **PACKED** Mat2 Desc:

Mat3:

Mat3 Desc:

0.0 Formation Top Depth: Formation End Depth: 2.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931509396

3 Layer: Color: 2 GREY General Color: Mat1: 05 Most Common Material: CLAY Mat2: 14

HARDPAN Mat2 Desc: Mat3:

BOULDERS Mat3 Desc: Formation Top Depth: 16.0 Formation End Depth: 19.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931509397

Layer: 2 Color:

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

 Mat2:
 77

 Mat2 Desc:
 LOOSE

Mat3: Mat3 Desc:

Formation Top Depth: 19.0 Formation End Depth: 36.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509395

Layer: Color: General Color: **BROWN** Mat1: 05 Most Common Material: CLAY 14 Mat2: Mat2 Desc: **HARDPAN** Mat3: 12 **STONES** Mat3 Desc:

Formation Top Depth: 2.0
Formation End Depth: 16.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931509398

 Layer:
 5

Color: 2
General Color: GREY
Mat1: 17
Most Common Material: SHALE
Mat2: 15

Mat2 Desc: LIMESTONE Mat3: 71

Mat3: 71
Mat3 Desc: FRACTURED

Formation Top Depth: 36.0 Formation End Depth: 37.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933145506

 Layer:
 1

 Plug From:
 21.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962917678

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10721361

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930293789

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

Depth From:

Depth To:39.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930293790

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:40.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER **Pump Test ID:** 992917678

Pump Set At:

Static Level:16.0Final Level After Pumping:25.0Recommended Pump Depth:37.0Pumping Rate:25.0

Flowing Rate:

Flowing:

Recommended Pump Rate: 25.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2

Water State After Test:CLOUDYPumping Test Method:2Pumping Duration HR:2Pumping Duration MIN:0

Draw Down & Recovery

Pump Test Detail ID:934463044Test Type:Draw Down

 Test Duration:
 30

 Test Level:
 25.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 934189836

No

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 25.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934720548

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 25.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934972367

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 25.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933632949

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

Kind: FRES
Water Found Depth: 37.0
Water Found Depth UOM: ft

Links

 Bore Hole ID:
 10172791
 Tag No:

 Depth M:
 12.192
 Contractor:
 1507

 Year Completed:
 1997
 Path:
 291\2917678.pdf

 Well Completed Dt:
 1997/11/05
 Latitude:
 44.2510991264774

 Audit No:
 180411
 Longitude:
 -77.3881515121583

79 16 of 17 NE/133.9 109.2 / -10.37 Iot 11 con 5 WWIS

Zone:

Order No: 23021600530

Well ID: 2917679 Flowing (Y/N): Construction Date: Flow Rate:

Use 1st: Domestic Data Entry Status:

Use 2nd:Data Src:1Final Well Status:Water SupplyDate Received:13-Jan-1998 00:00:00

Water Type: Selected Flag: TRUE Casing Material: Abandonment Rec:

 Audit No:
 180410
 Contractor:
 1507

 Tag:
 Form Version:
 1

Tag: Form Version: 1

Constructn Method: Owner:

Elevation (m): County: HASTINGS

Elevatn Reliability: Lot: 011

Depth to Bedrock: Concession: 05

Well Bonth: Concession Name Concession

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

Clear/Cloudy: UTM Reliability: Municipality: THURLOW TOWNSHIP

Site Info:

Static Water Level:

PDF URL (Map):

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2917679.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1997/11/04

 Year Completed:
 1997

 Depth (m):
 9.144

 Latitude:
 44.2510991264774

 Longitude:
 -77.3881515121583

 Path:
 291\2917679.pdf

Bore Hole Information

Bore Hole ID: 10172792

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

Date Completed: 04-Nov-1997 00:00:00

Remarks:

Loc Method Desc: Lot centroid

Elevrc Desc:

Cluster Kind:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

 Formation ID:
 931509403

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: 73 Mat2 Desc: HARD

Mat3: Mat3 Desc:

Formation Top Depth: 22.0 Formation End Depth: 30.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509402

3 Layer: Color: **GREY** General Color: Mat1: 11 Most Common Material: **GRAVEL** Mat2: 13 Mat2 Desc: **BOULDERS** Mat3: Mat3 Desc: LOOSE Formation Top Depth: 8.0

Elevation: Elevrc:

Zone: 18

East83: 309339.90 **North83:** 4902536.00

Org CS:

UTMRC: 9

UTMRC Desc: unknown UTM

Order No: 23021600530

Location Method: lot

22.0

Formation End Depth:

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931509401

Layer: 2 **Color:** 6

General Color:BROWNMat1:14Most Common Material:HARDPAN

 Mat2:
 13

 Mat2 Desc:
 BOULDERS

 Mat3:
 79

 Mat3 Desc:
 PACKED

 Formation Top Depth:
 5.0

Formation Top Depth: 5.0 Formation End Depth: 8.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509400

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 79

 Mat2 Desc:
 PACKED

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 5.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 933145507

 Layer:
 1

 Plug From:
 20.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962917679

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10721362

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930293791

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

Depth From:

Depth To:24.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930293792

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:30.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc:BAILERPump Test ID:992917679

Pump Set At:
Static Level: 0.0
Final Level After Pumping: 25.0
Recommended Pump Depth: 27.0
Pumping Rate: 15.0

Flowing Rate:

Recommended Pump Rate: 15.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2

Water State After Test:CLOUDYPumping Test Method:2Pumping Duration HR:2Pumping Duration MIN:0

Flowing:

Draw Down & Recovery

 Pump Test Detail ID:
 934972368

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 25.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934189837

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 25.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 934463045

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 25.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934720549

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 25.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933632950

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 22.0

 Water Found Depth UOM:
 ft

Links

 Bore Hole ID:
 10172792
 Tag No:

 Depth M:
 9.144
 Contractor:
 1507

 Year Completed:
 1997
 Path:
 291\2917679.pdf

 Well Completed Dt:
 1997/11/04
 Latitude:
 44.2510991264774

 Audit No:
 180410
 Longitude:
 -77.3881515121583

79 17 of 17 NE/133.9 109.2 / -10.37 lot 11 con 5 ON WWIS

 Well ID:
 2917680
 Flowing (Y/N):

Construction Date: Flow Rate:
Use 1st: Domestic Data Entry Status:

 Use 2nd:
 Data Src:
 1

 Final Well Status:
 Water Supply
 Date Received:
 05-Jan-1998 00:00:00

Water Type: Selected Flag: TRUE

Casing Material:Abandonment Rec:Audit No:180404Contractor:1507

Tag: Form Version: 1
Constructn Method: Owner:

 Elevation (m):
 County:
 HASTINGS

 Elevatn Reliability:
 Lot:
 011

 Depth to Bedrock:
 Concession:
 05

 Well Depth:
 Concession Name:
 CON

Depth to Bedrock:Concession:05Well Depth:Concession Name:CONOverburden/Bedrock:Easting NAD83:Pump Rate:Northing NAD83:

Static Water Level: Zone:
Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2917680.pdf

Order No: 23021600530

Additional Detail(s) (Map)

 Well Completed Date:
 1997/10/29

 Year Completed:
 1997

 Depth (m):
 11.2776

Latitude: 44.2510991264774

Elevation:

18

lot

309339.90

4902536.00

unknown UTM

Order No: 23021600530

Elevrc:

Zone:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

Longitude: -77.3881515121583 **Path:** 291\2917680.pdf

Bore Hole Information

Bore Hole ID: 10172793

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

Cluster Kind:

Date Completed: 29-Oct-1997 00:00:00

Remarks:

Loc Method Desc: Lot centroid

Elevrc Desc: Location Source Date:

Flores Door

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

Overburden and Bedrock

Materials Interval

Formation ID: 931509407 Layer: 2 Color: General Color: **GREY** Mat1: 05 Most Common Material: CLAY Mat2: 14 **HARDPAN** Mat2 Desc: Mat3: 79 Mat3 Desc: **PACKED** Formation Top Depth: 20.0 Formation End Depth: 36.0

Overburden and Bedrock

Formation End Depth UOM:

Materials Interval

Formation ID: 931509406

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 79

 Mat2 Desc:
 PACKED

Mat3: Mat3 Desc:

Formation Top Depth: 17.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931509405

 Layer:
 2

Color: 6

BROWN General Color: Mat1: 05 CLAY Most Common Material: 14 Mat2: Mat2 Desc: **HARDPAN** Mat3: 11 Mat3 Desc: **GRAVEL** Formation Top Depth: 6.0 Formation End Depth: 17.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931509408

 Layer:
 5

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

 Mat2:
 77

 Mat2 Desc:
 LOOSE

Mat3: Mat3 Desc:

Formation Top Depth: 36.0 Formation End Depth: 37.0 Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931509404

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: 79
Mat2 Desc: PACKED

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 6.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931509409

 Layer:
 6

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: 73 Mat2 Desc: HARD

Mat3: Mat3 Desc:

Formation Top Depth: 37.0 Formation End Depth: 37.0

Formation End Depth: 3:

Annular Space/Abandonment

Sealing Record

Plug ID: 933145508

 Layer:
 1

 Plug From:
 23.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962917680

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10721363

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930293793

Layer: 1
Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:37.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER

Pump Test ID: 992917680

Pump Set At: Static Level:

Static Level:6.0Final Level After Pumping:25.0Recommended Pump Depth:34.0Pumping Rate:30.0

Recommended Pump Rate: 30.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2

Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 2
Pumping Duration MIN: 30
Flowing: No

Draw Down & Recovery

 Pump Test Detail ID:
 934463046

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 25.0

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 934720550
Test Type: Draw Down

ft

 Test Duration:
 45

 Test Level:
 25.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:934972369Test Type:Draw Down

Test Duration: 60
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 934189838

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 25.0

 Test Level UOM:
 ft

Water Details

Water ID: 933632951

Layer: 1 Kind Code: 5

Kind: Not stated
Water Found Depth: 37.0
Water Found Depth UOM: ft

Links

 Bore Hole ID:
 10172793
 Tag No:

 Depth M:
 11.2776
 Contractor:

 Depth M:
 11.2776
 Contractor:
 1507

 Year Completed:
 1997
 Path:
 291\2917680.pdf

 Well Completed Dt:
 1997/10/29
 Latitude:
 44.2510991264774

 Audit No:
 180404
 Longitude:
 -77.3881515121583

80 1 of 1 ESE/144.8 115.5 / -4.00 WWIS

Order No: 23021600530

Well ID: 2919825 **Flowing (Y/N)**:

Construction Date: Flow Rate:
Use 1st: Data Entry Statu

Use 1st:
Use 2nd:
Data Entry Status:
Data Src:

Final Well Status: Abandoned-Other Date Received: 30-May-2003 00:00:00

Water Type: Selected Flag: TRUE

Casing Material:Abandonment Rec:Audit No:236103Contractor:6524

Tag: Form Version: 1
Constructn Method: Owner:

Elevation (m): County: HASTINGS

Elevatn Reliabilty: Lot:
Depth to Bedrock: Concession:

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

Northing NAD83: Pump Rate:

Static Water Level: Zone:

Clear/Cloudy: UTM Reliability:

THURLOW TOWNSHIP Municipality:

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2919825.pdf

Additional Detail(s) (Map)

2003/05/23 Well Completed Date: 2003 Year Completed:

Depth (m):

Latitude: 44.2407366796952 Longitude: -77.3838485829726 291\2919825.pdf Path:

Bore Hole Information

Bore Hole ID: 10538977 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18

Code OB: East83: 309650.00 4901375.00 Code OB Desc: North83: Open Hole: Org CS: NA

UTMRC: Cluster Kind: 6 Date Completed: 23-May-2003 00:00:00 **UTMRC Desc:** margin of error: 300 m - 1 km

Remarks: Location Method:

Loc Method Desc: from gis

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: 962919825

Method Construction Code:

Not Known **Method Construction:**

Other Method Construction:

Pipe Information

Pipe ID: 11087547

Casing No:

Comment: Alt Name:

Links

Bore Hole ID: 10538977

Depth M: Contractor: 6524

Year Completed: 2003 Path: 291\2919825.pdf 2003/05/23 Latitude: 44.2407366796952 Well Completed Dt: 236103 -77.3838485829726 Audit No: Longitude:

81 1 of 1 ESE/152.1 115.1 / -4.39 **WWIS** ON

Tag No:

Number of Direction/ Elev/Diff Site DΒ Map Key

Records Distance (m) (m)

2919824 Well ID: Flowing (Y/N):

Flow Rate: Construction Date: Use 1st: Data Entry Status: Use 2nd: Data Src:

Final Well Status: Abandoned-Other Date Received: 21-May-2003 00:00:00 TRUE Water Type: Selected Flag:

Casing Material: Abandonment Rec:

236108 6524 Audit No: Contractor: Form Version: Tag: 1 Constructn Method: Owner:

HASTINGS Elevation (m): County:

Elevatn Reliabilty: Lot: Depth to Bedrock: Concession:

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

Clear/Cloudy: UTM Reliability:

THURLOW TOWNSHIP Municipality: Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2919824.pdf

Additional Detail(s) (Map)

Well Completed Date: 2003/04/23 Year Completed: 2003

Depth (m): Latitude: 44.2408506322864 -77.383565150347 Longitude: 291\2919824.pdf Path:

Bore Hole Information

10538976 Bore Hole ID: Elevation:

DP2BR: Elevrc: Spatial Status: Zone: Code OB: East83: 309673.00 4901387.00 Code OB Desc: North83: Open Hole: Org CS: NA

Cluster Kind: **UTMRC:** UTMRC Desc: margin of error: 300 m - 1 km

23-Apr-2003 00:00:00 Date Completed:

Remarks: Location Method:

Order No: 23021600530

Loc Method Desc: from gis

Elevrc Desc:

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

Supplier Comment:

Method of Construction & Well

Method Construction ID: 962919824 **Method Construction Code:**

Method Construction: Not Known

Other Method Construction:

Pipe Information

11087546 Pipe ID:

<u>Use</u>

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

Casing No:

Comment: Alt Name:

Links

Bore Hole ID: 10538976

6524 Depth M: Contractor:

Year Completed: 2003 Path: 291\2919824.pdf Well Completed Dt: 2003/04/23 Latitude: 44.2408506322864 Audit No: 236108 -77.383565150347 Longitude:

1 of 1 ESE/159.6 114.8 / -4.70 644 HARMONY ROAD lot 9 con 4 82

CORBYVILLE ON

12-Sep-2019 00:00:00

TRUE

WWIS

Order No: 23021600530

Tag No:

Well ID: 7341597 Flowing (Y/N):

Construction Date: Flow Rate: Use 1st: Data Entry Status:

Use 2nd: Data Src: Final Well Status: Water Supply Date Received:

Water Type: Selected Flag:

Casing Material: Abandonment Rec: Z312688

7329 Audit No: Contractor: A253409 Tag: Form Version: 7

Constructn Method: Owner: Elevation (m): County: **HASTINGS** Elevatn Reliabilty: Lot: 009 Concession: 04

Depth to Bedrock: CON Well Depth: Concession Name: Overburden/Bedrock: Easting NAD83:

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

UTM Reliability: Clear/Cloudy:

THURLOW TOWNSHIP Municipality:

Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/734\7341597.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 2019/09/04 Year Completed: 2019

Depth (m):

44.2413645576825 Latitude: Longitude: -77.3830974976017 734\7341597.pdf Path:

Bore Hole Information

Bore Hole ID: 1007638079 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18

Code OB: East83: 309712.00 Code OB Desc: 4901443.00 North83: Open Hole: Org CS: UTM83 Cluster Kind: UTMRC:

04-Sep-2019 00:00:00 Date Completed: **UTMRC Desc:** margin of error: 30 m - 100 m

Remarks: Location Method:

Loc Method Desc: on Water Well Record

Elevrc Desc:

Location Source Date: Improvement Location Source:

Improvement Location Method: Source Revision Comment:

Supplier Comment:

Annular Space/Abandonment

Sealing Record

Plug ID: 1008052023

 Layer:
 1

 Plug From:
 0.0

 Plug To:
 58.0

 Plug Depth UOM:
 m

Pipe Information

Pipe ID: 1008050621

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1008053002

Layer: 1
Material: 1

 Open Hole or Material:
 STEEL

 Depth From:
 58.0

 Depth To:
 -16.0

 Casing Diameter:
 6.0

 Casing Diameter UOM:
 cm

 Casing Depth UOM:
 m

Results of Well Yield Testing

Pumping Test Method Desc:

Pump Test ID: 1008053721

Pump Set At: Static Level:

Final Level After Pumping: 7.489999771118164

Recommended Pump Depth:

Pumping Rate: 5.0

Flowing Rate:

Recommended Pump Rate:

Levels UOM: m

Rate UOM: LPM

Water State After Test Code:

Water State After Test:
Pumping Test Method: 0
Pumping Duration HR: 1

Pumping Duration MIN:

Flowing:

Draw Down & Recovery

Pump Test Detail ID:1008054882Test Type:Draw Down

Test Duration:

Test Level: 7.079999923706055

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1008054897Test Type:Recovery

Test Duration: 3

Test Level: 6.599999904632568

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1008054898Test Type:Recovery

Test Duration:

Test Level: 6.599999904632568

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1008054904Test Type:RecoveryTest Duration:30

Test Level: 6.599999904632568

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1008054883Test Type:Draw Down

Test Duration:

Test Level: 7.079999923706055

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1008054900
Test Type: Recovery

Test Duration: 10

Test Level: 6.599999904632568

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1008054885Test Type:Draw Down

Test Duration:

Test Level: 7.489999771118164

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1008054902Test Type:Recovery

Test Duration: 20

Test Level: 6.599999904632568

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1008054906Test Type:RecoveryTest Duration:50

Test Level: 6.599999904632568

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1008054899
Test Type: Recovery

Test Duration: 5

Test Level: 6.599999904632568

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1008054888Test Type:Draw Down

Test Duration: 15

Test Level: 7.489999771118164

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1008054890Test Type:Draw Down

Test Duration: 25

Test Level: 7.489999771118164

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1008054905Test Type:Recovery

Test Duration: 40

Test Level: 6.599999904632568

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1008054901Test Type:Recovery

Test Duration: 15

Test Level: 6.599999904632568

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1008054887Test Type:Draw Down

Test Duration: 10

Test Level: 7.489999771118164

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1008054893
Test Type: Draw Down

Test Duration: 50

Test Level: 7.489999771118164

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1008054894
Test Type: Draw Down

Test Duration: 60

Test Level: 7.489999771118164

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1008054896Test Type:Recovery

Test Duration: 2

Test Level: 6.599999904632568

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1008054907Test Type:RecoveryTest Duration:60

Test Level: 6.599999904632568

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1008054884Test Type:Draw Down

Test Duration:

Test Level: 7.210000038146973

3

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1008054886Test Type:Draw Down

Test Duration: 5

Test Level: 7.489999771118164

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1008054889
Test Type: Draw Down

Test Duration: 20

Test Level: 7.489999771118164

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1008054891Test Type:Draw Down

Test Duration: 30

Test Level: 7.489999771118164

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1008054892Test Type:Draw Down

Test Duration: 40

Test Level: 7.489999771118164

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1008054895Test Type:Recovery

Test Duration: 1

Test Level: 6.599999904632568

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:1008054903Test Type:Recovery

Test Duration: 25

Test Level: 6.599999904632568

Test Level UOM: m

Links

 Bore Hole ID:
 1007638079
 Tag No:
 A253409

 Depth M:
 Contractor:
 7329

 Year Completed:
 2019
 Path:
 734\7341597.pdf

 Well Completed Dt:
 2019/09/04
 Latitude:
 44.2413645576825

 Audit No:
 Z312688
 Longitude:
 -77.3830974976017

83 1 of 1 SW/177.8 109.8 / -9.70 lot 8 con 5 ON WWIS

Flowing (Y/N):

Order No: 23021600530

Well ID: 2905892
Construction Date:

Construction Date:Flow Rate:Use 1st:DomesticData Entry Status:Use 2nd:0Data Src:

Final Well Status: Water Supply Date Received: 09-Jul-1973 00:00:00

Water Type: Selected Flag: TRUE

Casing Material:

Abandonment Rec:

 Audit No:
 Contractor:
 1805

 Tag:
 Form Version:
 1

Constructn Method: Owner:
Elevation (m): County: HASTINGS

Elevatn Reliabilty:Lot:008Depth to Bedrock:Concession:05Well Depth:Concession Name:CON

Well Depth: Concession Name: CO
Overburden/Bedrock: Easting NAD83:

Pump Rate: Northing NAD83:

Static Water Level: Zone:
Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2905892.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1973/06/20

 Year Completed:
 1973

 Depth (m):
 6.096

 Latitude:
 44.2388398651255

 Longitude:
 -77.3974732538432

 Path:
 290\2905892.pdf

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

Records

Bore Hole Information

Bore Hole ID: 10161455 Elevation: DP2BR: Elevrc:

Spatial Status: 18 Zone: Code OB: 308555.90 East83: Code OB Desc: 4901196.00 North83:

Open Hole: Org CS: Cluster Kind: UTMRC:

20-Jun-1973 00:00:00 margin of error: 30 m - 100 m UTMRC Desc: Date Completed:

Remarks: Location Method: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m

Loc Method Desc: Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

931470850 Formation ID:

Layer: Color: 6

General Color: **BROWN** Mat1: 05 Most Common Material: CLAY 28 Mat2: SAND Mat2 Desc: Mat3: 13

BOULDERS Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 10.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931470851 Formation ID:

2 Layer: Color: General Color: **GREY** Mat1: 11 **GRAVEL** Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 10.0 20.0 Formation End Depth: Formation End Depth UOM:

Method of Construction & Well

Use

Method Construction ID: 962905892

Method Construction Code:

Method Construction: Rotary (Air)

Other Method Construction:

Pipe Information

 Pipe ID:
 10710025

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930275884

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

Depth From:

Depth To:20.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP

Pump Test ID: 992905892

Pump Set At:

Static Level: 8.0 Final Level After Pumping: 20.0

Recommended Pump Depth:

Pumping Rate: 30.0

 Flowing Rate:
 30.0

 Recommended Pump Rate:
 30.0

 Levels UOM:
 ft

 Rate UOM:
 GPM

 Water State After Test Code:
 1

 Water State After Test:
 CLEAR

Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID: 933619500

Layer: 1
Kind Code: 1

Kind: FRESH
Water Found Depth: 18.0
Water Found Depth UOM: ft

<u>Links</u>

Bore Hole ID: 10161455 **Tag No:**

Depth M: 6.096 **Contractor:** 1805

 Year Completed:
 1973
 Path:
 290\2905892.pdf

 Well Completed Dt:
 1973/06/20
 Latitude:
 44.2388398651255

 Audit No:
 Longitude:
 -77.3974732538432

84 1 of 2 WNW/213.5 114.9 / -4.65 lot 8 con 5 WWIS

Order No: 23021600530

Well ID: 2911864 Flowing (Y/N):
Construction Date: Flow Rate:

Use 1st: Domestic Data Entry Status:

Data Src: Use 2nd:

Water Supply Final Well Status: Date Received: 19-Feb-1988 00:00:00 TRUE

Water Type: Selected Flag: Casing Material: Abandonment Rec:

Audit No: NA Contractor: 1831 Tag: Form Version: 1

Constructn Method: Owner:

HASTINGS Elevation (m): County: Elevatn Reliabilty: 800 Lot: Depth to Bedrock: Concession: 05 Well Depth: Concession Name: CON

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83:

Static Water Level: Zone:

Clear/Cloudy: UTM Reliability: THURLOW TOWNSHIP

Municipality: Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2911864.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 1987/09/01 1987 Year Completed: Depth (m): 10.0584

44.247712805546 Latitude: Longitude: -77.4019432242259 Path: 291\2911864.pdf

Bore Hole Information

Bore Hole ID: 10166995 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 Code OB: East83: 308227.80 4902192.00 Code OB Desc: North83:

Open Hole: Org CS: Cluster Kind: UTMRC:

UTMRC Desc: 01-Sep-1987 00:00:00 unknown UTM Date Completed: Remarks: Location Method:

Loc Method Desc: Lot centroid Elevrc Desc:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

931488184 Formation ID:

Layer:

Color: General Color:

Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 21.0 33.0 Formation End Depth:

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931488183

Layer:

Color: General Color:

Mat1: 05 CLAY Most Common Material: Mat2: 11 **GRAVEL** Mat2 Desc:

Mat3: Mat3 Desc:

0.0 Formation Top Depth: Formation End Depth: 21.0 Formation End Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962911864

Method Construction Code: Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10715565

Casing No:

Comment: Alt Name:

Construction Record - Casing

930284365 Casing ID:

Layer: Material: Open Hole or Material: STEEL

Depth From:

Depth To: 22.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

BAILER Pumping Test Method Desc: Pump Test ID: 992911864

Pump Set At:

Static Level: 11.0 Final Level After Pumping: 35.0 Recommended Pump Depth: 39.0 Pumping Rate: 10.0

Flowing Rate: Recommended Pump Rate: 10.0 Levels UOM: ft **GPM** Rate UOM: Water State After Test Code: 1 Water State After Test: **CLEAR** Pumping Test Method:

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

Draw Down & Recovery

Pump Test Detail ID: 934724178

 Test Type:

 Test Duration:
 45

 Test Level:
 11.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 934976108

 Test Type:
 60

 Test Level:
 11.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 934175474

Test Type: Test Duration:

Test Duration: 15
Test Level: 11.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934457347

Test Type:

 Test Duration:
 30

 Test Level:
 11.0

 Test Level UOM:
 ft

Water Details

Water ID: 933626243

Layer: 1 Kind Code: 1

Kind: FRESH
Water Found Depth: 40.0
Water Found Depth UOM: ft

<u>Links</u>

 Bore Hole ID:
 10166995
 Tag No:

 Depth M:
 10.0584
 Contractor:
 1831

 Depth M:
 10.0584
 Contractor:
 1831

 Year Completed:
 1987
 Path:
 291\2911864.pdf

 Well Completed Dt:
 1987/09/01
 Latitude:
 44.247712805546

Audit No: NA **Longitude:** -77.4019432242259

84 2 of 2 WNW/213.5 114.9 / -4.65 lot 8 con 5 ON WWIS

Order No: 23021600530

Well ID: 2911977 Flowing (Y/N):
Construction Date: Flow Rate:

Use 1st:DomesticData Entry Status:Use 2nd:Data Src:1

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

Selected Flag:

TRUE

9

Order No: 23021600530

Final Well Status: Water Supply 12-May-1988 00:00:00 Date Received:

Water Type:

Casing Material:

Abandonment Rec: Audit No: 19617 Contractor:

1805 Tag: Form Version: Constructn Method: Owner:

Elevation (m): County: **HASTINGS** Elevatn Reliabilty: Lot: 800 Depth to Bedrock: Concession: 05

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

Static Water Level: Zone:

Clear/Cloudy: UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/291\2911977.pdf

Additional Detail(s) (Map)

1988/04/13 Well Completed Date: Year Completed: 1988 13.1064 Depth (m):

Latitude: 44.247712805546 Longitude: -77.4019432242259 Path: 291\2911977.pdf

Bore Hole Information

Bore Hole ID: 10167108 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18

308227.80 Code OB: East83: Code OB Desc: North83: 4902192.00 Open Hole: Org CS:

Cluster Kind: UTMRC:

Date Completed: 13-Apr-1988 00:00:00 **UTMRC Desc:** unknown UTM Remarks: Location Method:

Loc Method Desc: Lot centroid

Elevrc Desc:

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

Supplier Comment:

Location Source Date:

Overburden and Bedrock

Materials Interval

Formation ID: 931488560

Layer: Color: General Color: **GREY** Mat1: 05 Most Common Material: CLAY Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 12 **STONES** Mat3 Desc: Formation Top Depth: 17.0

Formation End Depth: 31.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931488559

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

 Mat2:
 13

 Mat2 Desc:
 BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 9.0
Formation End Depth: 17.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931488558

Layer: 1 **Color:** 6

General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 13

Mat2 Desc: BOULDERS

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 9.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931488561

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 31.0
Formation End Depth: 43.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962911977
Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10715678

Casing No: Comment: Alt Name:

Construction Record - Casing

Casing ID: 930284526

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:43.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Casing

Casing ID: 930284525

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

Depth From:

Depth To:32.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 992911977

Pump Set At:

Static Level:8.0Final Level After Pumping:40.0Recommended Pump Depth:40.0Pumping Rate:3.0Flowing Rate:Recommended Pump Rate:Recommended Pump Rate:3.0

Levels UOM:ftRate UOM:GPMWater State After Test Code:2Water State After Test:CLOUDYPumping Test Method:2

Pumping Duration HR:1Pumping Duration MIN:30Flowing:No

Water Details

Water ID: 933626382

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 34.0

 Water Found Depth UOM:
 ft

Links

Bore Hole ID: 10167108 **Tag No:**

Depth M: 13.1064 **Contractor:** 1805

Number of Direction/ Elev/Diff Site DΒ Map Key

Records Distance (m) (m)

Year Completed: 1988 291\2911977.pdf Path: Well Completed Dt: 1988/04/13 Latitude: 44.247712805546 Audit No: 19617 Longitude: -77.4019432242259

85 1 of 1 E/216.3 112.8 / -6.68 lot 11 con 5 **WWIS** ON

Well ID: 2909296 Flowing (Y/N):

Construction Date: Flow Rate: Use 1st: Livestock Data Entry Status:

Use 2nd: Data Src:

07-Dec-1979 00:00:00 Final Well Status: Water Supply Date Received: TRUE Water Type: Selected Flag:

Casing Material: Abandonment Rec:

1805 Audit No: Contractor: Form Version: Tag: 1 Constructn Method: Owner:

HASTINGS Elevation (m): County: Elevatn Reliabilty: Lot: 011 Depth to Bedrock: Concession: 05 CON Well Depth: Concession Name:

Overburden/Bedrock: Easting NAD83: Northing NAD83: Pump Rate:

Static Water Level: Zone:

UTM Reliability: Clear/Cloudy:

Municipality: THURLOW TOWNSHIP Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/290\2909296.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 1979/11/06 Year Completed: 1979 Depth (m): 15.24

44.2434291886927 Latitude: -77.3829554619388 Longitude: Path: 290\2909296.pdf

Bore Hole Information

Bore Hole ID: 10164442 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18

309730.00 Code OB: East83: Code OB Desc: North83: 4901672.00 Open Hole:

Org CS: Cluster Kind: UTMRC:

06-Nov-1979 00:00:00

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

Order No: 23021600530

Remarks: Location Method: Loc Method Desc: Original Pre1985 UTM Rel Code 5: margin of error: 100 m - 300 m

Elevrc Desc: Location Source Date:

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

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931479689

Layer: Color:

General Color:

Mat1: 05 Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 18.0 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931479691

Layer: 3

Color: General Color:

Mat1:

Most Common Material: COARSE GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

45.0 Formation Top Depth: Formation End Depth: 50.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931479690

Layer:

Color:

General Color:

Mat1: 14

HARDPAN Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 18.0 Formation End Depth: 45.0 ft Formation End Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 962909296

Method Construction Code:

Method Construction: Rotary (Air)

Other Method Construction:

Pipe Information

Pipe ID: 10713012

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930280431

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 50.0

Casing Diameter:

Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930280430

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

Depth To: 48.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP Pump Test ID: 992909296

Pump Set At:
Static Level: 30.0
Final Level After Pumping: 48.0
Recommended Pump Depth: 45.0
Pumping Rate: 10.0

Water Details

Flowing:

Water ID: 933623098

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 48.0

 Water Found Depth UOM:
 ft

Links

Bore Hole ID: 10164442

No

Depth M: 15.24 **Contractor:** 1805

 Year Completed:
 1979
 Path:
 290\2909296.pdf

 Well Completed Dt:
 1979/11/06
 Latitude:
 44.2434291886927

 Audit No:
 Longitude:
 -77.3829554619388

Tag No:

113.2 / -6.35 567 HARMONY RD lot 11 con 5 86 1 of 1 E/219.2 **WWIS** Belleville ON

Well ID: 7301528 Flowing (Y/N): Construction Date: Flow Rate:

Use 1st: Domestic Data Entry Status:

Use 2nd: Data Src:

Final Well Status: Water Supply 15-Dec-2017 00:00:00 Date Received: TRUE Water Type: Selected Flag:

Casing Material: Abandonment Rec:

Audit No: Z253305 Contractor: 1507 A208135 Form Version: Tag:

Constructn Method: Owner: Elevation (m): County:

HASTINGS Elevatn Reliabilty: Lot: 011 Depth to Bedrock: Concession: 05 Concession Name: Well Depth: CON . Overburden/Bedrock: Easting NAD83:

Pump Rate: Northing NAD83: Static Water Level: Zone: Clear/Cloudy: UTM Reliability:

THURLOW TOWNSHIP Municipality:

Site Info:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/730\7301528.pdf PDF URL (Map):

Additional Detail(s) (Map)

2017/10/06 Well Completed Date: Year Completed: 2017 Depth (m): 15.24

Latitude: 44.2448302221068 -77.3835505912449 Longitude: Path: 730\7301528.pdf

Bore Hole Information

Cluster Kind:

1006892366 Bore Hole ID: Elevation:

DP2BR: Elevrc: Spatial Status: 18 Zone: 309687.00 Code OB: East83: Code OB Desc: North83: 4901829.00 Open Hole: Org CS: UTM83

UTMRC Desc: Date Completed: 06-Oct-2017 00:00:00 margin of error: 30 m - 100 m wwr

UTMRC:

Order No: 23021600530

Remarks: Location Method:

Loc Method Desc: on Water Well Record

Elevrc Desc: Location Source Date:

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

Supplier Comment:

Overburden and Bedrock Materials Interval

1007082749 Formation ID:

Layer: Color: 6 General Color: **BROWN** Mat1: 05

Most Common Material: CLAY

 Mat2:
 34

 Mat2 Desc:
 TILL

 Mat3:
 79

 Mat3 Desc:
 PACKED

 Formation Top Depth:
 0.0

 Formation End Depth:
 19.0

 Formation End Depth UOM:
 ft

Overburden and Bedrock Materials Interval

Formation ID: 1007291878

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2:

Mat2 Desc:

 Mat3:
 73

 Mat3 Desc:
 HARD

 Formation Top Depth:
 38.0

 Formation End Depth:
 50.0

 Formation End Depth UOM:
 ft

Overburden and Bedrock

Materials Interval

Formation ID: 1007291877

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc:

Mat3: 71

Mat3 Desc: FRACTURED

Formation Top Depth: 37.0
Formation End Depth: 38.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1007291876

Layer: 2 Color: General Color: **GREY** Mat1: 05 Most Common Material: CLAY 34 Mat2: Mat2 Desc: TILL Mat3: 79 **PACKED** Mat3 Desc: Formation Top Depth: 19.0 37.0 Formation End Depth: Formation End Depth UOM:

Annular Space/Abandonment

Sealing Record

1007291908 Plug ID:

Layer: 2 20.0 Plug From: 38.0 Plug To: Plug Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1007291907

Layer: 1 Plug From: 0.0 20.0 Plug To: Plug Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1007082754

Method Construction Code:

Method Construction: Rotary (Convent.) AIR PERC Other Method Construction:

Pipe Information

1007082748 Pipe ID:

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1007082752

Layer: Material: STEEL Open Hole or Material: Depth From: -1.5 Depth To: 38.5 Casing Diameter: 6.25 Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1007082753

Layer: Slot:

Screen Top Depth: Screen End Depth: Screen Material:

Screen Depth UOM: ft Screen Diameter UOM: inch

Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:

Pump Test ID: 1007291875

Pump Set At: 47.0

Static Level: 13.300000190734863

Final Level After Pumping: 28.5

Recommended Pump Depth: 47.0 Pumping Rate: 12.0

Flowing Rate:

Recommended Pump Rate: 10.0 Levels UOM: ft Rate UOM: GPM Water State After Test Code: 1

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

Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1007291902
Test Type: Draw Down

Test Duration: 50

Test Level: 28.299999237060547

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1007291903

 Test Type:
 Recovery

 Test Duration:
 50

 Test Level:
 14.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:1007291884Test Type:Draw Down

Test Duration: 3

Test Level: 18.700000762939453

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1007291885

 Test Type:
 Recovery

 Test Duration:
 3

 Test Level:
 22.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 1007291887 Test Type: Recovery

Test Duration: 4

Test Level: 20.200000762939453

Test Level UOM:

Draw Down & Recovery

 Pump Test Detail ID:
 1007291889

 Test Type:
 Recovery

 Test Duration:
 5

 Test Level:
 19.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:1007291891Test Type:Recovery

Test Duration: 10

Test Level: 15.699999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007291899
Test Type: Recovery

Test Duration: 30

Test Level: 14.100000381469727

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1007291883Test Type:Recovery

Test Duration:

Test Level: 23.899999618530273

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1007291893Test Type:RecoveryTest Duration:15

Test Level: 14.300000190734863

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007291894Test Type:Draw Down

Test Duration: 20

Test Level: 26.399999618530273

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1007291881

 Test Type:
 Recovery

 Test Duration:
 1

 Test Level:
 26.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 1007291890
Test Type: Draw Down

Test Duration: 10

Test Level: 24.100000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007291896

 Test Type:
 Draw Down

 Test Duration:
 25

 Test Level:
 27.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1007291901

 Test Type:
 Recovery

 Test Duration:
 40

 Test Level:
 14.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:1007291880Test Type:Draw Down

Test Duration:

Test Level: 16.700000762939453

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007291886Test Type:Draw Down

Test Duration:

Test Level: 19.600000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007291892Test Type:Draw Down

Test Duration: 15

Test Level: 25.200000762939453

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007291895Test Type:RecoveryTest Duration:20

rest Duration. 20

Test Level: 14.199999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007291897
Test Type: Recovery

Test Duration: 25

Test Level: 14.199999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007291905 Test Type: Recovery

Test Duration: 60

Test Level: 13.899999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007291882Test Type:Draw Down

Test Duration: 2

Test Level: 16.799999237060547

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007291898Test Type:Draw Down

Test Duration: 30

Test Level: 27.299999237060547

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007291900Test Type:Draw Down

Test Duration: 40

Test Level: 27.899999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007291888Test Type:Draw Down

Test Duration: 5

Test Level: 20.200000762939453

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1007291904

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 28.5

Test Level: 28
Test Level UOM: ft

Water Details

Water ID: 1007082751

 Layer:
 1

 Kind Code:
 8

 Kind:
 Untested

 Water Found Depth:
 38.0

 Water Found Depth UOM:
 ft

Hole Diameter

 Hole ID:
 1007082750

 Diameter:
 10.0

 Depth From:
 0.0

 Depth To:
 37.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

Hole Diameter

 Hole ID:
 1007291879

 Diameter:
 6.0

 Depth From:
 37.0

 Depth To:
 50.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 inch

Links

 Bore Hole ID:
 1006892366
 Tag No:
 A208135

 Depth M:
 15.24
 Contractor:
 1507

 Year Completed:
 2017
 Path:
 730\7301528.pdf

 Well Completed Dt:
 2017/10/06
 Latitude:
 44.2448302221068

 Audit No:
 Z253305
 Longitude:
 -77.3835505912449

87 1 of 1 ENE/241.3 114.5 / -5.05 567 HARMONY ROAD lot 11 con 5 Belleville ON WWIS

Well ID: 7314333 **Flowing (Y/N):**

Construction Date: Flow Rate:
Use 1st: Domestic Data Entry Status:

Use 2nd:Data Src:Final Well Status:Water SupplyDate Received:09-Jul-2018 00:00:00

Water Type: Selected Flag: TRUE

Casing Material:Abandonment Rec:Audit No:Z279290Contractor:1507

Tag: A242629 Contractor: 1507
Constructn Method: Contractor: 7
Constructn Method: Owner:

 Elevation (m):
 County:
 HASTINGS

 Elevatn Reliabilty:
 Lot:
 011

 Depth to Bedrock:
 Concession:
 05

Depth to Bedrock:Concession:05Well Depth:Concession Name:CONOverburden/Bedrock:Easting NAD83:

Pump Rate:Northing NAD83:Static Water Level:Zone:Clear/Cloudy:UTM Reliability:

Municipality: THURLOW TOWNSHIP

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/731\7314333.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 2018/06/11

 Year Completed:
 2018

 Depth (m):
 14.0208

 Latitude:
 44.2466645944123

 Longitude:
 -77.3840881161794

 Path:
 731\7314333.pdf

Bore Hole Information

 Bore Hole ID:
 1007149211
 Elevation:

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 309650.00

 Code OB Desc:
 North83:
 4902034.00

 Open Hole:
 Org CS:
 UTM83

Cluster Kind: UTMRC: 4

 Date Completed:
 11-Jun-2018 00:00:00
 UTMRC Desc:
 margin of error: 30 m - 100 m

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

Remarks: Location Method: wwr Loc Method Desc: on Water Well Record

Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

1007933326 Formation ID:

Layer: 5 Color: General Color: **GREY** Mat1: 15

LIMESTONE Most Common Material:

Mat2:

Mat2 Desc:

73 Mat3: Mat3 Desc: HARD Formation Top Depth: 36.0 46.0 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 1007933323

2 Layer: Color: 2 **GREY** General Color: Mat1: 05 Most Common Material: CLAY Mat2: 34 Mat2 Desc: TILL Mat3: 79 **PACKED** Mat3 Desc: Formation Top Depth: 16.0 Formation End Depth: 30.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1007933324

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

Mat2: Mat2 Desc:

Mat3:

77 LOOSE Mat3 Desc: Formation Top Depth: 30.0 Formation End Depth: 32.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1007933322

Layer: Color: 6 General Color: **BROWN** 05 Mat1: Most Common Material: CLAY 34 Mat2: Mat2 Desc: TILL Mat3: 79 **PACKED** Mat3 Desc: Formation Top Depth: 0.0 Formation End Depth: 16.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1007933325

Layer: Color: 2 General Color: **GREY** Mat1: 05 CLAY Most Common Material: Mat2: 11 **GRAVEL** Mat2 Desc: Mat3: 79 **PACKED** Mat3 Desc: Formation Top Depth: 32.0 Formation End Depth: 36.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1007934335

 Layer:
 1

 Plug From:
 0.0

 Plug To:
 30.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1007935566
Method Construction Code: 1
Method Construction: Cobbs Tool

Method Construction: Cable Tool

Other Method Construction:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1007935567

Method Construction Code: 5

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 1007931721

Casing No: 0

Comment:

Alt Name:

Construction Record - Casing

 Casing ID:
 1007936127

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 -2.5

 Pooth To:
 36.5

Depth From:-2.5Depth To:36.5Casing Diameter:6.25Casing Diameter UOM:InchCasing Depth UOM:ft

Results of Well Yield Testing

Pumping Test Method Desc:

 Pump Test ID:
 1007937266

 Pump Set At:
 43.0

Static Level: 13.800000190734863

Final Level After Pumping: 15.5
Recommended Pump Depth: 42.0
Pumping Rate: 11.0
Flowing Rate:

Recommended Pump Rate: 11.0

Levels UOM: ft
Rate UOM: GPM

Water State After Test Code: 1

Water State After Test: CLEAR

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

Draw Down & Recovery

Pump Test Detail ID:1007943125Test Type:Draw Down

Test Duration:

Test Level: 14.199999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007943132Test Type:Draw Down

Test Duration: 20

Test Level: 14.800000190734863

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007943139
Test Type: Recovery

Test Duration:

Test Level: 15.199999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007943150

Recovery Test Type: Test Duration: 60 14.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

1007943128 Pump Test Detail ID: Test Type: Draw Down

Test Duration:

14.300000190734863 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007943129 Draw Down Test Type: 5

Test Duration:

Test Level: 14.300000190734863

Test Level UOM: ft

Draw Down & Recovery

1007943136 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 50

Test Level: 15.300000190734863

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007943138 Test Type: Recovery

Test Duration:

Test Level: 15.300000190734863

Test Level UOM: ft

Draw Down & Recovery

1007943148 Pump Test Detail ID: Test Type: Recovery Test Duration: 40 Test Level: 14.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007943149 Test Type: Recovery Test Duration: 50 Test Level: 14.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007943142 Test Type: Recovery

Test Duration: 5

Test Level: 14.699999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007943127Test Type:Draw Down

Test Duration: 3

Test Level: 14.300000190734863

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007943134Test Type:Draw Down

Test Duration: 30

Test Level: 15.100000381469727

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1007943145

 Test Type:
 Recovery

 Test Duration:
 20

 Test Level:
 14.5

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 1007943147

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 14.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:1007943126Test Type:Draw Down

Test Duration: 2

Test Level: 14.199999809265137

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1007943133

 Test Type:
 Draw Down

 Test Duration:
 25

 Test Level:
 15.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:1007943135Test Type:Draw Down

Test Duration: 40

Test Level: 15.300000190734863

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1007943137

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 15.5

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 1007943131
Test Type: Draw Down

Test Duration: 15

Test Level: 14.600000381469727

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1007943143

 Test Type:
 Recovery

 Test Duration:
 10

 Test Level:
 14.5

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:1007943130Test Type:Draw Down

Test Duration: 10

Test Level: 14.399999618530273

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1007943140

 Test Type:
 Recovery

 Test Duration:
 3

 Test Level:
 15.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:1007943141Test Type:Recovery

Test Duration: 4

Test Level: 14.800000190734863

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007943144
Test Type: Recovery

Test Duration: 15

Test Level: 14.300000190734863

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1007943146

 Test Type:
 Recovery

 Test Duration:
 25

 Test Level:
 14.0

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

Test Level UOM:

Water Details

Water ID: 1007936799

ft

Layer: Kind Code:

Untested Kind: Water Found Depth: 40.0 Water Found Depth UOM:

Hole Diameter

Hole ID: 1007935002

Diameter: 6.0 30.0 Depth From: 46.0 Depth To: Hole Depth UOM: ft Hole Diameter UOM: Inch

Hole Diameter

Hole ID: 1007935001

Diameter: 10.0 Depth From: 0.0 30.0 Depth To: Hole Depth UOM: ft Hole Diameter UOM: Inch

Links

Bore Hole ID: 1007149211 Tag No: A242629 Depth M: 14.0208 Contractor: 1507

Year Completed: 2018 Path: 731\7314333.pdf Well Completed Dt: 2018/06/11 Latitude: 44.2466645944123 Audit No: Z279290 Longitude: -77.3840881161794

88 1 of 1 E/247.6 114.5 / -5.05 567 HARMONY ROAD lot 11 con 5 **WWIS** Belleville ON

7317869 Well ID: Flowing (Y/N):

Construction Date: Flow Rate: Use 1st: Domestic Data Entry Status: Use 2nd: Data Src:

Final Well Status: Water Supply Date Received: 27-Aug-2018 00:00:00

Selected Flag: TRUE Water Type:

Casing Material: Abandonment Rec:

Audit No: Z279288 Contractor: 1507 A242628 Form Version: Tag:

Constructn Method: Owner: **HASTINGS** Elevation (m): County:

Elevatn Reliabilty: Lot: 011 Depth to Bedrock: Concession: 05 CON Well Depth: Concession Name:

Overburden/Bedrock: Easting NAD83: Pump Rate: Northing NAD83:

Static Water Level: Zone:

Clear/Cloudy: UTM Reliability: THURLOW TOWNSHIP Municipality:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/731\7317869.pdf

Order No: 23021600530

Site Info:

DB Map Key Number of Direction/ Elev/Diff Site

Records Distance (m) (m)

Additional Detail(s) (Map)

Well Completed Date: 2018/06/11 Year Completed: 2018 14.0208 Depth (m):

44.2465592637462 Latitude: -77.3839586139808 Longitude: Path: 731\7317869.pdf

Bore Hole Information

Bore Hole ID: 1007278176 Elevation: Elevrc:

DP2BR: Spatial Status: Code OB:

Code OB Desc: Open Hole: Cluster Kind: Date Completed: 11-Jun-2018 00:00:00

Remarks:

Loc Method Desc: Elevrc Desc:

on Water Well Record

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 1007949664

Layer: 4 Color: General Color: **GREY** Mat1: 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc:

73 Mat3: Mat3 Desc: HARD Formation Top Depth: 38.0 Formation End Depth: 46.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

1007949662 Formation ID:

Layer: 2 2 Color: General Color: **GREY** Mat1: 05 Most Common Material: CLAY Mat2: 34 TILL Mat2 Desc: Mat3: 79 PACKED Mat3 Desc: Formation Top Depth: 16.0 Formation End Depth: 30.0 Formation End Depth UOM: ft

Zone: 18

309660.00 East83: 4902022.00 North83: UTM83 Org CS:

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

Order No: 23021600530

Location Method: wwr

Overburden and Bedrock

Materials Interval

Formation ID: 1007949663

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

Mat2:

Mat2 Desc:

 Mat3:
 77

 Mat3 Desc:
 LOOSE

 Formation Top Depth:
 30.0

 Formation End Depth:
 38.0

 Formation End Depth UOM:
 ft

Overburden and Bedrock Materials Interval

Formation ID: 1007949665

Layer: 1 **Color:** 6

General Color: **BROWN** Mat1: 05 Most Common Material: CLAY Mat2: 34 Mat2 Desc: TILL Mat3: 79 **PACKED** Mat3 Desc: Formation Top Depth: 0.0 Formation End Depth: 16.0

Annular Space/Abandonment

Formation End Depth UOM:

Sealing Record

Plug ID: 1007950876

ft

 Layer:
 1

 Plug From:
 30.0

 Plug To:
 0.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1007952030

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1007952031

Method Construction Code:

Method Construction: Rotary (Convent.)

Other Method Construction:

Pipe Information

Pipe ID: 1007948595

Casing No: 0

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1007952455

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 -2.0

 Depth To:
 38.0

 Casing Diameter:
 6.25

 Casing Diameter UOM:
 Inch

 Casing Depth UOM:
 ft

Results of Well Yield Testing

Pumping Test Method Desc:

Pump Test ID: 1007953498

Pump Set At:43.0Static Level:13.0

Final Level After Pumping: 14.899999618530273

Recommended Pump Depth: 42.0
Pumping Rate: 11.0
Flowing Rate: 11.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR

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

Flowing: No

Draw Down & Recovery

Pump Test Detail ID:1007955852Test Type:Draw Down

Test Duration:

Test Level: 13.199999809265137

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:1007955859Test Type:Draw Down

Test Duration: 20

Test Level: 14.300000190734863

Test Level UOM:

Draw Down & Recovery

 Pump Test Detail ID:
 1007955861

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 14.5

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:1007955863Test Type:Draw Down

Test Duration: 50

Test Level: 14.899999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007955866Test Type:Recovery

Test Duration:

Test Level: 14.699999809265137

Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 1007955868
Test Type: Recovery

Test Duration:

Test Level: 14.600000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007955869Test Type:Recovery

Test Duration: 5

Test Level: 14.600000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007955854Test Type:Draw Down

Test Duration: 3

Test Level: 13.399999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007955855Test Type:Draw Down

Test Duration:

Test Level: 13.600000381469727

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1007955873

 Test Type:
 Recovery

 Test Duration:
 25

 Test Level:
 14.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 1007955874

Recovery Test Type: Test Duration: 30 139.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

1007955864 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 60

14.899999618530273 Test Level:

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007955875 Test Type: Recovery Test Duration: 40

Test Level: 13.800000190734863

Test Level UOM: ft

Draw Down & Recovery

1007955870 Pump Test Detail ID: Test Type: Recovery Test Duration: 10

Test Level: 14.399999618530273

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007955853 Test Type: Draw Down

Test Duration: 2

Test Level: 13.399999618530273

Test Level UOM: ft

Draw Down & Recovery

1007955860 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 25

Test Level: 14.300000190734863

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007955872 Test Type: Recovery

Test Duration: 20

Test Level: 14.100000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007955876 Test Type: Recovery

Test Duration: 50

Test Level: 13.699999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007955856Test Type:Draw Down

Test Duration: 5

Test Level: 13.600000381469727

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1007955857

 Test Type:
 Draw Down

 Test Duration:
 10

 Test Level:
 14.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:1007955865Test Type:Recovery

Test Duration: 1

Test Level: 14.800000190734863

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007955871
Test Type: Recovery

Test Duration: 15

Test Level: 14.199999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007955858Test Type:Draw Down

Test Duration: 15

Test Level: 14.199999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:1007955862Test Type:Draw Down

Test Duration: 40

Test Level: 14.699999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007955867
Test Type: Recovery

Test Duration: 3

Test Level: 14.699999809265137

Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 1007955877

 Test Type:
 Recovery

 Test Duration:
 60

 Test Level:
 13.5

 Test Level UOM:
 ft

Water Details

Water ID: 1007953108

 Layer:
 1

 Kind Code:
 8

 Kind:
 Untested

 Water Found Depth:
 40.0

 Water Found Depth UOM:
 ft

Hole Diameter

 Hole ID:
 1007951480

 Diameter:
 6.0

 Depth From:
 30.0

 Depth To:
 46.0

 Hole Depth UOM:
 ft

Hole Depth UOM: ft
Hole Diameter UOM: Inch

Hole Diameter

 Hole ID:
 1007951479

 Diameter:
 10.0

 Depth From:
 0.0

 Depth To:
 30.0

 Hole Depth UOM:
 ft

 Hole Diameter UOM:
 Inch

<u>Links</u>

 Bore Hole ID:
 1007278176
 Tag No:
 A242628

 Depth M:
 14.0208
 Contractor:
 1507

 Year Completed:
 2018
 Path:
 731\7317869.pdf

 Well Completed Dt:
 2018/06/11
 Latitude:
 44.2465592637462

 Audit No:
 Z279288
 Longitude:
 -77.3839586139808

Unplottable Summary

Total: 9 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	CORBY DISTILLERIES LTD. (X# 4-0163-89)	LOT 8, CONC, 4, CORBYVILLE	THURLOW TWP. ON	
CA	CORBY DISTILLERIES LIMITED	LOT 8/4TH CONC.	THURLOW TWP. ON	
CA	CORBY DISTILLERIES LIMITED CORBYVILLE	PART LOT 8, 4TH CONC.	THURLOW TWP. ON	
CONV	Hastings and Prince Edward School Board	Harmony Public School	Corbyville ON	
GEN	Belleville Fire and Rescue-Fire Hall 4	516 Harmoney Rd	Corbyville ON	K0K 1V0
LIMO	Township of Marmora Municipality of Marmora and Lake	Lot 8, Concession 5 Hastings	ON	
PES	WEED WARRIORS II	R.R. #1	CORBYVILLE ON	K0K 1V0
PTTW	Brian Magee and Black Bear Ridge	Lots 9 to 11, Concession V nad Lot 10, Concession VI Belleville (formerly Thurlow Township) THURLOW	ON	
WWIS		lot 8	ON	

Unplottable Report

Site: CORBY DISTILLERIES LTD. (X# 4-0163-89)

LOT 8, CONC, 4, CORBYVILLE THURLOW TWP. ON

Database: CA

Database:

Database:

Certificate #: 4-0199-88-Application Year: 88

2/7/1992 Issue Date:

Industrial wastewater Approval Type: Cancelled

Status:

Application Type: Client Name: Client Address: Client City:

Client Postal Code:

MODS TO PLANT AND STP Project Description:

Contaminants: **Emission Control:**

CORBY DISTILLERIES LIMITED Site:

LOT 8/4TH CONC. THURLOW TWP. ON

8-4090-89-Certificate #: Application Year: 89

Issue Date: 8/15/1989 Industrial air Approval Type: Status: Approved

Application Type: Client Name: Client Address: Client City:

Client Postal Code:

Project Description: TWO NEW GAS FUELED PACKAGED BOILERS

Contaminants: Nitrogen Oxides No Controls **Emission Control:**

Site: **CORBY DISTILLERIES LIMITED CORBYVILLE** PART LOT 8, 4TH CONC. THURLOW TWP. ON

Certificate #: 4-0163-89-000

Application Year: 89

Issue Date: 2/7/92

Industrial wastewater Approval Type: **Application Cancelled** Status:

Application Type: Client Name: Client Address: Client City:

Client Postal Code:

Project Description: **EXISTING AERATION BASIN-CONTAINMENT LAGO**

Contaminants: **Emission Control:**

Site: Hastings and Prince Edward School Board

Harmony Public School Corbyville ON

Location: Belleville Database: CONV

erisinfo.com | Environmental Risk Information Services

553

File No:

Crown Brief No: Region:

Court Location: Ministry District: Publication City:

Publication Title: School Board Fined \$10,000 For Ontario Water Resources Act Violation

Act: Ontario Water Resources Act
Act(s):

First Matter: Second Matter: Investigation 1: Investigation 2:

Penalty Imposed:The board was convicted of one offence under the Ontario Water Resources Act and was fined \$10,000, plus a victim fine surcharge of \$2,500. The board was given 90 days to pay the fine.

Description: Hastings and Prince Edward School Board pleaded guilty to one offence and was fined \$10,000 for non-

compliance with an Environmental Compliance Approval (ECA) due to a failure to prepare an annual report,

contrary to the Ontario Water Resources Act.

Background: The school board is the operator of Harmony Public School in Corbyville. The board obtained a ministry approval to

operate a septic system. Under the approval, the board is responsible for preparing an annual report documenting

the operation and parameter testing for each calendar year.

The board retained a consultant to prepare a septic system design in support of its application to amend the ministry approved septic system. The board was seeking to expand the septic system serving the school, as the

school was being demolished and replaced.

The application was received by the ministry and was reviewed accordingly. Upon examination, the ministry found that copies of annual reports were not on file. Once contacted, the board advised that these annual reports had not

Database: GEN

Order No: 23021600530

been prepared.

URL: https://news.ontario.ca/ene/en/2015/09/school-board-fined-10000-for-ontario-water-resources-act-violation.html

Additional Details

Publication Date: September 18, 2015 10:00 A.M.

Count: Act: Regulation: Section:

Act/Regulation/Section: Date of Offence: Date of Conviction: Date Charged:

Charge Disposition:

Fine: \$10,000

Synopsis:

Site: Belleville Fire and Rescue-Fire Hall 4

516 Harmoney Rd Corbyville ON K0K 1V0

Generator No: ON3700662

SIC Code:

SIC Description:

Approval Years: As of Oct 2022

PO Box No:

Country: Canada Status: Registered

Co Admin:

Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:

Detail(s)

Waste Class: 150 L

Waste Class Name: INERT INORGANIC WASTES

Waste Class: 251

Waste Class Name: OIL SKIMMINGS & SLUDGES

Site: Township of Marmora Municipality of Marmora and Lake

Lot 8, Concession 5 Hastings ON

ECA/Instrument No: A362101 Closed Operation Status:

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 Svs:

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: Township of Marmora

Municipality of Marmora and Lake

Site Location Details:

Service Area: Page URL:

Natural Attenuation:

Liners:

Cover Material: Leachate Off-Site: Leachate On Site: Req Coll Lndfll Gas: Lndfll Gas Coll: Total Waste Rec: TWR Methodology: TWR Unit:

Tot Aprv Cap Unit: Financial Assurance: Last Report Year:

Region: **District Office:** Site County: Lot: Concession: Latitude: Longitude: Easting: Northing: UTM Zone: Data Source:

Site:

R.R. #1 CORBYVILLE ON KOK 1V0

Operator

Detail Licence No: Licence No:

Status: Approval Date: Report Source:

Licence Type: Licence Type Code: Licence Class: Licence Control: Latitude:

Longitude: Lot: Concession: Region: District: County:

Trade Name: PDF URL:

555

WEED WARRIORS II

Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code:

Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: **Operator County:** Op Municipality: Post Office Box: MOE District:

SWP Area Name:

Site: Brian Magee and Black Bear Ridge

Lots 9 to 11, Concession V nad Lot 10, Concession VI Belleville (formerly Thurlow Township) THURLOW ON

EBR Registry No: IA03E0216 Decision Posted: ER-18009 Ministry Ref No: Exception Posted:

Instrument Decision Notice Type: Section: Database: **PTTW**

Database: **PES**

Database: LIMO

Order No: 23021600530 erisinfo.com | Environmental Risk Information Services

Notice Stage: Act 1: May 24, 2006 Notice Date: Act 2:

February 18, 2003 Proposal Date: Site Location Map:

Year: 2003

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

Off Instrument Name:

Posted By:

Company Name: Brian Magee and Black Bear Ridge

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

Proponent Address: 206 Laird Drive, 200, Toronto Ontario, M4V 1P5

Comment Period:

URL:

Site Location Details:

Lots 9 to 11, Concession V nad Lot 10, Concession VI Belleville (formerly Thurlow Township) THURLOW

Site: Database: lot 8 ON

Well ID: 2919090

Flowing (Y/N): Construction Date: Flow Rate:

Use 1st: Not Used Data Entry Status:

Use 2nd: Data Src:

Final Well Status: 07-Jun-2001 00:00:00 **Observation Wells** Date Received:

Selected Flag: TRUE Water Type:

Casing Material: Abandonment Rec:

Audit No: 216463 Contractor: 7085 Tag: Form Version: 1

Constructn Method: Owner:

Elevation (m): County: **HASTINGS** Elevatn Reliabilty: 800

Lot: Depth to Bedrock: Concession:

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

Static Water Level: Zone:

Clear/Cloudy: UTM Reliability: **BELLEVILLE CITY**

Municipality: Site Info:

Bore Hole Information

Bore Hole ID: 10174203 Elevation:

DP2BR: Elevrc: Spatial Status: Zone: Code OB: East83: Code OB Desc: North83: Open Hole: Org CS:

Cluster Kind: UTMRC: 9

17-Apr-2001 00:00:00 Date Completed: **UTMRC Desc:** unknown UTM

Order No: 23021600530

Remarks: Location Method:

Loc Method Desc: Not Applicable i.e. no UTM Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931514469

Layer: 2 Color: 8 General Color: **BLACK** Mat1: 05 Most Common Material: CLAY 12 Mat2: **STONES** Mat2 Desc: Mat3: 84 Mat3 Desc: SILTY Formation Top Depth: 5.0 Formation End Depth: 6.0

Overburden and Bedrock

Formation End Depth UOM:

Materials Interval

Formation ID: 931514470

ft

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

 Mat2:
 17

 Mat2 Desc:
 SHALE

 Mat3:
 74

 Mat3 Desc:
 LAYERED

 Formation Top Depth:
 6.0

 Formation End Depth:
 16.0

 Formation End Depth UOM:
 ft

Overburden and Bedrock

Materials Interval

Formation ID: 931514468

Layer: Color: 8 General Color: **BLACK** Mat1: 05 Most Common Material: CLAY Mat2: 12 **STONES** Mat2 Desc: Mat3: 84 SILTY Mat3 Desc: Formation Top Depth: 0.0 Formation End Depth: 5.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931514471

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

 Mat2:
 17

 Mat2 Desc:
 SHALE

 Mat3:
 74

 Mat3 Desc:
 LAYERED

 Formation Top Depth:
 16.0

 Formation End Depth:
 16.0

 Formation End Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

933146835 Plug ID:

Layer: Plug From: 0.0 Plug To: 7.0 Plug Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 933146836

Layer: 2 7.0 Plug From: 16.0 Plug To: Plug Depth UOM:

Method of Construction & Well

<u>Use</u>

962919090 **Method Construction ID:**

Method Construction Code: Method Construction: Boring Other Method Construction:

Pipe Information

Pipe ID: 10722773

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930295965

2 Layer: Material:

PLASTIC

Open Hole or Material: Depth From:

Depth To: 2.0 Casing Diameter: inch

Casing Diameter UOM: Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930295964

Layer: Material:

Open Hole or Material: **PLASTIC**

Depth From: Depth To:

Casing Diameter: 2.0

Casing Diameter UOM: inch Casing Depth UOM:

Construction Record - Screen

933339362 Screen ID:

Layer: 1

Slot:

Screen Top Depth: 8.0 Screen End Depth: 16.0

Screen Material:
Screen Depth UOM:
Screen Diameter UOM:
inch
Screen Diameter:
2.0

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. **Note:** Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.

Abandoned Aggregate Inventory:

Provincial

AAGR

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial AGR

The Ontario Ministry of Northern Development, Mines, Natural Resources and Forestry (ONDMNRF) maintains this database of 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 Oct 2022

Abandoned Mine Information System:

Provincial

AMIS

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

Government Publication Date: 1800-Mar 2022

Anderson's Waste Disposal Sites:

Private

ANDR

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial

AST

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private

AUWR

Order No: 23021600530

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Government Publication Date: 1999-May 31, 2022

Borehole: Provincial BORE

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

Government Publication Date: 1875-Jul 2018

Certificates of Approval:

Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

Government Publication Date: Jan 2004-Dec 2021

Commercial Fuel Oil Tanks:

Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Chemical Manufacturers and Distributors:

Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: 1999-Jan 31, 2020

<u>Chemical Register:</u> Private CHM

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

Government Publication Date: 1999-May 31, 2022

Compressed Natural Gas Stations:

Private CNC

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 2012 -Sep 2022

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial

COAL

Order No: 23021600530

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-Feb 2023

Certificates of Property Use:

Provincial CPU

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

Government Publication Date: 1994 - Feb 28, 2023

Drill Hole Database:

Provincial DRL

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Oct 2022

Delisted Fuel Tanks:

Provincial DTNK

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: Feb 28, 2022

Environmental Activity and Sector Registry:

Provincial EASR

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 2011- Feb 28, 2023

Environmental Registry:

Provincial EBR

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

Government Publication Date: 1994 - Feb 28, 2023

Environmental Compliance Approval:

Provincial

FCA

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

Government Publication Date: Oct 2011- Feb 28, 2023

Environmental Effects Monitoring:

Federal

EEM

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private EHS

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Dec 31, 2022

Environmental Issues Inventory System:

Federal

EIIS

Order No: 23021600530

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: Apr 30, 2022

Environmental Penalty Annual Report:

Provincial

Provincial

EPAR

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2021

List of Expired Fuels Safety Facilities:

Provincial

EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

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

Government Publication Date: Feb 28, 2022

Federal Convictions: Federal FCON

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal

ECS.

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-Dec 2022

Fisheries & Oceans Fuel Tanks:

Federal

FOFT

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal

FRST

Order No: 23021600530

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

For Formical FST Provincial FST

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

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

not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Provincial Fuel Storage Tank - Historic:

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

GFN

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

Government Publication Date: 1986-Oct 31, 2022

Greenhouse Gas Emissions from Large Facilities:

Federal

GHG

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO2 eq).

Government Publication Date: 2013-Dec 2019

Provincial TSSA Historic Incidents: **HINC**

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

Government Publication Date: 2006-June 2009*

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

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

Government Publication Date: Feb 28, 2022

Landfill Inventory Management Ontario:

Provincial

LIMO

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

Government Publication Date: Mar 21, 2022

Canadian Mine Locations:

Private

MINE

Order No: 23021600530

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial MNR

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

Government Publication Date: 1846-Feb 2023

National Analysis of Trends in Emergencies System (NATES):

Federal

NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial

NCPL

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

Government Publication Date: Dec 31, 2021

National Defense & Canadian Forces Fuel Tanks:

Federal

NDFT

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

NDSP

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites:

Federal

NDWD

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal

NEBI

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

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells:

Federal

NEBP

Order No: 23021600530

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal NPRI

Federal

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

Private OGWE

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-Nov 30, 2022

Ontario Oil and Gas Wells:

Provincial OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Aug 2021

Inventory of PCB Storage Sites:

Provincial

OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Orders: Provincial ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994 - Feb 28, 2023

<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

Order No: 23021600530

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005

Pesticide Register:

Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: Oct 2011- Feb 28, 2023

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, 2021

Private and Retail Fuel Storage Tanks:

Provincial

PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - Feb 28, 2023

Ontario Regulation 347 Waste Receivers Summary:

Provincial REC

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

Government Publication Date: 1986-1990, 1992-2020

Record of Site Condition:

Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Feb 2023

Retail Fuel Storage Tanks:

Private RST

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

Government Publication Date: 1999-May 31, 2022

Scott's Manufacturing Directory:

Private

SCT

Order No: 23021600530

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial SPL

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

Government Publication Date: 1988-Mar 2021; May 2021-Oct 2021

Wastewater Discharger Registration Database:

Facilities that report either municipal treated wastewater effluent or industrial wastewater discharges under the Effluent Monitoring and Effluent Limits (EMEL) and Municipal/Industrial Strategy for Abatement Regulations. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment keeps record of 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.

Government Publication Date: 1990-Dec 31, 2020

Private Anderson's Storage Tanks: **TANK**

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal **TCFT**

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

Government Publication Date: 1970 - Apr 2020

Variances for Abandonment of Underground Storage Tanks:

Provincial VAR

Provincial

SRDS

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

Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory:

Provincial WDS

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

Government Publication Date: Oct 2011- Feb 28, 2023

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: 23021600530

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Jun 30 2022

Definitions

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

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

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

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

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

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

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

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

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

<u>Map Key:</u> The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

<u>Unplottables:</u> These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

Order No: 23021600530



Appendix F Municipal FOI Correspondence

CITY OF BELLEVILLE Freedom of Information and Protection of Privacy ACCESS/CORRECTION REQUEST

Request for:	Specify Department (if applicable):			
Access to General Records				
☐ Access to Own Personal Information				
☐ Correction of Own Personal Information				
If request is for access to, or correction of	f, own personal information records:			
Last name appearing on records: Same a	as below or >			
Details				
Last Name Fleet First Name	Boile Middle Name			
Address (Street/Apt. No./P.U. Box No./R.R.	. No) City or Town and Province			
1-871 Equestrian Court	Oakville ON			
Postal Code Telephone Number(s	Telephone Number(s) Evening			
	rmation records or personal information to be corrected. (If you are			
requesting access to, or correction of, your personal in containing the personal information, if known.)	nformation, please identify the personal information bank or record			
Any environmental record	ds, control order, or			
violation notices on f	file with the building,			
planning, enforcement	and for pinkingmental			
deportments for the p	property located at			
SOI Harmon Road C.				
501 Harmony Road, Co.	roy rine, ON.			
Note:				
If you are requesting a correction of personal information, please indicate the desired correction and, if appropriate, attach any supporting documentation. You will be notified if the correction is not made and you may require that a statement of				
disagreement be attached to your personal information. Preferred method of access to records:	Signature Date D/M/Y			
☐ Examine Original				
	Boy Flo 07/06/2023			
Receive Copy	V			
For Institution Use Only Date received D/M/Y	Request Number Comments			
Date received Diwii i	176 dange 14minon			
Personal information contained on this form is collecte	d pursuant to Freedom of Information and Protection of Privacy			
legislation and will be used for the purpose of responding to your request. Questions about this collection should be directed to the Freedom of Information and Privacy Coordinator at the City of Belleville.				

The Municipal Freedom of Information and Protection of Privacy Act

The Municipal Freedom of Information and Protection of Privacy Act (the Act) came into effect on January 1, 1991. The Act provides a right of access to records held by the municipality however, the general right of access is limited by certain exemptions set out in the Act. The exemptions are in place to protect one's right for privacy and the needs of the institution.

Fees

There is a \$5.00 charge to make a request and additional charges apply in accordance with the regulations made under the Act for record preparation and copying.

The most common additional charges are set out below:

Search for records:

\$7.50 per 15 minutes

Preparing records for disclosure:

\$7.50 per 15 minutes

Photocopies:

\$0.20 per page

Under the Act, a fee estimate will be provided to the requester in cases where processing a request will cost over \$25.00. If the estimate is over \$100.00, the requester will be required to pay a 50% deposit prior to the institution proceeding with the request.

Formulating Your Request

All requests must be made in writing using the attached Freedom of Information and Protection of Privacy Request form.

Requests for information should clearly outline what kind of information is required. When the term "any or all information" is used in a request, every City Department must initiate a search of all records under their control and all information that is considered to be responsive to the request must be reviewed by the Freedom of Information Coordinator in order to prepare the records for disclosure. When every department is involved in a search for records, the cost for the request can escalate very quickly therefore, in order to avoid this, applicants are encouraged to make their request as specific as possible.

For more information about making a request under the Municipal Freedom of Information and Protection of Privacy Act contact the Deputy City Clerk's Section at 613-967-3200 extension 3254



Appendix G MECP FOI Correspondence



Ministry of the Environment, Conservation and Parks Freedom of Information Request for Property Information

Instructions

1	Ico.	thie	form	to
·	150	111115	TOTTL	1()

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

Fields marked	with	an	asterisk	(*)	are	mandatory
---------------	------	----	----------	-----	-----	-----------

Are you: *
✓ Submitting a new FOI Request for Property Information
Paying a deposit or final fee for an existing FOI Request for Property Information

Section 1 - Description of Records Requested

Time Period for Records Requested

From (yyyy/mm/dd) *	To (yyyy/mm/dd) *		
1985/01/01	2023/06/07		

Type of Record(s) *

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

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

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

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

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

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

https://www.iicsde.iic.gov.on.ca/bris/vebrubiic/pub/earchriledicsc_searchriequ
Other Specific Document(s)
Type of Approval/Registration *
☐ Drinking Water Licenses
Pesticide Licenses

PO Box City/Town *		Province * Postal Code *
DO Day		Dravinas * Dootal Cada *
<u>(1</u> <u>(871</u>	Equestrian Court	
Unit Number Street Number *	Street Name *	
Mailing Address		
Yes No		
Are you submitting this request on b	pehalf of a client? *	
2200902	,	
Project/Reference Number (if applic	cable)	
Palmer	,	
Business/Organization Name (if app	plicable or indicate "N/A") *	
Fleet	Bailey	
Last Name *	First Name *	Middle Initia
Section 2 – Requester Infor	mation	
n/a		
Access and Privacy Office and will	not in any way affect or expedite the status of any related i	
	ant information relating to your request. For example, does this information is being requested only in order to provide	
n/a		
from your organization/business; re	cluded from the scope of your request (e.g. email correspondent of the scope of your possession, prior year(s) annual repositions.	
Waste Generator Registration -		andanaga: records originating
Polychlorinated Biphenyls (PCB	s) storage, transfer or destruction, Waste Generator Syste	
☐ No Supporting Documents ☐ Waste Management Systems - I	✓ All Supporting Documents ☐ Some Supporting Donaulers: sewage, non-hazardous & hazardous waste, mobile	
	sites, Transfer stations, Processing sites, Incinerator sites	- marke
Waste Water - Industrial dischar		
	er, Storm, Leachate & Lieachate Treatment & Sewage pur	np stations, Sanitary
storage, pumping stations (local	& booster), mains	
Air Emissions Approvals/Registr Water Approvals/Registrations -	Ontario Water Resources Commission, treatment, ground	level standnines & elevated
Noise Vibrations Approvals/Reg		
Permits to Take Water	inhandin on	

2146E (2022/10) Page 2 of 4

	Email Address *			
905-708-7299 ext.	pailey.fleet@pecg.ca			
Is there an alternate contact (e.g. office a	admin)? *			
Yes No				
Section 3 – Current Property Ac	Idress Information			
Is the property a:				
Park Lake First Nation E		I Island Unsurveyed Land		
Are you requesting information about mu ☐ Yes	Itiple addresses? *			
Property Address				
Unit Number Street Number	Street Name			
501	Harmony Road			
Full Lot Number	Concession	Geographic Township		
City/Town/Village *				
Corbyville				
Closest Intersection				
Harmony Road and Highway 37				
Section 4 – Previous Property A	Address Information			
	or historical addresses for this property/si	te for the time period of the records		
requested? *				
Yes No				
Section 5 – Owner Information				
Please provide all present and previous	property owner and/or tenant names for th	ne search years requested.		
Current Property Owner/Tenant				
501 Harmony Road				
Corbyville Owner Name		Data of Ownership (www.mm/dd)		
Black Bear Ridge Golf Course		Date of Ownership (yyyy/mm/dd)		
Tenant Name				
renant Name				
Section 6 – Supporting Docume	ents			
Please upload any documents (e.g. Map	s) that are relevant to your FOI request.			
The total size of all attachments must not be more than 8 MB.				
1. File Name				
site boundaries.jpg				

2146E (2022/10) Page 3 of 4

2146E (2022/10) Page 4 of 4

Payment confirmation number: 26298680



Appendix H TSSA Correspondence and Records



Bailey Fleet <bailey.fleet@pecg.ca>

Request - #2200902

Public Information Services <publicinformationservices@tssa.org> To: Bailey Fleet <bailey.fleet@pecg.ca>

Wed, Jun 7, 2023 at 1:16 PM

Hello

NO RECORD FOUND IN CURRENT DATABASE

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

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

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

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

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

Accessing the Service Prepayment Portal:

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

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

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

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

Kind regards,

Kimberly Gage | Public Information Agent



345 Carlingview Drive

Toronto, Ontario M9W 6N9

Tel: +1 416-734-3348 | Fax: +1 416-734-3568 | E-Mail: kgage@tssa.org



From: Bailey Fleet <bailey.fleet@p Sent: Wednesday, June 7, 2023 12:03 PM To: Public Information Services <publicinfor Subject: Request - #2200902

formationservices@tssa.org

Hello.

Please provide a search on the following locations and notify me of any records



Winner of 2022 5-Star Safety Cultures Award

- 501 Harmony Road, Corbyville, ON
- 516 Harmony Road, Corbyville, ON
- 1281 ON-37, Corbyville, ON

[CAUTION]: This email originated outside the organisation.

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

- 1121 ON-37, Corbyville, ON
- 1156 ON-37, Corbyville, ON
- 22 Ritz Road, Corbyville, ON

Thank you,

Environmental Scientist (B.Sc.Env.)

(she/her)

Error! Filename not specified.

| c (905) 708 7299 | e bailey.fleet@pecg.ca

Learn More:

www.pecg.ca

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

Appendix I List of PCAs (Schedule D (Table 2), O.Reg 153/04)

Ontario Regulation 153/04 Ta □e □

Pue la Cola la la Allines

l e 🗆	ACCIONI	1	Ie□	Accionio
1□			31□	
2□	od componed iR compiM compin mom		32□	moomed m modM coomed m recoomed
	ar====================================			
3□			33□	Mommroom comii comomii mimemed mimeme
		1 -	3□□	
		_	0	Name of the same o
			3□□	
			3□□	
			3□□	
	o oooMaaamanraaamraaaamaaada		3□□	
			J	
0 =		_	00-	
9□			39□	a awan M accumant wormtroecomounted worm
10□			□0□	ocamid cambaid mem eremid cambecomid cambed o
				a a a a a a a a a a a a a a a a a a a
11 🗆			□1 □	
10-		l _		
12□			□2□	aara aasamaMaasamanrmamad mraasamaa
13□	a aan amad maaan maan raaa aa a		□3□	o bouncar a mount of the contract of the contr
1 🗆				
1 🗆				a a minima and a managara and a mana
		-		
1□□				Romardamora
	Romano			
1 □□				RoooriMaaamanrmamad mraaaaamaa
1 🗆	omazimim oceromomirocaniro omicaned o			
10				oomoomard mand momeno comim recine
19□			□9□	
	Macamanrina	-		
20□	namamand ma a aamaMaaamar mam		□0□	a a a a a a a a a a a a a a a a a a a
21□				===== M ===============================
22□			□2□	
			_ _ _	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
00-				
23□			□3□	
2□□				namiManamar mamad mramaman
2□□	omanomod o			or noamra ariM noomanr mannr ann ann an an
2 🗆	0000 @cd @ coocd cd @ 000 fM 000@cmr @ 00			or non non non non non non non non non n
				10:000
0		_		
2□□				o command in around in ariil Mocconarinoo
	RomoraiMermon command manimoo			
]		
2□□				
				mand mamaera amraam aaamaed allinamed a
29□				
∠9⊔			□9□	
		4		amraaammraamd med mraaraad maad med aama
30□				