Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

Materials Testing

Building Science

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Phase I - Environmental Site Assessment

Cardinal Creek Village South Old Montreal Road Ottawa, Ontario

Prepared For

Tamarack Homes

May 20, 2022

Report: PE2392-4

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EXECUTIVE SUMMARY

Assessment

Paterson Group was commissioned by Tamarack Homes to conduct a Phase I – Environmental Site Assessment (Phase I ESA) for the proposed Cardinal Creek Village south subdivision lands, consisting of properties addressed at 1296 & 1400 Old Montreal Road, in Lots 25, 26, and 27, Concession 1, in the former Township of Cumberland, now the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the subject site and study area as well as to identify any environmental concerns with the potential to have impacted the subject site.

According to the historical research, the subject site has historically been vacant or used for agricultural purposes. No environmental concerns were identified with respect to the historical use of the subject site.

The neighbouring lands in the vicinity of the subject site have historically been used for residential or agricultural purposes, with the exception of some commercial/industrial buildings further west of the subject site, outside of the Phase I study area.

Following the historical review, a site inspection was conducted to assess the presentday environmental conditions of the subject site. The subject site is currently largely vacant with a rock crushing operation and associated rock and granular piles occupying the western portion of the site. This is blast rock produced on the northern portion of Cardinal Creek that is being crushed and reused in the development. No environmental concerns were identified with respect to the current use of the subject site.

The neighbouring lands within the vicinity of the subject site were generally observed to be agricultural or used for residential purposes. No environmental concerns were identified with respect to the surrounding properties.

Based on the findings of this assessment, it is our opinion that a Phase II - Environmental Site Assessment will not be required for the subject site.

1.0 INTRODUCTION

At the request of Tamarack Homes, Paterson Group (Paterson) conducted a Phase I – Environmental Site Assessment (Phase I ESA) for the proposed Cardinal Creek Village South Subdivision lands, in the City of Ottawa, Ontario. The development lands include properties addressed as 1296 & 1400 Old Montreal Road, in Lots 25, 26, and 27, Concession 1. The purpose of this Phase I ESA was to research the past and current use of the subject site and study area as well as to identify any environmental concerns with the potential to have impacted the subject site.

Paterson was engaged to conduct this Phase I ESA by Mr. Tim Lee of Tamarack Homes. Mr. Tim Lee can be reached by email at tim.lee@tamarackhomes.com.

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

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

2.0 PROPERTY INFORMATION

Address:	1296 & 1400 Old Montreal Road, Ottawa, Ontario.
Legal Description:	Part of Lots 25, 26, and 27, Concession 1, Formerly the Township of Cumberland, now in the City of Ottawa, Ontario.
Location:	The subject site is located on the south side of Old Montreal Road, just south of Cardinal Creek Drive and west of Cox County Road, in the City of Ottawa. Refer to Figure 1 – Key Plan for the site location.
Latitude and Longitude:	45° 29' 55.7772" N, 75° 27' 34.3404" W
Site Description:	
Configuration:	Irregular.
Configuration: Site Area:	Irregular. Approximately 98 ha.
Configuration: Site Area: Zoning:	Irregular. Approximately 98 ha. RU (Rural) & RI15 Rural Institutional Zone
Configuration: Site Area: Zoning: Current Uses:	Irregular. Approximately 98 ha. RU (Rural) & RI15 Rural Institutional Zone The subject site is currently vacant and used for agricultural purposes.

3.0 SCOPE OF INVESTIGATION

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

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

4.0 RECORDS REVIEW

4.1 General

Phase I ESA Study Area Determination

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

First Developed Use Determination

Based on a review of aerial photographs, the property has never been developed.

City of Ottawa Street Directories

Due to COVID restrictions and limited access, the City Directories are currently not available for the subject site and surrounding properties.

Fire Insurance Plans

Fire Insurance Plans (FIPs) are not available for the subject site or neighbouring properties.

Chain of Title

Based on the available historical data and the fact the land has never been developed, the chain of title was not requested since it is not expected to return any information that would have a material affect on our findings.

4.2 Environmental Source Information

National Pollutant Release Inventory

A search of the National Pollutant Release Inventory (NPRI) was conducted as part of this assessment. No records of any pollutant releases were identified for the subject site or for any properties situated within the Phase I study area.

PCB Waste Storage Site Inventory

A search of the national PCB waste storage site inventory was conducted as part of this assessment. According to the database, no PCB waste storage sites are located within 250m of the vicinity of the subject property.

MECP Waste Disposal Site Inventory

The Ontario Ministry of Environment, Conservation and Parks document entitled, *"Waste Disposal Site Inventory in Ontario, 1991"* was reviewed as part of this assessment. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants, and coal tar distillation plants situated in the Province of Ontario. A review of this document did not identify any relevant records pertaining to the subject site or for properties located within the Phase I study area.

MECP Coal Gasification Plant Inventory

The Ontario Ministry of Environment, Conservation and Parks document entitled, *"Municipal Coal Gasification Plant Site Inventory, 1991"* was reviewed as part of this assessment. This document provides a reference to the locations of former plants with respect to the subject site. A review of this document did not identify any former coal gasification plants located on the subject site or within the Phase I study area.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry was conducted as part of this assessment. No Records of Site Condition (RSCs) were identified in the database has having been filed for any properties within the Phase I study area.

MECP Instruments

A request was submitted to the MECP Freedom of Information office for information with respect to certificates of approval, permits to take water, certificates of property use, or any other similar MECP issued instruments for the subject site. A response from the MECP indicated that no records were found within the study area.

MECP Submissions

A request was submitted to the MECP Freedom of Information office for information with respect to reports related to environmental conditions for the subject site. A response from the MECP indicated that no records were found within the study area.

MECP Waste Management Records

A request was submitted to the MECP Freedom of Information office for information with respect to waste management records for the subject site. A response from the MECP indicated that no records were found within the study area.

MECP Incident Reports

A request was submitted to the MECP Freedom of Information office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants, or inspections maintained by the MECP for the subject site or neighbouring properties. A response from the MECP indicated that no records were found within the study area.

Areas of Natural Significance

A search for areas of natural and scientific interest situated within the Phase I study area was conducted electronically via the Ontario Ministry of Natural Resources and Forestry (OMNRF) website. The search did not identify any natural features of areas of natural significance within the Phase I study area.

Technical Standards and Safety Authority (TSSA)

The TSSA Fuels Safety Branch in Toronto was contacted electronically, as part of this assessment, to inquire about current and former underground fuel storage tanks, spills, and historical incidents for the subject site and neighbouring properties.

The response from the TSSA indicated that no records were identified pertaining to the subject site or the neighbouring properties. A copy of the correspondence with the TSSA is included in Appendix 2.

City of Ottawa Old Landfill Sites

The document prepared by Golder Associates entitled, "Old Landfill Management Strategy, Phase I - Identification of Sites, City of Ottawa", was reviewed as part of this assessment. No former landfill sites were identified on the subject site or within the Phase I study area.

City of Ottawa Historical Land Use Inventory (HLUI) Database

As part of this assessment, a requisition form was submitted to the City of Ottawa to request information from the City's Historical Land Use Inventory (HLUI)

database for any environmental records pertaining to the subject site as well as any properties situated within the Phase I study area.

A response from the City was received in December 2021 after the issuance of this report. The HLUI Response did not indicate any records on the subject site. As for the surrounding properties, an unnamed landfill was identified approximately 240m west of the subject site. Due to its distance away, this property does not pose a potential environmental concern to the subject site. A copy of the response has been included in Appendix 2.

ERIS Database Report

A database report, prepared by ERIS (Environmental Risk Information Services) Ltd., dated August 4, 2021, was acquired and reviewed as part of this assessment. The complete ERIS report has been included in Appendix 2.

□ On-Site Records:

The ERIS report Identified eight (8) on-site records. One (1) certificate of approval, a borehole, an environmental compliance approval, an ERIS historical search and four (4) water wells. None of the records found pose an environmental risk to the subject site.

□ Off-Site Records:

The ERIS report identified forty-eight (48) records pertaining to properties located within a 250 m radius of the subject site. The off-site records identified in the ERIS report are listed for properties which are situated at a significant distance away, or are situated in a down-gradient or cross-gradient orientation, with respect to the subject site, and thus are not considered to pose an environmental concern.

Previous Engineering Reports

'Phase I Environmental Site Assessment, Proposed Cardinal Creek Village Subdivision Lands, Old Montreal Road, Ottawa (Cumberland), Ontario', prepared by Paterson Group, dated November 13, 2013.

The original Phase I ESA (PE2392-3) was completed for a much larger tract of land than the current Phase I Property. Based on the findings of the Phase I ESA, no past or current environmental concerns were identified on the subject site. Two (2) off-site potentially contaminating activities (PCAs) were noted; however, based on their respective distances from the site, these PCAs did represent areas of

potential environmental concern (APECs). A Phase II ESA was not recommended for the property.

Geotechnical investigations were conducted by Paterson in 2012, 2013, 2014, and 2021 for the current site. No signs of environmental contamination or deleterious fill material were observed throughout the course of the subsurface investigations.

4.3 Physical Setting Sources

Aerial Photographs

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

- 1949 The subject site and adjacent properties are vacant cleared lands and appear to be used for agricultural purposes. Old Montreal Road and Cox Country Road are present north and east of the subject site. Two farmsteads can be seen within the immediate vicinity of the subject site. Farmsteads are present west and east of the subject site, along Old Montreal Road
- 1958 *(City of Ottawa Website)* No significant changes are apparent with respect to the subject and surrounding properties.
- 1976 *(City of Ottawa Website)* No significant changes are apparent with respect to the subject property. Multiple farmsteads have been developed west and east of the subject site, on the north and south sides of Old Montreal Road. Residential dwellings have also been constructed south of the subject site, at the Cox County Road and Wilhaven Road intersection. What appears to be a greenhouse business has been constructed northwest of the subject site, across Old Montreal Road. A laneway and possible residential structure are present north of the greenhouse business.
- 1991 (*City of Ottawa Website*) No significant changes are apparent with respect to the subject property. Residential dwellings have been constructed northeast and east of the subject site, across Old Montreal and Cox Country Roads.
- 2002 *(City of Ottawa Website)* No significant changes are apparent with respect to the subject property. What appears to be a communications tower is present at 1208 Old Montreal Road, west of the subject site. A

residential dwelling has been constructed north of the subject site, at the Old Montreal and Cox Country Roads intersection. Additional greenhouses have been constructed northwest of the subject site. Additions have been made to the farmstead further south of the subject site.

- 2011 (City of Ottawa Website) No significant changes are apparent with respect to the subject site. A building has been constructed west of the subject site, on the north side of Old Montreal Road. A residential building has been constructed immediately to the west of the subject site.
- 2019 *(City of Ottawa Website)* The site is now occupied by blast rock piles from Cardinal Creek north. Famillie-Laporte Avenue is now present north of the subject site. Residential dwellings have been constructed north, northwest, and southwest of the subject site.

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

Geological Maps

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was reviewed as part of this assessment. Based on the available information, the bedrock in the area of the subject site consists of limestone of the Bobcaygeon formation, whereas the surficial geology consists of Paleozoic bedrock, with an overburden thickness ranging from approximately 0 to 15m.

Topographic Maps

A topographic map was reviewed from the Natural Resources Canada – The Atlas of Canada website as part of this assessment. The regional topography in the general area of the subject site slopes down towards the northwest, in the direction of the Ottawa River. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

Physiographic Maps

A physiographic map was reviewed from the Natural Resources Canada – The Atlas of Canada website, as a part of this assessment. According to the publication and mapping information, the subject site is situated within the St. Lawrence Lowlands. According to the description provided: *"The lowlands are plain-like areas that were affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets."* The subject

site is specifically located within the Central St. Lawrence Lowland area, which is rarely more than 150 m above sea level.

Water Bodies

The Ottawa River is located approximately 1km north of the subject property. Cardinal Creek runs north to the Ottawa River to the west of the site.

MECP Water Well Records

A search of the MECPs website for all drilled well records within a 250 m radius of the subject site was conducted as part of this assessment. The search identified four (4) well records onsite and sixteen (16) well records within the Phase I study area. These records pertain to wells installed from 1952 to 2012 and used for water supply, domestic potable wells and monitoring purposes.

According to the well records, the overburden stratigraphy in the area of the subject site generally consists of clay, gravel and boulders. Bedrock, consisting of limestone, was typically encountered at a depth of approximately 3m to 25m below ground surface. A copy of the aforementioned well records has been included in Appendix 2.

5.0 INTERVIEWS

Property Owner Representative

Mr. Tim Lee, a representative of the property owner, was interviewed by email as part of this assessment. Mr. Lee indicated that a rock crushing operation was present on-site, however, the operation consisted of crushing rock excavated from the initial phase of Cardinal Creek and re-using it within the development. This activity, which was completed by the client's forces is not considered to be a commercial or industrial use, but rather a construction operation solely attributable to the development of the land. As a result, this activity does not have a bearing on the land use classification. Mr. Lee was unaware of any potential environmental concerns regarding the Phase I Property.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

An inspection was conducted for the subject site on August 9, 2021, between 1:00 PM and 2:00 PM. Weather conditions were cloudy, with a temperature of approximately 30°C. Mr. Mohammed Ramadan, from the Environmental

Department of Paterson Group, conducted the inspection. In addition to the subject site, the uses of neighbouring properties within the Phase I study area were also assessed at the time of the site inspection.

6.2 Site Inspection Observations

Site Description

The subject site is largely vacant with the exception of a blast rock crushing operation and associated rock and gravel piles. The remainder of the property consists of light vegetation and trees.

The site and regional topography appear to slope down to the northwest, in the direction of Ottawa River.

Water drainage on the subject site occurs primarily via infiltration throughout the property. No ponded water, stressed vegetation, surficial staining, or any other indications of potential sub-surface contamination were observed on the subject site at time of the site inspection.

A depiction of the subject site is illustrated on Drawing PE2392-5 – Site Plan, in the Figures section of this report.

Potential Environmental Concerns

Transformer Oil and Polychlorinated Biphenyls (PCBs)

No concerns were identified with respect to PCBs or transformer oil on the subject site.

Hazardous Materials and Unidentified Substances

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

□ Fuels and Chemical Storage

No chemical storage areas, vent and fill pipes, above ground storage tanks (ASTs), or signs of underground storage tanks (USTs) were observed on the exterior of the subject site at the time of the site inspection.

□ Waste Management

No environmental concerns were identified with respect to waste management practices on the subject site.

Neighbouring Properties

Land use adjacent to the subject site was observed as follows:

- *North:* Old Montreal Road, followed by vacant lands and residential dwellings;
- *South:* Vacant/agricultural lands;
- *East:* Cox Country Road, followed by residential dwellings;
- *West:* Residential dwellings.

Current land use and potentially contaminating activities in the Phase I Study Area are illustrated Drawing PE2392-6 – Surrounding Land Use Plan, appended to this report.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

Based on a review of aerial photographs, the property has never been developed.

Potentially Contaminating Activities (PCAs)

No potentially contaminating activities were identified on the subject site or within the Phase I study area.

Areas of Potential Environmental Concern (APECs)

No areas of potential environmental concern were identified on the subject site.

Contaminants of Potential Concern (CPCs)

No contaminants of potential concern were identified on the subject site.

7.2 Conceptual Site Model

Water Bodies

The Ottawa River is located approximately 1km north of the subject property. Cardinal Creek runs north to the Ottawa River to the west of the site.

Geological and Hydrogeological Setting

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was reviewed as part of this assessment. Based on the available information, the bedrock in the area of the subject site consists of limestone of the Bobcaygeon formation, whereas the surficial geology consists of Paleozoic bedrock, with an overburden thickness ranging from approximately 0 to 15m.

Groundwater is anticipated to flow in a northwestern direction.

Areas of Natural Significance

No areas of natural significance were identified on the subject site or within the Phase I study area.

Drinking Water Wells

A search of the MECPs website for all drilled well records within a 250 m radius of the subject site was conducted as part of this assessment. The search identified four (4) well records onsite and sixteen (16) well records within the Phase I study area. These records pertain to wells installed from 1952 to 2012 and used for water supply, domestic potable wells and monitoring purposes.

Neighbouring Land Use

Neighbouring land use within the Phase I study area consists mainly of residential dwellings and agricultural lands.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1, no potentially contaminating activities (PCAs) resulting in areas of potential environmental concern (APECs) were identified with respect to the subject site or within the Phase I study area.

Contaminants of Potential Concern

No contaminants of potential concern were identified on the subject site.

Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of this Phase I ESA is considered to be sufficient to conclude that there are no PCAs or APECs associated with the subject site. The absence of any PCAs was confirmed by a variety of independent sources, and as such, the conclusions of this report are not



affected by uncertainty which may be present with respect to the individual sources.

8.0 CONCLUSION

8.1 Assessment

Paterson Group was commissioned by Tamarack Homes to conduct a Phase I – Environmental Site Assessment (Phase I ESA) for the proposed Cardinal Creek Village south subdivision lands, consisting of properties addressed at 1296 & 1400 Old Montreal Road, in Lots 25, 26, and 27, Concession 1, in the former Township of Cumberland, now the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the subject site and study area as well as to identify any environmental concerns with the potential to have impacted the subject site.

According to the historical research, the subject site has historically been vacant or used for agricultural purposes. No environmental concerns were identified with respect to the historical use of the subject site.

The neighbouring lands in the vicinity of the subject site have historically been used for residential or agricultural purposes, with the exception of some commercial/industrial buildings further west of the subject site, outside of the Phase I study area.

Following the historical review, a site inspection was conducted to assess the present-day environmental conditions of the subject site. The subject site is currently largely vacant with a rock crushing operation and associated rock and granular piles occupying the western portion of the site. This is blast rock produced on the northern portion of Cardinal Creek that is being crushed and reused in the development. No environmental concerns were identified with respect to the current use of the subject site.

The neighbouring lands within the vicinity of the subject site were generally observed to be agricultural or used for residential purposes. No environmental concerns were identified with respect to the surrounding properties.

Based on the findings of this assessment, it is our opinion that **a Phase II -**Environmental Site Assessment will not be required for the subject site.

9.0 STATEMENT OF LIMITATIONS

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

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

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

Paterson Group Inc.

Mohammed Ramadan, B.Sc.

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Mark S. D'Arcy, P.Eng., QP_{ESA}

Report Distribution:

- Tamarack Homes.
- Paterson Group Inc.



10.0 REFERENCES

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Federal Records

- □ Natural Resources Canada: Air Photo Library.
- □ Natural Resources Canada: The Atlas of Canada.
- Geological Survey of Canada: Surficial and Subsurface Mapping.
- D Environment Canada: National Pollutant Release Inventory.
- □ National PCB Waste Storage Site Inventory.
- □ National Archives of Canada.

North Bay

Provincial Records

- MECP: Freedom of Information and Privacy Office.
- D MECP: Municipal Coal Gasification Plant Site Inventory, 1991.
- □ MECP: Waste Disposal Site Inventory, 1991.
- □ MECP: Brownfields Environmental Site Registry.
- □ MECP: Water Well Inventory.
- □ Office of Technical Standards and Safety Authority, Fuels Safety Branch.
- □ Ministry of Natural Resources and Forestry Areas of Natural Significance.
- □ Chapman, L.J., and Putnam, D.F., 1984: 'The Physiography of Southern Ontario, Third Edition', Ontario Geological Survey Special Volume 2.

Municipal Records

- **City of Ottawa: eMap website.**
- **City of Ottawa: Historical Land Use Inventory Database**
- City of Ottawa: document entitled, "Old Landfill Management Strategy, Phase I – Identification of Sites", prepared by Golder Associates, 2004.

Local Information Sources

Personal Interviews.

Public Information Sources

- **ERIS** Database Report.
- Google Earth.
- □ Google Maps/Street View.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE2392-5 – SITE PLAN

DRAWING PE2392-6 – SURROUNDING LAND USE PLAN



FIGURE 1 KEY PLAN

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FIGURE 2 TOPOGRAPHIC MAP

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autocad drawings\environmental\pe23xx\pe2392\2021\pe2392-6 site plan.d

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patersongroup	TAGGART HOMES PHASE I - ENVIRONMENTAL SITE ASSESSMENT	Scale: 1:10000 Drawn by:	Date: 08/2021 Report No.:
consulting engineers 154 Colonnade Road South Ottawa, Ontario K2E 7J5 Tel: (613) 226-6344	CARDINAL CREEK VILLAGE - SOUTH SUBDIVISION CUMBERLAND, Title: SURROUNDING LAND USE PLAN	JM Checked by: MR Approved by:	PE2392-4 Dwg. No.: PE2392-7

APPENDIX 1

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS



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Site Photographs

PE2392

Proposed Cardinal Creek Village Subdivision Lands, Ottawa, Ontario August 9, 2021



Photograph 1: View of the eastern portion of the subject site, facing west.



Photograph 2: View of the southern portion of the subject site, facing northwest.

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APPENDIX 2

MECP FREEDOM OF INFORMATION RESPONSE

MECP WATER WELL RECORDS

TSSA CORRESPONDENCE

CITY OF OTTAWA HLUI RESPONSE

ERIS DATABASE REPORT

Ministry of the Environment, Conservation and Parks

Access and Privacy Office

40 St. Clair Avenue West

Toronto ON M4V 1M2

Tel: (416) 314-4075

Fax: (416) 314-4285

12th Floor

Ministère de l'Environnement, de la Protection de la nature et des Parcs

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

12° étage 40, avenue St. Clair ouest Toronto ON M4V 1M2 Tél. : (416) 314-4075 Téléc.: (416) 314-4285



May 19, 2022

Mohammed Ramadan Paterson Group Inc. 154 Colonnade Road Ottawa, ON K2E 7J5

Dear Mohammed Ramadan:

RE: *Freedom of Information and Protection of Privacy Act* Request Our File #: A-2021-05530, Your Reference #: PE 2392

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to Lot 25 & 26 Concession 1 and Lot 27 Concession 9, Old Montreal Road, Ottawa.

After a thorough search of the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, records were located in response to your request. It is my decision to provide full access to the attached information.

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a \$25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Liz Mico at 647-449-7764 or liz.mico@ontario.ca.

Yours truly,

Ryan Gunn Manager (A), Access and Privacy Office

Attachments

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41 WA	ATER RECORD	S1 CASING 8	S OPEN HOLE	RECORD	SIZE(S) OF OPENING (SLOT NO.)	31-33 DIAMETER 3	4-38 LENGTH 3
AT- FEET	KIND OF WATER	INSIDE DIAM. MATERIAL INCHES	WALL THICKNESS INCHES FR	DEPTH - FEET	MATERIAL AND TYPE	DEPTH TO OF SCREE	TOP 41-44
()212 ¹⁰⁻¹³	FRESH 3 SULPHUR SALTY 4 MINERAL	10-11 STEEL	D ¹² 250	0 235-16			FELT
15-18 1	FRESH ³ SULPHUR SALTY MINERAL	3 ☐ CONGRETE 4 ☐ OPEN HOLE 17-18 1 □ STEEL	E	20-23	DEPTH SET AT - FEET	MATERIAL AND TYPE	(CEMENT GROUT.
20-23 1 2	FRESH 3 SULPHUR 24 SALIY 4 MINERAL	2 🗍 GALVANIZE 3 🗌 CONCRETE	ED	0210	10-13 14-17		
25-28 1 2	FRESH 3 SULPHUR SALTY 4 MINERAL	24-25 1 🛄 STEEL 2 🗍 GALVANIZE	26 FD	27-30	18-21 22-25		
30-33 1 2	G FRESH 3 SULPHUR 34	.80 3 □ CONCRETE 4 □ OPEN HOLI	E		26-29 30-33	80	
PUMPING TEST M	METHOD 10 PUMPING R	ATE 11-14 DURATION O	15-16 00 17-18		LOCATION	OF WELL	
	A 2 BAILER DOO	6 GPM 02	HOURS UN MINS	IN DIA LOT LI	IGRAM BELOW SHOW DISTAN	NCES OF WELL FROM R Y ARROW.	OAD AND
	-21 22-24 15 MINUT	ES 30 MINUTES 45 MINU 26-28 29-31	JTES 60 MINUTES 32-34 35-37				X
	EET 930 -FEET 120 38-41 PUMP INTA	FEET 158 EET 160	FEET 160 FEET				12
	GPM.		EAR 2 CLOUDY		. 4	A	G
	OW DEEP SETTING		006 gpm.		24	1	,
50-53	00-f • 0 GPM./FT. 1	SPECIFIC CAPACITY				350,60	
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OF WELL	4 RECHARGE WEL			-	1	OLD	17
WATER	STOCK 3 IRRIGATION	6 D MUNICIPAL 7 D PUBLIC SUPPLY				¥ f	· /
USE		8 COOLING OR AIR CO	ONDITIONING NOT USED				
		6 🗍 BORIN	NG]	11		
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	4 C RECHARGE WELL 5-54 1 C KDOMESTIC	S COMMERCIAL					nan anala		ø	
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METHOD OF DRILLING	CONTRACTOR CONTRA	A Drilling Ltd.	LICENCE NUMB	er 4	DRILLERS REMAR	RKS: 58 ECTION	CONTRACTOR 59-62 1504 INSPECTOR	2:3:0	175	63-61
METHOD OF DRILLING WOD ADDRESS R. E. NAME OF DRILL	CONTRACTOR arbonneau & Son 2, Box 194, Or LER OR BORER	A Drilling Ltd.	LICENCE NUMB 150 150 150 LICENCE NUMB	ER 4	DRILLERS REMAR	ECTION	CONTRACTOR 59-62 1504 INSPECTOR	2 30	175	63-66 D {
METHOD OF DRILLING WODD Address R. E. NAME OF DRILL	CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR	A Drilling Ltd. Cléans, Ont. Ko	LICENCE NUMB	ER 4	DRILLERS REMAR	ECTION	CONTRACTOR 59-62 1504 INSPECTOR	2.3.0	175	•3.••

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TY OR DISTRICT		TOWNSHIP, BOROUGH, CITY, T	OWN. VILLAGE	<u> </u>	CON . BLOCK. 1	RACT. SURVEY ETC	1	
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IF FLOWING. GIVE RATE	38-41 PUMP INTAKE SET A	AT WATER AT END O	2 CLOUDY					
RECOMMENDED PUMP TYPE	CPM RECOMMENDED PUMP DEEP SETTING	43-45 RECOMMENDED PUNPING FEET RATE	46-49 GPM			150' 15		
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			ENCE NUMBER	DATA	58 CONTRAC	TOR 59-62 DATE	····	84
NAME OF WELL CONTR/	ACTOR		a rah	SOURCE	15	0L	TVU	$\sim -$
NAME OF WELL CONTRA G. Sharbo Address	nneau+Son D	brilling Ltd	1504	DATE OF INSPEC	(5	INSPECTOR	100	<u> </u>
NAME OF WELL CONTRA G. Eharbo ADDRESS R.R. 2. B NAME OF DRILLER OR DOTTOR	nneau+Son D ox. 194, Orl	brilling Ltd	1504 10 104 EENCE NUMBER	D REMARKS	TION (5			<u> </u>

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	м 10 12 LC	G OF OVERBURDEN	AND BEDRO	26 DCK MATERIA	30 LS (SEE IN	31 STRUCTIONS)			
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41 W	ATER RECORD	51 CASING &	OPEN HOLE	A3 RECORD		4) OF OPENING 3 NO)	1-33 DIAMETER	34-38 L	73
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71 PUMPING TEST N	AETHOD 10 PUMPING RAT	E 11-14 DURATION OF PI	UMPING		L	OCATION O	FWELL		
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GIVE RATE	38-41 PUMP INTAKE	225 FEET 1 □ CLEAR	A 2 CLOUDY	∏ \$>		X	¥		e l
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OF DRILLIN	G 3 C ROTARY ARTIS	E) B D JETTING 9 D DRIVING	1	DRILLERS REMAR	rks	-			1
NAME OF WEI	LL CONTRACTOR	Har Dour	ICENCE NUMBER		54 00	2721 59-62	DATE ZEIV	10	85
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Ministry of the	T	ne Ontario Water Resources Ac	:t
Ontario Environment	WATER	R WELL RE	ECORD
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	JRDEN AND BEDROCK MATE	RIALS (SEE INSTRUCTIONS)	
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BROWN HARD PAN			0 19
BLUE SHALE			19 222
31 4444			
41 WATER RECORD 51 CASIN	G & OPEN HOLE RECORD	Z SIZE (S) OF OPENING 31-33 DIAM	ETER 34-38 LENGTH 39-40
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WATER 3 IRRIGATION 7 PUBLIC SUPPLY	KEN	A JONQUILLE S	57
	CONDITIONING NOT USED	100 Aug	
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			37591
NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S DATA	SE CONTRACTOR S9-62 BATE BECEIVER	
BO GENIER WELL DRILLING	235/	2351 MAY	0 8 1989
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OWNER (SURNAME FIR	Carleton (ST) 28-47	ADDRESS	· · · · · · · · · · · · · · · · · · ·	10,5	DATE COM	PLETED	Pt-25
BELLEVUE	CONSTRUCTION	Cumberland, Or	t. (Fies		DAY_2()мо07	<u> </u>
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41 WAT		51 CASING & OPEN HOLE	RECORD	Z SIZE (S) OF OPENING (SLOT NO.)	31-33 DIAME	TER 34-34	75 80 LENGTH 39-40
WATER FOUND AT - FEET	KIND OF WATER	INSIDE DIAM MATERIAL THICKNESS INCHES	/DEPTH - FEET	MATERIAL AND TYPE		INCHES DEPTH TO TOP OF SCREEN	FEET 41-44 30
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	22-24 15 MINUTES 26-28	30 MINUTES 45 MINUTES 60 MINUTES 20-31 31-34 35-3:					T
S IOU FEET	4.35 FEET 145 FEET 30-41 PUMP INTAKE SET	AT WATER AT END OF TEST 44					E.
	GPM GPM RECOMMENDED	43-45 RECOMMENDED 46-45		well			16
SHALLOW	DEEP SETTING	235 FEET RATE 6 GPM		• ^			
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WATER USE	3 IRRIGATION 4 INDUSTRIAL	D PUBLIC SUPPLY COOLING OR AIR CONDITIONING					
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METHOD OF	2 ROTARY (CONVENTIO 3 ROTARY (REVERSE)	NAL) 7 🗍 DIAMOND I 🗍 JETTING				ż	
CUNSTRUCTIC	JN 4 LI ROTARY (AIR) 5 AIR PERCUSSION	9 ∐ DRIVING □ DIGGING □ OTHER	DRILLERS REMARK	(S:		178	10
NAME OF WELL	CONTRACTOR	Well CONTRACTOR'S LICENCE NUMBER		54 CONTRACTOR 59		2 0 1020	63-68 80
	Boy 104 0-14				<u></u>	_ <u>r_u</u> :1303	pl
NAME OF WELL	L TECHNICIAN	UID VIID ALOITI Well technician's Licence number		<u>_</u>	· · ·		
O SIGNATURE OF	TECHNICIAN/CONTRACTOR		OFFIC		х г		بىنىمىرورس ب
MINISTRY		DAY 20 HO 07 YR89			FC	C S IRM NO. 0506 (1	5, ES 1/86) FORM 9

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Contario	istry he fronment	SPACES PROVIDED		The O ER 1 52766	antario Water Re WELL 3	sources Act RE	CO	RD
COUNTY OR DISTRICT	2. CHECK 🗵 CORF	TOWNSHIP, BORDUGH, CITY T	OWN VILLAGE		CON BLOCK PRACT	SURVEY ETC		22 23 74 01 25-27
		mb	erla	md	arbu			241
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	M 10 12		24 25	26				
	L		ND BEDROC	K MATERIA	LS (SEE INSTRUCTIONS		DEPTH -	FEET
GENERAL COLOUR	COMMON MATERIAL				GENERAL DESCRIPT		FROM	
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PIGCK	2hais		· · · · · · · · · · · · · · · · · · ·		prava	<u> </u>		109
			· · · · · · · · · · · · · · · · · · ·					
6								
31								
41 WA	ATER RECORD	51 CASING & O		ECORD	SIZE(S) OF OPENING (SLOT NO)	31-33 DIAM	INCHES	FEET
AT - FEET	RESH 3 SULPHUR	DIAM MATERIAL INCHES	THICKNESS INCHES FRU	M 70 13-16	S MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN	41-44 30 FEET
165 2	G SALTY 6 GAS	6 21 4 DOPEN HOLE	1.89 0	144	[61] PLU	GGING & SEA	LING RECO	RD
20-23 1	$\Box SALTY = G \Box GAS$ $\Box FRESH = 3 \Box SULPHUR = 24$	10-10 10-10 1 DSTEEL 2 DGALVANIZED		20-23	DEPTH SET AT - FEET FROM 10	MATERIAL AN	D TYPE LEAD PA	NT GROUT CKER. ETC)
2 25-28 1	□ SALTY 6 □ GAS □ FRESH 3 □ SULPHUR 29	6 8 3 CONCRETE 4 COPEN HOLE 5 D PLASTIC	77	/ 180	0 10-13 4 47	" am	m P	ream
2 30-33	□ SALTY 6 □ GAS	24-25 26 1 □ STEEL 2 □ GALVANIZED 3 □ CONCRETE		27-30	26-29 30-	25 33 40	non	
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71	2 BAILER	GPM IS-16	17-18 NINS		LOCATIO	ON OF WEL	- L	
STATIC LEVEL	WATER LEVEL END OF PUNPING	LEVELS DURING	UMPING ECOVERY	LOT L	AGRAM BELOW SHOW DI INE INDICATE NORT	STANCES OF WELL H BY ARROW.	FROM ROAD A	ND
	170 8 7	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	17 0 FEET		2	· •		
IF FLOWING GIVE RATE	38-41 PUMP INTAKI		TEST 42		worth			
	GPM PUNP TYPE RECOMMENDI PUMP	ED 43-45 RECOMMENDED	46-49		$\hat{\mathbf{O}}$			• •
50-53		6 0 FEET RATE	GPM	6.	1'	M .	90'	
FINAL	54 I WATER SUPPLY	S ABANDONED, INSUFF	ICIENT SUPPLY		1	18-	<u> </u>)
STATUS OF WELL	3 🗍 TEST HOLE 4 🗍 RECHARGE WELL	7 🗍 UNFINISHED D DEWATERING				Š	12	50
	55-56 1 DOMESTIC 2 STOCK	S COMMERCIAL S MUNICIPAL				5		
USE	3 IRRIGATION 4 INDUSTRIAL	7 D PUBLIC SUPPLY 9 COOLING OR AIR CONDIT 9 NOT	IONING .			9	10	
	57 1 CABLE TOOL	• BORING		TO	nquit	te to	very	
METHOD OF	2 CROTARY (CONVEL 3 DV ROTARY (REVERS	NTIONAL) 7 □ DIAMOND SE) ■ □ JETTING			0		0.	
CONSTRUCT	ION 4 C ROTARY (AIR) 5 AIR PERCUSSION			DRILLERS REMAR	K5-		139	9136
CE NAME OF WEL	L CONTRACTOR	G has) S UICEN	CONTRACTOR'S		SE CONTRACTOR	A DATE RECEIVE	0 1 199	63-64 80
	L 1 / hl	to mot	· 7		ECTION	ECTOR		
VAL NAME OF WI	ELL TECHNICIAN	WELL LICEN	TECHNICIAN'S CE NUMBER				8	
SIGNTURE C	71 - W-	SUBMISSION DATE	DL Fra	DFFIC				-
	OF THE ENVIRON	MENT COPY	YR.[[]	0		F	ORM NO. 0506 (1	1/86) FORM 9

Minis of the	stry e		The Ontario Water Resources Act					
Contario	TONMENT I. PRINT ONLY IN S 2. CHECK 🖾 CORR	SPACES PROVIDED ECT BOX WHERE APPLICABLE	7663 <u>31007</u>	nv nd finda volati				
COUNTY OR DISTRICT	a Capist.	TOWNSHIP, BOROUGH CITY, TOWN VILLAGE MCCCMberlan ADDRESS	CON BLOCK MAR	DATE COMPLETED				
21	ZONE EASTING U T M 10 12		EVATION RC BASIN CODE					
	MOST	OF OVERBURDEN AND BEDRUCK N OTHER MATERIALS	GENERAL DESCRIP	TION FROM TO				
brown black	CONNON MATERIAL Fill Shale	bouldung	Hand	10 12 12 180				
		· · · · · · · · · · · · · · · · · · ·						



🗑 Onta	Ario Ministry of the Environment			The On W	ntario Water ATER WE	<i>Resourc</i> ELL REC	es Ac ORD
Print only in space Mark correct box v	es provided. with a checkmark, where applica	able. [11]	1532	6 33		Con. F 1.1.1.1.1.1	22 23 24
County or District	· Carloton	Address	y/Town/Village		block tract sum	rey, etc. Lot	25-27
21	T I I	Northing	PQUOIT RC EI	evation RC Bas	in Code ii	day mo	nth year iv
2		2 2 17 18 18 18 18 18 18 18 18 18 18		see instructions)			47
General colour	Most common material	Other materials		General descri	ption	Depth -	feet
Brown	Clay	Bould	ev	600	<u>с</u> р	0	<u> </u>
arcy -	himestone			Hard	l:	5	195
l							
2	╶╾╾╾╾╴╸╸╸╸╸╸╸╸╸╸╸	┷┻╝┖┸ ┈┙╵╵╻╻╻	┶┚╘ _{┉┙╍} ╸╻╷╷╷╷╷╷╷╷╷╷╷				
10 14 11 1 WATER	RECORD 51	CASING & OPEN HOLE	RECORD	Sizes of opening	31-33 Diamete	r ³⁴⁻³⁸ Length	75 B
- feet	Kind of water	Wali Material thickness inches	Depth - feet From To			inches	feet
50 205	Fresh 3 G Supplui 14 10-11 Salty 6 G Gas	1 D Steel 12 2 Galvanized 3 Concrete	13-16			Depth at top of s	creen 30 41-44
15-18 1 🗆 F 2 🗋 S	Fresh ³ □ Sulphur ¹⁹ 4 □ Minerals Salty ⁶ □ Gas	4 Open hole 5 Plastic	0 70	61 PLUG	GING & SEAL IN	G RECORD	
20-23 1 □ F	Fresh 3 🗌 Sulphur 24 Salty 4 🔲 Minerals	1 🗆 Steel 19 2 🗆 Galvanized 3 🗆 Concrete	20-23	Depth set at - feet	r space	Abandonment	
25-28 1 🗆 F	Fresh 3 🗆 Sulphur 29	4 Open hole 5 Plastic	10 115	From To	Material and type (C	ement grout, bento	nite, etc.)
² □ S ³⁰⁻³³ 1 □ F	Salty 6 Gas 24-25 resh 3 Sulphur 34 60	1 Steel 26 2 Galvanized 3 Concrete	27-30	18-21 22-25	('0	the 30	U U
2 🗆 S	Alty 6 □ Gas	4 Open hole 5 Open hole		26-29 30-33	80		
Pumping test meth	Poilor 10 Pumping rate 11-1	4 Duration of pumping		LOCATIO			·
Static level Wate	er level 25 of pumping 25 Water levels during 1	Pumping 2 Precovery	In diagram	m below show distar	nces of well from	road and lot lir	ie. A
9-21	22-24 15 minutes 30 minutes 5 1 26-28 29-3 1 29-3 1 29-3	45 minutes 32-34 60 minutes 35-37					1
feet	feet feet feet fe	et feet feet 42		()		$c \mid$	
Recommended pum	GPM 195 fee	et Clear Cloudy		<u>40</u>	18 PM	St	ange at a taken a
Shallow	Deep pump setting /90 fee	pump rate GPM					
NAL STATUS C	OF WELL 54						·
1 Water supply 2 Observation v	 ⁵ Abandoned, insufficient ⁶ Abandoned, poor quality 	supply ⁹ Unfinished ¹⁰ Replacement well		5-15-1			
⁴ Recharge wel	II 8 Dewatering		S S				
	55-56 5 🗌 Commercial	9 🗋 Not use			Ť.		
2 Stock 3 Irrigation 4 Industrial	6	10 🗋 Other	In.		K)	
		3	1 1 1		ſ		
¹ Cable tool ² Rotary (conve	⁵ Air percussion entional) ⁶ Boring	 ⁹ Driving ¹⁰ Diaging 					
 ³ Dotary (revers ⁴ Rotary (air) 	se) 7 Diamond 8 Jetting	11 🖸 Other				2373	03
ame of Well Contracto	n n	Well Contractor's Licence No.	Data	58 Contractor -	59.62 IData room	eived	63.64
JAR-W.	ATER well Dell.	- 6006	Source	600	6 JAN	1 0 2002	200.00 80
<u>S+</u>]//	bert out	-	Date of inspection	Inspector			
ame of Well Technicia	" Despourer	Well Technician's Licence No.	Remarks	I	00	C EC	2
gnature of Technician	/Contractor	Submission date			60	3.E3	~
can:	1 hours	day mo yr	2	***			

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🗑 Ont	ario Ministry of the Environment	· · · · · · · · · · ·		~ ~ .	The	e Ontario WATE	Water F R WEL	<i>lesour</i> L RE	ces Act CORD	
Print only in space Mark correct box	ces provided. with a checkmark, where applic	able.	11	1	5327	23	Municipa Plo	lity Con.	-16	
County or District	a Carleton	Township. Address	/Borough/City/	Town/Villag	end	+	Con block	Date	, etc. L	ot 25-27 2 48-53 2-02-
21			Northing	<u>r iar</u>	<u>\∕i , ()/</u> RC Eleva 	Ation RC	Basin Code		day r iii	nonth year
	LOG	12 OF OVERBURDEN	18 AND BEDF		TERIALS (se	ee instruct	ions)		Dop	47
General colour	Most common material	Othe	er materials			Genera	al description		From	To
0+00070	clay	0						• • •	5:	260
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									╷╷╷╷╷╷	
								31-33 Diameter	34-38 Len	75 80 ath 39-40
Water found at - feet	Kind of water diam	Material	Wall thickness inches	Deptr From	r - feet To		o.)	i	nches	feet
¹⁰⁻¹³ 1 [2 [Fresh 3 Sulphur 14 Salty 4 Minerals 10 Salty 6 Gas 10	11 1 Steel 12 2 Galvanized 3 Concrete	00	~	13-16	S Materia	ai and type	- _`	Depth at top	feet
15-18	Fresh ³ Sulphur ¹⁹ 4 Minerals Salty ⁶ Gas ¹⁷	4 □ Open hole € □ Plastic ¹⁸ 1 □ Steel ¹⁹	100	0	20-23	61		& SEALING		D
	Fresh 3 Sulphur 24 A Minerals 6 Gas	2 Galvanized 3 Concrete 42 Open hole		0	42	Depth set From	at - feet To Mat	erial and type (Ce	ment grout, t	pentonite, etc.)
²⁵⁻²⁸ 1 [2 [☐ Fresh ³ ☐ Sulphur ²⁹ 4 ☐ Minerals 3 Salty 6 ☐ Gas	€ □ Plastic ⁻²⁵ t □ Steel ²⁶ 2 □ Galvanized		1(-	27-30	2 ¹³ 18-21	22-25	2ment	t gri	Dut
30-33 1 [2 [Fresh ³ Sulphur ³⁴ 60 Salty 6 Gas	Concrete		42	260	26-29	30-33 80 .			
71 Pumping test n	nethod ¹⁰ Pumping rate	11-14 Duration of pump 15-16 BPM Hours	ing 17-18 Mins			LC	CATION OF	WELL		
Static level	Water level 25 end of pumping	1 [®] Pumping 2			In diagran Indicate n	n below sho orth by arro	ow distances ow.	of well from r	oad and k	ot line.
NG TE	10 minutes 26-28 30 minute	feet feet	60 minutes 35-37						4	うし
If flowing give r	rate GPM Rump intake set at	feet Clear	st 42		101	rel				
Recommended p	purtpy type Recommended Deep pump setting	⁴³⁻⁴⁵ Recommended pump rate feet	46-49 GPM		Vin	ny				
50-53	IS OF WELL 54				P~~	'				
¹ Water su ² Observati ³ Test hole	pply ⁵ Abandoned, insuffici ion well ⁶ Abandoned, poor qu ⁷ Abandoned (Other)	ent supply 9 🗆 Unfinisl ality 10 🗌 Replac	hed ement well				21cm	716	01	
	e well T in the Dewatering T						Segue	SIG		
Domestic Domestic 2 Stock 3 Irrigation	5 🗌 Commercial 6 🗌 Municipal 7 🗌 Public supply	9 🗌 Not use 10 🛄 Other	9				U			
4 🗌 Industrial	8 🖸 Cooling & air conditi	oning		-	ý.	1				
1 Cable too 2 Rotary (c	CONSTRUCTION 57 ol 522 Air percussion conventional) 6 🗀 Boring	⁹ 🔲 Driving ¹⁰ 🗌 Digging]			1				
³ □ Rotary (re ⁴ □ Rotary (a	everse) 7 Diamond ir) 8 Jetting	11 🗌 Other -			.				237	760
Name of Well Cont	ractor Diltipa (-)	Well Contract	or's Licence No.		a Irce	58 Contractor	119	59-62 Date rece	162	63-68 80
Address D #	2 Janor T	NA	1	Dat	e of inspection		Inspector			.vv(i
Name of Well Tech	nician Dilloll	Well Technicia	an's Licence No.	N AUL Rer	narks		1			
Signature of Techn	ician/Contractor	Submission da		SININ				US	5.E	:S2
2 . MINIS				┛┖──┴──					0506 (07/0	00) Front Form §

Ontario

6

Ministry of the Environment

Well Record Regulation 903 Ontario Water Resources Act

Well Location						A CONTRACTOR OF
Address of Well Location (Street Number/Name)	IAMP	Township	1 1 Lot 25	Concess	sion
County/District/Municipality	a neiry "	inne.	(ambe	n/awon. a)	Province	Postal Cade
ATTAULIA	pil		ATTAI	1/ 14	Ontario	114CIA7
UTM Coordinates Zone E	asting , Northing	A	Aunicipal Plan and Subl	lot Number	Other	njuji
NAD 8 3 / 8 5	164419 503	P991	SOR	1299		
Overburden and Bedroc	k Materials/Abandonmen	t Sealing Reco	ord (see instructions on the	e back of this form)	LILL CARGE	
General Colour M	ost Common Material	Oth	er Materials	General Descriptio	n	Depth (m/ft)
Bingel	Top. Soil	PINIAI	PI-SHALL	FIRE		2/11
100000	1	Conu	cr shirt	hoose.		0 3,67
Grey Lin	nestowe.			Hand.	1.1936	3.64 100
A Break Land						
	Annular Space			Results of W	ell Vield Testin	00
Depth Set at (m/ft)	Type of Sealant Us	ed	Volume Placed	After test of well yield, water was:	Draw Down	n Recovery
From To	(Material and Type	1 +	(m³/ft³)	Clear and sand free	Time Water Lo	evel Time Water Level
6,06 0 (ement l	rans	120 KG.	L Other, specify	Static 07.0	(min) (m/n)
	# 30		0	ir pumping discontinued, give reason	Level 211	9 54,55
			1 10		1 30.C	1 54.46
				Pump intake set at (m/ft)	2 37 9	74 2 54.37
			1	54,55	2810	20 2 54 00
Method of Constru	uction	Well Us	e	Pumping rate (I/min / GPM)	3 76 d	0 3 5 Y. 28
Cable Tool	Diamond Public	Comme	rcial Not used	Duration of pumping	4 39,1	12 4 54,20
Rotary (Reverse) B/R	Driving	Test Hol	al Dewatering	hrs +27 min	5 42 1	\$ 55370
Boring	Digging Irrigation	Cooling	& Air Conditioning	Final water level end of pumping (m/ti	10 400 6	1 10 52 .25
Air percussion	Industrial	-16.		54.55	10 95,1	6 10 53.15
		omy		If flowing give rate (Vmin / GPM)	15 48,1	\$ 15 52.70
Inside Onen Hole OR	Material Wall	enth (m/#)	Status of Well	Deserved a la static de la	20 5/2	3 20 52.25
Diameter (Galvanized, Fit	preglass, Thickness		Replacement Well	See U.C.	25 541	2 25 6195
(crivity) Concrete, Plast	c, steel) (cm/in) Ho	10	Test Hole	Recommended nump rate	27 0110	20 31,13
Sith Ste	el 0.48 0;	45 6.66	Recharge Well	(Umin / GPM) 7975	30 5 71 7	30 51,70
			Observation and/or	Well production (I/min / GPM)	40	40 51,10
		100	Monitoring Hole	0.38 GPM	50	50 51 92
			(Construction)	Disinfected?		DO TR
			Abandoned,	Yes No	60	60 50,18
Constr	uction Record - Screen		Abandoned, Poor	Map of W	ellicocation	N
Diameter (Plastic, Galvaniz	ed. Steel) Slot No.	epth (m/ft)	Water Quality	Please provide a map below following	instructions on th	e back.
(cm/in)	From Pror	n Io	specify	1.6	he	1
				1400	A.	
			U Other, specify	Me	K	
W	ater Details	H	ole Diameter	3 6	X	
Water found at Depth Kind	of Water: Fresh Unter	sted Dept	h (m/lt) Diameter	1 7	to	
₽. / ₽ (m/ft) □ Gas □ C	ther, specify	From	To (cm/in)		111	n 1 1
Water found at Depth Kind	of Water: Fresh Unter	sted 0	6.66 15.86		Nord	Mowthenth
(m/ft) Gas C	ther, specify	- 6,66	100. 15.55	·	X	Rd.
(m/ff) Gos GC	of water: Fresh Untes	ited	1000		M	
Well Co	antractor and Mall Tasks	alan Informati			2 Cr	
Business Name of Well Cont	tractor and well rechni	Wel	I Contractor's Licence No.		K	
DIRWATE	R-Well-Orille	ins 6	1006		i	
Business Address (Street Nu	Imber/Name)	Mur	niçipality	Comments:	4	
1763 Kou	te goo we	5t /	ATION		E.S.	
Province Postal	Code Business E-mail	Address			1	
Bus Telephone No (m)	1340	n /l act Norma	lizet blows	Well owner's Date Package Delivered	Min	istry Use Only
6 13 9 A7-157	STRE Date to a	in (Last Name, F	(irst Name)	delivered 20101 06	30 Audit No.	117697
Well Technician's Licence No. S	signature of Technician and/o	Contractor Date	Submitted	Date Work Completed	2.	111001
7625	tain h	2	010 07 15	No 2010 BG	30 AUG	1 0 2010
0506E (2007/12) © Queen's Prir	nter for Ontario, 2007	- mer	Ministry's Copy			

Well A 098416 Below) A 192416 Ontario is now in Step Three of the **<u>Roadmap to Reopen (/page/reopening-ontario)</u>**. Follow the **<u>restrictions and public health measures (https://covid-19.ontario.ca/public-health-measures)</u>.**



Map: Well records

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

Full dataset is available in the <u>Open Data catalogue</u> (<u>https://data.ontario.ca/dataset/well-records</u>).

<u>Go Back to Map ()</u>

Well ID

Well ID Number: 7207986
Well Audit Number: *Z163962*Well Tag Number: *A148052 This table contains information from the original well record and any subsequent updates.*

Well Location

Address of Well Location

1400 OLD MONTREAL ROAD

Map: Well records | Ontario.ca

Township	CUMBERLAND TOWNSHIP
Lot	025
Concession	OF
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18
	Easting: 464665.00
	Northing: 5038180.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General	Most Common	Other	General	Depth	Depth
Colour	Material	Materials	Description	From	To
GREY	LMSN	ROCK		0 m	8.74 m

Annular Space/Abandonment Sealing Record

Depth	Depth	Type of Sealant Used	Volume
From	To	(Material and Type)	Placed
0 m	5.8 m	BENTONITE	

Method of Construction & Well Use

Method of Construction	Well Use

Status of Well

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
5.08 cm	PLASTIC	0 m	7.1 m

Construction Record - Screen

Outside	Material	Depth	Depth
Diameter		From	To
5.8 cm	PLASTIC	7.1 m	8.74 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7328

Results of Well Yield Testing

After test of well yield, water was

If pumping discontinued, give reason

Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	

30	30
40	40
45	45
50	50
60	60

Water Details

Water Found at Depth	Kind
7.35 m	

Hole Diameter

Depth From	Depth To	Diameter
0 m	8.74 m	20.3 cm

Audit Number: Z163962

Date Well Completed: November 02, 2012

Date Well Record Received by MOE: September 17, 2013

Related

How to use a Ministry of the Environment map (/page/how-use-ministry-environment-map#wells)

Technical documentation: Metadata record (https://data.ontario.ca/dataset/wellrecords/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77)

about Ontario (https://www.ontario.ca/page/about-ontario)

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UTM 18 2 41614131310 E		151 3	3109.1 5	6 Nº	754
Elev c 9 B 20 2 VEr on The Wei Basin 2 52 4 Department of Min	ll Drillers Annes, Provin	Act ce of Oi		PR - 3 1952 OGICAL BEAM RTMENT of M	ach INES
Date Completed	ell 3(3() Fown (s Ven (excludi	Re G age, To or City) C M ag pump	nleerland	mhere. Ond	and
Pipe and Casing Record		<u> </u>	Pumping Test		
Length (s) of casing (s) 2.0.1 Type of screen P Length of screen P Distance from top of screen to ground level D Is well a gravel-wall type? D	tatic level Pumping leve Pumping rate Duration of t	. /. 4 	feet v gab test er or bowls to ground	d level	· · · · · · · · · · · · · · · · · · ·
Wat	er Record				
Kind (fresh or mineral)		•••••	Depth(s) to Water Horizon(s) <u>921</u>	Kind of Water	No. of Feet Water Rises
How far is well from possible source of contamination? What is the source of contamination? Septime for Enclose a copy of any mineral analysis that has been made	15 feet	•••••	· · · · · · · · · · · · · · · · · · ·		
Well Log					
Overburden and Bedrock Record 1 to 20 feet hardpon.	From 0 ft. - /	To ft. 2 ,	Loc In diagram well from r dicate north	cation of Wel below show dis road and lot li n by arrow.	I tances of ine. In-
20 to 92 feet Black limeston	20.	92			
			and mented	Rord.	8
			3 miles to	Co 24.	
			well and	H VN	
Situation: Is well on upland, in valley, or on hillside? Drilling Firm. Jaan A. Rullyn Address. 4.8.5. mar Lune st Name of Driller. A. Morisi Renauli Date Jeb. 12.15.2.	level .	Addrea	ss. 4. 2. 7 Cl e Number. In r rilly	arenne per	m. A.
Form 5			Signature	of Licensee	(*

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Ontario is now in Step Three of the **<u>Roadmap to Reopen (/page/reopening-ontario)</u>**. Follow the **<u>restrictions and public health measures (https://covid-19.ontario.ca/public-health-measures)</u>.**



Map: Well records

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

Full dataset is available in the <u>Open Data catalogue</u> (<u>https://data.ontario.ca/dataset/well-records</u>).

<u>Go Back to Map ()</u>

Well ID

Well ID Number: 7207987
Well Audit Number: *Z164003*Well Tag Number: *A148052 This table contains information from the original well record and any subsequent updates.*

Well Location

Address of Well Location

1400 OLD MONTREAL RD

Map: Well records | Ontario.ca

Township	CUMBERLAND TOWNSHIP
Lot	025
Concession	OF
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 464589.00 Northing: 5038158.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General	Most Common	Other	General	Depth	Depth
Colour	Material	Materials	Description	From	To
GREY	LMSN	ROCK		0 m	10.39 m

Annular Space/Abandonment Sealing Record

Depth	Depth	Type of Sealant Used	Volume
From	To	(Material and Type)	Placed
0 m	6.2 m	BENTONITE	

Method of Construction & Well Use

Method of Construction	Well Use
H.S.A.	
	Monitoring

Status of Well

Observation Wells

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
5.08 cm	PLASTIC	0 m	7.1 m

Construction Record - Screen

Outside	Material	Depth	Depth
Diameter		From	To
5.8 cm	PLASTIC	7.1 m	10.39 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7328

Results of Well Yield Testing

After test of well yield, water was

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

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	

25	25
30	30
40	40
45	45
50	50
60	60

Water Details

Water Found at Depth	Kind
7.17 m	

Hole Diameter

Depth From	Depth To	Diameter
0 m	10.39 m	20.3 cm

Audit Number: Z164003

Date Well Completed: November 02, 2012

Date Well Record Received by MOE: September 17, 2013

Updated: July 21, 2021 Published: April 16, 2021

Related

How to use a Ministry of the Environment map (/page/how-use-ministry-environment-map#wells)

Technical documentation: Metadata record (https://data.ontario.ca/dataset/wellrecords/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77)

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UTM $\frac{18}{58} = \frac{4645120}{518}$	ONTARIO		RECEIV SEP 1 5 195	EDN 3 ANCH	755
Elev 5 R 0131010 Basin 315 0 F. Con I Rot 2 Water W County or District Russell Tp. Curr	ines, Provi Vell SIGIII Merta	Re	OR THE Lot 2.9	MINES 1513110 3	
	cludir	ng pump	o)		
Tipe and Casing Accord			Pumping Test		
Casing diameter(s). 5 Length(s) of casing(s). 9 Length of screen. Type of screen. Type of pump. Capacity of pump. Depth of pump setting.	Date Developed C Duration of Pumping Ra Drawdown . Static level c Is well a gra	Test	5 5	×	· · · · · · · · · · · · · · · · · · ·
Wa	ter Record	<u></u> .			
Kind (fresh or mineral)	hard		Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
For what purpose(s) is the water to be used?	10 f	uK	· · · · · · · · · · · · · · · · · · ·		
Weil Log					
Drift and Bedrock Record	From O ft.	To ft.	Loc In diagram belo from road and lo	ation of Well ow show distar ot line $\psi \cdots \psi'$	nces of well
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Department of	f Mines, Provin	ce of Ontari	GEOL	DGICAL BRAN	СН
F Con 1 Kat 24 Water	Well]	Reco	rd DEPA	TMENT of MI	NES
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	Township, Vill	age, Town or	- Gity <i>L.</i> L.	man	And t
			umher	land.	Ont.
Date Completed	t of Well (excludin	ng pump)			••••
Pipe and Casing Record		Pu	mping Test		
Casing diameter (s)	Date. Jet	7 1.5.2		• • • • • • • • • • • • • •	••••
Length(s) of casing(s)	Static level	1.2. feel	ר נ		
Type of screen	Pumping leve	1. 1. S. ful	al		
Length of screen	Duration of t	est	h		· · · · · · · · · · · · · · ·
Is well a gravel-wall type?	Distance from	n cylinder or	bowls to groun	d level	
	Water Record			<u> </u>	
1 1			Depth(s)	Kind of	No. of Fo
Kind (fresh or mineral)			to XI atom	Water	
Kind (fresh or mineral)	back		to Water Horizon(s)	Water	
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Kind (fresh or mineral)	bark. Iem- nestra	· · · · · · · · · · · · · · · · · · ·	to Water Horizon(s)	Water	69 fee
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Kind (fresh or mineral)	bark nestra	· · · · · · · · · · · · · · · · · · ·	to Water Horizon(s)	Water fresh	69 fee
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Kind (fresh or mineral)	back	To ft. /2. 71	to Water Horizon(s)	Water fuch cation of We below show di road and lot h by arrow.	Il stances of line. In-
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FORM



I Viai longen of one a			Pumping level				
Type of screen			Pumping level				
Length of screen Depth to top of screen Diameter of finished hole <u>4</u> inches Well Log							
			with pumping level of				
			Water Record				
			Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises
	O I	3	130	114	fresh		
Loam	2	130					
Limestone rock			· _ ·				
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		<u></u>					
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For what purpose(s) is the water to be used?	l _ ·		Loc	ation of Well	ALS R THE		
Domestic			In diagram below	w show distances	of well from		
		•	road and lot lin	ne. Indicate nort	h by arrow.		
s well on upland, in valley, or on hillside?							
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Drining running marker Automo	•	<u>λ</u> η	ANT PI	EDI DD	N. 17		
Address r.r. #6 Ottawa		- <u>//</u>	ONT	EAL DU	1 0 1 1		
Licence Number		Ϊ K					
Name of Driller		·· 101					
AJAmer The SAME				NELC			
Address		1	J 600 7				

Address THE SAME Date <u>August 8, 1960</u>. This Al Adam (Signature of Licensed Drilling Contractor)

Form 5 15M-58-4149



	CROAS		3601KA	CB	1
			(31 G TIW	GROUND WATE	R BRANCH
The Ontario Water Reso	urces	Commission	Act	AUG 15	1961
Countr or District	- L	RECC	DRD	ONTARIO N RESOURCES CO	NATER MMISSION
Con. let from Ottawa R. Lot S. 1 10t 25)ate c	ss. Cumberla	August 1 day and, Ont.	st, 1961 ^{mogth} 15131 3	2 5 ^{yeer)}
Casing and Screen Record		· .	Pumpin	g Test	
Insicle diameter of casing 2 ⁿ	Sta	atic level	75'		
Total length of casing	Te	est-pumping rat	te		G.P.M.
Type of screen	Pu	mping level	851		
Length of screen	Du	uration of test p	umping	3 hrs.	
Depth to top of screen	W	ater clear or clo	oudy at end of	test clear	
Diameter of finished hole 2 ⁿ	Re	ecommended p	umping rate		G.P.M.
processory and a second se	wi	ith pump setting	g of 851	feet belo	w ground surface
Well Log		2		Water	Record
Overburden and Bedrock Record		From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
bolders & gravel		0	10	210'	fresh
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For what purpose(s) is the water to be used?domestic		In diagram	<b>Location</b> n below show	of Well distances of we	ll from
Is well on upland, in valley, or on hillside? upland Drilling or Boring Firm G. CHARBONNEAU DIAMOND DRILLER ARTESIAN WELLS MODERN HOME BUILDERS		road and	lot line. Ind	dicate north by	arrow.
Address ORLEANS, ONT. R.R. 1 Navan 9R - 25			0-0417	7	
Licence Number 224	0	Teo	NI		C
Name of Driller or Borer. G. Charbonneau	9	Loon Lo	725		38
Address R. R. # 1, Orleans, Ont.		- 1			िन ``म रा
Date August 1st, 1961					
(Signature of Licensed Drilling or Boring Contractor)					
Form 7 15M Sets 60-5930				C55.55	
OWRC COPY					

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At I         WAT           Nate FOUND         Interfer           10-13         2           10-13         2           20-23         1           20-23         1           20-23         1           20-33         1           20-33         1           20-33         1	ER RECORD KIND OF WATER FRESH 3 SULPHUR ¹⁴ SALTY 4 MINERAL FRESH 3 SULPHUR ¹⁹ SALTY 4 MINERAL FRESH 3 SULPHUR ²⁴ SALTY 4 MINERAL FRESH 3 SULPHUR ²³ SALTY 4 MINERAL FRESH 3 SULPHUR ²⁴ SALTY 4 MINERAL	51         CA SING           INSIDE         MATE           INCHES         2 GALV           10-11         STEE           2 GALV         3 CONC           17-18         STEE           2 GALV         3 CONC           4 OPEN         3 CONC	32       32       32       32       32       32       32       32       32       32       32       32       32       32       34       12       12       12       12       188       33       34       19       34       34       19       34       34       19       34       34       35       36       37       38       38       39       39       39       39       39       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30 <td>OLE RE DEPTH FROM O</td> <td>CORD - FEET TO - 72 - 13-16 - 20-23 20-23 - 20-23 - 20-23 - 20-23 - 20-23</td> <td>SIZE(5) (SLOT N MATERI O S 61 P I DEPTH SE FROM 10-1 18-2 26-2</td> <td>OF OPENING </td> <td>31-33 G &amp; S MATERIAL 80</td> <td>DIAMETER 34- INCL DEPTH TO T OF SCREEL EALING</td> <td>FEET RECOR (CEMENT GROL EAD PACKER, E</td>	OLE RE DEPTH FROM O	CORD - FEET TO - 72 - 13-16 - 20-23 20-23 - 20-23 - 20-23 - 20-23 - 20-23	SIZE(5) (SLOT N MATERI O S 61 P I DEPTH SE FROM 10-1 18-2 26-2	OF OPENING 	31-33 G & S MATERIAL 80	DIAMETER 34- INCL DEPTH TO T OF SCREEL EALING	FEET RECOR (CEMENT GROL EAD PACKER, E
AT - FEET 10-13 2 10-13 2 15-18 1 2 20-23 1 2 20-23 1 2 20-23 1 2 2 2 2 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2	ER RECORD KIND OF WATER FRESH 3 SULPHUR ¹⁴ SALTY 4 MINERAL FRESH 3 SULPHUR ¹⁹ SALTY 4 MINERAL FRESH 3 SULPHUR ²⁴ SALTY 4 MINERAL FRESH 3 SULPHUR ²³ SALTY 4 MINERAL FRESH 3 SULPHUR ³⁴ FRESH 3 SULPHUR ³⁴ FRESH 3 SULPHUR ³⁴ FRESH 3 SULPHUR ³⁴ Control 10 PUMPING RAT	51 CA SING INSIDE INSIDE 10-11 STEE 2 GALV 3 CONC 4 OPEN 17-18 1 STEE 2 GALV 3 CONC 4 OPEN 17-18 1 STEE 2 GALV 3 CONC 4 OPEN 24-25 1 STEE 2 GALV 3 CONC 4 OPEN 24-25 1 STEE 2 GALV 3 CONC 4 OPEN 24-25 1 OPEN 24-25 1 OPEN 24-25 1 OPEN 2 GALV 3 CONC 4 OPEN 24-25 1 OPEN 2 GALV 3 CONC 4 OPEN 4 OPEN	32       32       State	43 OLE RE DEPTH FROM O	CORD - FEET TO - 72 - 72 - 73 - 730	SIZE(S) (SLOT N MATERI O S 61 P L DEPTH SE FROM 10-1 18-2 26-2 L C	OF OPENING 	31-33 G & S MATERIAL 80 N OF V	DIAMETER 34- INCH DEPTH TO T OF SCREEL EALING . AND TYPE L	FEET RECOR (CEMENT GROU READ PACKER, E
AT - FEET 10-13 2 15-18 1 2 20-23 1 2 20-23 1 2 2 2 2 2 2 2 2 2 2 2 2 2	ER RECORD KIND OF WATER FRESH 3 SULPHUR 14 SALTY 4 MINERAL FRESH 3 SULPHUR 19 SALTY 4 MINERAL FRESH 3 SULPHUR SALTY 4 MINERAL SALTY 4 MINERAL	51 CA SING UNAM. MATE UNCHES 10-11 STEE 2 GALV 3 CONC 4 OPEN 17-18 STEE 2 GALV 3 CONC 4 OPEN 17-18 CONC 4 OPEN 24-25 1 STEE 2 GALV 3 CONC 4 OPEN 2 GALV 3 CONC 4 OPEN 3 CONC 4 OPEN 4 OP	32     WALL       FRIAL     THICKNESS       IL     12       ANIZED     188       CRETE     19       ANIZED     19       ANIZED     SRETE       MOLE     19       ANIZED     SRETE       MOLE     19       ANIZED     SRETE       MOLE     19       CRETE     4000000000000000000000000000000000000		CORD - FEET TO 72 20-23 00 85 27-30 IN D LOT	SIZE(5) (SLOT N W W MATERI O O O O O O O O O O O O O O O O O O O	OF OPENING 	G & S MATERIAL 80 N OF V NNCES OF WEI ARROW.	DIAMETER 34- INC: OF SCREE EALING AND TYPE L NELL LL FROM ROAD A	Тектін текті порадія Правити Правити порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка порадка пора
WWA I           MATER FOUND           AT - FEET           10-13           2           15-18           1           2           20-23           1           2           20-23           1           2           30-33           1           2           30-33           1           2           1           PUMPING TEST M           PUMP           STATIC           LEVEL           19	ER RECORD KIND OF WATER FRESH 3 SULPHUR ¹⁴ SALTY 4 MINERAL FRESH 3 SULPHUR ¹⁹ SALTY 4 MINERAL FRESH 3 SULPHUR ²⁴ SALTY 4 MINERAL FRESH 3 SULPHUR ²⁴ SALTY 4 MINERAL FRESH 3 SULPHUR ²⁵ SALTY 4 MINERAL FRESH 3 SULPHUR ²⁴ SALTY 4 MINERAL FRESH 3 SULPHUR ²⁵ SALTY 4 MINERAL SALTY 4 MINER	51         CA SING           INSIDE         MATE           INCHES         10-11           10-11         STEE           2         GALV           3         CONC           4         OPEN           17-18         I           3         CONC           4         OPEN           24-25         I           2         GALV           3         CONC           4         OPEN           24-25         I           3         CONC           4         OPEN           2         GALV           3         CONC           4         OPEN           E         11-14           GPM         OPEN           CR         LEVELS DURING           So         30 MINUTES           28         30 MINUTES	32     WALL       FRIAL     THICKNESS INCHES       IL     12       ANIZED     188       CRETE     19       ANIZED     19       ANIZED     19       ANIZED     26       ANIZED     19       CRETE     19       ANIZED     19       CRETE     19       ANIZED     19       CRETE     10       N HOLE     15-16       ITION OF PUMPING     20       1     EUMPING       2     RECOVERY       15<	17-18 UTES 35-37	CORD - FEET TO - 72 20-23 00 73 20-23 27-30 IN D LOT	SIZE(5) (SLOT N MATERI O O S (SLOT N MATERI O O S (SLOT N MATERI O O S (SLOT N MATERI O O S (SLOT N MATERI O O S (SLOT N MATERI O O S (SLOT N MATERI O S (SLOT N S (SLOT N SLOT	OF OPENING O.) AL AND TYPE UGGIN IT AT - FEET TO 1 14-17 1 22-25 9 30-33 OCATIOI W SHOW DIST/ ITE NORTH BY	G & S MATERIAL 80 N OF V INCES OF WEI ARROW.	DIAMETER 34- INC: OF SCREE EALING . AND TYPE L WELL LL FROM ROAD A	RECOR (CEMENT GROU ND
20-23 20-23 15-18 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 2 2 2 2 2 2 2 2 2 2 2 2	ER         RECORD           KIND OF WATER           FRESH         3         SULPHUR           SALTY         4         MINERAL           ETHOD         10         PUMPING RAT           WATER LEVEL END OF PUMPING         25           C         50         55           C         50         55	51 CA SING INSIDE INSIDE INCHES 10-11 STEE 2 GALV 3 CONC 4 OPEN 17-18 1 STEE 2 GALV 3 CONC 4 OPEN 17-18 1 STEE 2 GALV 3 CONC 4 OPEN 17-18 1 STEE 2 GALV 3 CONC 4 OPEN 24-25 1 STEE 2 GALV 3 CONC 4 OPEN 17-18 0 STEE 2 GALV 3 CONC 4 OPEN 10-11 1 STEE 10-11 1 STEE 10-1	32     WALL       FRIAL     WALL       THICKNESS     INCHES       IL     12       ANIZED     188       CRETE     19       YANIZED     CRETE       Y HOLE     19       CRETE     19       YANIZED     19       CRETE     19       Y HOLE     19       CRETE     19       Y HOLE     19       TION OF PUMPING     20       1     PUMPING       2     RECOVERY       15     MINUTES       32-34     60 MINU       45     FEET	17-18 MIRS. FEET 43 0 0 0 0 0 0 0 0 0 0 0 0 0	CORD -FEET TO 20-23 20-23 27-30	SIZE(S) (SLOT N MATERI O S (SLOT N S (SLOT N SLOT	OF OPENING O.) AL AND TYPE UGGIN I AT - FEET TO 1 4-17 1 22-25 9 30-33 OCATIOI W SHOW DIST/ TE NORTH BY	G & S MATERIAL 80 N OF V	DIAMETER 34- INCA DEPTH TO T OF SCREE E A LING AND TYPE L NELL LL FROM ROAD A	RECOR RECOR (CEMENT GROU EAD PACKER, E
AT - FEET 10-13 285 2 15-18 1 20-23 1 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 2 2 2 2 2 2 2 2 2 2 2 2	ER         RECORD           KIND OF WATER           FRESH         3         SULPHUR           SALTY         4         MINERAL           FRESH         3         SULPHUR           BAILER         DOOG         MINERAL           WATER LEVEL         25         WATE           WATER LEVEL         25         WATE           SOUPHING         22-224         15           SOUPHING         25           GPM         500	51         CA SING           INSIDE         MATE           INCHES         2           10-11         STEE           2         GALV           3         CONC           4         OPEN           17-18         STEE           2         GALV           3         CONC           42         OPEN           24-25         1           3         CONC           4         OPEN           24-25         1           3         CONC           4         OPEN           24-25         1           3         CONC           4         OPEN           2         GALV           3         CONC           4         OPEN           2         GALV           3         CONC           4         OPEN           CR         LEVELS DURING           SET AT         WATE           Y         FEET	32     Wall       RIAL     THICKNESS INCHESS       12     188       CRETE     19       CRETE     19       CANIZED     19       CRETE     19       CANIZED     19       CRETE     19       CANIZED     19       CRETE     19       CRETE     19       CRETE     19       CRETE     19       CRETE     10       MOLE     10       TION OF PUMPING     20       2     15-16       MOURS     00       1     CUMPING       2     RECOVERY       32-34     60 MINU       45     FEET       45     FEET       CLEAR     20	17-18 UTES 35-37 FEET 42 DUDY	CORD -FEET TO 20-23 0073 20-23 0085 27-30 IN D LOT	SIZE(S) (SLOT N M MATERI O S 61 P I DEPTH SE FROM 10-1 18-2 26-2 LOC IAGRAM BELO LINE. INDICA	OF OPENING 0.) AL AND TYPE UGGIN I UGGIN I T AT - FEET TO 3 14-17 1 22-25 9 30-33 OCATIOI W SHOW DIST/ TE NORTH BY	G & S MATERIAL 80 N OF V NNCES OF WEI ARROW.	DIAMETER 34- INCA DEPTH TO T OF SCREE E A LING AND TYPE AND TYPE NELL LL FROM ROAD A	RECOR (CEMENT GRO (CEMENT GRO (CEMENT GRO ND
WA I           WA I           Marter Found           AT - FEET           10-13           2           2           15-18           1           2           20-23           1           2           20-23           1           2           20-23           1           2           20-23           1           2           20-33           1           2           30-33           1           2           30-33           1           2           30-33           1           2           30-33           1           2           9           9           10           11           12           13           14           15           16           17           18           19           10      19           10	ER         RECORD           KIND OF WATER           FRESH         3           SALTY         4           MINERAL           FRESH         3           FRESH         3           SALTY         4           MINERAL           FRESH         3           SULPHUR         24           SALTY         4           MINERAL           FRESH         3           SULPHUR           SALTY         4           MINERAL           FRESH         3           SULPHUR           SALTY         4           MINERAL           FRESH         3           SALTY         4           MINERAL           SALTY         4           MINERAL           FRESH         3           SALTY         4           MINERAL           ETHOD         10           PUMPING         25           WATER         25           WATER         25           SBALTR         25           O 50         25           SOSOFEET         25	51         CA SING           INSIDE         MATE           INCHES         10-11           10-11         STEE           10-11         STEE           10-11         STEE           10-11         STEE           10-11         STEE           10-11         STEE           2         GALV           3         CONC           4         OPEN           17-16         STEE           2         GALV           3         CONC           4         OPEN           24-25         1           3         CONC           4         OPEN           2         GALV           3         CONC           4         OPEN           2         GALV           3         CONC           4         OPEN           28         30           30         MINUTES           4         OPEN           28         30           30         MINUTES           4         OPEN           4         OPEN           4         OPEN	32           32           32           32           32           32           32           32           32           32           32           32           32           32           Wall Thickness Inches           12         188           Anized CRETE           40LE           19           Anized CRETE           40LE           100           20           15-16           00           1           20           15-16           21           15-16           21           15-16           00           10           21           10           10           10           10           10           10           110           110           110           110           110           12           132-34           160           17	43 OLE RE DEPTH FROM O O O O O O FROM O O O O O O O O O O O O O	CORD -FEET T0 72 20-23 0085 27-30 IN D LOT	SIZE(S) (SLOT N MATERI O S	OF OPENING 	31-33 G & S MATERIAL 80 N OF V NNCES OF WEI ARROW.	DIAMETER 34- INCL DEPTH TO T OF SCREEL E A LING . AND TYPE L NELL LL FROM ROAD A	RECOR RECOR (CEMENT GROU EAD PACKER, E
AT - FEET 10-13 2 10-13 2 10-13 2 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 2 20-23 1 2 2 2 2 2 2 2 2 2 2 2 2 2	ER RECORD  KIND OF WATER  FRESH 3 SULPHUR ¹⁴ SALTY 4 MINERAL  FRESH 3 SULPHUR ¹⁹ SALTY 4 MINERAL  FRESH 3 SULPHUR ²⁴ SALTY 4 MINERAL  FRESH 3 SULPHUR ²⁴ SALTY 4 MINERAL  FRESH 3 SULPHUR ²⁵ SALTY 4 MINERAL  FRESH 3 SULPHUR ²⁶ SALTY 4 MINERAL  FRESH 3 SULPHUR ²⁶ SALTY 4 MINERAL  FRESH 3 SULPHUR ²⁷ SALTY 4 MINERAL  FRESH 3 SULPHUR ²⁶ SALTY 4 MINERAL  FRESH 3 SULPHUR ²⁶ SALTY 4 MINERAL  FRESH 3 SULPHUR ²⁷ SALTY 4 MINERAL  FRESH 3 SULPHUR ²⁷ SALTY 4 MINERAL  FRESH 3 SULPHUR ²⁶ SALTY 4 MINERAL  FRESH 3 SULPHUR ²⁶ SALTY 4 MINERAL  FRESH 3 SULPHUR ²⁷ SA	51       CA SING         INSIDE       MATE         INSIDE       MATE         10-11       STEE         2       GALV         3       CONC         4       OPEN         17-16       STEE         2       GALV         3       CONC         4       OPEN         17-16       STEE         2       GALV         3       CONC         4       OPEN         24-25       1         2       GALV         3       CONC         4       OPEN         24-25       1         3       CONC         4       OPEN         2       GALV         3       CONC         4       OPEN         28       30         30       MINUTES         28       30         30       MINUTES         4       O         528       30         30       MINUTES         29       70         FEET       10         4       0         50       70 <td>32     WALL       FIAL     THICKNESS       IL     12       ANIZED     188       CRETE     19       ANIZED     26       ANIZED     26       ANIZED     26       ANIZED     26       ANIZED     26       ANIZED     26       ANIZED     60 MINIG       2     15-16       OUMPING     21       2     RECOVERY       35     MINUTES       32-34     60 MINIG       21     RECOVERY       35     FEET       45     FEET       45     FEET       A45     FEET       CLEAR     2       CLEAR     2       CLEAR     2       CLEAR     2       CLEAR     2       CLEAR     2       CLEAR     2</td> <td>43 OLE RE DEPTH FROM C C C C C C C C C C C C C</td> <td>CORD - FEET TO 20-23 00 85 27-30 IN D LOT</td> <td>SIZE(5) (SLOT N MATERI O S</td> <td>OF OPENING 0.) AL AND TYPE .UGGIN .UGGIN .T AT - FEET TO 3 14-17 1 22-25 9 30-33       </td> <td>G &amp; S MATERIAL 80 N OF V</td> <td>DIAMETER 34- INC: OF SCREE EALING AND TYPE L NELL LL FROM ROAD A</td> <td>RECOR RECOR (CEMENT GROU EAD PACKER, E</td>	32     WALL       FIAL     THICKNESS       IL     12       ANIZED     188       CRETE     19       ANIZED     26       ANIZED     26       ANIZED     26       ANIZED     26       ANIZED     26       ANIZED     26       ANIZED     60 MINIG       2     15-16       OUMPING     21       2     RECOVERY       35     MINUTES       32-34     60 MINIG       21     RECOVERY       35     FEET       45     FEET       45     FEET       A45     FEET       CLEAR     2	43 OLE RE DEPTH FROM C C C C C C C C C C C C C	CORD - FEET TO 20-23 00 85 27-30 IN D LOT	SIZE(5) (SLOT N MATERI O S	OF OPENING 0.) AL AND TYPE .UGGIN .UGGIN .T AT - FEET TO 3 14-17 1 22-25 9 30-33       	G & S MATERIAL 80 N OF V	DIAMETER 34- INC: OF SCREE EALING AND TYPE L NELL LL FROM ROAD A	RECOR RECOR (CEMENT GROU EAD PACKER, E
41         WA I           MATER FOUND         MATER FOUND           AT - FEET         10-13           285         2           10-13         2           20-23         1           2         2-23           2         1           2         2           30-33         1           2         2           30-33         1           2         2           30-33         1           2         2           30-33         1           2         2           30-33         1           2         1           2         1           2         1           2         1           2         1           1         2           1         1           2         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         <	ER       RECORD         KIND OF WATER         FRESH       3         SALTY       4         MINERAL         SALTY       4         SALTY       4         MINERAL         FRESH       3         SULPHUR       24         SALTY       4         MINERAL         FRESH       3         SULPHUR       24         SALTY       4         MINERAL         SALTY       4         MINERAL         FRESH       3         SALTY       4         MINERAL         SALTY       4         MINERAL         ETHOD       10         PUMPING       25         WATER LEVEL       25         WATER LEVEL       25         SB-41       PUMP INTAKE         GPM.       50         UMP TYPE       SETING <td>51       CA SING         INSIDE       MATE         INSIDE       MATE         INCHES       STEE         10-11       STEE         10-11       STEE         2       GALY         3       CONC         4       OPEN         17-18       STEE         2       GALY         3       CONC         4       OPEN         24-25       I         2       GALY         3       CONC         4       OPEN         24-25       I         3       CONC         4       OPEN         2       GALY         3       CONC         4       OPEN         2       GALY         3       CONC         4       OPEN         2       GALY         3       CONC         4       OPEN         28       30         29       J         4       O         5       ABANDON         4       O         5       ABANDON</td> <td>32     WALL       FRIAL     WALL       FRIAL     THICKNESS       IL     12       ANIZED     188       CRETE     19       ANIZED     SERTE       MOLE     19       CRETE     19       ANIZED     SERTE       MOLE     19       CRETE     19       ANIZED     SERTE       MOLE     19       CRETE     100000       TION OF PUMPING     20       2     NHOURS       2     RECOVERY       32.34     60 MINU       32.34     60 MINU       32.34     45       FEET     45       RAT END OF TEST     CLEAR       CLEAR     20       CLEAR     20</td> <td>17-18 UTES 35-37 FEET 42 DUDY 46-49 GPM. PPLY</td> <td>CORD - FEET TO 20-23 00 73 27-30 IN D LOT</td> <td>SIZE(S) (SLOT N MATERI O S (SLOT N S (SLOT N SLOT S (SLOT N SLOT S (SLOT N SLOT SLOT SLOT SLOT SLOT SLOT SLOT SLOT</td> <td>OF OPENING O, OPENING AL AND TYPE UGGIN I AT - FEET TO 1 4-17 1 22-25 9 30-33 OCATIOI W SHOW DIST/ ITE NORTH BY CONTH BY</td> <td>G &amp; S MATERIAL 80 N OF V</td> <td>DEPTH TO T OF SCREE EALING EALING AND TYPE NELL ILL FROM ROAD A</td> <td>RECOR (CEMENT GROU ND</td>	51       CA SING         INSIDE       MATE         INSIDE       MATE         INCHES       STEE         10-11       STEE         10-11       STEE         2       GALY         3       CONC         4       OPEN         17-18       STEE         2       GALY         3       CONC         4       OPEN         24-25       I         2       GALY         3       CONC         4       OPEN         24-25       I         3       CONC         4       OPEN         2       GALY         3       CONC         4       OPEN         2       GALY         3       CONC         4       OPEN         2       GALY         3       CONC         4       OPEN         28       30         29       J         4       O         5       ABANDON         4       O         5       ABANDON	32     WALL       FRIAL     WALL       FRIAL     THICKNESS       IL     12       ANIZED     188       CRETE     19       ANIZED     SERTE       MOLE     19       CRETE     19       ANIZED     SERTE       MOLE     19       CRETE     19       ANIZED     SERTE       MOLE     19       CRETE     100000       TION OF PUMPING     20       2     NHOURS       2     RECOVERY       32.34     60 MINU       32.34     60 MINU       32.34     45       FEET     45       RAT END OF TEST     CLEAR       CLEAR     20	17-18 UTES 35-37 FEET 42 DUDY 46-49 GPM. PPLY	CORD - FEET TO 20-23 00 73 27-30 IN D LOT	SIZE(S) (SLOT N MATERI O S (SLOT N S (SLOT N SLOT S (SLOT N SLOT S (SLOT N SLOT SLOT SLOT SLOT SLOT SLOT SLOT SLOT	OF OPENING O, OPENING AL AND TYPE UGGIN I AT - FEET TO 1 4-17 1 22-25 9 30-33 OCATIOI W SHOW DIST/ ITE NORTH BY CONTH BY	G & S MATERIAL 80 N OF V	DEPTH TO T OF SCREE EALING EALING AND TYPE NELL ILL FROM ROAD A	RECOR (CEMENT GROU ND
AT - FEUNA AT - FOUND AT - FEET 10-13 285 2 20-23 1 20-23 1 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 2 2 2 2 2 2 2 2 2 2 2 2	ER       RECORD         KIND OF WATER         FRESH       3         SALTY       4         MINERAL         FRESH       3         SALTY       4         MINERAL         FRESH       3         SALTY       4         MINERAL         FRESH       3         SULPHUR       24         GRESH       3         SULPHUR       24         GRESH       3         SULPHUR       24         MINERAL       5         FRESH       3         SULPHUR       24         MINERAL       9         SALTY       4         MINERAL       5         SALTY       4         MINERAL       25         WATER LEVEL       25         WATER LEVEL       25         BAILER       0006         WATER LEVEL       25         WATER LEVEL       25         WATER LEVEL       25         GPM.       5         UMP TYPE       RECOMMENDE         WATER SUPPLY       2         OBSERVATION WE       3	51       CA SING         INSIDE       MATE         INCHES       10-11         10-11       STEE         2       GALY         10-11       STEE         2       GALY         10-11       STEE         2       GALY         3       CONC         4       OPEN         17-18       STEE         2       GALY         3       CONC         4       OPEN         24-25       STEE         2       GALY         3       CONC         4       OPEN         24-25       STEE         2       GALY         3       CONC         4       OPEN         24-25       STEE         2       GALY         3       CONC         4       OPEN         5       MINUTES         4       OPEN         5       ABANDON         6       ABANDON         7       UNFINISH	32     WALL       FRIAL     THICKNESS INCHES       IL     12 ANIZED       CRETE     19 ANIZED       CRETE     10000       1     EUMPING       2     15-16       1     EUMPING       2     RECOVERY       15     MINUTES       32-34     60 MINU       32-34     50 MINU       15     FEET       45     FEET       CLEAR     2 CLO       NMENDED     0006       IED, INSUFFICIENT SUI       IED, POOR QUALITY       IED     POOR QUALITY	43 OLE RE DEPTH FROM O O O O O O O O O O O O O O O O O O	CORD -FEET TO 20-23 20-23 0085 27-30 IN D LOT	SIZE(S) (SLOT N MATERI O S 61 PI DEPTH SE FROM 10-1 18-2 26-2 LOC LINE. INDICA	OF OPENING 0.) AL AND TYPE UGGIN I AT - FEET TO 1 4-17 1 22-25 9 30-33 OCATIOI W SHOW DIST/ TE NORTH BY () 7 00 1 00	31-33 G & S MATERIAL BO N OF V NCES OF WEI ARROW.	DIAMETER 34- INCL DEPTH TO T OF SCREE E A LING AND TYPE L NELL LL FROM ROAD A	RECOR RECOR (CEMENT GROU EAD PACKER, E
41         WA I           Matter Found         AT - Feet           AT - Feet         10-13           285         2           10-13         2           20-23         1           2         20-23           1         2           20-23         1           2         25-28           1         2           30-33         1           2         2           30-33         1           2         19           PUMP         Static           19         10           FERECOMMENDED P         19           0         10           FERECOMMENDED P         54ALLO           50-53         -           C         FINAL           STATUS         OF WELL	ER RECORD         KIND OF WATER         FRESH       3       SULPHUR         SALTY       4       MINERAL         ETHOD       10       PUMPING RAT         WATER LEVEL       25       WATER         WATER LEVEL       25       WATER         UMP TYPE       PUMP INTAKE       0         GPM.       22-24       SETTING         SUMP TYPE       WATER SUPPLY       0         MATER SUPPLY       2       OBSERVATION WE         3	51       CA SING         INSIDE       MATE         10-11       STEE         2       GALV         3       CONC         4       OPEN         17-18       STEE         2       GALV         3       CONC         4       OPEN         24-25       I         3       CONC         4       OPEN         2       GALV         3       CONC         4       OPEN         2       GALV         3       CONC         4       OPEN         5       ABANDON         7       UNFINISH         5       COMMERCIAL	32     WALL       FRIAL     WALL       THICKNESS     INCHES       IL     12       ANIZED     ISB       CRETE     19       ANIZED     19       ANIZED     19       ANIZED     19       ANIZED     19       ANIZED     19       ANIZED     26       ANIZED     26       ANIZED     26       ANIZED     27       RETE     40LE       ITION OF PUMPING     20       2     15-16       2     RECOVERY       15 <minutes< td="">     60 MINU       32-34     50 MINU       45     FEET       45     FEET       45     FEET       45     7006       MMENDED     7006</minutes<>	43 OLE RE DEPTH FROM O O UTES 35-37 FEET 42 SUDY 46-49 GPM. GPM.	CORD -FEET TO 20-23 0073 27-30 IN D LOT	SIZE(S) (SLOT N MATERI O S (SLOT N MATERI O S (S S S S S S S S S S S S S S S S S	or opening al and type UGGIN I at - FEET TO 3 14-17 1 22-25 9 30-33 OCATIOI W SHOW DIST/ TE NORTH BY C ATIOI	31-33 G & S MATERIAL 80 N OF V ARROW.	DIAMETER 34- INCA DEPTH TO T OF SCREE E A LING AND TYPE NELL IL FROM ROAD A M C T T T T T T T T T T	RECOR RECOR COMMENT GROUE COMMENT GROUE ND ND ND ND
41         WA I           Matter Found         AT - Feet           AT - Feet         2           10-13         2           285         2           15-18         1           2         2           20-23         1           2         2           30-33         1           2         2           30-33         1           2         2           30-33         1           2         1           2         1           1         PUMPINE TEST M           STATIC         19           0         I           0         I           0         I           0         I           0         I           0         I           1         I           1         PUMP           STATIC         19           0         I           0         I           0         I           0         SHALLO           50-53         I           0         I           0         I	ER       RECORD         KIND OF WATER         FRESH       3         SALTY       4         MINERAL         FRESH       3         FRESH       3         SALTY       4         MINERAL         FRESH       3         SULPHUR       24         FRESH       3         SULPHUR       24         FRESH       3         SULPHUR       23         SALTY       4         MINERAL       23         FRESH       3         SULPHUR       34         FRESH       3         SALTY       4         MINERAL         FRESH       3         SALTY       4         MINERAL         FRESH       3         SALTY       4         MINERAL         BAILER       0006         WATER LEVEL       25         WATER LEVEL       25         WATER LEVEL       25         SOUPTING       25         SOUPTING       25         SOUPTING       25         MINERAL       26	51       CA SING         INSIDE       MATE         INCHES       2 GALV         10-11       STEE         2 GALV       3 CONC         4 OPEN       3 CONC         17-16       STEE         2 GALV       3 CONC         4 OPEN       2 GALV         3 CONC       4 OPEN         17-16       STEE         2 GALV       3 CONC         4 OPEN       2 GALV         3 CONC       4 OPEN         24-25       1 STEE         2 GALV       3 CONC         4 OPEN       2 GALV         3 CONC       4 OPEN         24-25       1 STEE         2 GALV       3 CONC         4 OPEN       2 GALV         3 CONC       4 OPEN         24-25       1 STEE         2 GALV       3 CONC         4 OPEN       2 GALV         3 OMINUTES       2 GALV         5 ST AT       MATE         5 OMINUTES       ABANDON         7 UNFINISH       5 COMMERCIAL         6 MUNICIPAL       7 UNFINISH	32     WALL       FRIAL     THICKNESS       IL     12       ANIZED     INCHESS       IL     12       ANIZED     ISB       CRETE     19       ANIZED     19       ANIZED     19       ANIZED     19       CRETE     40LE       V HOLE     10       TTION OF PUMPING     20       RETE     10       V HOLE     10	43 OLE RE DEPTH FROM C C C C C C C C C C C C C C C C C C C	CORD -FEET T0 72 20-23 0085 27-30 IN D LOT	SIZE(S) (SLOT N MATERI O S (SLOT N MATERI O S (S S S S S S S S S S S S S S S S S	or OPENING al AND TYPE UGGIN I AT - FEET TO 3 14-17 1 22-25 9 30-33 OCATIOI W SHOW DIST/ ITE NORTH BY CONTRACTOR	G & S MATERIAL 80 N OF V INCES OF WEI ARROW.	DEPTH TO T OF SCREE EALING EALING NELL NELL LL FROM ROAD A OF Z Y DLD 1	RECOR RECOR (CEMENT GROU EAD PACKER, E
41       WAT         water Found       At - Feet         10-13       2         285       2         15-18       1         20-23       1         25-28       1         25-28       1         20-33       1         20-23       1         20-23       1         20-23       1         20-23       1         20-23       1         2       2         30-33       1         2       2         30-33       1         2       2         30-33       1         2       10         FUMP       STATIC         LEVEL       19-         010       FEE         8       RECOMMENDED P         1       SHALLO         50-53	ER       RECORD         KIND OF WATER         FRESH       3         SALTY       4         MINERAL         SALTY       4         SALTY       4         MINERAL         FRESH       3         SULPHUR       24         SALTY       4         MINERAL         FRESH       3         SALTY       4         MINERAL         FRESH       3         SALTY       4         MINERAL         SALTY       4         MINERAL         SALTY       4         MINERAL         BALLER       DOUPUNP         WATER LEVEL       25         WATER LEVEL       25         WATER LEVEL       25         WATER LEVEL       25         WATER LEVEL       26         MINP TYPE       PUMP         SUMP TYPE       S	51       CA SING         INSIDE       MATE         INCHES       STEE         10-11       STEE         10-11       STEE         2       GALV         3       CONC         4       OPEN         17-16       STEE         2       GALV         3       CONC         4       OPEN         22       GALV         3       CONC         4       OPEN         24-25       1         2       GALV         3       CONC         4       OPEN         24-25       1         5       CALV         3       CONC         4       OPEN         5       ABANDON         7       UNFINISH         5       COMMERCIAL         6       MUNICIPAL         7       PUBLIC SUPP         8       COOLING OR	32     WALL       FRIAL     WALL       FRIAL     THICKNESS       IL     12       ANIZED     188       CRETE     19       ANIZED     SRETE       MOLE     19       ANIZED     19       CRETE     19       ANIZED     19       CRETE     19       ANIZED     19       CRETE     19       ANIZED     19       CRETE     100475       Y     HOLE       1     CUMPING       2     RECOVERY       32:34     60 MINU       32:34     60 MINU       32:34     45       FEET     45       ICLEAR     2       CLEAR     2       LIC     10006	43 OLE RE DEPTH FROM C C C UTES 35-37 FEET 42 DUDY 46-49 GPM. PPLY	CORD -FEET TO 20-23 0085 27-30 IN D LOT	SIZE(S) (SLOT N MATERI U S (SLOT N MATERI U S S (S S S S S S S S S S S S S S S S	or OPENING O.) AL AND TYPE UGGIN I AT - FEET TO 1 4-17 1 22-25 9 30-33 OCATIOI W SHOW DIST/ ITE NORTH BY CO 3 00 1 4-17 1 4-17 1 4-17 1 4-17 1 4-17 1 22-25 9 30-33 OCATIOI X SHOW DIST/ I TE NORTH BY	G & S MATERIAL 80 N OF V INCES OF WEI ARROW.	DIAMETER 34- INCO OF SCREEL EALING AND TYPE L NELL LL FROM ROAD A C T Z Y	RECOR RECOR (CEMENT GROU CEMENT GROU ND ND T
41       ) WAI         MATEFFOUND         AT - FEET         10-13         285         2         20-23         1         20-23         1         2         20-23         1         2         20-23         1         2         20-23         1         2         25-28         1         2         30-33         1         2         30-33         1         2         30-33         1         2         30-33         1         2         30-33         1         2         10         PUMP         STATIC         19-         10         19-         10         10         11         12         130-         14         15-10         19-         11 <tr< td=""><td>ER       RECORD         KIND OF WATER         FRESH       3         SALTY       4         MINERAL         FRESH       3         SALTY       4         MINERAL         FRESH       3         SALTY       4         MINERAL         FRESH       3         SULPHUR       24         SALTY       4         MINERAL         FRESH       3         SULPHUR       24         SALTY       4         MINERAL         FRESH       3         SALTY       4         MINERAL         FRESH       3         SALTY       4         MINERAL         BAILER       DOOG         WATER LEVEL       25         WATER LEVEL       25         WATER LEVEL&lt;</td><td>51       CA SING         INSIDE       INSIDE         UTAM.       MATE         INCHES       2 GALV         10-11       STEE         2 GALV       3 CONC         4 OPEN       2 GALV         3 CONC       4 OPEN         17-18       STEE         2 GALV       3 CONC         4 OPEN       2 GALV         3 CONC       4 OPEN         24-25       STEE         2 GALV       3 CONC         4 OPEN       2 GALV         3 CONC       4 OPEN         24-25       STEE         2 GALV       3 CONC         4 OPEN       0 OPEN         22-31       4 OPEN         5       0 35 FEET         0 35       FEET         0 43-45       RECO         0 70       FEET         90       FEET         10       4 ABANDON         7       UNFINISH         5       COMMERCIAL         6       MUNICIPAL         7       UNFINISH         5       COMMERCIAL         6       MUNICIPAL         7       PUBLIC SUPP</td><td>32       32       32       32       32       34       34       34       34       32       32       32       34       34       34       35       36       37       38       38       38       38       38       38       38       38       38       38       38       38       39       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30   <td>17-18 UTES 35-37 FEET 42 DUDY 46-49 GPM. PPLY</td><td>CORD -FEET TO 20-23 0085 27-30 IN D LOT</td><td>SIZE(S) (SLOT N MATERI O S (SLOT N MATERI O S (S S S S S S S S S S S S S S S S S</td><td>or OPENING al AND TYPE UGGIN I AT - FEET TO 1 4-17 1 22-25 9 30-33 OCATIOI W SHOW DIST/ TE NORTH BY TO TO TO TO TO TO TO TO TO TO</td><td>31-33 G &amp; S MATERIAL 80 N OF V NNCES OF WEI ARROW. C</td><td>DIAMETER 34- INCO OF SCREE E A LING AND TYPE NELL IL FROM ROAD A D T Z Y</td><td>RECOR RECOR (CEMENT GROU A1-4 RECOR (CEMENT GROU A1-4 RECOR (CEMENT GROU A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1</td></td></tr<>	ER       RECORD         KIND OF WATER         FRESH       3         SALTY       4         MINERAL         FRESH       3         SALTY       4         MINERAL         FRESH       3         SALTY       4         MINERAL         FRESH       3         SULPHUR       24         SALTY       4         MINERAL         FRESH       3         SULPHUR       24         SALTY       4         MINERAL         FRESH       3         SALTY       4         MINERAL         FRESH       3         SALTY       4         MINERAL         BAILER       DOOG         WATER LEVEL       25         WATER LEVEL       25         WATER LEVEL<	51       CA SING         INSIDE       INSIDE         UTAM.       MATE         INCHES       2 GALV         10-11       STEE         2 GALV       3 CONC         4 OPEN       2 GALV         3 CONC       4 OPEN         17-18       STEE         2 GALV       3 CONC         4 OPEN       2 GALV         3 CONC       4 OPEN         24-25       STEE         2 GALV       3 CONC         4 OPEN       2 GALV         3 CONC       4 OPEN         24-25       STEE         2 GALV       3 CONC         4 OPEN       0 OPEN         22-31       4 OPEN         5       0 35 FEET         0 35       FEET         0 43-45       RECO         0 70       FEET         90       FEET         10       4 ABANDON         7       UNFINISH         5       COMMERCIAL         6       MUNICIPAL         7       UNFINISH         5       COMMERCIAL         6       MUNICIPAL         7       PUBLIC SUPP	32       32       32       32       32       34       34       34       34       32       32       32       34       34       34       35       36       37       38       38       38       38       38       38       38       38       38       38       38       38       39       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30       30 <td>17-18 UTES 35-37 FEET 42 DUDY 46-49 GPM. PPLY</td> <td>CORD -FEET TO 20-23 0085 27-30 IN D LOT</td> <td>SIZE(S) (SLOT N MATERI O S (SLOT N MATERI O S (S S S S S S S S S S S S S S S S S</td> <td>or OPENING al AND TYPE UGGIN I AT - FEET TO 1 4-17 1 22-25 9 30-33 OCATIOI W SHOW DIST/ TE NORTH BY TO TO TO TO TO TO TO TO TO TO</td> <td>31-33 G &amp; S MATERIAL 80 N OF V NNCES OF WEI ARROW. C</td> <td>DIAMETER 34- INCO OF SCREE E A LING AND TYPE NELL IL FROM ROAD A D T Z Y</td> <td>RECOR RECOR (CEMENT GROU A1-4 RECOR (CEMENT GROU A1-4 RECOR (CEMENT GROU A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1</td>	17-18 UTES 35-37 FEET 42 DUDY 46-49 GPM. PPLY	CORD -FEET TO 20-23 0085 27-30 IN D LOT	SIZE(S) (SLOT N MATERI O S (SLOT N MATERI O S (S S S S S S S S S S S S S S S S S	or OPENING al AND TYPE UGGIN I AT - FEET TO 1 4-17 1 22-25 9 30-33 OCATIOI W SHOW DIST/ TE NORTH BY TO TO TO TO TO TO TO TO TO TO	31-33 G & S MATERIAL 80 N OF V NNCES OF WEI ARROW. C	DIAMETER 34- INCO OF SCREE E A LING AND TYPE NELL IL FROM ROAD A D T Z Y	RECOR RECOR (CEMENT GROU A1-4 RECOR (CEMENT GROU A1-4 RECOR (CEMENT GROU A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1-4 A1
41         WA I           Matter Found         In-13           10-13         2           10-13         2           20-23         1           20-23         1           20-23         1           20-23         1           20-23         1           20-23         1           20-23         1           20-23         1           20-23         1           2         25-28           1         2           30-33         1           2         2           30-33         1           2         19-           PUMP         STATIC           IF FLOWING, FEE         19-           010         FEE           RECOMMENDED P         19-           010         FEE           FINAL         STATUS           OF WELL         WATER           USE         (           METHOD         OF           DELUINIC         0	ER       RECORD         KIND OF WATER         FRESH       3         SALTY       4         MINERAL         FRESH       3         SALTY       4         MINERAL         FRESH       3         SALTY       4         MINERAL         FRESH       3         SULPHUR       24         SALTY       4         MINERAL         FRESH       3         SULPHUR       24         SALTY       4         MINERAL         FRESH       3         SALTY       4         MINERAL         Code       25         WATER       2224         SET       225	51       CA SING         INSIDE       MATE         10-11       STEE         2       GALV         3       CONC         4       OPEN         17-18       STEE         2       GALV         3       CONC         4       OPEN         24-25       1         3       CONC         4       OPEN         2       GALV         3       CONC         4       OPEN         2       GALV         3       CONC         4       OPEN         2       GALV         3       CONC         4       OPEN         5       ABANDON         7       UNFINISH         5       COMMERCIAL         6       ABANDON         7       UNFINISH         5       COMMERCIAL	32     WALL       THICKNESS     THICKNESS       IL     12       ANIZED     188       CRETE     19       ANIZED     26       ANIZED     26       ANIZED     26       ANIZED     27       RETE     400000       1     1000000       2     15-16       2     15-16       2     15-16       2     15-00       1     1000000       2     15-16       2     1000000       1     1000000       32-34     60 MINU       45     FEET       45     FEET       45     FEET       0.0006	17-18 0 LE RE DEPTH FROM 0 0 0 0 0 0 0 0 0 0 0 0 0	CORD -FEET TO 20-23 0073 27-30 IN D LOT	SIZE(5) (SLOT N MATERI O S (SLOT N S (SLOT N SLOT N S (SLOT N SLOT N SLO	OF OPENING 0.) AL AND TYPE UG GIN I 4-17 1 22-25 9 30-33 OCATIOI W SHOW DIST/ TE NORTH BY () () () () () () () () () ()	31-33 G & S MATERIAL 80 N OF V NCES OF WEI ARROW.	DIAMETER 34- INCA DEPTH TO T OF SCREE E A LING AND TYPE NELL IL FROM ROAD A A C T Z Y	RECOR RECOR
41         WA I           Matter Found         In-13           285         2           10-13         2           285         2           10-13         2           20-23         1           2         2           20-23         1           2         2           30-33         1           2         2           30-33         1           2         1           2         1           2         1           2         1           2         1           2         1           2         1           2         1           2         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1	ER       RECORD         KIND OF WATER         FRESH       3         SALTY       4         MINERAL         SALTY       4         SALTY       4         MINERAL         SALTY       4         MINERAL         SALTY       4         MINERAL         SALTY       4         FRESH       3         SULPHUR       24         SALTY       4         MINERAL       21         SALTY       4         MINERAL       21         SALTY       4         MINERAL       22         SALTY       4         MINERAL       23         SALTY       4         MINERAL       24         SALTY       4         MINERAL       25         WATER       25         WATER       25         WATER       25         WATER       25         SALTY       9         WATER       24         SUMPHUR       25         SUMPHUR       25         SALTY       9 <t< td=""><td>51       CA SING         INSIDE       MATE         INSIDE       AM         INSIDE       AM         INCHES       STEE         10-11       STEE         2       GALV         3       CONC         4       OPEN         17-16       STEE         2       GALV         3       CONC         4       OPEN         24-25       STEE         2       GALV         3       CONC         24-25       STEE         2       GALV         3       CONC         4       OPEN         2       GALV         3       CONC         4       OPEN         2       GALV         3       CONC         4       OPEN         28       30         30       MINUTES         5       ABANDON         7       UNFINISH         5       COMMERCIAL         6       ABANDON         7       UNFINISH         5       COMMERCIAL         6       B</td><td>32     WALL       FIAL     THICKNESS       IL     12       ANIZED     INCHESS       IL     12       ANIZED     ISB       CRETE     19       ANIZED     SRETE       Y HOLE     19       CRETE     19       ANIZED     SRETE       Y HOLE     19       INIZED     SRETE       Y HOLE     26       ANIZED     SRETE       Y HOLE     10       ITION OF PUMPING     20       2     RECOVERY       SO RINUE     32-34       60 MINU     60       1 DE UMPING     20       2 RECOVERY     60 MINU       35 MINUTES     60 MINU       35 FEET     45       RED, INSUFFICIENT SUI     60 MINU       IED, POOR QUALITY     10       ED     NOT USED       SORING     00 6</td><td>43 OLE RE DEPTH- FROM C C C C C C C C C C C C C</td><td>CORD -FEET TO 20-23 0085 27-30 IN D LOT</td><td>SIZE(S) (SLOT N MATERI O S (SLOT N SLOT N SL</td><td>or OPENING O.) AL AND TYPE UGGIN I AT - FEET TO I 14-17 I 22-25 9 30-33 OCATIOI W SHOW DIST/ ITE NORTH BY CO I A I AND TYPE</td><td>G &amp; S MATERIAL 80 N OF V INCES OF WEI ARROW.</td><td>DIAMETER 34- INCO OF SCREEL EALING AND TYPE L NELL LL FROM ROAD A OT Z Y</td><td>RECOR RECOR (CEMENT GROU (CEMENT GROU (CEMEN</td></t<>	51       CA SING         INSIDE       MATE         INSIDE       AM         INSIDE       AM         INCHES       STEE         10-11       STEE         2       GALV         3       CONC         4       OPEN         17-16       STEE         2       GALV         3       CONC         4       OPEN         24-25       STEE         2       GALV         3       CONC         24-25       STEE         2       GALV         3       CONC         4       OPEN         2       GALV         3       CONC         4       OPEN         2       GALV         3       CONC         4       OPEN         28       30         30       MINUTES         5       ABANDON         7       UNFINISH         5       COMMERCIAL         6       ABANDON         7       UNFINISH         5       COMMERCIAL         6       B	32     WALL       FIAL     THICKNESS       IL     12       ANIZED     INCHESS       IL     12       ANIZED     ISB       CRETE     19       ANIZED     SRETE       Y HOLE     19       CRETE     19       ANIZED     SRETE       Y HOLE     19       INIZED     SRETE       Y HOLE     26       ANIZED     SRETE       Y HOLE     10       ITION OF PUMPING     20       2     RECOVERY       SO RINUE     32-34       60 MINU     60       1 DE UMPING     20       2 RECOVERY     60 MINU       35 MINUTES     60 MINU       35 FEET     45       RED, INSUFFICIENT SUI     60 MINU       IED, POOR QUALITY     10       ED     NOT USED       SORING     00 6	43 OLE RE DEPTH- FROM C C C C C C C C C C C C C	CORD -FEET TO 20-23 0085 27-30 IN D LOT	SIZE(S) (SLOT N MATERI O S (SLOT N SLOT N SL	or OPENING O.) AL AND TYPE UGGIN I AT - FEET TO I 14-17 I 22-25 9 30-33 OCATIOI W SHOW DIST/ ITE NORTH BY CO I A I AND TYPE	G & S MATERIAL 80 N OF V INCES OF WEI ARROW.	DIAMETER 34- INCO OF SCREEL EALING AND TYPE L NELL LL FROM ROAD A OT Z Y	RECOR RECOR (CEMENT GROU (CEMENT GROU (CEMEN
41         WA I           MATE FEDUND         AT - FEET           10-13         2           20-23         1           20-23         1           20-23         1           20-23         1           20-23         1           20-23         1           20-23         1           20-23         1           20-23         1           2         25-28           1         2           30-33         1           2         2           30-33         1           2         10           FUMPING TEST M         FUMPING           STATIC         19-           010         FEE	ER       RECORD         KIND OF WATER         FRESH       3         SALTY       4         MINERAL         FRESH       3         SALTY       4         MINERAL         SALTY       4         MINERAL         FRESH       3         SULPHUR       24         SALTY       4         MINERAL         FRESH       3         SULPHUR       21         SALTY       4         MINERAL         FRESH       3         SALTY       4         MINERAL         FRESH       3         SALTY       4         MINERAL         SUMPUMP         SALTY <td>51       CA SING         INSIDE       MATE         INCHES       STEE         10-11       STEE         2       GALV         3       CONC         4       OPEN         17-18       STEE         2       GALV         3       CONC         4       OPEN         22       GALV         3       CONC         4       OPEN         24-25       1         2       GALV         3       CONC         4       OPEN         24-25       1         5       CALV         3       CONC         4       OPEN         5       CALV         5       COMMERCIAL         6       MUNICIPAL         7       PUBLIC SUPP         8       COOLING OR         6       B         9       D</td> <td>32         32         32         32         32         32         32         32         32         32         32         34         34         34         34         35         36         37         38         38         38         38         38         38         38         38         38         38         38         39         30         30         31         32         34         32         32         32         32         32         32         32         32         32         32         32         32         45         FEET         45         60         60         60         60         60     <!--</td--><td>43 OLE RE DEPTH FROM C C C C C C C C C C C C C</td><td>CORD -FEET TO 20-23 0085 27-30 IN D LOT </td><td>SIZE (S) SIZE (S) (SLOT N MATERI U MATERI U S FROM 10-1 18-2 26-2 LO NDICA S S S S S S S S S S S S S</td><td>OF OPENING O, OPENING AL AND TYPE UGGIN I UGGIN I T AT - FEET TO 3 14-17 1 22-25 9 30-33 OCATIOI W SHOW DIST/ TE NORTH BY CO A 3 00 14-17 1 22-25 9 30-33 OCATIOI W SHOW DIST/ TE NORTH BY CO A CO A CO A CO A CO CO CO CO CO CO CO CO CO CO</td><td>G &amp; S MATERIAL BO N OF V INCES OF WEI ARROW. C S S S S S S S S S S S S S S S S S S</td><td>DEPTH TO TO OF SCREE EALING AND TYPE NELL ILL FROM ROAD A C T Z Y D D D 1 ECEIVED 93027</td><td>Image: Solution of the second secon</td></td>	51       CA SING         INSIDE       MATE         INCHES       STEE         10-11       STEE         2       GALV         3       CONC         4       OPEN         17-18       STEE         2       GALV         3       CONC         4       OPEN         22       GALV         3       CONC         4       OPEN         24-25       1         2       GALV         3       CONC         4       OPEN         24-25       1         5       CALV         3       CONC         4       OPEN         5       CALV         5       COMMERCIAL         6       MUNICIPAL         7       PUBLIC SUPP         8       COOLING OR         6       B         9       D	32         32         32         32         32         32         32         32         32         32         32         34         34         34         34         35         36         37         38         38         38         38         38         38         38         38         38         38         38         39         30         30         31         32         34         32         32         32         32         32         32         32         32         32         32         32         32         45         FEET         45         60         60         60         60         60 </td <td>43 OLE RE DEPTH FROM C C C C C C C C C C C C C</td> <td>CORD -FEET TO 20-23 0085 27-30 IN D LOT </td> <td>SIZE (S) SIZE (S) (SLOT N MATERI U MATERI U S FROM 10-1 18-2 26-2 LO NDICA S S S S S S S S S S S S S</td> <td>OF OPENING O, OPENING AL AND TYPE UGGIN I UGGIN I T AT - FEET TO 3 14-17 1 22-25 9 30-33 OCATIOI W SHOW DIST/ TE NORTH BY CO A 3 00 14-17 1 22-25 9 30-33 OCATIOI W SHOW DIST/ TE NORTH BY CO A CO A CO A CO A CO CO CO CO CO CO CO CO CO CO</td> <td>G &amp; S MATERIAL BO N OF V INCES OF WEI ARROW. C S S S S S S S S S S S S S S S S S S</td> <td>DEPTH TO TO OF SCREE EALING AND TYPE NELL ILL FROM ROAD A C T Z Y D D D 1 ECEIVED 93027</td> <td>Image: Solution of the second secon</td>	43 OLE RE DEPTH FROM C C C C C C C C C C C C C	CORD -FEET TO 20-23 0085 27-30 IN D LOT 	SIZE (S) SIZE (S) (SLOT N MATERI U MATERI U S FROM 10-1 18-2 26-2 LO NDICA S S S S S S S S S S S S S	OF OPENING O, OPENING AL AND TYPE UGGIN I UGGIN I T AT - FEET TO 3 14-17 1 22-25 9 30-33 OCATIOI W SHOW DIST/ TE NORTH BY CO A 3 00 14-17 1 22-25 9 30-33 OCATIOI W SHOW DIST/ TE NORTH BY CO A CO A CO A CO A CO CO CO CO CO CO CO CO CO CO	G & S MATERIAL BO N OF V INCES OF WEI ARROW. C S S S S S S S S S S S S S S S S S S	DEPTH TO TO OF SCREE EALING AND TYPE NELL ILL FROM ROAD A C T Z Y D D D 1 ECEIVED 93027	Image: Solution of the second secon
41         WA I           Matter Found         I           AT - Feet         I           10-13         2           285         2           15-18         1           20-23         1           2         2           30-33         1           2         2           30-33         1           2         2           30-33         1           2         19-           PUMPING TEST M         PUMP           STATIC         19-           0         10           FINAL         STATUS           OF         WELL           WATER         USE           WATER         USE           METHOD         OF           DRILLING         NAME OF WELL	ER       RECORD         KIND OF WATER         FRESH       3         SALTY       4         MINERAL         FRESH       3         SALTY       4         MINERAL         FRESH       3         SALTY       4         MINERAL         FRESH       3         SULPHUR       24         GRESH       3         SULPHUR       24         GRESH       3         SULPHUR       24         GRESH       3         SULPHUR       24         MINERAL       5         SULPHUR       24         MINERAL       25         WATER       2006         WATER       25         WATER       22-24         SALTY       4         MINERAL       25         WATER       2006         WATER       25         SUMP TYPE       RECOMMENDE         WATER       22-24         SUMP TYPE       RECOMMENDE         WMP TYPE       RECOMMENDE         WATER LEVEL       25         GPM. /FT. SPECI	51       CA SING         INSIDE       MATE         10-11       STEE         2       GALV         3       CONC         4       OPEN         17-18       STEE         2       GALV         3       CONC         4       OPEN         24-25       I         3       CONC         4       OPEN         2       GALV         3       CONC         4       OPEN         2       GALV         3       CONC         4       OPEN         2       GALV         3       CONC         4       OPEN         5       COMMERCIAL         6       ABANDON         7       UNFINISH         5       COMMERCIAL         6       ABANDON         7       UNFINISH	32         32         32         34         CREAL         THICKNESS INCHESS         12         ANIZED         CRETE         19         ANIZED         CRETE         10         ANIZED         CRETE         19         ANIZED         CRETE         NHOLE         10         CRETE         NHOLE         10         CRETE         NHOLE         10         11000 OF PUMPING         2         RECOVERY         15 <minutes< td="">         SO MINUTES         32-34         45         FEET         45         CLEAR         2         CLEAR         CLEAR         CLEAR         CLEAR         2         NOT USED         SORING         DIAMOND         LICENCE NUMBEF         SORING         DIAMOND         LETTING         SORIVING</minutes<>	43 OLE RE DEPTH FROM C C C C C C C C C C C C C	CORD -FEET TO 20-23 0073 27-30 IN D LOT LOT ATA SOURCE DATA SOURCE DATA DATA	SIZE (S) (SLOT N MATERI O O MATERI O O MATERI O O III IB-2 CO IIII IB-2 CO IIIII IB-2 CO IIIII IB-2 CO IIIIII IB-2 CO IIIIII IB-2 CO IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	OF OPENING O, OPENING AL AND TYPE UGGIN I 4-17 I 22-25 9 30-33 OCATIOI W SHOW DIST/ TE NORTH BY CO TO TO TO TO TO TO TO TO TO T	31-33 G & S MATERIAL BO N OF V NCES OF WEI ARROW. C S9-62 DATE RE TOR	EELL ECEIVED ECEIVED DIAMETER 34- INC INC DEPTH TO T OF SCREEN INC INC INC INC INC INC INC IN	Image: Solution of the second secon
A1       WAT         WATE       FOUND         AT       - FEET         10-13       2         10-13       2         20-23       1         20-23       1         20-23       1         20-23       1         20-23       1         20-23       1         20-23       1         20-23       1         2       2         20-33       1         2       2         30-33       1         2       2         30-33       1         2       19-         PUMPINE TEST M       19-         STATIC       19-         D10       FEE         RECOMMENDED P       19-         SHALLO       50-53         STATUS       OF WELL         WATER       USE         WATER       USE         MAME OF WELL       Address         Address       R. R.         NAME OF DRILLING       Address	ER       RECORD         KIND OF WATER         FRESH       3       SULPHUR         SALTY       4       MINERAL         ETHOD       10       PUMPING         WATER       LEP       25         WATER       LER OR       25         WATER       LECOMMENDE         PUMP INTAKE       SETTING         GPM.       22       25         WATER       SUPPLY       2         OBSERVATION WE       3       TEST HOLE         1	51       CA SING         INSIDE       MATE         10-11       STEE         10-11       STEE         10-11       STEE         10-11       STEE         2       GALV         3       CONC         4       OPEN         17-16       STEE         2       GALV         3       CONC         4       OPEN         24-25       STEE         2       GALV         3       CONC         24-25       STEE         2       GALV         3       CONC         4       OPEN         2       GALV         3       CONC         4       OPEN         2       GALV         3       CONC         4       OPEN         5       SO         70       FEET         71       PUBLIC         5       COMMERCIAL         6       ABANDON         7       UNFINISH         5       COMMERCIAL         6       B         7       UNFINISH	32         32         32         34         WALL THICKNESS INCHESS INCHESS         12         ANIZED         CRETE         4 HOLE         19         ANIZED         CRETE         4 HOLE         19         ANIZED         CRETE         4 HOLE         10         V HOLE         TION OF PUMPING         2         RECOVERY         45         FEET         45         7         CLEAR         20         CLEAR         21         CLEAR         22         CLEAR         21         CLEAR         22         CLEAR         21         CLEAR         21         CLEAR         22         CLEAR         23:34         60         MINUTES         IED, INSUFFICIENT SUI         IED, NOT USED         BORING         DINOT USED         BOR	43 OLE RE DEPTH FROM C C C C C C C C C C C C C	LLERS REMARKS	SIZE (S) (SLOT N MATERI O O O MATERI O MATERI O O O O O O O O O O O O O	OF OPENING 0.) AL AND TYPE UG GIN I 4-17 I 22-25 9 30-33 OCATIOI I 22-25 9 30-33 OCATIOI I 22-25 9 30-33 OCATIOI I 4-17 I 22-25 OCATIOI I 4-17 I 22-25 OCATIOI I 4-17 I 22-25 OCATIOI I 4-17 I 22-25 OCATIOI I 4-17 I 22-25 I 4-17 I 1 22-25 OCATIOI I 4-17 I 1 22-25 OCATIOI I 4-17 I 1 22-25 OCATIOI I 1 22-25 I	G & S MATERIAL 80 N OF V INCES OF WEI ARROW. 10 59-62 DATE RE	DIAMETER 34- INCO DEPTH TO TO OF SCREEL EALING NELL NELL LL FROM ROAD A C T Z Z Z Z Z Z Z Z Z Z Z Z Z	RECOR RECOR (CEMENT GROL EAD PACKER, E ND ND A A A A A A A A A A A A A A A A A

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I WA						SIZE(S) OF O	PENING	31-33 DIAMET	ER 34-38 L	ENGTH
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TER FOUND T - FEET	$\frac{14}{1000}$ KIND OF WATER FRESH ³ ULPHUR ¹⁴ SALTY ⁴ MINERAL	INSIDE MU INSIDE MU INCHES 10-11 1 5	SING & OPEN H ATERIAL HICKNES INCINES INCINES INCINES	43 HOLE RECOF		Z (SLOT NO.)	PENING ND TYPE	31-33 DIAMET	ER 34-38 L INCHES DEPTH TO TOP OF SCREEN	ENGTH 41-44 FEE
TER FOUND AT - FEET 2 230 ⁰⁻¹³ 1 2 15-18 1 2 2	KIND OF WATER FRESH 3 SULPHUR SALTY 4 MINERAL FRESH 3 SULPHUR SALTY 4 MINERAL	51 CA: DIAM INCHES 06 2 G 3 C C 4 C O	SING & OPEN H ATERIAL WALL THICKNES INCKES NEEL 12 ALVANIZED ONCRETE PEN HOLE	43 HOLE RECOF	RD FEET TO CO21	MATERIAL A	PENING ND TYPE PLUGGIN(	31-33 DIAMET	ER 34-38 L INCHES DEPTH TO TOP OF SCREEN	41-44 FEE PRD
TER FOUND AT - FEET 22 15-18 20-23 1 20-23 1 2 2 2 2 2 2 2 2 2 2 2 2 2	KIND OF WATER       FRESH 3 USUPHUR       SALTY 4 MINERAL       FRESH 3 SULPHUR       SALTY 4 MINERAL       FRESH 3 SULPHUR       SALTY 4 MINERAL       SALTY 4 MINERAL	51 CA: DIAM INCHES 06 20 03 C 17-18 1 S 06 20 03 C 17-18 1 S 20 6 20 0 17-18 1 S 20 0 20	SING & OPEN H ATERIAL HICKNES INCLES NEEL 12 ALVANIZED ONCRETE FEEL 19 ALVANIZED ONCRETE	43 HOLE RECOP	RD FEET TO 20-23	ATERIAL A MATERIAL A MATERIAL A MATERIAL A DEPTH SET AT FROM 10-12	PENING ND TYPE PLUGGIN( - FEET TO 14-17	31-33 DIAMET	ER 34-38 L INCHES DEPTH TO TOP OF SCREEN ING RECO TYPE (CEME LEAD PA	A1-44 FEE PRD NT GROUT. ICKER, ETC.
TER FOUND           YT - FEET           22300-13           12           15-18           1           20-23           1           20-23           1           2           20-23           1           2           20-23           1           2           2           2           2           2           2           2           2           2           2           2           2           2           2           2           2           2           2           2           2           2           2           2           2           2           2           2           2           2           2           2           2           2           2           2	KIND OF WATER         FRESH 3       SULPHUR         SALTY 4       MINERAL         SALTY 4       MINERAL	51 CAS DIAM INCIDE DIAM INCIDE 06 2 G 3 C 4 0 17-18 1 S 06 3 C 4 0 17-18 1 S 06 3 C 2 G 06 3 C 2 G 06 3 C 2 G 0 C 4 C 3 C 4 C 4 C 3 C 4 C 4 C 3 C 4 C 3 C 4 C 4 C 3 C 4	SING & OPEN H ATERIAL WALL THICKNES INCLES NEEL 12 ALVANIZED ONCRETE PEN HOLE TEEL 19 ALVANIZED ONCRETE PEN HOLE TEEL 26	43 HOLE RECOP	RD TO TO TO TO TO TO TO TO TO TO	ATERIAL A MATERIAL A MATERIAL A G1 DEPTH SET AT FROM 10-13 18-21	PENING ND TYPE PLUGGIN( - FEET TO 14-17 22-25	31-33 DIAMET	ER 34-38 L INCHES DEPTH TO TOP OF SCREEN ING RECO TYPE (CEME LEAD PA	41-44 FEE RD NT GROUT, ICKER, ETC
TER FOUND           1T - FEET           2300-13           12           15-18           1           20-23           1           20-23           1           2           20-23           1           2           20-23           1           2           30-33           1	KIND OF WATER         FRESH 3       SULPHUR         SALTY 4       MINERAL	51 CAS DIAM INCHES 06 20 6 0 0 17-18 1 S 06 30 C 17-18 1 S 10 S 1	SING & OPEN H ATERIAL HICKNES INCLES NEEL 12 ALVANIZED ONCRETE PEN HOLE TEEL 26 ALVANIZED ONCRETE PEN HOLE TEEL 26 ALVANIZED ONCRETE DEN HOLE	43 HOLE RECOP	RD TO TO TO TO TO TO TO TO TO TO	SIZE(S) OF D           (SLOT NO.)           MATERIAL A           O           61           DEPTH SET AT           FROM           10-13           18-21           26-29	PENING ND TYPE PLUGGIN( - FEET TO 14-17 22-25 30-33 80	31-33 DIAMET	ER 34-38 L INCHES DEPTH TO TOP OF SCREEN ING RECO TYPE (CEME LEAD PA	41-44 FEE PRD NT GROUT. ICKER, ETC
TER FOUND T - FEET 230-13 1 2 15-18 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 20-23 1 2 2 20-23 1 2 2 2 2 2 2 2 2 2 2 2 2 2	KIND OF WATER         FRESH 3       SULPHUR         SALTY 4       MINERAL	51 CAS DIAM. INCIDE DIAM. INCIDE 06 20 G 20 C 24-25 V 20 C 24-25 V 30 C 24-25 V 30 C 30 C 40 C 40 C 40 C 40 C 40 C 40 C 40 C 4	SING & OPEN H ATERIAL HICKNES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES	43 HOLE RECOP	RD TO TO TO TO TO TO TO TO TO TO	SIZE(S) OF 0           (SLOT NO.)           MATERIAL A           O           DEPTH SET AT           FROM           10-13           18-21           26-29           LOCC	PENING ND TYPE PLUGGIN( - FEET TO 14-17 22-25 30-33 80 ATION O	31-33 DIAMET	ING RECO	41-44 FEE PRD NT GROUT. CKER. ETC
TER FOUND NT - FEET 225-28 15-18 1 2 20-23 1 2 20-23 1 2 2 20-23 1 2 2 2 2 2 2 2 2 2 2 2 2 2	KIND OF WATER         FRESH 3       SULPHUR         SALTY 4       MINERAL         SALTY 4       MINERAL         SALTY 4       MINERAL         FRESH 3       SULPHUR         SALTY 4       MINERAL	51 CAS DIAM. INSTIDE DIAM. INCHES 06 10-11 10-11 105 06 10-11 105 06 10-11 105 06 10-11 105 06 10-11 105 06 10-11 105 06 10-11 105 06 10-11 105 06 10-11 105 06 10-11 105 06 10-11 105 06 10-11 105 06 10-11 105 06 10-11 105 06 10-11 105 06 10-11 105 06 10-11 105 06 10-11 105 06 10-11 105 06 10-11 105 00 00 10-11 105 00 00 10-11 105 00 00 10-11 105 00 00 10-11 105 00 00 10-11 105 00 00 10-11 105 00 00 00 00 00 00 00 00 00	SING & OPEN H ATERIAL HICKNES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES	43 HOLE RECOF	RD TO TO TO TO TO TO TO TO TO TO	SIZE(S) OF 0           (SLOT NO.)           MATERIAL A           O           61           DEPTH SET AT           FROM           10-13           18-21           26-29           LOCC           RAM BELOW SF	PENING ND TYPE PLUGGIN( - FEET TO 14-17 22-25 30-33 80 ATION O NOW DISTANCE	S & SEAL S & SEAL ATERIAL AND F WELL S OF WELL	ER 34-38 L INCHES DEPTH TO TOP OF SCREEN ING RECO TYPE (CEME LEAD PA LEAD PA	41-44 FEE PRD NT GROUT. CKER. ETC
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TER FOUND TER FOUND TER FOUND 2300-13 1 24 15-18 1 2 20-23 1 2 20-23 1 2 2 20-23 1 2 2 2 2 2 2 2 2 2 2 2 2 2	KIND OF WATER         KIND OF WATER         FRESH 3       SULPHUR         SALTY 4       MINERAL         SALTY 4       MINERAL         SALTY 4       MINERAL         SALTY 4       MINERAL         WATER       23         WATER       23         WATER LEVEL       23         WATER LEVEL       24         WATER LEVEL       23         WATER LEVEL       24         SALTY       15 MINUTE         24       24         SALTY       24	51 CAS DIAM. INSTIDE DIAM. INCHES 06 20 G 20 G	SING & OPEN H ATERIAL WALL THICKNES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES	43 HOLE RECOF	RD FEET TO 20-23 22-30 27-30 IN NAGE	ATERIAL A SIZE(S) OF D (SLOT NO.) MATERIAL A O 61 DEPTH SET AT FROM 10-13 18-21 26-29 LOC RAM BELOW SHEE. INDICATE	PENING ND TYPE PLUGGIN( - FEET TO 14-17 22-25 30-33 80 ATION O IOW DISTANCE NORTH BY AF	S & SEAL	ER 34-38 L INCHES DEPTH TO TOP OF SCREEN ING RECO TYPE LEAD PR LEAD PR LEAD PA	41-44 FEE PRD NT GROUT CKER. ETC. 338 ND
TER FOUND T - FEET 230-13 1 24 15-18 1 2 20-23 1 2 20-23 1 2 2 20-23 1 2 2 2 30-33 1 2 2 30-33 1 3 2 2 30-33 1 1 2 2 30-33 1 1 2 2 30-33 1 1 2 2 30-33 1 1 2 2 30-33 1 1 2 3 3 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 1 2 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	KIND OF WATER         KIND OF WATER         FRESH 3       SULPHUR         SALTY 4       MINERAL         SALTY 4       MINERAL         SALTY 4       MINERAL         SALTY 4       MINERAL         WATER       23         WATER       23         WATER LEVEL       23         WATER LEVEL       24         WATER LEVEL       23         WATER LEVEL       24         SALTY       15         SALTY       22-24         SALTY       15         SALTY       4	51       CA:         INSTIDE       DIAM.         INSTIDE       MA         INCHES       MA         10-11       1         06       2         06       2         06       3         06       3         06       3         06       3         06       3         06       3         06       3         2       3         2       6         3       0         4       0         2       6         3       0         80       2         2       6         3       0         80       2         80       3         0       4         0       0         4       0         4       0         5       30         10       10         6       28         11       10         0       10         12       10         13       10         14       0	SING & OPEN H ATERIAL HICKNES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES	43 HOLE RECOF JEPTH - 1 FROM 0 17-18 INUTES 35-37 FEET 42 ILOUDY	RD FEET TO 20-23 22-23 22-30 27-30 IN NAGE	A SIZE(S) OF D (SLOT NO.) MATERIAL A O O A A A A A A A A A A A A A A A A A	PENING ND TYPE PLUGGIN( - FEET TO 14-17 22-25 30-33 80 ATION O NORTH BY AF	S & SEAL	ER 34-38 L INCHES DEPTH TO TOP OF SCREEN ING RECO TYPE LEAD PR LEAD PR LEAD PA	41-44 FEE PRD NT GROUT. CKER. ETC.
TER FOUND T - FEET 2300-13 1 24 15-18 1 2 20-23 1 2 20-23 1 2 20-23 1 2 2 20-23 1 2 2 2 30-33 1 2 2 2 30-33 1 2 2 2 30-33 1 2 2 2 30-33 1 2 2 2 30-33 1 2 2 2 2 30-33 1 2 2 2 30-33 1 2 2 2 2 2 2 2 2 2 2 2 2 2	KIND OF WATER         KIND OF WATER         FRESH 3       SULPHUR         SALTY 4       MINERAL         "400       PUMPING         WATER LEVEL       23         WATER LEVEL       24         WATER LEVEL       25         WATER LEVEL       24         SALTY       22-24         IS MINUTE       24         WATER LEVEL       25         WATER       24         BALLER       DOP         GPM       GPM         UMP TYPE       RECOMMENT         W	51         CAS           INSIDE         IAM.           INSIDE         MA           INCHES         MA           INCHES </td <td>SING &amp; OPEN H ATERIAL HICKNES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES</td> <td>43 HOLE RECOF JE FROM C 17-18 INUTES 35-37 FEET 42 ILOUDY 46-49 GPM</td> <td>RD FEET TO 20-23 22-23 22-30 27-30 IN NAGE</td> <td>ATERIAL A SIZE(S) OF D (SLOT NO.) MATERIAL A 61 DEPTH SET AT FROM 10-13 18-21 26-29 LOC. RAM BELOW SFE. INDICATE</td> <td>PENING ND TYPE PLUGGIN( - FEET TO 14-17 22-25 30-33 80 ATION O IOW DISTANCE NORTH BY AR</td> <td>S &amp; SEAL</td> <td>ER 34-38 L INCHES DEPTH TO TOP OF SCREEN ING RECO TYPE LEAD PR LEAD PA</td> <td>A1-44 FEE PRD NT GROUT. CKER. ETC.</td>	SING & OPEN H ATERIAL HICKNES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES	43 HOLE RECOF JE FROM C 17-18 INUTES 35-37 FEET 42 ILOUDY 46-49 GPM	RD FEET TO 20-23 22-23 22-30 27-30 IN NAGE	ATERIAL A SIZE(S) OF D (SLOT NO.) MATERIAL A 61 DEPTH SET AT FROM 10-13 18-21 26-29 LOC. RAM BELOW SFE. INDICATE	PENING ND TYPE PLUGGIN( - FEET TO 14-17 22-25 30-33 80 ATION O IOW DISTANCE NORTH BY AR	S & SEAL	ER 34-38 L INCHES DEPTH TO TOP OF SCREEN ING RECO TYPE LEAD PR LEAD PA	A1-44 FEE PRD NT GROUT. CKER. ETC.
TER FOUND TER FOUND	KIND OF WATER         FRESH 3       SULPHUR         SALTY 4       MINERAL         WATER       23         WATER LEVEL       25         WATER LEVEL       25         WATER LEVEL       25         WATER LEVEL       24         IS MINUTE       24         WATER LEVEL       25         WATER LEVEL       24         BALLER       DOO         WATER LEVEL       25         WATER       24         BALLER       DOO         GPM       24         UMP TYPE       RECOMMENT         WW       DEEP       ETNO	51       CA:         INSIDE       INA         INSIDE       MA         INCHES	SING & OPEN H ATERIAL HICKNES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES	43 HOLE RECOF JE FROM C 17-18 MINS MINS 35-37 FEET 42 SLOUDY 46-49 GPM	RD FEET TO 20-23 22-30 27-30 IN NAGE NULINI	ATERIAL A SIZE(S) OF O (SLOT NO.) MATERIAL A 61 DEPTH SET AT FROM 10-13 18-21 26-29 LOC RAM BELOW SFE. INDICATE	PENING ND TYPE PLUGGIN( - FEET TO 14-17 22-25 30-33 80 ATION O IOW DISTANCE NORTH BY AR	S & SEAL	ER 34-38 L INCHES DEPTH TO TOP OF SCREEN ING RECO TYPE LEAD PR LEAD PA FROM ROAD A	A1-44 FEE PRD NT GROUT. CKER. ETC.
TER FOUND TER FOUND TER FOUND TER FOUND TER FOUND TER FEET 1 2 2 2 2 2 2 2 2 2 2 2 2 2	KIND OF WATER         KIND OF WATER         FRESH 3       SULPHUR         SALTY 4       MINERAL         "400       10         PUMPING       PUMPING         "400       PUMPING RA         WATER LEVEL       25         WATER LEVEL       25         WATER LEVEL       25         WATER LEVEL       25         WATER LEVEL       24         WATER LEVEL       24         WATER SUPPLY       2         WMP TYPE       RECOMMENT         WM        FTTTTTTTTTTT	51       CA:         INSIDE       DIAM.         INSIDE       MA         INCHES       MA         INCHES <td>SING &amp; OPEN H ATERIAL HICKNES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES</td> <td>43 HOLE RECOF</td> <td>RD FEET TO 20-23 22-23 22-30 27-30 IN NAGE NULINI NULINI NULINI NULINI</td> <td>ATERIAL A MATERIAL A 61 DEPTH SET AT FROM 10-13 18-21 26-29 LOC RAM BELOW SF E. INDICATE</td> <td>PENING ND TYPE PLUGGIN( - FEET TO 14-17 22-25 30-33 80 ATION O NOW DISTANCE E NORTH BY AR</td> <td>S &amp; SEAL</td> <td>ING RECO</td> <td>A1-44 FEE PRD NT GROUT. CKER. ETC</td>	SING & OPEN H ATERIAL HICKNES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES	43 HOLE RECOF	RD FEET TO 20-23 22-23 22-30 27-30 IN NAGE NULINI NULINI NULINI NULINI	ATERIAL A MATERIAL A 61 DEPTH SET AT FROM 10-13 18-21 26-29 LOC RAM BELOW SF E. INDICATE	PENING ND TYPE PLUGGIN( - FEET TO 14-17 22-25 30-33 80 ATION O NOW DISTANCE E NORTH BY AR	S & SEAL	ING RECO	A1-44 FEE PRD NT GROUT. CKER. ETC
TER FOUND TER FOUND	KIND OF WATER         KIND OF WATER         FRESH 3       SULPHUR         SALTY 4       MINERAL         '400       10       PUMPING RA         WATER LEVEL       25         SUMP INTAK       GPM.         UMP TYPE       GPM.         WATER SUPPLY       2         OBSERVATION W       3         DEEP       SETTING <t< td=""><td>51       CA:         INSIDE       DIAM.         INSIDE       MA         INCHES       A         INCHES       A         INCHES       C         06       2         06       3         17-16       I         2       G         3       C         4       0         17-16       S         2       G         3       C         4       0         2       G         3       C         4       0         2       G         3       C         4       0         2       G         3       C         4       0         4       0         4       0         4       0         6       ABANC         7       UNFIN         5       ABANC         7       UNFIN</td><td>SING &amp; OPEN H ATERIAL HICKNES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES</td><td>A3 HOLE RECOF</td><td>RD TO TO 20-23 22-30 27-30 TN BLAGE T T T T T T T T T T T T T</td><td>ATERIAL A MATERIAL A 61 DEPTH SET AT FROM 10-13 18-21 26-29 LOCC RAM BELOW SH E. INDICATE</td><td>PENING ND TYPE PLUGGIN( - FEET TO 14-17 22-25 30-33 80 ATION O NOW DISTANCE NORTH BY AR</td><td>31-33 DIAMET</td><td>ING RECO</td><td>A1-44 FEE PRD NT GROUT. CKER. ETC.</td></t<>	51       CA:         INSIDE       DIAM.         INSIDE       MA         INCHES       A         INCHES       A         INCHES       C         06       2         06       3         17-16       I         2       G         3       C         4       0         17-16       S         2       G         3       C         4       0         2       G         3       C         4       0         2       G         3       C         4       0         2       G         3       C         4       0         4       0         4       0         4       0         6       ABANC         7       UNFIN         5       ABANC         7       UNFIN	SING & OPEN H ATERIAL HICKNES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES	A3 HOLE RECOF	RD TO TO 20-23 22-30 27-30 TN BLAGE T T T T T T T T T T T T T	ATERIAL A MATERIAL A 61 DEPTH SET AT FROM 10-13 18-21 26-29 LOCC RAM BELOW SH E. INDICATE	PENING ND TYPE PLUGGIN( - FEET TO 14-17 22-25 30-33 80 ATION O NOW DISTANCE NORTH BY AR	31-33 DIAMET	ING RECO	A1-44 FEE PRD NT GROUT. CKER. ETC.
TER FOUND TER FOUND	KIND OF WATER         KIND OF WATER         FRESH 3       SULPHUR         SALTY 4       MINERAL         "400       10         PUMPING       PUMPING         "400       PUMPING RA         WATER LEVEL       25         WATER SUPPLY       2         OBSERVATION W       3         TYPE       SUMATER SUPPLY         2       OBSERVATION W <t< td=""><td>51       CA:         INSIDE       DIAM.         INSIDE       MA         INSIDE       MA         INCIS       10-11         INCIS       2         0       6         10-11       1         0       3         0       6         17-16       1         2       6         3       C         4       0         2       6         3       C         4       0         2       6         3       C         2       6         3       C         4       0         2       6         3       C         4       0         4       0         2       6         30       MINUTES         5       ABANC         6       ABANC         7       UNFIN         5       ABANC         7       UNFIN</td><td>SING &amp; OPEN H ATERIAL HICKNES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES</td><td>43 HOLE RECOF JEPTH - 1 FROM FROM C 17-18 MINS 7 17-18 MINS 7 17-18 MINS 7 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-</td><td>RD FEET TO 20-23 22-23 22-30 27-30 IN NAAGH NULINI NULINI NULINI NULINI</td><td>ATERIAL A MATERIAL A 61 DEPTH SET AT FROM 10-13 18-21 26-29 LOC. RAM BELOW SF E. INDICATE</td><td>PENING ND TYPE PLUGGIN( - FEET TO 14-17 22-25 30-33 80 ATION O NOW DISTANCE E NORTH BY AR</td><td>31-33 DIAMET</td><td>ING RECO</td><td>A1-44 FEE PRD NT GROUT. CKER. ETC.</td></t<>	51       CA:         INSIDE       DIAM.         INSIDE       MA         INSIDE       MA         INCIS       10-11         INCIS       2         0       6         10-11       1         0       3         0       6         17-16       1         2       6         3       C         4       0         2       6         3       C         4       0         2       6         3       C         2       6         3       C         4       0         2       6         3       C         4       0         4       0         2       6         30       MINUTES         5       ABANC         6       ABANC         7       UNFIN         5       ABANC         7       UNFIN	SING & OPEN H ATERIAL HICKNES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES	43 HOLE RECOF JEPTH - 1 FROM FROM C 17-18 MINS 7 17-18 MINS 7 17-18 MINS 7 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-	RD FEET TO 20-23 22-23 22-30 27-30 IN NAAGH NULINI NULINI NULINI NULINI	ATERIAL A MATERIAL A 61 DEPTH SET AT FROM 10-13 18-21 26-29 LOC. RAM BELOW SF E. INDICATE	PENING ND TYPE PLUGGIN( - FEET TO 14-17 22-25 30-33 80 ATION O NOW DISTANCE E NORTH BY AR	31-33 DIAMET	ING RECO	A1-44 FEE PRD NT GROUT. CKER. ETC.
TER FOUND TER FOUND TER FOUND TER FOUND TER FOUND TER FOUND TER FOUND TER FOUND TER FEET TER FOUND TER FOUND TER FEET TER FEET TER FOUND TER FEET TER TO TER FEET TER FEET	KIND OF WATER         KIND OF WATER         FRESH 3       SULPHUR         SALTY 4       MINERAL         "400       10         PUMPING       PUMPING RA         WATER LEVEL       25         WATER SUPPLY       2         OBSERVATION W       3         TYPE       PUMP         SALTY       A Colspan= 2         WATER SUPPLY       2	51       CA:         INSIDE       DIAM.         INSIDE       IN.         INSIDE       IN. </td <td>SING &amp; OPEN H ATERIAL HICKNES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES</td> <td>43 HOLE RECOF JEPTH - 1 FROM FROM C 17-18 MINS 7 17-18 MINS 7 17-18 MINS 7 17-18 MINS 7 17-18 17-18 MINS 7 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 18-17 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18</td> <td>RD FEET TO 20-23 22-23 22-30 27-30 IN NAAGH TLINI TLINI C</td> <td>ATERIAL A MATERIAL A 61 DEPTH SET AT FROM 10-13 18-21 26-29 LOC. RAM BELOW SF E. INDICATE</td> <td>PENING ND TYPE PLUGGIN( - FEET TO 14-17 22-25 30-33 40 ATION O NOW DISTANCE E NORTH BY AR</td> <td>31-33 DIAMET</td> <td>ER 34-38 L INCHES DEPTH TO TOP OF SCREEN ING RECO TYPE LEAD PA LEAD PA FROM ROAD A</td> <td>A1-44 FEE PRD NT GROUT, CKER, ETC.</td>	SING & OPEN H ATERIAL HICKNES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES INCLES	43 HOLE RECOF JEPTH - 1 FROM FROM C 17-18 MINS 7 17-18 MINS 7 17-18 MINS 7 17-18 MINS 7 17-18 17-18 MINS 7 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 18-17 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18 17-18	RD FEET TO 20-23 22-23 22-30 27-30 IN NAAGH TLINI TLINI C	ATERIAL A MATERIAL A 61 DEPTH SET AT FROM 10-13 18-21 26-29 LOC. RAM BELOW SF E. INDICATE	PENING ND TYPE PLUGGIN( - FEET TO 14-17 22-25 30-33 40 ATION O NOW DISTANCE E NORTH BY AR	31-33 DIAMET	ER 34-38 L INCHES DEPTH TO TOP OF SCREEN ING RECO TYPE LEAD PA LEAD PA FROM ROAD A	A1-44 FEE PRD NT GROUT, CKER, ETC.
TER FOUND TER FOUND	KIND OF WATER         KIND OF WATER         FRESH 3       SULPHUR         SALTY 4       MINERAL         "400       10         PUMPING       PUMPING         "400       PUMPING RAM         MATER LEVEL       25         WATER LEVEL       25         WATER LEVEL       25         WATER LEVEL       25         WATER SUPPLY       2         OBSERVATION W       3         TYPE       PUMP         SALTY       A INMERAL         UMP TYPE       Colspan="2">SULPHUR //FT. S	51       CA:         INSIDE       DIAM.         INSIDE       IN.         INSIDE       INSIDE         INSIDE	SING & OPEN H ATERIAL ATERIAL HICKNES INCLES	43 HOLE RECOF JEPTH - 1 FROM FROM C 17-18 MINS / INUTES 35-37 FEET 42 C C C C C C C C C C C C C	RD FEET TO 20-23 22-30 27-30 IN NAGE NULINI NULINI NULINI NULINI NULINI NULINI NULINI NULINI NULINI NULINI	ATERIAL A MATERIAL A 61 DEPTH SET AT FROM 10-13 18-21 26-29 LOC. RAM BELOW SF E. INDICATE	PENING ND TYPE PLUGGIN( - FEET TO 14-17 22-25 30-33 80 ATION O NOW DISTANCE E NORTH BY AR	31-33 DIAMET	ER 34-38 L INCHES DEPTH TO TOP OF SCREEN ING RECO TYPE LEAD PA LEAD PA FROM ROAD A	A1-44 FEE PRD NT GROUT, CKER, ETC.
TER FOUND TER FOUND	KIND OF WATER         KIND OF WATER         FRESH 3       SULPHUR         SALTY 4       MINERAL         "400       PUMPINA         MP       BAILER         WATER LEVEL       23         WATER LEVEL       24         WATER LEVEL       24         WATER LEVEL       25         WATER LEVEL       25         WATER SUPPLY       2         OBSERVATION W       3         TYPE       PUMP         SALTY       AUMATER SUPPLY         2       OBSERVATION W	51       CAS         INSIDE       DIAM.         INSIDE       MA         INSIDE       A         INSIDE       INSIDE         INSIDE	SING & OPEN H ATERIAL ATERIAL HICKNES INCLES	A3 HOLE RECOF	RD FEET TO 20-23 22-23 22-30 27-30 IN NAGE NULINI NULINI NULINI NULINI NULINI	ATERIAL A MATERIAL A 61 DEPTH SET AT FROM 10-13 18-21 26-29 LOC RAM BELOW SFE. INDICATE	PENING ND TYPE PLUGGIN( - FEET TO 14-17 22-25 30-33 80 ATION O IOW DISTANCE NORTH BY AR - 9	31-33 DIAMET	ER 34-38 L INCHES DEPTH TO TOP OF SCREEN ING RECO TYPE LEAD PR LEAD PR FROM ROAD A	A1-44 FEE PRD NT GROUT. CKER. ETC.
TER FOUND TER FEET TER	KIND OF WATER         KIND OF WATER         FRESH 3       SULPHUR         SALTY 4       MINERAL         "400       PUMPINA         MP       BAILER         WATER LEVEL       25         Vater Level       SWATER         WATER LEVEL       25         Vater Supply       22-24         IS MINUTE       24         WATER SUPPLY       2         OBSERVATION W       3         TYPE       PUMP         SALTY       A INDUSTRIAL         I       WATER SUPPLY	51       CA:         INSIDE       DIAM.         INSIDE       IN.         INSECTOR       IN.         INSECTOR       INSECTOR         INSECTOR       IN.         IN.	SING & OPEN H ATERIAL ATERIAL HICKNES INCLES	A3 HOLE RECOF		SIZE (S) OF O (SLOT NO.) MATERIAL A 61 DEPTH SET AT FROM 10-13 18-21 26-29 LOC RAM BELOW SFE. INDICATE 0 LP / 17 ST	PENING ND TYPE PLUGGIN( - FEET TO 14-17 22-25 30-33 80 ATION O IOW DISTANCE NORTH BY AR - 9 - 9 - 9 - 9 - 10 -	31-33 DIAMET	ER 34-38 L INCHES DEPTH TO TOP OF SCREEN ING RECO TYPE LEAD PR LEAD PR FROM ROAD A	41-44 FEE PRD NT GROUT. CKER. ETC. 338 ND
TER FOUND TER FEE TER FOUND TER FEE TER FOUND TER FEE TER FEE TE	KIND OF WATER         KIND OF WATER         FRESH 3       SULPHUR         SALTY 4       MINERAL         "400       10         PUMPING       PUMPING         "400       PUMPING RAM         MATER LEVEL       25         WATER LEVEL       25         WATER LEVEL       25         WATER LEVEL       25         WATER SUPPLY       2         OBSERVATION W       3         TYPE       PUMP         SALTY       A IR GECOMMENC         PUMP       SULTING	51       CA:         INSIDE       INNIDE         INSED       INNIDE         INFINITES       INFINITES         INFINITES       INO	SING & OPEN H ATERIAL ATERIAL THICKNES TREEL TEEL TEEL TEEL TEEL TEEL TEEL TEE			SIZE (S) OF O (SLOT NO.) MATERIAL A 61 DEPTH SET AT FROM 10-13 18-21 26-29 LOC. RAM BELOW SFE. INDICATE DLP / 17 SECONTRA SECONTRA 10-13 18-21 26-29	PENING ND TYPE PLUGGIN( - FEET TO 14-17 22-25 30-33 80 ATION O NOW DISTANCE E NORTH BY AR - 9 - 9 - 9 - 9 - 9 - 10 - 10	31-33 DIAMET	ING RECO	41-44 FEE PRD NT GROUT, CKER, ETC. 338 ND
TER FOUND TER FEET TER TO TER TO TER FEET TER FEET TER TO TER T	KIND OF WATER         KIND OF WATER         FRESH 3 SULPHUR       SALTY 4 MINERAL         FRESH 3 SULPHUR       SALTY 4 MINERAL         FRESH 3 SULPHUR       SALTY 4 MINERAL         SALTY 4 MINERAL       SALTY 4 MINERAL         FRESH 3 SULPHUR       SALTY 4 MINERAL         WATER SUPPLY       SALTY 4 MINERAL         GPM       WATER SUPPLY         SALTY       SALTY PUMP         SALTY       SALTY         MATER SUPPLY       SALTY         SALTY       MATER SUPPLY         2       OBSERVATION W         3       TEST HOLE         1       WATER SUPPLY         2<	51       CA:         INSIDE       INNITES         INSIDE       2         INSIDE       3         INSIDE       2         INSIDE       3         INSIDE       2         INSIDE       3         INSIDE       3         INSIDE       2         INSIDE       3         INSIDE       2         INSIDE       3         INSIDE       2         INSIDE       3         INSIDE       2         INSIDE       3         INSE       3         INSECIFIC CAPACITY       INFIN         S       ABANK         INFINITES       ABANK         INFINITES       ABANK         INFINITES       INFIN         S       COMMERCI         S       COMMERCI         S       CONMERCI <td< td=""><td>SING &amp; OPEN H ATERIAL ATERIAL HICKNES INCLES INCLES</td><td>A3 HOLE RECOF</td><td></td><td>SIZE (S) OF O (SLOT NO.) MATERIAL A 61 DEPTH SET AT FROM 10-13 18-21 26-29 LOC. RAM BELOW SFE. INDICATE DLP / 17 ST CONTRA ST CONTRA ST CONTRA ST CONTRA</td><td>PENING ND TYPE PLUGGIN( - FEET TO 14-17 22-25 30-33 80 ATION O IOW DISTANCE NORTH BY AR NORTH BY AR CIOB 5372 INSPECTOR</td><td>31-33 DIAMET</td><td>ER 34-38 L INCHES DEPTH TO TOP OF SCREEN ING RECO TYPE LEAD PA EROM ROAD A</td><td>41-44 FEE PRD NT GROUT, CKER, ETC. 338 ND</td></td<>	SING & OPEN H ATERIAL ATERIAL HICKNES INCLES	A3 HOLE RECOF		SIZE (S) OF O (SLOT NO.) MATERIAL A 61 DEPTH SET AT FROM 10-13 18-21 26-29 LOC. RAM BELOW SFE. INDICATE DLP / 17 ST CONTRA ST CONTRA ST CONTRA ST CONTRA	PENING ND TYPE PLUGGIN( - FEET TO 14-17 22-25 30-33 80 ATION O IOW DISTANCE NORTH BY AR NORTH BY AR CIOB 5372 INSPECTOR	31-33 DIAMET	ER 34-38 L INCHES DEPTH TO TOP OF SCREEN ING RECO TYPE LEAD PA EROM ROAD A	41-44 FEE PRD NT GROUT, CKER, ETC. 338 ND
ITER FOUND           AT - FEET           O 2300-13           15-18           1           2           15-18           1           2           20-23           1           2           20-23           1           2           30-33           1           2           30-33           1           2           30-33           1           2           30-33           1           2           30-33           1           2           30-33           1           2           30-33           1           2           0           15           16           17           18           19           19           19           10           20           21           22           23           117           118	KIND OF WATER         FRESH 3       SULPHUR         SALTY 4       MINERAL         WATER SUPPLY       SALTY         2000 FEET       JSO         WATER SUPPLY       SALTY         2005 ERVATION W       STEST HOLE         1       WATER SUPPLY         2       OBSERVATION W         3       TEST HOLE         1       COMESTIC         2	51       CA:         INSIDE       INNIDE         INSECIFIC CAPACITY       INNIDE         INFECIFIC CAPACITY       IN	SING & OPEN F ATERIAL THICKNES TREEL 12 ALVANIZED ONCRETE PEN HOLE TEEL 26 ALVANIZED ONCRETE PEN HOLE TEEL 26 ALVANIZED ONCRETE POURS COMENTION DIAMOND DETING LICENCE NUMI SSIGM DITE	A3 HOLE RECOF	RD FEET TO 20-23 22-30 27-30 IN DUAGE Z7-30 IN DUAGE Z7-30 IN DUAGE Z7-30 IN DUAGE Z7-30 IN DUAGE Z7-30 IN DUAGE IN DUAGE Z7-30 IN DUAGE Z7-30 IN DUAGE Z7-30 IN DUAGE Z7-30 IN DUAGE IN DUAGE Z7-30 IN DUAGE Z7-30 IN Z7-30 IN DUAGE Z7-30 IN DUAGE I	SIZE (S) OF O (SLOT NO.) MATERIAL A 61 DEPTH SET AT FROM 10-13 18-21 26-29 LOC RAM BELOW SHEE. INDICATE DLP / 17 STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM STREAM	PENING PLUGGIN( - FEET TO 14-17 22-25 30-33 80 ATION O IOW DISTANCE NORTH BY AF INSPECTOR	31-33 DIAMET	ER 34-38 L INCHES DEPTH TO TOP OF SCREEN ING RECO TYPE LEAD PR COM ROAD A FROM ROAD A	

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<b>V</b> )		ATER	R WEL	L R	ECO	RD	5191	11 01
Ontario	1. PRINT ONLY IN S	SPACES PROVIDED		15139		51/21/1	CAR -	<u>  a</u>
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ATER FOUND AT - FEET	KIND OF WATER	HISIDE DIAM. MAT INCHES	ERIAL THICKNESS	DEPTH - FEET FROM TO		TYPE	DEPTH TO TO OF SCREEN	p 41-44
220 ¹⁰⁻¹³ 1 2	$\begin{array}{c} \bullet \\ \bullet $	10-11 1 STE	EL 12 188	1/1/27 13-16	ιώ Ι			
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15-18 1 2 20-23 1 2 25-28 1	FRESH 3 SULPHUR ¹⁹ SALTY 4 MINERAL     FRESH 3 SULPHUR ²⁴ SALTY 4 MINERAL     FRESH 3 SULPHUR ²⁹	27 GAL 3 CON 4 OPE 17-18 I STE 2 GAL 3 CON 4 OPE	VANIZED KCRETE EN HOLE FEL 19 VANIZED NCRETE EN HOLE	20-23	61 F DEPTH SET AT - FROM 10-13	PLUGGING & FEET NATER 14-17	SEALING REC	CORD
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15-18 1 2 20-23 1 2 25-28 1 2 30-33 1 2	FRESH       3       SULPHUR       19         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL         FRESH       3       SULPHUR       29         SALTY       4       MINERAL         FRESH       3       SULPHUR       29         SALTY       4       MINERAL         FRESH       3       SULPHUR       34         SALTY       4       MINERAL	22 GAL 3 CON 4 OPE 17-18 1 STE 2 GAL 3 CON 4 OPE 2 GAL 3 CON 4 OPE 24-25 1 STE 2 GAL 3 CON 4 OPE 24-25 CON 4 OPE	VANIZED VCRETE IN HOLE ISN HOLE ISN HOLE VANIZED NCRETE ISL 26 VANIZED NCRETE ISN HOLE ISN HOLE	20-23	61 F DEPTH SET AT - FROM 10-13 18-21 26-29	PLUGGING &           FEET         MATER           14-17         22-25           30-33         80	SEALING REC	CORD
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15-18 1 2 20-23 1 2 25-28 1 2 30-33 1 1 1 1 1 1 2 UNPING TESL 1 1 2 UNPING TESL 1 2 30-33 1 2 30-33 1 30-33 1 2 30-33 1 2 30-33 1 2 30-33 1 2 30-33 1 2 30-33 1 2 30-33 1 2 30-33 1 2 30-33 1 2 30-33 1 3 30-33 1 2 30-33 1 3 30-33 1 2 30-33 1 3 30-33 1 3 30-33 30-33 1 3 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-33 30-30 30 30-30 30 30 30 30 30 30 30 30 30 30 30 30 3		24-25 2 GAL 3 CON 4 OPE 2 GAL 3 CON 4 OPE CON 4 OPE CON CON CON CON CON CON CON CON	VANIZED VCRETE EN HOLE ISN HOLE	20-23 27-30	61 P DEPTH SET AT - FROM 10-13 18-21 26-29 LOCA	PLUGGING &           FEET         MATER           10         14-17           22-25         30-33           30-33         80           TION OF         NOPTH BY APPOW	SEALING REC RIAL AND TYPE (CE LEAD WELL WELL FROM ROAD	CORD EMENT GROUT. PACKER. ETC.)
15-18 1 2 20-23 1 2 25-28 1 2 30-33 1 2 30-33 1 1 □ PUMFING TEST 1 □ PUMF	FRESH       3       SULPHUR       19         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL       29         SALTY       4       MINERAL       29         SALTY       4       MINERAL       29         SALTY       4       MINERAL       36         FRESH       3       SULPHUR       36         SALTY       4       MINERAL       36         SALTY       4       MINERAL       36         BAILER       10       PUMPING RAT       21         WATER       LEVEL       25       WATER LEVEL         END OF       25       WATER LEVEL       25         PUMPING       22-22       15       MINUTES	22       GAL         3       CON         4       OPE         17-18       1         2       GAL         3       CON         4       OPE         24-25       1         3       CON         4       OPE         10       GPM.         LEVELS DURING         3       30 MINUTES	VANIZED VCRETE IN HOLE ISL ISL ISL ISL ISL ISL ISL ISL	20-23 27-30	61 F DEPTH SET AT - FROM 10-13 18-21 26-29 LOCA AGRAM BELOW SHO INE. INDICATE I	PLUGGING & FEET NATER 14-17 22-25 30-33 80 TION OF W DISTANCES OF NORTH BY ARROW	SEALING REC (CE LEAD WELL WELL WELL FROM ROAD	CORD EMENT GROUT. PACKER. ETC.)
15-18 1 2 20-23 1 2 25-28 1 2 30-33 1 2 30-33 1 2 1 UNPING TEST 1 DUMPING TEST 1	FRESH       3       SULPHUR       19         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL         FRESH       3       SULPHUR       29         SALTY       4       MINERAL         FRESH       3       SULPHUR       29         SALTY       4       MINERAL         FRESH       3       SULPHUR       34         FRESH       3       SULPHUR       34         SALTY       4       MINERAL       34         WATER LEVEL       5       WATER LEVEL       34         WATER LEVEL       25       WATER LEVEL       34         21       22-24       15 MINUTES       34         250       FEET       1500       FEET       340	24-25 17-18 1 0 0 PE 2 0 GAL 3 0 0 PE 2	VANIZED         VCRETE           IN HOLE         IS           VANIZED         VCRETE           IN HOLE         VCRETE	27-30	61 F DEPTH SET AT - FROM 10-13 16-21 26-29 LOCA AGRAM BELOW SHO INE. INDICATE I	PLUGGING & FEET TO 14-17 22-25 30-33 80 TION OF W DISTANCES OF NORTH BY ARROW	SEALING REC RIAL AND TYPE (CE LEAD WELL WELL FROM ROAD	D AND
15-18 1 2 20-23 1 2 25-28 1 2 30-33 1 2 30-33 1 1 □ PUMPING TEST 1 □ PUMP	FRESH       3       SULPHUR       19         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL         FRESH       3       SULPHUR       29         SALTY       4       MINERAL         FRESH       3       SULPHUR       34         SALTY       4       MINERAL         WATER       EVEL       25         WATER       LEVEL       25         WATER       LEVEL       15         PUMPING       FEET       140         FEET       38-41       PUMP INTAKE	27     GAL       3     CON       4     OPE       17-18     1       5     GAL       3     CON       4     OPE       24-25     1       3     CON       4     OPE       24-25     1       3     CON       4     OPE       24-25     1       3     CON       4     OPE       2     GAL       3     CON       4     OPE       2     GAL       3     CON       4     OPE       2     GAL       4     OPE       24-25     1       3     CON       4     OPE       4     OPE       2     GAL       5     30       3     CON       5     30       13     SO       29-31       29-31       29-31       29-31       29-31       29-31       29-31       29-31       200       30       4       30       4       30       30 </td <td>VANIZED VCRETE IN HOLE ISUNAVIZED VCRETE IN HOLE VANIZED VCRETE IN HOLE ISUNAVIZED VCRETE IN HOLE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRE</td> <td>20-23 27-30</td> <td>61 F DEPTH SET AT - FROM 10-13 18-21 26-29 LOCA AGRAM BELOW SHO LINE. INDICATE I</td> <td>PLUGGING &amp; FEET TO 14-17 22-25 30-33 80 TION OF W DISTANCES OF NORTH BY ARROW</td> <td>SEALING REC RIAL AND TYPE LEAD WELL WELL FROM ROAD</td> <td>D AND</td>	VANIZED VCRETE IN HOLE ISUNAVIZED VCRETE IN HOLE VANIZED VCRETE IN HOLE ISUNAVIZED VCRETE IN HOLE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRETE ISUNAVIZED VCRE	20-23 27-30	61 F DEPTH SET AT - FROM 10-13 18-21 26-29 LOCA AGRAM BELOW SHO LINE. INDICATE I	PLUGGING & FEET TO 14-17 22-25 30-33 80 TION OF W DISTANCES OF NORTH BY ARROW	SEALING REC RIAL AND TYPE LEAD WELL WELL FROM ROAD	D AND
15-18 1 2 20-23 1 2 25-28 1 2 30-33 1 2 30-33 1 2 30-33 1 1 DUMPING TESL 1 DUMPIN	FRESH     3     SULPHUR     19       SALTY     4     MINERAL       FRESH     3     SULPHUR     24       SALTY     4     MINERAL       FRESH     3     SULPHUR     24       SALTY     4     MINERAL       FRESH     3     SULPHUR     29       SALTY     4     MINERAL       FRESH     3     SULPHUR       SALTY     4     MINERAL       FRESH     3     SULPHUR       SALTY     4     MINERAL       SALTY     4     MINERAL       BAILER     0/10       WATER     LEVEL       PUMPING     22-24       15     MINUTES       26-     150       FEET     1400       FEE     38-41       PUMP INTAKE     39	22       GAL         3       CON         4       OPE         17-18       1         2       GAL         3       CON         4       OPE         2       GAL         3       CON         4       OPE         24-25       1         5       30         SO       MINUTES         29-31       29-31         EET       1         EET       1         EET       1         GO       FEET         ED       43-45	VANIZED       VCRETE       IN HOLE       IEL       IS       VANIZED       NCRETE       IN HOLE       VANIZED       NCRETE       IN HOLE       VANIZED       NCRETE       IN HOLE       ATION OF PUMPING       1       15-16       OURS       1       PUMPING       2       PUMPING       1       PUMPING       1       PUMPING       1       PUMPING       1       PUMPING       1       PUMPING       1       1       PUMPING       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1 <t< td=""><td>20-23 27-30</td><td>61 F DEPTH SET AT - FROM 10-13 18-21 26-29 LOCA AGRAM BELOW SHO INE. INDICATE I LOCA CAUC 2 LOT 2</td><td>PLUGGING &amp; FEET MATER 14-17 22-25 30-33 80 TION OF MORTH BY ARROW</td><td>SEALING REC RIAL AND TYPE LEAD WELL WELL FROM ROAD</td><td>D AND</td></t<>	20-23 27-30	61 F DEPTH SET AT - FROM 10-13 18-21 26-29 LOCA AGRAM BELOW SHO INE. INDICATE I LOCA CAUC 2 LOT 2	PLUGGING & FEET MATER 14-17 22-25 30-33 80 TION OF MORTH BY ARROW	SEALING REC RIAL AND TYPE LEAD WELL WELL FROM ROAD	D AND
15-18 1 20-23 1 25-28 1 25-28 1 2 30-33 1 2 30-34 1 2 30-35 1 1 2 30-37 1 2 30-37 1 2 30-37 1 2 30-37 1 1 2 30-37 1 2 30-37 1 2 30-37 1 2 30-37 1 1 2 30-37 1 1 2 30-37 1 2 30-37 1 2 30-37 1 2 30-37 1 2 30-37 1 2 30-37 1 2 30-37 1 1 2 30-37 1 2 30-37 1 1 2 30-37 1 1 2 30-37 1 1 2 30-37 1 2 30-37 1 2 30-37 1 1 2 30-37 1 1 2 30-37 1 1 30-37 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FRESH       3       SULPHUR       19         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL         FRESH       3       SULPHUR       29         SALTY       4       MINERAL         FRESH       3       SULPHUR       29         SALTY       4       MINERAL         FRESH       3       SULPHUR       34         FRESH       3       SULPHUR       34         SALTY       4       MINERAL       34         FRESH       3       SULPHUR       34         SALTY       4       MINERAL       34         BAILER       10       PUMPING RAT       10         VATER LEVEL       25       WATER LEVEL       26         EET       150       FEET       140       FE         GPM       38-41       PUMP INTAKE       37-41       140       FE         GPM       GEE       SETTING       SETTING       38-41       PUMP SETTING	22     GAL       3     CON       4     OPE       17-18     1       2     GAL       3     CON       4     OPE       2     GAL       3     CON       4     OPE       24-25     1       2     GAL       3     CON       4     OPE       28     JON       29-31     GON       29-31     FEET       30     MINUTES       28     JON       29-31     FEET       43-45     REC       90     FEET       160     FEET       80     FEET	VANIZED     VCRETE       IN HOLE     IS       VANIZED     VCRETE       IEL     IS       VANIZED     VCRETE       IN HOLE     ZE       VANIZED     VCRETE       INVCRETE     VCRETE       INVCRETE     VCRETE       IN HOLE     VCRETE       ATION OF PUMPING     VCRETE       INVCRETE     VCRETE       IN HOLE     VCRETE       INVCRETE     VCRETE	20-23 27-30	$\begin{array}{c c} \hline 61 & F \\ \hline DEPTH SET AT - FROM \\ \hline 10-13 \\ \hline 10-13 \\ \hline 10-26-29 \\ \hline 26-29 \\ \hline LOCA \\ AGRAM BELOW SHO \\ INE. INDICATE I \\ CONC \\ \hline 100 \\ \hline 1$	PLUGGING & FEET TO 14-17 22-25 30-33 80 TION OF W DISTANCES OF NORTH BY ARROW	SEALING REC RIAL AND TYPE LEAD WELL WELL FROM ROAD WELL FROM ROAD	D AN D
15-18 1 2 20-23 1 2 25-28 1 2 30-33 1 2 30-34 1 2 30-35 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	FRESH       3       SULPHUR       19         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL         FRESH       3       SULPHUR       29         SALTY       4       MINERAL       29         SALTY       4       MINERAL       34         FRESH       3       SULPHUR       34         SALTY       4       MINERAL       34         WATER LEVEL       25       WATER LEVEL       26         PUMPING       FEET       140       FE         GPM       FEET       9UMP INTAKE       33-41         PUMP TYPE       PUMP SETTING       20       2         GPM       C       2       GPM. / FT. SP <td>27       GAL         3       CON         4       OPE         17-18       1         1       STE         2       GAL         3       CON         4       OPE         2       GAL         3       CON         4       OPE         24-25       1         3       CON         4       OPE         2       GAL         3       CON         4       OPE         24-25       1         3       CON         4       OPE         24       OPE         30       MINUTES         24       1         30       MINUTES         24       1         30       FEET         43-45       REC         PUM       FEET         160       FEET         43-45       REC         PUM       FEET         43-45       REC         PUM       FEET         43-45       REC         PUM       FEET    </td> <td>VANIZED       VCRETE       EN HOLE       IEL       19       VCNIZED       VCRETE       EN HOLE       26       VANIZED       VCRETE       EN HOLE       ATION OF PUMPING       1       15-16       MURS       1       PUMPING       2       RECOVERV       45       120       32-34       120       7EET       FEET       120       7EET       42       CLEAR       2       CLEAR       2       CLEAR       2       CLEAR       2       CLEAR       2       CLEAR       2       CLEAR</td> <td>20-23 27-30</td> <td>61 F DEPTH SET AT - FROM 10-13 18-21 26-29 LOCA AGRAM BELOW SHO .INE. INDICATE I</td> <td>PLUGGING &amp; FEET TO 14-17 22-25 30-33 80 TION OF T W DISTANCES OF NORTH BY ARROW</td> <td>SEALING REC RIAL AND TYPE LEAD WELL WELL FROM ROAD</td> <td>D AND</td>	27       GAL         3       CON         4       OPE         17-18       1         1       STE         2       GAL         3       CON         4       OPE         2       GAL         3       CON         4       OPE         24-25       1         3       CON         4       OPE         2       GAL         3       CON         4       OPE         24-25       1         3       CON         4       OPE         24       OPE         30       MINUTES         24       1         30       MINUTES         24       1         30       FEET         43-45       REC         PUM       FEET         160       FEET         43-45       REC         PUM       FEET         43-45       REC         PUM       FEET         43-45       REC         PUM       FEET	VANIZED       VCRETE       EN HOLE       IEL       19       VCNIZED       VCRETE       EN HOLE       26       VANIZED       VCRETE       EN HOLE       ATION OF PUMPING       1       15-16       MURS       1       PUMPING       2       RECOVERV       45       120       32-34       120       7EET       FEET       120       7EET       42       CLEAR       2       CLEAR       2       CLEAR       2       CLEAR       2       CLEAR       2       CLEAR       2       CLEAR	20-23 27-30	61 F DEPTH SET AT - FROM 10-13 18-21 26-29 LOCA AGRAM BELOW SHO .INE. INDICATE I	PLUGGING & FEET TO 14-17 22-25 30-33 80 TION OF T W DISTANCES OF NORTH BY ARROW	SEALING REC RIAL AND TYPE LEAD WELL WELL FROM ROAD	D AND
15-18 1 2 20-23 1 2 25-28 1 2 30-33 1 2 30-33 1 2 30-33 1 2 30-33 1 1 □ PUMF 1 □ PUMF STATIC LEVEL 19. 300 FI STATIC GIVE RATE FECOMING. GIVE RATE FINAL STATUS	FRESH       3       SULPHUR       19         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL       29         SALTY       4       MINERAL       20         SALTY       4       MINERAL       20         Y       BAILER       DUMPING RAT       20         WATER LEVEL       25       WATER LEVEL       26         PUMPING       22-24       15 MINUTES       140         PUMP TYPE       RECOMMENDE       PUMP       90         O       D       COMMANNERS       90         PUMP TYPE       GPM       7	24-25       2	VANIZED       VCRETE       IN HOLE       IEL       ISUANIZED       VCRETE       IN HOLE       IN KOLE       VANIZED       NCRETE       IN HOLE       VANIZED       NCRETE       IN HOLE       VANIZED       VANIZED       NCRETE       IN HOLE       ATION OF PUMPING       I       15-16       OURS       VANIZED       ATION OF PUMPING       I       15-16       PUMPING       1       PUMPING       1       PUMPING       1       PUMPING       1       PUMPING       1       PUMPING       1       STARECOVERY       AS MINUTES       120       FEET       ISO       FEET       ISO       ISO       ISO       GPM       ISO       ISO <td>20-23 27-30</td> <td>61 F DEPTH SET AT - FROM 10-13 18-21 26-29 LOCA AGRAM BELOW SHO INE. INDICATE I</td> <td>PLUGGING &amp; FEET TO 14-17 22-25 30-33 80 TION OF W DISTANCES OF NORTH BY ARROW</td> <td>SEALING REC RIAL AND TYPE LEAD WELL WELL FROM ROAD MARY LAGT</td> <td>D AND</td>	20-23 27-30	61 F DEPTH SET AT - FROM 10-13 18-21 26-29 LOCA AGRAM BELOW SHO INE. INDICATE I	PLUGGING & FEET TO 14-17 22-25 30-33 80 TION OF W DISTANCES OF NORTH BY ARROW	SEALING REC RIAL AND TYPE LEAD WELL WELL FROM ROAD MARY LAGT	D AND
15-18 1 20-23 1 25-28 1 2 25-28 1 2 30-33 1 2 30-33 1 2 30-33 1 2 30-33 1 2 30-33 1 2 30-33 1 2 1 □ PUMPING TEST 1 □ P	FRESH       3       SULPHUR       19         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL         FRESH       3       SULPHUR       29         SALTY       4       MINERAL         FRESH       3       SULPHUR       29         SALTY       4       MINERAL       34         FRESH       3       SULPHUR       34         SALTY       4       MINERAL       34         WATER LEVEL       25       WATER LEVEL       36         WATER LEVEL       25       140       76         PUMP TYPE       78-41       140       76         OM       DEEP       SETTING       30         OM	22       GAL         3       CON         4       OPE         17-18       1         1       STE         2       GAL         3       CON         4       OPE         24-25       1         3       CON         24-25       1         3       CON         24-25       1         3       CON         24-25       1         3       CON         4       OPE         24-25       1         3       CON         4       OPE         2       GAL         3       CON         4       OPE         2       GAL         3       CON         4       OPE         2       GAL         3       CON         29-31       CPM         29-31       CPET         1       1         30       MINUTES         28       30         30       FEET         160       FEET         9       ABANDO         7<	VANIZED VCRETE IN HOLE IEL 19 VCRETE IN HOLE VCRETE IN HOLE ATION OF PUMPING 1 15-16 IN CRETE IN HOLE ATION OF PUMPING 1 15-16 IN HOLE ATION OF PUMPING 1 15-16 IN HOLE ATION OF PUMPING 1 15-16 IN HOLE I 15-16 I 17-18 HOURS I PUMPING I PUMPING I PUMPING I PUMPING I I I I I I I I I I I I I I I I I I I	20-23 27-30	61 F DEPTH SET AT - FROM 10-13 16-21 26-29 LOCA AGRAM BELOW SHO INE. INDICATE I LOCA AGRAM DELOW SHO INE. INDICATE I LOCA	PLUGGING & FEET TO 14-17 222-25 30-33 80 TION OF W DISTANCES OF NORTH BY ARROW	SEALING REC RIAL AND TYPE LEAD WELL WELL FROM ROAD MARK	DAND
15-18 1 2 20-23 1 2 25-28 1 2 30-33 1 2 30-33 1 2 1 □ PUMPING TEST 1 □ PUMF STATIC LEVEL 19 100 FI GIVE RATE RECOMMENDED □ SHALL 50-53 FINAL STATUS OF WELL	FRESH       3       SULPHUR       19         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL         FRESH       3       SULPHUR       29         SALTY       4       MINERAL       29         SALTY       4       MINERAL       29         SALTY       4       MINERAL       34         FRESH       3       SULPHUR       34         SALTY       4       MINERAL       40         SALTY       4       MINERAL       40         SALTY       4       MINERAL       40         SALTY       4       MINERAL       40         WATER LEVEL       25       WATER       40         PUMPING       22-24       15       MINUTES         CO       22-24       15       MINENDE         PUMP TYPE       38-41       PUMP INTAKE       90         GPM       RECOMMENDE       90       90       90         O       22       OBSERVATION WE	22       GAL         3       CON         4       OPE         17-18       1         2       GAL         3       CON         4       OPE         2       GAL         3       CON         4       OPE         2       GAL         3       CON         4       OPE         2       GAL         3       CON         2       GAL         3       CON         2       GAL         3       CON         2       GAL         3       CON         4       OPE         2       GAL         30       MINUTES         2       GAL         43-45       REC         9       ABANDO         10       FI	VANIZED VCRETE IN HOLE IEL 19 VCRETE IN HOLE IEL 26 VANIZED VCRETE IN HOLE ATION OF PUMPING I 15-16 HOURS 0 17-18 HOURS 17-18 HOURS 17-18 HOURS 17-18 HOURS 17-18 HOURS 17-18 HOURS 17-18 HOURS 0 17-18 HOURS 17-18 HOURS 17-18 HOURS 0 17-18 HOURS 17-18 HOURS 17-18 HOURS 0 17-18 HOURS 17-18 HOURS 0 17-18 HOURS 17-18 HOURS 0 17-18 HOURS 17-18 HOURS 17-18 HOURS 0 17-18 HOURS 17-18 HOURS 0 17-18 HOURS 17-18 HOURS 0 17-18 HOURS 17-18 HOURS 0 17-18 HOURS 0 17-18 HOURS 0 17-18 HOURS 0 17-18 HOURS 0 17-18 HOURS 17-18 HOURS 0 17-18 HOURS	20-23 27-30 27-30	61 F DEPTH SET AT - FROM 10-13 18-21 26-29 LOCA AGRAM BELOW SHO INE. INDICATE I LOCA LOCA	PLUGGING & FEET TO MATER 14-17 22-25 30-33 80 TION OF W DISTANCES OF NORTH BY ARROW C TION OF NORTH BY ARROW	SEALING REC RIAL AND TYPE LEAD WELL WELL FROM ROAD MARK	DAND
15-18 1 2 20-23 1 2 25-28 1 2 25-28 1 2 30-33 1 2 30-33 1 1 □ PUMF STATIC LEVEL 19 10 FI GIVE RATE RECOMMENDED STATUS OF WELL WATER USE	FRESH       3       SULPHUR       19         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL         FRESH       3       SULPHUR       29         SALTY       4       MINERAL         FRESH       3       SULPHUR       29         SALTY       4       MINERAL         WATER       EVEL       25         TO       PUMPING       24         TSO       FEET       140         FEET       140       FE         PUMP       TYPE       GPM         GPM       RECOMMENDE       PUMP         SO       TEST HOLE       3         1 <t< td=""><td>24-25       1       STE         17-18       1       STE         2       GAL       3       CON         3       CON       4       OPE         17-18       1       STE       2         3       CON       4       OPE         24-25       1       STE       2         10       2       GAL       3         2       GAL       3       CON         4       OPE       2       GAL         3       CON       2       GAL         2       GAL       1       OUR         2       GAL       1       OUR         2       GAL       1       OUR         2       GAL       1       OUR         2       SET AT       WA       WA         160       FEET       <t< td=""><td>VANIZED VCRETE IN HOLE IEL IS VANIZED VCRETE IN HOLE IEL 26 VANIZED NCRETE IN HOLE IL 26 VANIZED NCRETE IN HOLE ATION OF PUMPING I 15-16 PUMPING PUMPING PUMPING PUMPING PUMPING CEL PUMPING CEL PUMPING CEL CLOUDY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOU</td><td>20-23 27-30 27-30</td><td>61 F DEPTH SET AT - FROM 10-13 18-21 26-29 LOCA AGRAM BELOW SHO INE. INDICATE I LOCA LOCA LOCA</td><td>PLUGGING &amp; FLET TO 14-17 22-25 30-33 80 TION OF W DISTANCES OF NORTH BY ARROW TION OF NORTH BY ARROW ARROW ARROW ARROW</td><td>SEALING REC RIAL AND TYPE LEAD WELL WELL FROM ROAD LAST LAST</td><td>DAND</td></t<></td></t<>	24-25       1       STE         17-18       1       STE         2       GAL       3       CON         3       CON       4       OPE         17-18       1       STE       2         3       CON       4       OPE         24-25       1       STE       2         10       2       GAL       3         2       GAL       3       CON         4       OPE       2       GAL         3       CON       2       GAL         2       GAL       1       OUR         2       GAL       1       OUR         2       GAL       1       OUR         2       GAL       1       OUR         2       SET AT       WA       WA         160       FEET <t< td=""><td>VANIZED VCRETE IN HOLE IEL IS VANIZED VCRETE IN HOLE IEL 26 VANIZED NCRETE IN HOLE IL 26 VANIZED NCRETE IN HOLE ATION OF PUMPING I 15-16 PUMPING PUMPING PUMPING PUMPING PUMPING CEL PUMPING CEL PUMPING CEL CLOUDY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOUPY COLOU</td><td>20-23 27-30 27-30</td><td>61 F DEPTH SET AT - FROM 10-13 18-21 26-29 LOCA AGRAM BELOW SHO INE. 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INDICATE I LOCA LOCA LOCA	PLUGGING & FLET TO 14-17 22-25 30-33 80 TION OF W DISTANCES OF NORTH BY ARROW TION OF NORTH BY ARROW ARROW ARROW ARROW	SEALING REC RIAL AND TYPE LEAD WELL WELL FROM ROAD LAST LAST	DAND
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INDICATE I LOCA LOCA LOCA</td> <td>PLUGGING &amp; FEET TO MATER 22-25 30-33 80 TION OF W DISTANCES OF NORTH BY ARROW CONSTRUCTION ARTINS CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONST</td> <td>SEALING REC ITAL AND TYPE LEAD WELL WELL FROM ROAD LAST LAST</td> <td>DAND</td>		61 F DEPTH SET AT - FROM 10-13 16-21 26-29 LOCA AGRAM BELOW SHO INE. INDICATE I LOCA LOCA LOCA	PLUGGING & FEET TO MATER 22-25 30-33 80 TION OF W DISTANCES OF NORTH BY ARROW CONSTRUCTION ARTINS CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONST	SEALING REC ITAL AND TYPE LEAD WELL WELL FROM ROAD LAST LAST	DAND
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INDICATE I LOCA LOCA</td> <td>PLUGGING &amp; FEET TO MATER 22.25 30.33 80 TION OF W DISTANCES OF NORTH BY ARROW DO NORTH BY ARROW ARROW ARROW ARROW CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR CONSTRUC</td> <td>SEALING REC RIAL AND TYPE LEAD WELL WELL FROM ROAD MARK Lot Lot</td> <td>DAND</td>	VANIZED VCRETE IN HOLE IEL 19 VCRETE IN HOLE IEL 26 VANIZED VCRETE IN HOLE ATION OF PUMPING I 15-16 I 0 0 17-18 HOURS I 0 0 17-18 I 0 0 0 17-18 I 0 0 0 17-18 I 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		61 F DEPTH SET AT - FROM 10-13 18-21 26-29 LOCA AGRAM BELOW SHO INE. 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DAND DAND DAND DAND CC #4.</td>	VANIZED VCRETE IN HOLE IEL 19 VANIZED NCRETE IN HOLE VANIZED NCRETE IN HOLE ATION OF PUMPING 1 15-16 ① 17-18 HOURS ② 17-18 HOURS ② 17-18 HOURS ② 17-18 HOURS ② 17-18 HOURS ② 17-18 HOURS ③ 17-18 HOURS ④ 17-18 HOURS ● 17-18 HOUR		61 F DEPTH SET AT - FROM 10-13 18-21 26-29 LOCA AGRAM BELOW SHO INDICATE I INDICATE I IN	PLUGGING & FLUGGING & FLUGGING & FEET TO MATER 22.25 30.33 80 TION OF M W DISTANCES OF NORTH BY ARROW W DISTANCES OF NORTH BY ARROW MARCINE OR 5.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	SEALING REC RIAL AND TYPE LEAD WELL WELL FROM ROAD	PEET CORD MENT GROUT, PACKER, ETC.) 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15-10         1           20-23         1           25-28         1           25-28         1           2         25-28           1         2           30-33         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1         1           1 </td <td>FRESH 3 SULPHUR 19     SALTY 4 MINERAL     FRESH 3 SULPHUR 24     SALTY 4 MINERAL     FRESH 3 SULPHUR 27     SALTY 4 MINERAL     FRESH 3 SULPHUR 27     SALTY 4 MINERAL     FRESH 3 SULPHUR 27     SALTY 4 MINERAL     SALTY 4 MINERAL     FRESH 3 SULPHUR 34     SALTY 4 MINERAL     SAL</td> <td>22 GAL         3 GON         4 OPE         17-18       1 STE         2 GAL         3 GON         4 OPE         2 GAL         3 GON         4 OPE         2 GAL         3 GON         2 GON         3 GON         2 GAL         3 GON         2 GON         3 GON</td> <td>VANIZED VCRETE IN HOLE IEL 19 VCNIZED NCRETE IN HOLE 26 VANIZED NCRETE IN HOLE ATION OF PUMPING 1 15-16 0 17-18 MINS 1 PUMPING 2 CREATE I PUMPING 2 CREATE I PUMPING 2 CLEAR 2 0 MINUTES 120 FEET 42 I CLEAR 2 CLOUDY COMMENDED 46-43 PL CLEAR 2 CLOUDY CLEAR 2 CLEAR 2 CLEAR</td> <td></td> <td>61 F DEPTH SET AT - FROM 10-13 16-21 26-29 LOCA AGRAM BELOW SHO INE. INDICATE I LOCA AGRAM DELOW SHO INE. INDICATE I LOCA CA CONC CONTRACT SB CONTRACT</td> <td>PLUGGING &amp; FLUGGING &amp; FLUGGING &amp; FLUGGING &amp; FLUGGING &amp; FLUGGING &amp; TION OF WOUSTANCES OF NORTH BY ARROW MARCES OF NORTH BY ARROW MARCES OF NORTH BY ARROW MARCES OF NORTH BY ARROW MARCES OF NORTH BY ARROW MATER OR 59-62 DATE OR 59-62 DATE OR 59-62 DATE</td> <td>SEALING REC RIAL AND TYPE LEAD WELL WELL FROM ROAD Lot Lot RECEIVED L.S.3</td> <td>DAND DAND DAND DAND W DAND W DAND DAND W I</td>	FRESH 3 SULPHUR 19     SALTY 4 MINERAL     FRESH 3 SULPHUR 24     SALTY 4 MINERAL     FRESH 3 SULPHUR 27     SALTY 4 MINERAL     FRESH 3 SULPHUR 27     SALTY 4 MINERAL     FRESH 3 SULPHUR 27     SALTY 4 MINERAL     SALTY 4 MINERAL     FRESH 3 SULPHUR 34     SALTY 4 MINERAL     SAL	22 GAL         3 GON         4 OPE         17-18       1 STE         2 GAL         3 GON         4 OPE         2 GAL         3 GON         4 OPE         2 GAL         3 GON         2 GON         3 GON         2 GAL         3 GON         2 GON         3 GON	VANIZED VCRETE IN HOLE IEL 19 VCNIZED NCRETE IN HOLE 26 VANIZED NCRETE IN HOLE ATION OF PUMPING 1 15-16 0 17-18 MINS 1 PUMPING 2 CREATE I PUMPING 2 CREATE I PUMPING 2 CLEAR 2 0 MINUTES 120 FEET 42 I CLEAR 2 CLOUDY COMMENDED 46-43 PL CLEAR 2 CLOUDY CLEAR 2 CLEAR		61 F DEPTH SET AT - FROM 10-13 16-21 26-29 LOCA AGRAM BELOW SHO INE. INDICATE I LOCA AGRAM DELOW SHO INE. INDICATE I LOCA CA CONC CONTRACT SB CONTRACT	PLUGGING & FLUGGING & FLUGGING & FLUGGING & FLUGGING & FLUGGING & TION OF WOUSTANCES OF NORTH BY ARROW MARCES OF NORTH BY ARROW MARCES OF NORTH BY ARROW MARCES OF NORTH BY ARROW MARCES OF NORTH BY ARROW MATER OR 59-62 DATE OR 59-62 DATE OR 59-62 DATE	SEALING REC RIAL AND TYPE LEAD WELL WELL FROM ROAD Lot Lot RECEIVED L.S.3	DAND DAND DAND DAND W DAND W DAND DAND W I

#### **RE: Records Search Request for PE2392**

#### Public Information Services <publicinformationservices@tssa.org>

Thu 8/12/2021 12:19 PM

To: Mohammed Ramadan < MRamadan@Patersongroup.ca>

Please refrain from sending documents to head office and only submit your requests electronically via email along with credit card payment. We are all working remotely and mailing in applications with cheques will lengthen the overall processing time.

NO RECORD FOUND Hello Mohammed,

Thank you for your request for confirmation of public information.

• We confirm that there are no records in our database of any fuel storage tanks at the subject addresses.

For a further search in our archives please complete our release of public information form found at <a href="https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392">https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392</a> and email the completed form to <a href="publicinformationservices@tssa.org">publicinformation.aspx?_mid_=392</a> and email the completed form to <a href="muiditue">publicinformation.aspx?_mid_=392</a> and email the completed form to <a href="muiditue">publicinformation.aspx?_mid_=392</a> and email the completed form to <a href="muiditue">publicinformationservices@tssa.org</a> and email the completed

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

Kind regards, Mariah

#### **Public Information Agent**



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

From: Mohammed Ramadan <MRamadan @Patersongro up.ca>

Sent: August 11, 2021 11:25 PM To: Public Information Services <publicinformationservices@tssa.org> Subject: Records Search Request for PE2392

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

Good Afternoon,

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

1296, 1400, 1222, 1208, 1422 Old Montreal Road

1398, 1508 Cox Country Road

#### 1177 Watters Road

Regards, Mohammed Ramadan, B.Sc

### patersongroup

solution oriented engineering

over 60 years serving our clients

154 Colonnade Road South

Ottawa, Ontario, K2E 7J5

Cell: (343) 998-8982

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File Number: D06-03-21-0158

December 20, 2021

Mohammed Ramadan Paterson Group 154 Colonnade Road South Ottawa, ON K2E 7J5

Sent via email [mramadan@patersongroup.ca]

Dear Mr. Ramadan,

#### Re: Information Request 1296 and 1400 Old Montreal Road, Ottawa, Ontario ("Subject Property")

#### Internal Department Circulation:

The Planning, Infrastructure and Economic Development Department has the following information in response to your request for information regarding the Subject Property:

• No information was returned on the Subject Property from Departmental circulation.

#### **Documents Provided:**

#### **HLUI Summary Report and HLUI Map**

The HLUI Summary Report Excel spreadsheet identifies HLUI area, point and line features within 250 metres of the Subject Property, as shown on the provided HLUI Map PDF. Within 500 metres of the Subject Property, landfills and Environmental Risk Management Area (ERMA) are also identified if applicable.

#### Additional information may be obtained by contacting:

#### **Ontario's Environmental Registry**

The Environmental Registry found at <u>https://ero.ontario.ca/</u> contains "public notices" about environmental matters being proposed by all government ministries covered by the Environmental Bill of Rights. The public notices may contain information about proposed new laws, regulations, policies and programs or about proposals to change or eliminate existing ones. By using keys words i.e. name of proponent/owner and the address one can ascertain if there is any information on the proponent and address under the following categories: Ministry, keywords, notice types, Notice Status, Acts, Instruments and published date (all years).

#### The Ontario Land Registry Office

Registration of real property is recorded in the Ontario Land Registry Office through the Land Titles Act or the Registry Act. Documents relating to title and other agreements that may affect your property are available to the public for a fee. It is recommended that a property search at the Land Registry Office be included in any investigation as to the historic use of your property. The City of Ottawa cannot comment on any documents to which it is not a party.

Court House 161 Elgin Street 4th Floor Ottawa ON K2P 2K1 Tel: (613) 239-1230 Fax: (613) 239-1422

Please note, as per the HLUI Disclaimer, that the information contained in the HLUI database has been compiled from publicly available records and other sources of information. The HLUI may contain erroneous information given that the records used as sources of information may be flawed. For instance, changes in municipal addresses over time may introduce error. Accordingly, all information from the HLUI database is provided on an "as is" basis with no representation or warranty by the City with respect to the information's accuracy or exhaustiveness in responding to the request.

Furthermore, the HLUI database and the results of this search in no way confirm the presence or absence of contamination or pollution of any kind. This information is provided on the assumption that it will not be relied upon by any person for any purpose whatsoever. The City of Ottawa denies all liability to any persons attempting to rely on any information provided from the HLUI database.

Please note that in responding to your request, the City of Ottawa does not guarantee or comment on the environmental condition of the Subject Property. You may wish to contact the Ontario Ministry of Environment and Climate Change for additional information.

If you have any further questions or comments, please contact HLUI@ottawa.ca.

Sincerely,

teffrey fren

Jeffrey Ren

Per:

Michael Boughton, MCIP, RPP Senior Planner Development Review East Planning Services Planning, Infrastructure and Economic Development Department

MB / JR

Enclosures: (2)

- 1. HLUI Map
- 2. HLUI Summary Report

cc: File no. D06-03-21-0158

### HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP




# DATABASE REPORT

**Project Property:** 

Project No: Report Type: Order No: Requested by: Date Completed: Vacant Land On Montreal Road Old Montreal Road Ottawa ON K4A 3N6 PE2392 Quote - Custom-Build Your Own Report 21073001373 Paterson Group Inc. August 4, 2021

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### Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

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

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## **Executive Summary**

### Property Information:

**Project Property:** 

**Project No:** 

Vacant Land On Montreal Road Old Montreal Road Ottawa ON K4A 3N6

PE2392

### Order Information:

Order No: Date Requested: Requested by: Report Type: 21073001373 July 30, 2021 Paterson Group Inc. Quote - Custom-Build Your Own Report

### Historical/Products:

## Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	1	9	10
СА	Certificates of Approval	Y	1	0	1
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
СНМ	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	1	0	1
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	1	5	6
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Ŷ	0	0	0
FST	Fuel Storage Tank	Ŷ	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	0	0
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	1	1

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System	Y	0	0	0
NCPL	(NATES) Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal	Y	0	0	0
NEBI	Sites National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	1	1
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	0	0
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval	Y	0	0	0
WWIS	Water Well Information System	Y	4	32	36
	-	Total:	8	48	56

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## Executive Summary: Site Report Summary - Project Property

Мар Кеу	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
<u>1</u>	CA	McGarry Family Chaples Inc. / Les chapelles de la famille McGarry Inc.	1296 Old Montreal Rd Lot 26, Concession 1, Part 2, Reference Plan R-5535 Ottawa ON	WNW/0.0	-0.66	<u>21</u>
<u>1</u>	ECA	McGarry Family Chaples Inc. / Les chapelles de la famille McGarry Inc.	1296 Old Montreal Rd Lot 26, Concession 1, Part 2, Reference Plan R-5535 Ottawa ON K2P 1A2	WNW/0.0	-0.66	<u>21</u>
<u>2</u>	wwis		1400 OLD MONTREAL RD lot 25 Ottawa ON <i>Well ID:</i> 7207987	E/0.0	11.76	<u>21</u>
<u>3</u>	WWIS		1400 OLD MONTREAL ROAD lot 25 Ottawa ON <i>Well ID:</i> 7207986	E/0.0	10.74	<u>24</u>
<u>4</u>	EHS		1422 Old Montreal Rd Ottawa ON K4A 3N8	N/0.0	3.59	<u>26</u>
<u>5</u>	WWIS		lot 25 con 1 ON <i>Well ID:</i> 1513125	N/0.0	3.72	<u>26</u>
<u>6</u>	BORE		ON	N/0.0	3.72	<u>28</u>
<u>7</u>	WWIS		lot 25 con 1 ON <i>Well ID</i> : 1513933	NNE/0.0	4.25	<u>30</u>

## Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>8</u>	WWIS		lot 27 con 1 ON <i>Well ID:</i> 1514989	W/6.0	0.66	<u>33</u>
<u>9</u>	WWIS		lot 25 con 1 ON	E/38.4	9.79	<u>37</u>
<u>10</u>	BORE		ON	E/38.5	9.79	<u>40</u>
<u>11</u>	WWIS		lot 27 con 1 ON	W/53.4	-8.00	<u>41</u>
<u>12</u>	WWIS		<i>Well ID:</i> 1512335 lot 24 con 1 ON	NE/61.0	5.49	<u>44</u>
<u>13</u>	BORE		Well ID: 1513111	NE/61.1	5.49	<u>46</u>
<u>14</u>	PINC		1562 Jonquille Way, Cumberland	E/62.2	7.11	<u>47</u>
15	EHS		1208 Old Montreal Road	W/71.7	-3.70	<u>48</u>
-	M/M/IS		Orléans ON K4A 3N6	ENE/79 4	4 64	48
10	WWIG		ON Well ID: 1523410			
<u>17</u>	WWIS		1120 TED KELLY LANE lot 25 Ottawa ON <i>Well ID:</i> 7149729	NNE/85.7	5.11	<u>51</u>
<u>18</u>	WWIS		lot 24 con 1 ON <i>Well ID:</i> 1514504	NNE/86.8	5.33	<u>57</u>
<u>19</u>	WWIS		lot 24 con 1 ON	NNE/87.2	5.14	<u>61</u>

Мар Кеу	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1512412			
<u>20</u>	WWIS		lot D con 8 ON	E/99.6	10.16	<u>65</u>
			<b>Well ID:</b> 1512331			
<u>21</u>	WWIS		lot 25 ON	N/100.6	0.30	<u>68</u>
			Well ID: 1520011			
<u>21</u>	WWIS		lot 25 ON	N/100.6	0.30	<u>71</u>
			Well ID: 1523892			
<u>22</u>	WWIS		lot 25 con 1 ON	NNE/110.2	4.30	<u>74</u>
			Well ID: 1519190			
<u>23</u>	WWIS		lot 25 con 1 ON	NNE/114.0	3.95	<u>77</u>
			Well ID: 1513951			
<u>24</u>	WWIS		lot 27 ON	WNW/124.9	-11.03	<u>80</u>
			Well ID: 1526501			
<u>24</u>	WWIS		lot 27 ON	WNW/124.9	-11.03	<u>84</u>
			Well ID: 1528921			
<u>25</u>	EHS		1154-1208 Old Montreal Rd Ottawa ON	WSW/126.0	1.45	<u>87</u>
26	WWIS		lot 27 con 1	W/128.2	0.06	87
<u></u>	e		ON Well ID: 1512408			
27	M/M/IS		lot 24 con 1	NNF/129 4	3 47	91
<u><u>21</u></u>	WWIG		ON Well ID: 1513109			<u>.</u>
					10.00	
<u>28</u>	BORE		ON	ESE/129.5	10.32	<u>93</u>
00 ¹	DODE			W/124 6	10.05	05
<u>29</u>	BUKE		ON	vv/ 134.0	-10.30	<u>90</u>
30	W/W/IS		lot 27 con 1	W/134.7	-10.95	96
<u></u>	****		ON		10.00	<u></u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1513130			
<u>31</u>	BORE		ON	N/135.0	0.78	<u>99</u>
<u>32</u>	WWIS		lot 25 con 1 ON <i>Well ID</i> : 1513128	N/135.7	0.78	<u>100</u>
<u>33</u>	WWIS		lot 27 con 1 ON	WNW/145.7	-11.93	<u>104</u>
<u>34</u>	WWIS		lot 25 con 8 ON	ENE/149.9	4.76	<u>107</u>
<u>35</u>	BORE		<i>Well ID:</i> 1527663	E/159.0	10.10	<u>110</u>
<u>36</u>	WWIS		lot 24 con 1 ON	NE/160.4	5.19	<u>111</u>
<u>37</u>	EHS		Well ID: 1513110 1373 Cox Country Road Cumberland ON K4C 1N7	E/164.2	9.99	<u>114</u>
38	WWIS		1154 OLD MONTREAL RD lot 28 con 1	WSW/169.8	-0.31	114
_			CUMBERLAND ON Well ID: 1534641			
<u>39</u>	WWIS		lot 24 con 1 ON <i>Well ID:</i> 1513927	NNE/171.5	4.39	<u>121</u>
<u>40</u>	BORE		ON	NNE/187.8	2.48	<u>124</u>
<u>41</u>	WWIS		lot 24 con 1 ON	NNE/188.5	2.48	<u>126</u>
<u>42</u>	WWIS		lot 24 con 1 ON	NE/191.9	5.18	<u>128</u>
			Well ID: 1513113			
<u>43</u>	BORE		ON	NE/192.0	5.18	<u>131</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>44</u>	BORE		ON	NNE/192.3	3.37	<u>132</u>
<u>45</u>	WWIS		lot 24 con 1 ON <i>Well ID:</i> 1513117	NNE/193.0	3.37	<u>133</u>
<u>46</u>	HINC		1571 SEQUOIA DRIVE CUMBERLAND ON K4C 1C2	NE/193.8	5.14	<u>135</u>
<u>47</u>	WWIS		lot D con 8 ON	SE/213.3	7.34	<u>136</u>
<u>48</u>	WWIS		lot 2 ON	NE/223.8	4.82	<u>139</u>
<u>49</u>	WWIS		1154 OLD MONTREAL RD lot 28 con 1 CUMBERLAND ON	WSW/225.4	-7.33	<u>142</u>
<u>50</u>	WWIS		Well ID: 1534642 lot 28 con 1 ON	WSW/231.0	-7.33	<u>143</u>
<u>51</u>	EHS		Well ID: 1513134 Part Lot 28 Concession 1 OS Cumberland Part 1 Plan 4R24727 Orléans ON K4A 3N6	W/238.9	-16.05	<u>145</u>
<u>52</u>	WWIS		lot 1 con 1 ON	ENE/239.9	4.39	<u>145</u>
			Well ID: 1532633			
<u>53</u>	EHS		1123 Old Montreal Rd Ottawa ON K4A3N6	W/245.2	-17.27	<u>149</u>

## Executive Summary: Summary By Data Source

### BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 10 BORE site(s) within approximately 0.25 kilometers of the project property.

Site	<u>Address</u>	Distance (m)	lap Key
	ON	0.0	<u>6</u>
	ON	38.5	<u>10</u>
	ON	61.1	<u>13</u>
	ON	129.5	<u>28</u>
	ON	134.6	<u>29</u>
	ON	135.0	<u>31</u>
	ON	159.0	<u>35</u>
	ON	187.8	<u>40</u>
	ON	192.0	<u>43</u>

ON

### **<u>CA</u>** - 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.

Site	Address	<u>Distance (m)</u>	<u>Map Key</u>
McGarry Family Chaples Inc. / Les chapelles de la famille McGarry Inc.	1296 Old Montreal Rd Lot 26, Concession 1, Part 2, Reference Plan R-5535 Ottawa ON	0.0	<u>1</u>

### **ECA** - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Jun 30, 2021 has found that there are 1 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>
McGarry Family Chaples Inc. / Les chapelles de la famille McGarry Inc.	1296 Old Montreal Rd Lot 26, Concession 1, Part 2, Reference Plan R-5535 Ottawa ON K2P 1A2	0.0	<u>1</u>

### **EHS** - ERIS Historical Searches

A search of the EHS database, dated 1999-Jan 31, 2021 has found that there are 6 EHS site(s) within approximately 0.25 kilometers of the project property.

Site	<u>Address</u> 1422 Old Montreal Rd Ottawa ON K4A 3N8	<b>Distance (m)</b> 0.0	<u>Map Key</u> <u>4</u>
	1208 Old Montreal Road Orléans ON K4A 3N6	71.7	<u>15</u>
	1154-1208 Old Montreal Rd Ottawa ON	126.0	<u>25</u>

Address	<u>Distance (m)</u>	<u>Map Key</u>
1373 Cox Country Road Cumberland ON K4C 1N7	164.2	<u>37</u>
Part Lot 28 Concession 1 OS Cumberland Part 1 Plan 4R24727 Orléans ON K4A 3N6	238.9	<u>51</u>
1123 Old Montreal Rd Ottawa ON K4A3N6	245.2	<u>53</u>

### HINC - TSSA Historic Incidents

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

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1571 SEQUOIA DRIVE CUMBERLAND ON K4C 1C2	193.8	<u>46</u>

### **<u>PINC</u>** - Pipeline Incidents

A search of the PINC database, dated May 31, 2021 has found that there are 1 PINC site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	Address	<u>Distance (m)</u>	<u>Map Key</u>
	1562 Jonquille Way, Cumberland ON	62.2	<u>14</u>

### WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2021 has found that there are 36 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	Address	<u>Distance (m)</u>	<u>Map Key</u>
	1400 OLD MONTREAL RD lot 25 Ottawa ON	0.0	<u>2</u>
	Well ID: 7207987		

Address	<u>Distance (m)</u>	<u>Map Key</u>
1400 OLD MONTREAL ROAD lot 25 Ottawa ON	0.0	<u>3</u>
Well ID: 7207986		
lot 25 con 1 ON	0.0	<u>5</u>
Well ID: 1513125		
lot 25 con 1 ON	0.0	<u>7</u>
<b>Well ID:</b> 1513933		
lot 27 con 1 ON	6.0	<u>8</u>
<b>Well ID:</b> 1514989		
lot 25 con 1 ON	38.4	<u>9</u>
Well ID: 1513129		
lot 27 con 1 ON	53.4	<u>11</u>
Well ID: 1512335		
lot 24 con 1 ON	61.0	<u>12</u>
Well ID: 1513111		
lot 24 ON	79.4	<u>16</u>
<b>Well ID:</b> 1523410		
1120 TED KELLY LANE lot 25 Ottawa ON	85.7	<u>17</u>
Well ID: 7149729		
lot 24 con 1 ON	86.8	<u>18</u>
<b>Well ID:</b> 1514504		
lot 24 con 1 ON	87.2	<u>19</u>
Well ID: 1512412		
lot D con 8 ON	99.6	<u>20</u>

<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Well ID: 1512331		
lot 25 ON	100.6	<u>21</u>
Well ID: 1520011		
lot 25 ON	100.6	<u>21</u>
Well ID: 1523892		
lot 25 con 1 ON	110.2	<u>22</u>
Well ID: 1519190		
lot 25 con 1 ON	114.0	<u>23</u>
Well ID: 1513951		
lot 27 ON	124.9	<u>24</u>
Well ID: 1526501		
lot 27 ON	124.9	<u>24</u>
Well ID: 1528921		
lot 27 con 1 ON	128.2	<u>26</u>
Well ID: 1512408		
lot 24 con 1 ON	129.4	<u>27</u>
Well ID: 1513109		
lot 27 con 1 ON	134.7	<u>30</u>
Well ID: 1513130		
lot 25 con 1 ON	135.7	<u>32</u>
Well ID: 1513128		
lot 27 con 1 ON	145.7	<u>33</u>
Well ID: 1532616		

<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
lot 25 con 8 ON	149.9	<u>34</u>
Well ID: 1527663		
lot 24 con 1 ON	160.4	<u>36</u>
Well ID: 1513110		
1154 OLD MONTREAL RD lot 28 con 1 CUMBERLAND ON	169.8	<u>38</u>
Well ID: 1534641		
lot 24 con 1 ON	171.5	<u>39</u>
Well ID: 1513927		
lot 24 con 1 ON	188.5	<u>41</u>
Well ID: 1513118		
lot 24 con 1 ON	191.9	<u>42</u>
Well ID: 1513113		
lot 24 con 1 ON	193.0	<u>45</u>
Well ID: 1513117		
lot D con 8 ON	213.3	<u>47</u>
Well ID: 1519783		
lot 2 ON	223.8	<u>48</u>
Well ID: 1532723		
1154 OLD MONTREAL RD lot 28 con 1 CUMBERLAND ON	225.4	<u>49</u>
Well ID: 1534642		
lot 28 con 1 ON	231.0	<u>50</u>
Well ID: 1513134		
lot 1 con 1 ON	239.9	<u>52</u>

Address Well ID: 1532633 <u>Map Key</u>





## Address: Old Montreal Road, Ottawa, ON

Source: ESRI World Imagery

Order Number: 21073001373



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45°28'30"N

45°30'N

## Topographic Map

## Order Number: 21073001373



Address: Old Montreal Road, ON

Source: ESRI World Topographic Map

© ERIS Information Limited Partnership

## Detail Report

Map Key	Number Records	of Direction/ Distance (m)	Elev/Diff (m)	Site		DB
<u>1</u>	1 of 2	WNW/0.0	83.9/ -0.66	McGarry Family Chap la famille McGarry Ind 1296 Old Montreal Ro 2, Reference Plan R- Ottawa ON	ples Inc. / Les chapelles de c. d Lot 26, Concession 1, Part 5535	СА
Certificate #: Application Y Issue Date: Approval Typ Status: Application 1 Client Name: Client Addres Client City: Client Postal Project Desca Contaminant Emission Con	/ear: be: fype: ss: Code: ription: s: ntrol:	2233-7M7Q7Z 2009 1/6/2009 Industrial Sewage V Approved	Vorks			
<u>1</u>	2 of 2	WNW/0.0	83.9 / -0.66	McGarry Family Cha la famille McGarry In 1296 Old Montreal Ro 2, Reference Plan R- Ottawa ON K2P 1A2	ples Inc. / Les chapelles de c. d Lot 26, Concession 1, Part 5535	ECA
Approval No Approval Da Status: Record Type Link Source: SWP Area Na Approval Type Project Type: Business Nat Address: Full Address. Full PDF Link	: te: ame: be: : : : : : : :	2233-7M7Q7Z 2009-01-06 Approved ECA IDS Rideau Valley ECA-INDUSTRIAL INDUSTRIAL SEW. McGarry Family Ch 1296 Old Montreal https://www.access	SEWAGE WORKS AGE WORKS aples Inc. / Les ch Rd Lot 26, Conces environment.ene.g	MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: S apelles de la famille McGar sion 1, Part 2, Reference P ov.on.ca/instruments/5410-	Ottawa -75.69218 45.41207 rry Inc. Plan R-5535 -7LZPCL-14.pdf	
<u>2</u>	1 of 1	E/0.0	96.3/ 11.76	1400 OLD MONTREA Ottawa ON	L RD lot 25	wwis
Well ID: Construction Primary Wat Sec. Water U Final Well St Water Type: Casing Mate Audit No: Tag: Construction	n Date: er Use: Jse: atus: rial: n	7207987 Monitoring Observation Wells Z164003 A148052		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County:	9/17/2013 True 7328 7 1400 OLD MONTREAL RD OTTAWA	

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Method: Elevation (m Elevation Re Depth to Beo Well Depth: Overburden/ Pump Rate: Static Water Flowing (Y/N Flow Rate: Clear/Cloudy	): liability: drock: /Bedrock: /Bedrock: /Bedrock: /:			Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	CUMBERLAND TOWNSHIP 025 OF	
PDF URL (Ma	ıp):					
Additional De	etail(s) (Map)					
Well Complet Year Complet Depth (m): Latitude: Longitude: Path:	ted Date: ted:	2012/11/02 2012 10.39 45.4960539745299 -75.4532187711448				
Bore Hole Inf	ormation					
Bore Hole ID DP2BR: Spatial Statu Code OB: Code OB De: Open Hole: Cluster Kind Date Comple Remarks: Elevrc Desc: Location Sou Improvement Source Revis Supplier Con	e: 100457	70412 7-2012 00:00:00		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	97.347122 18 464589.00 5038158.00 UTM83 4 margin of error : 30 m - 100 m wwr	
<u>Overburden a</u> Materials Inte	and Bedrock erval					
Formation ID Layer: Color: General Colo Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation To Formation Er Formation Er Annular Space Sealing Reco	: r: on Material: op Depth: od Depth: od Depth UOM: ce/Abandonment rd	1004600790 1 2 GREY 15 LIMESTONE 26 ROCK 0.0 10.39000034332275 m	54			
Plug ID:		1004600797				
22	erisinfo.com   Env	vironmental Risk Info	rmation Servic	es	Order No: 210730	001373

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer: Plug From: Plug To: Plug Depth U	IOM:	1 0 6.19999980926514 m			
<u>Method of Co</u> <u>Use</u>	onstruction & Well				
Method Cons Method Cons Method Cons Other Method	atruction ID: atruction Code: atruction: d Construction:	1004600796 F H.S.A.			
<u>Pipe Informa</u>	<u>tion</u>				
Pipe ID: Casing No: Comment: Alt Name:		1004600789 0			
<b>Construction</b>	Record - Casing				
Casing ID: Layer: Material: Open Hole of Depth From: Depth To: Casing Diam Casing Diam Casing Depth	r Material: eter: eter UOM: n UOM:	1004600793 1 5 PLASTIC 0 7.09999990463257 5.07999992370605 cm m			
<b>Construction</b>	Record - Screen				
Screen ID: Layer: Slot: Screen Top L Screen End L Screen Matei Screen Depti Screen Diam Screen Diam	Depth: Depth: rial: n UOM: eter UOM: eter:	1004600794 1 10 7.09999990463257 10.3900003433228 5 m cm 5.80000019073486			
Water Details	Ì				
Water ID: Layer: Kind Code: Kind: Water Found Water Found	Depth: Depth UOM:	1004600792 1 7.170000076293945 m			
Hole Diamete	<u>er</u>				
Hole ID: Diameter: Depth From: Depth To: Hole Depth U Hole Diamete	IOM: er UOM:	1004600791 20.29999923706054 0.0 10.39000034332275 m cm	7 4		
23	erisinfo.com   Envi	ronmental Risk Infor	mation Services	i	Order No: 21073001373

Мар Кеу	Number Records	r of S	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
<u>3</u>	1 of 1		E/0.0	95.3 / 10.74	1400 OLD MONTREA Ottawa ON	L ROAD lot 25	wwis
Well ID: Construction Primary Wat Sec. Water S Water Type: Casing Mate Audit No: Tag: Construction Method: Elevation (m Elevation Re Depth to Be Well Depth: Overburden, Pump Rate: Static Water Flowing (Y/M Flow Rate: Clear/Cloud	n Date: ter Use: Use: tatus: erial: n 1): eliability: drock: /Bedrock: /Bedrock: /J: V):	7207986 0 Z163962 A148052			Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	9/17/2013 True 7328 7 1400 OLD MONTREAL ROAD OTTAWA CUMBERLAND TOWNSHIP 025 OF	
PDF URL (Ma	ар):						
Additional D	<u>etail(s) (Ma</u>	<u>o)</u>					
Well Comple Year Comple Depth (m): Latitude: Longitude: Path:	eted Date: eted:	8	2012/11/02 2012 3.74 45.496255848594 75.4522476769836	i			
Bore Hole In	formation						
Bore Hole ID DP2BR: Spatial Statt Code OB: Code OB De Open Hole: Cluster Kinc Date Comple Remarks: Elevrc Desc: Location Soot Improvemen Source Revis Supplier Cor	D: us: esc: d: eted: urce Date: t Location S t Location I sion Common mment:	100457039 02-Nov-20 Source: Method: ent:	94 12 00:00:00		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	98.192924 18 464665.00 5038180.00 UTM83 4 margin of error : 30 m - 100 m wwr	
Overburden Materials Inte	<u>and Bedroc</u> erval	<u>.</u>					
Formation ID Layer: Color: General Colo	): pr:		1004600777 1 2 GREY				
24	erisinfo.cc	om   Enviro	nmental Risk Info	rmation Service	es	Order No: 2107	73001373

Map Key Nun Rec	nber of ords	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat1: Most Common Mate Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation Ton Dep	erial: th	15 LIMESTONE 26 ROCK			
Formation End Dep Formation End Dep	th: th UOM:	8.739999771118164 m			
<u>Annular Space/Aba</u> <u>Sealing Record</u>	<u>ndonment</u>				
Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:		1004600783 1 0 5.80000019073486 m			
<u>Method of Construc</u> <u>Use</u>	ction & Well				
Method Constructic Method Constructic Method Constructic Other Method Cons	on ID: on Code: on: truction:	1004600782			
<u>Pipe Information</u>					
<i>Pipe ID: Casing No: Comment: Alt Name:</i>		1004600776 0			
Construction Recor	rd - Casing				
Casing ID: Layer: Material: Open Hole or Mater Depth From: Depth To: Casing Diameter: Casing Diameter UC Casing Depth UOM:	ial: DM:	1004600780 1 5 PLASTIC 0 7.09999990463257 5.07999992370605 cm m			
Construction Recor	rd - Screen				
Screen ID: Layer: Slot: Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM: Screen Diameter UC Screen Diameter:	ЭМ:	1004600781 1 10 7.09999990463257 8.73999977111816 5 m cm 5.80000019073486			
Water Details					
Water ID:		1004600779			

Мар Кеу	Number Records	of S	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Layer: Kind Code: Kind: Water Found I Water Found I	Depth: Depth UON	л: г	I 7.349999904632568 n	1			
Hole Diameter	<u>:</u>						
Hole ID: Diameter: Depth From: Depth To: Hole Depth UC Hole Diameter	ОМ: • UOM:	2 ( ( { (	1004600778 20.29999923706054 ).0 3.7399999771118164 n cm	.7			
<u>4</u>	1 of 1		N/0.0	88.1/ 3.59	1422 Old Montreal Rd Ottawa ON K4A 3N8		EHS
Order No: Status: Report Type: Report Date: Date Received Previous Site Lot/Building S Additional Info	d: Name: Size: o Ordered:	201906032 C Standard F 10-JUN-19 03-JUN-19	240 Report		Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	NY .25 -75.45875 45.501611	
<u>5</u>	1 of 1		N/0.0	88.3/ 3.72	lot 25 con 1 ON		WWIS
Well ID: Construction Primary Wate Sec. Water Us Final Well Sta Water Type: Casing Mater Audit No: Tag: Construction Method: Elevation Rel Depth to Bed Well Depth: Overburden/E Pump Rate: Static Water I Flowing (Y/N) Flow Rate: Clear/Cloudy:	Date: r Use: se: atus: ial: ial: iability: rock: Bedrock: Level: :	1513125 Domestic 0 Water Sup	ply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 8/15/1961 True 1504 1 OTTAWA CUMBERLAND TOWNSHIP 025 01 OF	
PDF URL (Map	o):	ł	https://d2khazk8e83	rdv.cloudfront.ne	t/moe_mapping/downloads/2	Water/Wells_pdfs/151\1513125.pdf	
<u>Additional Det</u> Well Complete Year Complete Depth (m): Latitude: Longitude:	t <u>ail(s) (Ma</u> r ed Date: ed:	2) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	1961/08/01 1961 54.008 15.5019212224055 75.4581068606122				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Path:		151\1513125.pdf				
Bore Hole In	formation					
Bore Hole II DP2BR: Spatial Statu Code OB: Code OB De Open Hole: Cluster Kind Date Comple Remarks: Elevrc Desc: Location Sou Improvement Source Revis Supplier Com	0: 100351 10.00 us: r esc: Bedroc d: eted: 01-Aug urce Date: t Location Source: t Location Method: sion Comment: mment:	113 k  -1961 00:00:00		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	95.313407 18 464210.80 5038812.00 5 margin of error : 100 m - 300 m p5	
<u>Overburden a</u> <u>Materials Inte</u>	<u>and Bedrock</u> erval					
Formation ID Layer: Color: General Colo Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation To Formation En	): or: on Material: op Depth: nd Depth: nd Depth UOM:	931022477 1 13 BOULDERS 11 GRAVEL 0.0 10.0 ft				
<u>Overburden a</u> Materials Inte	<u>and Bedrock</u> erval					
Formation ID Layer: Color: General Colo Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation To	o: or: on Material: op Depth:	931022478 2 GREY 15 LIMESTONE				
Formation El Formation El	nd Depth: nd Depth UOM:	210.0 ft				
Method Cons Use Method Cons Method Cons Method Cons Other Method	struction ID: struction Code: struction: d Construction:	961513125 7 Diamond				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Pipe Informa	<u>tion</u>					
Pipe ID: Casing No: Comment: Alt Name:		10583683 1				
<b>Construction</b>	Record - Casing					
Casing ID: Layer: Material: Open Hole ol Depth From: Depth To: Casing Diam	Material: eter:	930062212 1 STEEL 25 2				
Casing Diam Casing Deptl	eter UOM: n UOM:	inch ft				
<u>Construction</u>	Record - Casing					
Casing ID: Layer: Material: Open Hole of Depth From: Depth To: Casing Diam Casing Diam Casing Depth	r Material: eter: eter UOM: n UOM:	930062213 2 4 OPEN HOLE 210 2 inch ft				
<u>Results of W</u>	ell Yield Testing					
Pump Test IL Pump Set At. Static Level: Final Level A Recommend Flowing Rate Recommend Levels UOM: Rate UOM: Water State A Pumping Tes Pumping Dun Pumping Dun Flowing:	): fter Pumping: ed Pump Depth: e: : ed Pump Rate: After Test Code: After Test: After Test: at Method: ration HR: ration MIN:	991513125 75.0 85.0 3.0 3.0 ft GPM 1 CLEAR 1 3 0 No				
Water Details	Ì					
Water ID: Layer: Kind Code: Kind: Water Found Water Found	Depth: Depth UOM:	933468626 1 1 FRESH 210.0 ft				
<u>6</u>	1 of 1	N/0.0	88.3 / 3.72	ON		BORE
28	erisinfo.com   Env	vironmental Risk Info	rmation Service	s	Order No: 2107300	)1373

Мар Кеу	Number Records	r of s	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Borehole ID: OGF ID: Status: Type: Use: Completion D	Date:	616417 215517204 Borehole AUG-1961			Inclin FLG: SP Status: Surv Elev: Piezometer: Primary Name: Municipality:	No Initial Entry No No
Static Water L Primary Wate Sec. Water Us Total Depth n Depth Ref	Level: r Use: se: 1:	64 Ground Sur	face		Lot: Township: Latitude DD: Longitude DD: UTM Zone:	45.501923 -75.458107 18
Depth Elev: Drill Method: Orig Ground I Elev Reliabil I	Elev m: Note:	85.3			Easting: Northing: Location Accuracy: Accuracy:	464211 5038812 Not Applicable
DEM Ground Concession: Location D: Survey D: Comments:	Elev m:	95.3				
Borehole Geol	logy Strati	<u>um</u>				
Geology Strat Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 4:	tum ID: n: r:	218403875 3 64 Blue Limestone			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Gsc Material L Stratum Desci	Description ription:	n: L	MESTONE. GREY	7. GRANITE. BLUE s provided by the o	. 002800098OCITY = 660 department have a truncat	00. BEDROCK. SEISMIC VELOCITY = 1900 ted [Stratum Description] field.
Geology Strat Top Depth: Bottom Depth Material Colou Material 1: Material 2: Material 3: Material 4: Gsc Material 1	tum ID: n: r: Description	218403874 0 3 Boulders Gravel			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Stratum Desci	ription:	В	OULDERS.			
Source Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name: Source Details Confiden 1:	5:	Data Surve Geological 1956-1972 U F	y Survey of Canada rban Geology Auto ile: OTTAWA2.txt F	mated Information RecordID: 08925 N	Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda: System (UGAIS) TS_Sheet:	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level
<u>Source List</u> Source Identi Source Type: Source Date:	fier:	1 Data Surve 1956-1972	y		Horizontal Datum: Vertical Datum: Projection Name:	NAD27 Mean Average Sea Level Universal Transverse Mercator

Мар Кеу	Number o Records	of Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Scale or Res Source Name Source Origi	solution: \ e: nators:	Varies Urban Geology Aut Geological Survey	omated Information of Canada	on System (UGAIS)		
<u>7</u>	1 of 1	NNE/0.0	88.8 / 4.25	lot 25 con 1 ON		wwis
Well ID: Construction Primary Wat Sec. Water U Final Well Si Water Type: Casing Mate Audit No: Tag: Construction Method: Elevation Re Depth to Bed Well Depth: Overburden, Pump Rate: Static Water Flowing (YM Flow Rate: Clear/Cloud	1 n Date: ler Use: [] Jse: () tatus: V prial: n )): bliability: drock: /Bedrock: /Level: l): v.	1513933 Domestic 0 Water Supply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 3/18/1974 True 1504 1 OTTAWA CUMBERLAND TOWNSHIP 025 01 OF	
PDF URL (Ma	ap):	https://d2khazk8e8	3rdv.cloudfront.ne	t/moe_mapping/downloads	s/2Water/Wells_pdfs/151\1513933.pdf	
<u>Additional De</u> Well Comple Year Comple Depth (m): Latitude: Longitude: Path:	<u>etail(s) (Map)</u> ted Date: ted:	1973/09/19 1973 70.104 45.5018977071683 -75.457236260277 151\1513933.pdf	8			
Bore Hole In	formation					
Bore Hole ID DP2BR: Spatial Statu Code OB: Code OB De Open Hole: Cluster Kind Date Comple Remarks: Elevrc Desc: Location Sou Improvement Source Revis	o: 1 IS: IS: ISC: E I: I: It Cotton So It Location Me Sion Commen Sion Commen	10035915 6.00 r Bedrock 19-Sep-1973 00:00:00 purce: ethod: nt:		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC: UTMRC Desc: Location Method:	94.575462 18 464278.80 5038809.00 4 margin of error : 30 m - 100 m p4	

### Overburden and Bedrock Materials Interval

### Formation ID:

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer: Color: General Color Mat1: Most Commo Most2:	r: n Material:	2 6 BROWN 19 SLATE			
Mat2. Mat2 Desc: Mat3: Mat3 Desc: Formation To	p Depth:	6.0			
Formation En Formation En	d Depth: d Depth UOM:	80.0 ft			
<u>Overburden a</u> <u>Materials Inte</u>	<u>nd Bedrock</u> rval				
Formation ID: Layer: Color:		931024832 3 2			
General Color Mat1: Most Commo Mat2: Mat2 Desc: Mat3:	r: n Material:	GREY 15 LIMESTONE			
<i>Mat3 Desc: Formation To Formation En Formation En</i>	p Depth: d Depth: d Depth UOM:	80.0 200.0 ft			
<u>Overburden a</u> <u>Materials Inte</u>	<u>nd Bedrock</u> rval				
Formation ID: Layer: Color: General Color Mat1: Most Commo Mat2: Mat2 Dooo:	r: n Material:	931024833 4 6 BROWN 19 SLATE			
Mat2 Desc. Mat3: Mat3 Desc: Formation To Formation En Formation En	p Depth: d Depth: d Depth UOM:	200.0 230.0 ft			
<u>Overburden a</u> <u>Materials Inte</u>	<u>nd Bedrock</u> rval				
Formation ID: Layer: Color: General Color Mat1: Most Commo Mat2: Mat2 Desc: Mat3:	r: n Material:	931024830 1 6 BROWN 14 HARDPAN			
Mat3 Desc: Formation To Formation En Formation En	p Depth: d Depth: d Depth UOM:	0.0 6.0 ft			

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DI	3
<u>Method of Co</u> <u>Use</u>	nstruction & Well					
Method Cons Method Cons Method Cons Other Method	truction ID: truction Code: truction: I Construction:	961513933 4 Rotary (Air)				
<u>Pipe Informat</u>	ion					
Pipe ID: Casing No: Comment: Alt Name:		10584485 1				
<u>Construction</u>	Record - Casing					
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame Casing Diame Casing Depth	Material: eter: eter UOM: UOM:	930063472 1 STEEL 21 6 inch ft				
<u>Construction</u>	<u> Record - Casing</u>					
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame Casing Diame Casing Depth	Material: eter: eter UOM: UOM:	930063473 2 4 OPEN HOLE 230 6 inch ft				
<u>Results of We</u>	ell Yield Testing					
Pump Test ID Pump Set At: Static Level: Final Level At Recommende Pumping Rate Flowing Rate Recommende Levels UOM:	: fter Pumping: ed Pump Depth: e: ed Pump Rate:	991513933 30.0 200.0 200.0 4.0 4.0 ft				
Rate UOM:		GPM				

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

### Draw Down & Recovery

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Pump Test De Test Type: Test Duration Test Level: Test Level UC	etail ID: : DM:	934380779 Recovery 30 100.0 ft				
<u>Draw Down 8</u>	Recovery					
Pump Test De Test Type: Test Duration Test Level: Test Level UC	etail ID: : DM:	934641772 Recovery 45 50.0 ft				
<u>Draw Down &amp;</u>	Recovery					
Pump Test D Test Type: Test Duration Test Level: Test Level UC	etail ID: : DM:	934899242 Recovery 60 30.0 ft				
<u>Draw Down 8</u>	Recovery					
Pump Test De Test Type: Test Duration Test Level: Test Level UC	etail ID: : DM:	934099705 Recovery 15 150.0 ft				
Water Details						
Water ID: Layer: Kind Code: Kind: Water Found Water Found	Depth: Depth UOM:	933469687 1 FRESH 230.0 ft				
<u>8</u>	1 of 1	W/6.0	85.2 / 0.66	lot 27 con 1 ON		WWIS
Well ID: Construction Primary Wate Sec. Water U: Final Well Sta Water Type: Casing Mater Audit No: Tag: Construction Elevation Rel Depth to Bed Well Depth: Overburden/H Pump Rate: Static Water I Flowing (Y/N) Flow Rate: Clear/Cloudy.	151 Date: Don se: O itus: Wat ial: Method: : iability: rock: Bedrock: Level: :	4989 nestic ter Supply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 10/6/1975 True 1558 1 OTTAWA CUMBERLAND TOWNSHIP 027 01 OF	

### PDF URL (Map):

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1514989.pdf

### Additional Detail(s) (Map)

Well Completed Date:	1975/09/26
Year Completed:	1975
Depth (m):	90.8304
Latitude:	45.4957615319453
Longitude:	-75.4655057861356
Path:	151\1514989.pdf

#### Bore Hole Information

Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole:	10036954 76.00 r Bedrock	Elevation: Elevrc: Zone: East83: North83: Org CS:	85.231178 18 463628.80 5038131.00
Cluster Kind. Date Completed: Remarks: Elevrc Desc: Location Source Date Improvement Location Improvement Location Source Revision Com Supplier Comment:	26-Sep-1975 00:00:00 : n Source: n Method: ment:	UTMRC Desc: Location Method:	4 margin of error : 30 m - 100 m p4
Overburden and Bedr Materials Interval	<u>ock</u>		
Formation ID: Laver:	931027896 3		

Layer:	3
Color:	2
General Color:	GREY
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	68.0
Formation End Depth:	76.0
Formation End Depth UOM:	ft

### Overburden and Bedrock Materials Interval

Formation ID:	931027895
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	17.0
Formation End Depth:	68.0

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation En	d Depth UOM:	ft			
<u>Overburden a</u> <u>Materials Inte</u>	nd Bedrock rval				
Formation ID. Layer: Color: General Colo. Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation To Formation En	r: n Material: p Depth: d Depth:	931027897 4 2 GREY 15 LIMESTONE 85 SOFT 76.0 298.0			
Formation En	d Depth UOM:	ft			
<u>Overburden a</u> Materials Inte	nd Bedrock rval				
Formation ID. Layer: Color: General Colo. Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation To Formation En	r: n Material: p Depth: d Depth: d Depth: d Depth UOM:	931027894 1 6 BROWN 05 CLAY 0.0 17.0 ft			
<u>Method of Co</u> <u>Use</u>	nstruction & Well				
Method Cons Method Cons Method Cons Other Method	truction ID: truction Code: truction: I Construction:	961514989 5 Air Percussion			
<u>Pipe Informat</u>	ion				
Pipe ID: Casing No: Comment: Alt Name:		10585524 1			
<u>Construction</u>	Record - Casing				
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame	Material:	930065329 2 4 OPEN HOLE 298 6			
Casing Diame Casing Diame Casing Depth	eter UOM: UOM:	inch ft			

### Construction Record - Casing

Casing ID:	930065328	
Layer:	1	
Material:	1	
Open Hole or Material:	STEEL	
Depth From:		
Depth To:	78	
Casing Diameter:	6	
Casing Diameter UOM:	inch	
Casing Depth UOM:	ft	

### Results of Well Yield Testing

Pump Test ID:	991514989
Pump Set At:	
Static Level:	75.0
Final Level After Pumping:	175.0
Recommended Pump Depth:	175.0
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:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

### Draw Down & Recovery

Pump Test Detail ID:	934100791
Test Type:	Draw Down
Test Duration:	15
Test Level:	175.0
Test Level UOM:	ft

### Draw Down & Recovery

934645208
Draw Down
45
175.0
ft

### Draw Down & Recovery

Pump Test Detail ID:	934894332
Test Type:	Draw Down
Test Duration:	60
Test Level:	175.0
Test Level UOM:	ft

### Draw Down & Recovery

*Pump Test Detail ID: Test Type: Test Duration:*  934384642 Draw Down 30
Map Key Nun Rec	nber of Directio ords Distance	n/ Elev/Diff e (m) (m)	Site		DB
Test Level: Test Level UOM:	175.0 ft				
Water Details					
Water ID: Layer: Kind Code: Kind: Water Found Depth Water Found Depth	933470974 1 1 FRESH 165.0 <b>UOM:</b> ft				
<u>9</u> 1 of 1	E/38.4	94.3 / 9.79	lot 25 con 1 ON		wwis
Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Tag: Construction Metho Elevation (m): Elevation Reliability Depth to Bedrock: Well Depth: Overburden/Bedrocc Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy: PDF URL (Map):	1513129 Domestic 0 Water Supply d: : k: https://d2kha	zk8e83rdv.cloudfront.	Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 2/23/1971 True 1504 1 OTTAWA CUMBERLAND TOWNSHIP 025 01 OF	
Well Completed Dat Year Completed: Depth (m): Latitude: Longitude: Path:	e: 1970/05/23 1970 45.72 45.4964571 -75.4514071 151\151312	986092 205719 9.pdf			
Bore Hole Informati	on				
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: Remarks: Elevrc Desc:	10035117 10.00 r Bedrock 23-May-1970 00:00:00		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	94.780303 18 464730.80 5038202.00 4 margin of error : 30 m - 100 m p4	

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

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Source Revis Supplier Com	ion Comment: ment:					
<u>Overburden a</u> <u>Materials Inte</u>	<u>nd Bedrock</u> <u>rval</u>					
Formation ID: Layer: Color: General Color Mat1: Most Commo Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation To Formation En	r: n Material: p Depth: d Depth: d Depth: d Depth UOM:	931022487 2 GREY 15 LIMESTONE 10.0 150.0 ft				
<u>Overburden a</u> <u>Materials Inte</u>	<u>nd Bedrock</u> rval					
Formation ID: Layer: Color: General Color Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation To Formation En Formation En	r: n Material: p Depth: d Depth: d Depth: d Depth UOM:	931022486 1 2 GREY 12 STONES 13 BOULDERS 0.0 10.0 ft				
<u>Method of Co</u> <u>Use</u>	nstruction & Well					
Method Cons Method Cons Method Cons Other Method	truction ID: truction Code: truction: Construction:	961513129 1 Cable Tool				
<u>Pipe Informat</u> Pipe ID: Casing No: Comment: Alt Name:	<u>ion</u>	10583687 1				
<u>Construction</u>	Record - Casing					
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame Casing Diame	Material: eter: eter UOM:	930062220 1 1 STEEL 20 6 inch				

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Casing Dept	h UOM:	ft				
<u>Results of W</u>	ell Yield Testing					
Pump Test IL	D:	991513129				
Pump Set At	:	20.0				
Final Level A	fter Pumping:	40.0				
Recommend	ed Pump Depth:	60.0				
Pumping Rat	te:	10.0				
Recommend	ed Pump Rate [.]	6.0				
Levels UOM:		ft				
Rate UOM:		GPM				
Water State	After Test Code: After Test	1 CLEAR				
Pumping Tes	st Method:	2				
Pumping Du	ration HR:	2				
Pumping Du	ration MIN:	0 No				
r iowing.						
Draw Down 8	<u>&amp; Recovery</u>					
Pump Test D	etail ID:	934896516				
Test Type:	<b>.</b>	Draw Down				
Test Level:		40.0				
Test Level U	ОМ:	ft				
Draw Down &	& Recovery					
Pumn Test D	otail ID:	934639034				
Test Type:		Draw Down				
Test Duration	n:	45				
Test Level:	OM-	40.0 ft				
rest Lever O	om.	n				
Draw Down &	<u>&amp; Recovery</u>					
Pump Test D	etail ID:	934378036				
Test Type:		Draw Down				
Test Level:	1.	40.0				
Test Level U	ОМ:	ft				
<u>Draw Down 8</u>	& Recovery					
Pump Test D	etail ID:	934098923				
Test Type:		Draw Down				
Test Duration	n:	15				
Test Level:	OM:	40.0 ft				
Water Details	5					
Water ID:		933468630				
Layer: Kind Codo:		1 1				
Kind:		, FRESH				
Water Found	Depth:	150.0				
Water Found	Depth UOM:	ft				

Map Key	Number Record	r of Direction/ s Distance (m)	Elev/Diff (m)	Site	DE
<u>10</u>	1 of 1	E/38.5	94.3 / 9.79	ON	BORE
Borehole ID: OGF ID: Status: Type: Use: Completion I Static Water Primary Wate Sec. Water U Total Depth Depth Ref: Depth Elev: Drill Method. Orig Ground Elev Reliabil DEM Ground Concession: Location D: Survey D: Comments:	Date: Level: er Use: Jse: m: Elev m: Note: Lelev m:	616405 215517193 Borehole MAY-1970 45.7 Ground Surface 91.4 94.7		Inclin FLG: SP Status: Surv Elev: Piezometer: Primary Name: Municipality: Lot: Township: Latitude DD: Longitude DD: UTM Zone: Easting: Northing: Location Accuracy: Accuracy:	No Initial Entry No No 45.496459 -75.451407 18 464731 5038202 Not Applicable
<u>Borehole Ge</u>	ology Strat	<u>um</u>			
Geology Stra Top Depth: Bottom Dept Material Colo Material 1: Material 2: Material 3: Material 4:	atum ID: th: or:	218403849 0 3 Grey Stones Boulders		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Gsc Material Stratum Des	Descriptio	n: STONES. GREY.			
Geology Stra Top Depth: Bottom Dept Material Colo Material 1: Material 2: Material 2: Material 4: Gsc Material Stratum Des	atum ID: th: or: Descriptio cription:	218403850 3 45.7 Grey Limestone <b>n:</b> LIMESTONE. GREY	Y. 00147IED. SE	Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: ISMIC VELOCITY = 6600. B	EDROCK. SEISMIC VELOCITY = 19000.
<u>Source</u>					
Source Type Source Orig: Source Date	): : :	Data Survey Geological Survey of Canada 1956-1972		Source Appl: Source Iden: Scale or Res:	Spatial/Tabular 1 Varies

Confidence: Observatio: Source Name: Source Details: Confiden 1:

Urban Geology Automated Information System (UGAIS) File: OTTAWA2.txt RecordID: 08913 NTS_Sheet:

Horizontal: Verticalda:

NAD27 Mean Average Sea Level

Source List

Мар Кеу	Number Records	of	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Source Identifi Source Type: Source Date: Scale or Reso Source Name: Source Origin	fier: blution: :: nators:	1 Data Survey 1956-1972 Varies U G	/ rban Geology Auto eological Survey o	mated Informatio f Canada	Horizontal Datum: Vertical Datum: Projection Name: n System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator	
<u>11</u>	1 of 1		W/53.4	76.5/-8.00	lot 27 con 1 ON		wwis
Well ID: Construction Primary Wate Sec. Water Us Final Well Sta Water Type: Casing Materi Audit No: Tag: Construction Elevation Reli Depth to Bedi Well Depth: Overburden/E Pump Rate: Static Water L Flowing (Y/N), Flow Rate: Clear/Cloudy:	Date: r Use: se: itus: ial: Method: : iability: rock: Bedrock: Level: :	1512335 Domestic 0 Water Supp	ly		Data Entry Status: Data Src: Data Src: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 11/10/1972 True 1504 1 OTTAWA CUMBERLAND TOWNSHIP 027 01 OF	
PDF URL (Maj	p):	ht	tps://d2khazk8e83	rdv.cloudfront.net	t/moe_mapping/downloads	/2Water/Wells_pdfs/151\1512335.pdf	
Additional De	etail(s) (Map	2					
Well Complete Year Complete Depth (m): Latitude: Longitude: Path:	ed Date: ted:	19 19 19 49 -7 19	972/05/31 972 9.812 5.496665498847 5.4667675321101 51\1512335.pdf				
Bore Hole Info	ormation						
Bore Hole ID: DP2BR: Spatial Status Code OB: Code OB Des: Open Hole: Cluster Kind: Date Complet Remarks: Elevrc Desc: Location Sour Improvement Improvement Source Revisi Supplier Com	s: c: ted: rce Date: Location So Location M ion Comme iment:	10034327 10.00 r Bedrock 31-May-197 ource: lethod: ort:	2 00:00:00		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	74.747116 18 463530.80 5038232.00 4 margin of error : 30 m - 100 m p4	

Overburden and Bedrock Materials Interval

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID: Layer: Color: General Color. Mat1: Most Commor. Mat2: Mat2 Desc: Mat3: Mat3:	Material:	931020349 2 2 GREY 26 ROCK			
Formation Top Formation End Formation End	) Depth: 1 Depth: 1 Depth UOM:	10.0 65.0 ft			
<u>Overburden an</u> Materials Inter	<u>nd Bedrock</u> val				
Formation ID: Layer: Color: General Color. Mat1: Most Common Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation Too	Material:	931020348 1 3 BLUE 05 CLAY			
Formation Top Formation End Formation End	i Depth: I Depth: I Depth UOM:	10.0 ft			
<u>Method of Cor</u> <u>Use</u>	struction & Well				
Method Const Method Const Method Const Other Method	ruction ID: ruction Code: ruction: Construction:	961512335 1 Cable Tool			
<u>Pipe Informati</u>	<u>on</u>				
Pipe ID: Casing No: Comment: Alt Name:		10582897 1			
Construction I	Record - Casing				
Casing ID: Layer: Material: Open Hole or I Depth From: Depth To: Casing Diame Casing Diame Casing Depth	Material: ter: ter UOM: UOM:	930060853 1 1 STEEL 25 6 inch ft			
Construction I	Record - Casing				

Casing ID:

42

930060854

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		2			
Material: Open Hole or	Material:	4 OPEN HOLE			
Depth From:		05			
Depth To: Casing Diam	eter:	65			
Casing Diam	eter UOM:	inch			
Casing Depth	n UOM:	ft			
<u>Results of We</u>	ell Yield Testing				
Pump Test ID	):	991512335			
Static Level:					
Final Level A	fter Pumping:	5.0			
Recommende Pumping Rat	ed Pump Depth: e:	25.0			
Flowing Rate	:				
Recommende	ed Pump Rate:	6.0 ft			
Rate UOM:		GPM			
Water State A	After Test Code:	1 CLEAR			
Pumping Tes	atter Test: at Method:	2			
Pumping Dur	ation HR:	2			
Pumping Dur Flowina:	ation MIN:	0 No			
5					
<u>Draw Down 8</u>	Recovery				
Pump Test D	etail ID:	934376960			
Test Type: Test Duration	ŋ <i>.</i>	Draw Down 30			
Test Level:		5.0			
Test Level UC	OM:	ft			
<u>Draw Down 8</u>	Recovery				
Pump Test D	etail ID:	934097988			
Test Type:		Draw Down			
Test Level:		5.0			
Test Level U	ОМ:	ft			
<u>Draw Down 8</u>	Recovery				
Pump Test D	etail ID:	934895861			
Test Type:	_	Draw Down			
Test Duration	1:	5.0			
Test Level UC	ОМ:	ft			
<u>Draw Down 8</u>	Recovery				
Pump Test D	etail ID:	934647287			
Test Type:		Draw Down			
Test Level:		5.0			
Test Level U	ОМ:	ft			
Water Details	1				
43	erisinfo.com   En	vironmental Risk Info	rmation Service	S	Order No: 21073001373

Map Key Numbe Record	er of Direction/ Is Distance (m)	Elev/Diff (m)	Site		DB
Water ID: Layer: Kind Code: Kind: Water Found Depth: Water Found Depth UC	933467738 1 1 FRESH 65.0 <b>DM:</b> ft				
<u>12</u> 1 of 1	NE/61.0	90.0 / 5.49	lot 24 con 1 ON		WWIS
Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:	1513111 Domestic 0 Water Supply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 4/3/1952 True 3725 1 OTTAWA CUMBERLAND TOWNSHIP 024 01 OF	
PDF URL (Map):	https://d2khazk8e8	3rdv.cloudfront.ne	et/moe_mapping/downloads	/2Water/Wells_pdfs/151\1513111.pdf	
Additional Detail(s) (Ma	<u>ap)</u>				
Well Completed Date: Year Completed: Depth (m): Latitude: Longitude: Path:	1952/02/07 1952 24.6888 45.5022495500934 -75.4547814658960 151\1513111.pdf	6			
Bore Hole Information					
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: Remarks: Elevrc Desc: Location Source Date: Improvement Location	10035099 12.00 r Bedrock 07-Feb-1952 00:00:00 Source:		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	93.038993 18 464470.80 5038847.00 9 unknown UTM p9	
Source Revision Comn Supplier Comment:	nent:				

# Overburden and Bedrock

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Materials Inte	<u>rval</u>				
Formation ID: Layer: Color:		931022446 2			
General Color Mat1: Most Commo Mat2: Mat2 Desc: Mat3: Mat3 Desc:	r: n Material:	18 SANDSTONE			
Formation To	p Depth:	12.0			
Formation En Formation En	d Depth: d Depth UOM:	81.0 ft			
<u>Overburden a</u> <u>Materials Inte</u>	nd Bedrock rval				
Formation ID: Layer: Color:		931022445 1			
General Colo Mat1: Most Commo Mat2:	r: n Material:	05 CLAY			
<i>Mat2 Desc: Mat3: Mat3 Desc: Formation To</i>	p Depth:	0.0			
Formation En Formation En	d Depth: d Depth UOM:	12.0 ft			
<u>Method of Co</u> <u>Use</u>	nstruction & Well				
Method Cons	truction ID:	961513111 1			
Method Cons Method Cons Other Method	truction: I Construction:	Cable Tool			
<u>Pipe Informat</u>	ion				
Pipe ID: Casing No: Comment: Alt Name:		10583669 1			
Construction	<u>Record - Casing</u>				
Casing ID:		930062186			
Layer: Material:		∠ 4			
Open Hole or Depth From:	Material:	OPEN HOLE			
Depth To:		81			
Casing Diame Casing Diame	eter: eter UOM:	4 inch			
Casing Depth	UOM:	ft			

### Construction Record - Casing

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Casing ID: Layer: Material: Open Hole or Depth From: Depth From: Casing Diame Casing Diame Casing Depth	Material: eter: eter UOM: UOM:	930062185 1 1 STEEL 20 4 inch ft				
Cuching Dopan	001111					
<u>Results of We</u>	ell Yield Testing					
Pump Test ID. Pump Set At: Static Level: Final Level Af Recommende Pumping Rate: Recommende Levels UOM: Rate UOM: Water State A Water State A Pumping Dura Flowing: <u>Water Details</u> Water ID: Layer: Kind Code: Kind: Water Found	: ter Pump Depth: d Pump Rate: d Pump Rate: fter Test Code: fter Test: t Method: ation HR: ation MIN: Depth:	991513111 12.0 15.0 3.0 ft GPM 1 CLEAR 1 0 30 No 933468612 1 1 FRESH 81.0				
Water Found	Depth UOM:	ft				
<u>13</u>	1 of 1	NE/61.1	90.0 / 5.49	ON		BORE
Borehole ID: OGF ID: Status: Type: Use: Completion D Static Water L Primary Wate Sec. Water Us Total Depth m Depth Ref: Depth Elev: Drill Method: Orig Ground I Elev Reliabil I DEM Ground I DEM Ground I Concession: Location D: Survey D: Comments:	6164 2155 Bore revel: r Use: r: 24.7 Grou Elev m: 85.3 Vote: Elev m: 93	19 17206 hole 1952 Ind Surface		Inclin FLG: SP Status: Surv Elev: Piezometer: Primary Name: Municipality: Lot: Township: Latitude DD: Longitude DD: UTM Zone: Easting: Northing: Location Accuracy: Accuracy:	No Initial Entry No No 45.502252 -75.454782 18 464471 5038847 Not Applicable	

Мар Кеу	Numbe Record	r of s	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Borehole Geo	ology Strat	um					
Geology Strat Top Depth: Bottom Depth Material Color Material 1: Material 2: Material 3: Material 4: Gsc Material 1 Stratum Desc	tum ID: 1: r: Descriptio	218403878 0 3.7 Clay <b>n</b> :	3		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:		
Geology Strat Top Depth: Bottom Depth Material Color Material 1: Material 2: Material 3: Material 4: Gsc Material 1 Stratum Desc	tum ID: n: r: Descriptio ription:	218403879 3.7 24.7 Blue Sandstone <b>n:</b>	) SANDSTONE. 0008 Jany records provid	1 GRANITE. BLUI led by the departm	Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: E. 0028000980CITY = 660 tent have a truncated [Strat	0. BEDROCK. SEISMIC VELOCITY = ** tum Description] field.	Note:
Source Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name Source Detail Confiden 1:	: 's:	Data Surve Geological 1956-1972 L	ey Survey of Canada Jrban Geology Auto File: OTTAWA2.txt F	mated Informatior RecordID: 08927 N	Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda: System (UGAIS) ITS_Sheet:	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level	
Source List							
Source Identii Source Type: Source Date: Scale or Resc Source Name Source Origin	fier: blution: : nators:	1 Data Surve 1956-1972 Varies L	y Jrban Geology Auto Geological Survey o	mated Informatior f Canada	Horizontal Datum: Vertical Datum: Projection Name: System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator	
<u>14</u>	1 of 1		E/62.2	91.7 / 7.11	1562 Jonquille Way, ( ON	Cumberland	PINC
Incident ID: Incident No: Incident Repo Type: Status Code: Tank Status: Task No: Spills Action Fuel Type: Fuel Occurren Date of Occur Occurrence S Depth: Customer Acd Incident Addr	orted Dt: Centre: nce Tp: rrence: Start Dt: ct Name: ress:	2787300 630600 FS-Pipeline Da RC Establis 3424526 Natural Ga Pipeline St 7/12/2011 0 2011/07/27	e Incident amage Reason Est shed s rike 0:00		Pipe Material: Fuel Category: Health Impact: Environment Impact: Property Damage: Service Interrupt: Enforce Policy: Public Relation: Pipeline System: PSIG: Attribute Category: Regulator Location: Method Details:	Natural Gas No No Yes Yes No FS-Perform P-line Inc Invest E-mail	

Мар Кеу	Number Records	r of Direction/ s Distance (m)	Elev/Diff (m)	Site		DE
Dperation Type Pipeline Type Regulator Typ Summary: Reported By: Affiliation: Dccurrence D Damage Reas Notes:	pe: ; pe: Pesc: on:	Construction Site ( 1562 Jonquille Wa Alan Armstrong Industry Stakeholo pipe line damage Excavation practic	pipeline strike) y, Cumberland - 1, ler (Licensee/Regis es not sufficient	/2" Pipeline Hit stration/Certificate Holder, Fa	acility Owner, etc.)	
<u>15</u>	1 of 1	W/71.7	80.8 / -3.70	1208 Old Montreal Ro Orléans ON K4A 3N6	pad	EHS
Order No: Status: Report Type: Report Date: Jate Received Previous Site .ot/Building S Additional Info	d: Name: Size: o Ordered:	21020200030 C Standard Report 05-FEB-21 02-FEB-21		Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	ON .25 -75.4666548 45.4960694	
<u>16</u>	1 of 1	ENE/79.4	89.2 / 4.64	lot 24 ON		wwis
Vell ID: Construction Primary Water Sec. Water Us Vater Type: Casing Materi Ludit No: Cag: Construction Cag: Construction (m): Construction Redi Vell Depth: Coverburden/E Cump Rate: Catic Water L Cowing (Y/N). Cow Rate: Clear/Cloudy: CDF URL (Maj	Date: r Use: tus: tal: Method: ability: rock: Bedrock: .evel: : p):	1523410 Domestic Water Supply 37591 https://d2khazk8e8	33rdv.cloudfront.ne	Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 5/8/1989 True 2351 1 OTTAWA CUMBERLAND TOWNSHIP 024 OF OF	
dditional De	s). tail(s) (Mar	n)		nino_inapping, aomioador		
Vell Complete 'ear Complet )epth (m): .atitude: .ongitude: Path:	ed Date: ed:		8 53			
	rmotion					
<u> Bore Hole Info</u>	Dimation					

Spatial Status:Zone:18Code OB:rEast83:464652.00Code OB Desc:BedrockNorth83:5038482.00Open Hole:Org CS:UTM83Cluster Kind:UTMRC:5Date Completed:09-Apr-1989 00:00:00UTMRC Desc:margin of error : 100 m - 300 mLocation Method:gisElevrc Desc:Improvement Location Source:Improvement Location Method:Improvement Location Method:Source Revision Comment:Supplier Comment:	
<u>Overburden and Bedrock</u> <u>Materials Interval</u>	
Formation ID:931054525Layer:1Color:6General Color:BROWNMat1:14Most Common Material:HARDPANMat2:HARDPANMat3:931054525Mat3:931054525Formation Top Depth:0.0Formation End Depth:19.0Formation End Depth UOM:tt	
<u>Overburden and Bedrock</u> <u>Materials Interval</u>	
Formation ID:931054526Layer:2Color:3General Color:BLUEMat1:17Most Common Material:SHALEMat2:SHALEMat3:IMat3:IFormation Top Depth:19.0Formation End Depth:222.0Formation End Depth UOM:t	
Annular Space/Abandonment Sealing Record	
Plug ID: 933110277   Layer: 1   Plug From: 4   Plug To: 44   Plug Depth UOM: ft	
Method of Construction & Well   Use   Method Construction ID: 961523410   Method Construction Code: 1	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Cons Other Method	struction: d Construction:	Cable Tool			
<u>Pipe Informa</u>	tion				
Pipe ID: Casing No: Comment: Alt Name:		10593755 1			
<b>Construction</b>	Record - Casing				
Casing ID: Layer: Material: Open Hole of Depth From: Depth To: Casing Diam Casing Diam Casing Depth	r Material: eter: eter UOM: n UOM:	930079064 1 STEEL 44 6 inch ft			
<u>Results of W</u>	ell Yield Testing				
Pump Test IL Pump Set At. Static Level: Final Level A Recommend Pumping Rate Recommend Levels UOM: Rate UOM: Water State A Water State A Pumping Tes Pumping Dun Flowing:	): fter Pumping: ed Pump Depth: e: ed Pump Rate: ed Pump Rate: After Test Code: After Test: to Method: ation HR: ration MIN:	991523410 23.0 218.0 218.0 3.0 2.0 ft GPM 2 CLOUDY 2 1 30 No			
<u>Draw Down 8</u>	Recovery				
Pump Test D Test Type: Test Duratio Test Level: Test Level U	etail ID: 1: OM:	934389169 30 135.0 ft			
Draw Down &	Recovery				
Pump Test D Test Type: Test Duration Test Level: Test Level U	etail ID: 1: OM:	934650151 45 200.0 ft			
<u>Draw Down 8</u>	<u>Recovery</u>				
Pump Test D Test Type:	etail ID:	934104940			
50	erisinfo.com   En	vironmental Risk Info	rmation Service	S	Order No: 21073001373

Мар Кеу	Numbe Record	r of 's	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Tost Duration	••		15				
Test Duration	l:		15				
Test Level.	∩ <i>M</i> -		65.0 ft				
Test Level OC	<i>JWI.</i>		n				
<u>Draw Down 8</u>	Recovery	<u>'</u>					
Pump Test De	etail ID:		934907355				
Test Type:	0111121						
Test Duration	ı:		60				
Test Level:			218.0				
Test Level UC	ЭM:		ft				
Water Details	2						
Water ID:			933481654				
Layer:			1				
Kind Code:			1				
Kind:			FRESH				
Water Found	Depth:		75.0				
Water Found	Depth UO	M:	ft				
<u>17</u>	1 of 1		NNE/85.7	89.6 / 5.11	1120 TED KELLY LA Ottawa ON	NE lot 25	WWIS
		7440700					
Well ID:	-	7149729			Data Entry Status:		
Construction	Date:	Descrit			Data Src:	0/40/0040	
Primary Wate	er Use:	Domestic	;		Date Received:	8/10/2010	
Sec. Water U	se:				Selected Flag:	Irue	
Final Well Sta	atus:	Water Su	ірріу		Abandonment Rec:	0000	
Water Type:					Contractor:	6006	
Casing Mater	rial:	7447007			Form Version:	1	
Audit No:		Z117697			Owner:		
Tag:		A098416			Street Name:	1120 IED KELLY LANE	
Construction	Method:				County:		
Elevation (m)	):				Municipality:	CUMBERLAND TOWNSHIP	
Elevation Rel	liability:				Site Info:	005	
Depth to Bed	rock:				Lot:	025	
Well Depth:					Concession:	05	
Overburden/E	Bedrock:				Concession Name:	OF	
Pump Rate:					Easting NAD83:		
Static Water	Level:				Northing NAD83:		
Flowing (Y/N)	):				Zone:		
Flow Rate:					UTM Reliability:		
Clear/Cloudy	-						
PDF URL (Ma	ар):		https://d2khazk8e8	3rdv.cloudfront.n	et/moe_mapping/downloads/	2Water/Wells_pdfs/714\7149729.pdf	
Additional De	etail(s) (Ma	<u>p)</u>					
Well Complet	ted Date [.]		2010/06/30				
Year Complet	ted:		2010				
Denth (m)			100				
Latitude:			45.5035430302804	L			
Longitude.			-75 455454947143	6			
Path:			714\7149729.pdf	-			
Bore Hole Inf	formation						

Bore Hole ID:	1003279872	Elevation:	94.313606
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	464419.00

Map Key Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		D
Code OB Desc: Open Hole: Cluster Kind: Date Completed: 30-Jun Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:	-2010 00:00:00		North83: Org CS: UTMRC: UTMRC Desc: Location Method:	5038991.00 UTM83 5 margin of error : 100 m - 300 m wwr	
Overburden and Bedrock Materials Interval					
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	1003298232 2 GREY 15 LIMESTONE 73 HARD 3.640000104904175 100.0 m	5			
<u>Overburden and Bedrock</u> <u>Materials Interval</u>					
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	1003298231 1 6 BROWN 02 TOPSOIL 11 GRAVEL 17 SHALE 0.0 3.640000104904175 m	i			
<u>Annular Space/Abandonment</u> <u>Sealing Record</u>					
Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:	1003298235 1 6.059999994277954 0 m				
Method of Construction & Well Use					
Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	1003298263 1 Cable Tool ROTARY AIR				

### Pipe Information

Pipe ID:	1003298229
Casing No:	0
Comment:	
Alt Name:	

#### Construction Record - Casing

Casing ID:	1003298237
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-0.449999988079071
Depth To:	6.65999984741211
Casing Diameter:	15.8599996566772
Casing Diameter UOM:	cm
Casing Depth UOM:	m

#### **Construction Record - Screen**

Screen ID:	1003298238
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

### Results of Well Yield Testing

Pump Test ID:	1003298230
Pump Set At:	54.54999923706055
Static Level:	27.84000015258789
Final Level After Pumping:	54.54999923706055
Recommended Pump Depth:	98.4800033569336
Pumping Rate:	13.5
Flowing Rate:	
Recommended Pump Rate:	22.75
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	0
Pumping Duration HR:	
Pumping Duration MIN:	27
Flowing:	

### Draw Down & Recovery

Pump Test Detail ID:	1003298240
Test Type:	Recovery
Test Duration:	1
Test Level:	54.459999084472656
Test Level UOM:	m

#### Draw Down & Recovery

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test De Test Type: Test Duration: Test Level: Test Level UO	etail ID: : M:	1003298241 Draw Down 2 32.93999862670898 m	4		
Draw Down &	<u>Recovery</u>				
Pump Test De Test Type: Test Duration: Test Level: Test Level UO	etail ID: : M:	1003298243 Draw Down 3 36.79999923706055 m	i		
Draw Down &	Recovery				
Pump Test De Test Type: Test Duration: Test Level: Test Level UO	etail ID: : M:	1003298259 Recovery 40 51.09999847412109 m	4		
<u>Draw Down &amp;</u>	<u>Recovery</u>				
Pump Test De Test Type: Test Duration: Test Level: Test Level UO	stail ID: : M:	1003298244 Recovery 3 54.27999877929687 m	5		
Draw Down &	<u>Recovery</u>				
Pump Test De Test Type: Test Duration: Test Level: Test Level UO	etail ID: : :M:	1003298246 Recovery 4 54.20000076293945 m	i		
<u>Draw Down &amp;</u>	<u>Recovery</u>				
Pump Test De Test Type: Test Duration. Test Level: Test Level UO	etail ID: : M:	1003298247 Draw Down 5 42.08000183105469 m	1		
<u>Draw Down &amp;</u>	Recovery				
Pump Test De Test Type: Test Duration: Test Level: Test Level UO	etail ID: : :M:	1003298250 Recovery 10 53.15000152587890 m	6		
<u>Draw Down &amp;</u>	<u>Recovery</u>				
Pump Test De Test Type:	etail ID:	1003298253 Draw Down			

Test Type: Test Duration: Test Level: Draw Down 20 51.22999954223633

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DE
Test Level U	ОМ:	m			
Draw Down &	& Recovery				
Pump Test D	etail ID:	1003298239 Draw Down			
Test Duration	n:	1			
Test Level:		30.04000091552734	4		
Test Level U	ОМ:	m			
Draw Down &	& Recovery				
Pump Test D	etail ID:	1003298256			
Test Type:		Recovery			
Test Duration	1:	25 51 95000076293945			
Test Level U	ОМ:	m			
Draw Down &	& Recoverv				
Dumm Toot D		1002208245			
Test Type:	etali ID:	Draw Down			
Test Duration	n:	4			
Test Level:	o <i>u</i> .	39.11999893188476	6		
Test Level O		111			
Draw Down &	<u>&amp; Recovery</u>				
Pump Test D	etail ID:	1003298252			
Test Type:		Recovery			
Test Level:	1.	52.70000076293945			
Test Level U	ОМ:	m			
<u>Draw Down 8</u>	& Recovery				
Pump Test D	etail ID:	1003298254			
Test Type:		Recovery			
Test Duration	n:	20 52.25			
Test Level U	ОМ:	m			
Draw Down &	& Recovery				
Dumm Toot D		1002209242			
Test Type:	etali ID:	Recoverv			
Test Duration	n:	2			
Test Level:	o <i>u</i> .	54.36999893188476	6		
Test Level U		111			
<u>Draw Down 8</u>	<u>Recovery</u>				
Pump Test D	etail ID:	1003298249			
Test Type: Test Duration	n:	Draw Down 10			
Test Level:		45.15999984741211			
Test Level U	ОМ:	m			
<u>Draw Down 8</u>	& Recovery				
55	erisinfo.com   Er	vironmental Risk Infor	mation Service	es	Order No: 21073001373

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test D Test Type: Test Duratior Test Level: Test Level U	etail ID: 1: DM:	1003298251 Draw Down 15 48.18000030517578 m			
<u>Draw Down 8</u>	Recovery				
Pump Test D Test Type: Test Duratior Test Level: Test Level U(	etail ID: n: DM:	1003298257 Draw Down 30 54.54999923706055 m			
<u>Draw Down 8</u>	Recovery				
Pump Test D Test Type: Test Duratior Test Level: Test Level U(	etail ID: n: DM:	1003298260 Recovery 50 50.91999816894531 m			
<u>Draw Down 8</u>	Recovery				
Pump Test D Test Type: Test Duratior Test Level: Test Level U(	etail ID: n: DM:	1003298248 Recovery 5 53.70000076293945 m			
<u>Draw Down 8</u>	Recovery				
Pump Test D Test Type: Test Duratior Test Level: Test Level U(	etail ID: n: DM:	1003298258 Recovery 30 51.70000076293945 m			
<u>Draw Down 8</u>	Recovery				
Pump Test D Test Type: Test Duratior Test Level: Test Level U(	etail ID: n: DM:	1003298255 Draw Down 25 54.02000045776367 m			
<u>Draw Down 8</u>	Recovery				
Pump Test D Test Type: Test Duratior Test Level: Test Level UC	etail ID: 1: DM:	1003298261 Recovery 60 50.779998779296879 m	5		
Water Details	i				
Water ID: Layer:		1003298236 1			

Мар Кеу	Number Records	of	Direction/ Distance (m)	Elev/Diff (m)	Site		D
Kind:			FRESH				
Vater Found Vater Found	d Depth: d Depth UOM	1:	68.1800003051757 m	8			
Hole Diamet	ter						
Hole ID:			1003298233				
Diameter:			15.8599996566772	46			
Depth From	:		0.0	<u> </u>			
Depth To:			6.65999984741210	9			
Hole Deptri ( Hole Diamet	tor UOM		rm				
			on				
<u>Hole Diamet</u>	ter						
Hole ID:			1003298234				
Diameter:			15.5500001907348	63			
Depth From	:		6.65999984741210	9			
Depth To:			100.0				
Hole Depth ( Hole Diamet	UOM: tor UOM:		m cm				
			cin				
<u>18</u>	1 of 1		NNE/86.8	89.9 / 5.33	lot 24 con 1 ON		wwis
Well ID:		1514504			Data Entry Status:		
Constructio	n Date:				Data Src:	1	
Primary Wat	ter Use:	Domestic			Date Received:	1/23/1975	
Sec. Water (	Jse:	0 Wotor Su	nnly		Selected Flag:	Irue	
Final Well Si Wotor Typo	tatus:	water Su	рріу		Abandonment Rec:	1504	
Water Type: Casing Mate	vrial.				Contractor: Form Version:	1504	
Casing Male	ilal.				Owner	I	
Tao:					Street Name:		
Constructio	n Method:				County:	OTTAWA	
Elevation (m	n):				Municipality:	CUMBERLAND TOWNSHIP	
Elevation Re	eliability:				Site Info:		
Depth to Be	drock:				Lot:	024	
Well Depth:					Concession:	01	
Overburden	/Bedrock:				Concession Name:	OF	
Pump Rate:					Easting NAD83:		
Static Water	'Level:				Northing NAD83:		
Flowing ( 1/1 Elow Boto:	v):				Zone: UTM Poliobility:		
Clear/Cloud	y:				o na Renability.		
PDF URL (M	lap):		https://d2khazk8e83	Brdv.cloudfront.ne	et/moe_mapping/downloads	c/2Water/Wells_pdfs/151\1514504.pdf	
Additional D	Detail(s) (Map	)					
Well Comple	eted Date:		1974/04/23				
Year Comple	eted:		1974				
Depth (m):			92.964				
Latitude:			45.5027627512896				
Longitude:			-75.4547471968979	9			
Path:			151\1514504.pdf				
Bore Hole In	nformation						
Bore Hole IL	D:	10036477	7		Elevation:	94.542221	
DP2BR:		3.00			Elevrc:	19	
spatiai Stati	15:				Zone:	10	
	erisinfo co	m   Envir	onmental Risk Info	rmation Servic	es	Order No [.] 21073	3001373
57	0.10110.00						

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Code OB: Code OB Dess Open Hole: Cluster Kind: Date Complet Remarks: Elevrc Desc: Location Sou Improvement Improvement Source Revis Supplier Com	r Bedro ted: 23-Ap rce Date: Location Source: Location Method. ion Comment: ment:	ck r-1974 00:00:00		East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	464473.80 5038904.00 4 margin of error : 30 m - 100 m p4	
<u>Overburden a</u> <u>Materials Inte</u>	nd Bedrock rval					
Formation ID. Layer: Color: General Colo. Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation To Formation Formation Formation	r: n Material: p Depth: id Depth: ud Depth:	931026427 2 3 BLUE 17 SHALE 3.0 10.0				
<u>Overburden a</u> Materials Inte	and Bedrock					
Formation ID. Layer: Color: General Colo. Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation To Formation En	r: n Material: p Depth: d Depth: d Depth: d Depth	931026430 5 6 BROWN 19 SLATE 150.0 250.0 ft				
<u>Overburden a</u> <u>Materials Inte</u>	and Bedrock rval					
Formation ID. Layer: Color: General Colo. Mat1: Most Commo Mat2: Mat2 Desc: Mat3:	r: n Material:	931026431 6 2 GREY 15 LIMESTONE				
Mat3 Desc: Formation To Formation En Formation En	p Depth: Id Depth: Id Depth UOM:	250.0 305.0 ft				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DI
<u>Overburden a</u> <u>Materials Inte</u>	and Bedrock erval				
Formation ID	:	931026426			
Layer:		1			
Color:					
Mat1:	<i>.</i>	14			
Most Commo	on Material:	HARDPAN			
Mat2: Mat2 Dasa:					
Mat2 Desc. Mat3:					
Mat3 Desc:					
Formation To	op Depth: od Dopth:	0.0			
Formation E	nd Depth. nd Depth UOM:	ft			
<u>Overburden a</u> <u>Materials Inte</u>	and Bedrock erval				
		004000400			
Formation ID	:	931026429 4			
Color:		2			
General Colo	r:	GREY			
Most Commo	on Material:	LIMESTONE			
Mat2:					
Mat2 Desc:					
Mat3 Desc:					
Formation To	op Depth:	125.0			
Formation Er	nd Depth: nd Depth UOM [.]	150.0 ft			
		it.			
<u>Overburden a</u> <u>Materials Inte</u>	and Bedrock erval				
Formation ID	:	931026428			
Layer:		3			
Color:	<b></b>	6 BROWN			
Mat1:		19			
Most Commo	on Material:	SLATE			
Mat2: Mat2 Desc:					
Mat3:					
Mat3 Desc:	- Danil	10.0			
Formation 10 Formation El	op Deptn: nd Depth:	10.0			
Formation E	nd Depth UOM:	ft			
<u>Method of Co</u> <u>Use</u>	onstruction & Well				
Method Cons	truction ID:	961514504			
Method Cons Method Cons	struction Code:	4 Rotary (Air)			
Other Method	d Construction:				

### Pipe Information

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pipe ID: Casing No: Comment: Alt Name:		10585047 1			
<b>Construction</b>	Record - Casing				
Casing ID:		930064466			
Layer: Material:		2 4			
Open Hole or Depth From:	r Material:	OPEN HOLE			
Depth To: Casing Diam	otor:	305 6			
Casing Diam	eter UOM:	inch			
Casing Depti	h UOM:	ft			
<b>Construction</b>	Record - Casing				
Casing ID:		930064465			
Material:		1			
Open Hole of Depth From:	r Material:	STEEL			
Depth To:	- 1	21			
Casing Diam Casing Diam	eter: eter UOM:	ь inch			
Casing Deptl	h UOM:	ft			
<u>Results of W</u>	ell Yield Testing				
Pump Test IL	D:	991514504			
Static Level:		30.0			
Final Level A	fter Pumping: ed Pump Denth:	300.0 300.0			
Pumping Rat	ea r amp Depai. 'e:	4.0			
Flowing Rate Recommend	ed Pump Rate:	4.0			
Levels UOM:		ft			
Water State	After Test Code:	1 1			
Water State A	After Test: t Method:	CLEAR 1			
Pumping Du	ration HR:	1			
Pumping Dui Flowing:	ration MIN:	0 No			
Draw Down &	<u>k recovery</u>	00440000			
Pump Test D Test Type:	etail ID:	934100337 Recovery			
Test Duration	า:	15			
Test Level U	ОМ:	ft			
<u>Draw Down 8</u>	& Recovery				
Pump Test D	etail ID:	934643507			
Test Type:	<b>.</b> .	Recovery			
Test Duration	ı.	40 200.0			
60	erisinfo.com   En	vironmental Risk Info	rmation Service	S	Order No: 21073001373

Map Key	Number Records	of	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Test Level U	ОМ:		ft				
Draw Down &	Recovery						
Pump Test D Test Type: Test Duratior Test Level: Test Level U(	etail ID: n: OM:		934382519 Recovery 30 225.0 ft				
<u>Draw Down 8</u>	Recovery						
Pump Test D Test Type: Test Duratior Test Level: Test Level U(	etail ID: n: OM:		934900976 Recovery 60 175.0 ft				
Water Details	<u>i</u>						
Water ID: Layer: Kind Code: Kind: Water Found Water Found	Depth: Depth UOM	1:	933470383 1 1 FRESH 305.0 ft				
<u>19</u>	1 of 1		NNE/87.2	89.7/5.14	lot 24 con 1 ON		WWIS
Well ID: Construction Primary Wate Sec. Water U Final Well Sta Water Type: Casing Mater Audit No: Tag: Construction Elevation (m) Elevation Rel Depth to Bed Well Depth: Overburden/I Pump Rate: Static Water I Flowing (Y/N, Flow Rate: Clear/Cloudy	Date: er Use: se: atus: rial: Method: ): liability: lrock: Bedrock: Level: ):	1512412 Domestic 0 Water Su	: Ipply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 4/24/1973 True 1504 1 OTTAWA CUMBERLAND TOWNSHIP 024 01 OF	
PDF URL (Ma	ap):		https://d2khazk8e83	rdv.cloudfront.ne	et/moe_mapping/downloads	/2Water/Wells_pdfs/151\1512412.pdf	
<u>Additional De</u> Well Complet	<u>etail(s) (Map</u> ted Date:	2	1972/07/03				
Year Comple Depth (m): Latitude: Longitude: Path:	ted:		1972 64.6176 45.5033821273289 -75.4551745992699 151\1512412.pdf	,			

### Bore Hole Information

Bore Hole ID:	10034403	Elevation:	96.515174
DP2BR:	7.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	464440.80
Code OB Desc:	Bedrock	North83:	5038973.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	03-Jul-1972 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	p4
Elevrc Desc:			
Location Source Date:			

## Overburden and Bedrock

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

Materials Interval

Formation ID:	931020561
Layer:	1
Color:	2
General Color:	GREY
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	7.0
Formation End Depth UOM:	ft

# Overburden and Bedrock

Materials Interval

Formation ID:	931020564
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	60.0
Formation End Depth:	212.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

62

931020563
3
3
BLUE
26
ROCK

DB

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2 Desc: Mat3: Mat3 Desc: Formation To, Formation En Formation En	p Depth: d Depth: d Depth UOM:	20.0 60.0 ft			
<u>Overburden a</u> Materials Inte	<u>nd Bedrock</u> rval				
Formation ID: Layer: Color: General Color Mat1: Most Common Mat2: Mat2 Desc: Mat3:	r: n Material:	931020562 2 6 BROWN 19 SLATE			
Mat3 Desc: Formation To Formation En Formation En	p Depth: d Depth: d Depth UOM:	7.0 20.0 ft			
<u>Method of Co</u> <u>Use</u>	nstruction & Well				
Method Const Method Const Method Const Other Method	truction ID: truction Code: truction: Construction:	961512412 1 Cable Tool			
<u>Pipe Informat</u>	ion				
Pipe ID: Casing No: Comment: Alt Name:		10582973 1			
<b>Construction</b>	<u> Record - Casing</u>				
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame Casing Diame Casing Depth	Material: eter: eter UOM: UOM:	930060975 1 STEEL 23 6 inch ft			
Construction	Record - Casing				
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame Casing Diame	Material: eter: eter UOM:	930060976 2 4 OPEN HOLE 212 inch			
Casing Depth	UOM:	ft			

### Results of Well Yield Testing

Pump Test ID:	991512412
Pump Set At:	
Static Level:	100.0
Final Level After Pumping:	160.0
Recommended Pump Depth:	200.0
Pumping Rate:	6.0
Flowing Rate:	
Recommended Pump Rate:	6.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	No

### Draw Down & Recovery

Pump Test Detail ID:	934377449
Test Type:	Draw Down
Test Duration:	30
Test Level:	158.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934647774
Test Type:	Draw Down
Test Duration:	45
Test Level:	160.0
Test Level UOM:	ft

### Draw Down & Recovery

Pump Test Detail ID:	934895930
Test Type:	Draw Down
Test Duration:	60
Test Level:	160.0
Test Level UOM:	ft

### Draw Down & Recovery

934098055
Draw Down
15
120.0
ft

#### Water Details

Water ID:	933467868
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	212.0
Water Found Depth UOM:	ft

Мар Кеу	Number Records	r of s	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
<u>20</u>	1 of 1		E/99.6	94.7 / 10.16	lot D con 8 ON		WWIS
Well ID: Construction Primary Wat Sec. Water U Final Well St Water Type: Casing Mate Audit No: Tag: Construction Elevation Re Depth to Bea Well Depth: Overburden, Pump Rate: Static Water Flowing (Y/N Flow Rate:	n Date: er Use: Jse: tatus: rial: n Method: ): eliability: drock: /Bedrock: /Bedrock: Level: J):	1512331 Domestic 0 Water Sup	ply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 11/10/1972 True 1504 1 OTTAWA CUMBERLAND TOWNSHIP D 08 CON	
Clear/Cloudy	γ: ap):	I	https://d2khazk8e83	Brdv.cloudfront.ne	et/moe_mapping/downloads	/2Water/Wells_pdfs/151\1512331.pdf	

#### Additional Detail(s) (Map)

Well Completed Date:	1972/09/19
Year Completed:	1972
Depth (m):	37.4904
Latitude:	45.495382145487
Longitude:	-75.4501186646601
Path:	151\1512331.pdf

#### Bore Hole Information

Bore Hole ID:	10034323	Elevation:	96.221427
DP2BR:	7.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	464830.80
Code OB Desc:	Bedrock	North83:	5038082.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	19-Sep-1972 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	p4
Elevrc Desc:			
Location Source Date	:		

Overburden and Bedrock Materials Interval

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

Formation ID:	931020336
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2: Mat2 Desc: Mat3: Mat3 Desc:		13 BOULDERS			
Formation Top Formation End Formation End	o Depth: I Depth: I Depth UOM:	0.0 7.0 ft			
<u>Overburden ar</u> Materials Inter	nd Bedrock_ val				
Formation ID: Layer: Color: General Color: Mat1: Most Common Mat2:	Material:	931020337 2 2 GREY 15 LIMESTONE			
Mat2 Desc: Mat3: Mat3 Desc: Formation Top	Depth:	7.0			
Formation End Formation End	i Depth: I Depth UOM:	ft			
<u>Method of Con</u> <u>Use</u>	struction & Well				
Method Consti Method Consti Method Consti Other Method	ruction ID: ruction Code: ruction: Construction:	961512331 1 Cable Tool			
<u>Pipe Information</u>	<u>on</u>				
Pipe ID: Casing No: Comment: Alt Name:		10582893 1			
Construction F	Record - Casing				
Casing ID: Layer: Material: Open Hole or I Depth From: Depth To: Casing Diamet Casing Diamet Casing Depth	Material: ier: ier UOM: UOM:	930060846 1 1 STEEL 16 6 inch ft			
Construction F	Record - Casing				
Casing ID: Layer: Material: Open Hole or I Depth From: Depth To:	Material:	930060847 2 4 OPEN HOLE 123			
Casing Diamet Casing Diamet	ter: ter UOM:	inch			

	Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
-	Casing Depth	UOM:	ft			
	<u>Results of Wel</u>	I Yield Testing				
	Pump Test ID: Pump Set At:		991512331			
	Static Level:		30.0			
	Final Level Aft	er Pumping:	85.0			
	Recommended	d Pump Depth:	115.0			
	Pumping Rate Flowing Rate:	:	5.0			
	Recommended	d Pump Rate:	7.0			
	Levels UOM:		ft			
	Rate UOM:	tor Toot Codo	GPM			
	Water State Ar	ter Test Code:				
	Pumping Test	Method:	2			
	Pumping Dura	tion HR:	1			
	Pumping Dura	tion MIN:	0			
	Flowing:		No			
	Draw Down &	<u>Recovery</u>				
	Pump Test De	tail ID:	934376956			
	Test Type:		Draw Down			
	Test Duration:		30			
	Test Level:	n <i>n</i> -	58.0 #			
	Test Level OOI	v.	n			
	Draw Down &	<u>Recovery</u>				
	Pump Test De	tail ID:	934097984			
	Test Type:		Draw Down			
	Test Duration:		15			
	Test Level:	n <i>n</i> -	40.0 ft			
	Test Level OO	v	n			
	Draw Down &	<u>Recovery</u>				
	Pump Test De	tail ID:	934895857			
	Test Type:		Draw Down			
	Test Duration:		60 85 0			
	Test Level UO	м·	ft			
	Draw Down &	<u>Recovery</u>				
	Pump Test De	tail ID:	934647283			
	Test Type:		Draw Down			
	Test Duration:		45 85 0			
	Test Level: Test Level UO	M-	65.0 ft			
	1631 LEVEI UUI		n			
	<u>Water Details</u>					
	Water ID:		933467734			
	Layer:		1			
	Kind Code:					
	KING: Water Found F	Denth:	FRESH 123.0			
	Water Found L	Depth UOM:	ft			
		-				

Map Key	Numbe Record	r of s	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
<u>21</u>	1 of 2		N/100.6	84.8 / 0.30	lot 25 ON		WWIS
Well ID: Constructio Primary Wa Sec. Water Final Well S Water Type. Casing Mate Audit No: Tag: Constructio Elevation (n Elevation R Depth to Be Well Depth: Overburden Pump Rate: Static Wate	n Date: ter Use: tatus: erial: n Method: n): eliability: drock: MBedrock: r Level: N):	1520011 Domestic Water Sup	ply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone:	1 10/21/1985 True 2351 1 OTTAWA CUMBERLAND TOWNSHIP 025 OF	
Pump Rate: Static Water Flowing (Y/I Flow Rate: Clear/Cloud	r Level: N): ly:				Easting NAD83: Northing NAD83: Zone: UTM Reliability:		

PDF URL (Map):

 $https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1520011.pdf$ 

## Additional Detail(s) (Map)

Well Completed Date:	1985/09/25
Year Completed:	1985
Depth (m):	76.2
Latitude:	45.5033410029996
Longitude:	-75.4587046371005
Path:	152\1520011.pdf

### Bore Hole Information

Bore Hole ID:	10041861	Elevation:	84.536674				
DP2BR:	245.00	Elevrc:					
Spatial Status:		Zone:	18				
Code OB:	r	East83:	464165.00				
Code OB Desc:	Bedrock	North83:	5038970.00				
Open Hole:		Org CS:	UTM83				
Cluster Kind:		UTMRC:	7				
Date Completed:	25-Sep-1985 00:00:00	UTMRC Desc:	margin of error : 1 km - 3 km				
Remarks:		Location Method:	lot				
Elevrc Desc:							
Location Source Date	9:						
Improvement Locatio	on Source:						
Improvement Locatio	mprovement Location Method:						

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

Source Revision Comment: Supplier Comment:

Formation ID [.]	931043458
Laver:	3
Color:	8
General Color:	BLACK
Mat1:	17

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Most Commo. Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation To Formation En	n Material: p Depth: d Depth: d Depth UOM:	SHALE 245.0 250.0 ft				
<u>Overburden a</u> <u>Materials Inte</u>	<u>nd Bedrock</u> rval					
Formation ID: Layer: Color: General Color Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation To	r: n Material: p Depth:	931043456 1 6 BROWN 14 HARDPAN				
Formation En Formation En	d Depth: d Depth: d Depth UOM:	6.0 ft				
<u>Overburden a</u> <u>Materials Inte</u>	<u>nd Bedrock</u> rval					
Formation ID: Layer: Color: General Color Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation To Formation En	r: n Material: p Depth: d Depth: d Depth UOM:	931043457 2 3 BLUE 28 SAND 6.0 245.0 ft				
<u>Method of Co</u> <u>Use</u>	nstruction & Well					
Method Cons Method Cons Method Cons Other Method	truction ID: truction Code: truction: Construction:	961520011 1 Cable Tool				
<u>Pipe Informat</u>	ion					
Pipe ID: Casing No: Comment: Alt Name:		10590431 1				
<b>Construction</b>	Record - Casing					
Casing ID: Layer:		930073085 1				

	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
-	Material: Open Hole or	Material:	1 STEEL			
	Depth From: Depth To:		44			
	Casing Diame	ter:	6			
	Casing Diame	ter UOM:	inch			
	Casing Depth	UOM:	π			
	Results of We	II Yield Testing				
	Pump Test ID	:	991520011			
	Pump Set At:		75.0			
	Static Level:	tor Pumping	75.0 175.0			
	Recommende	d Pump Depth:	225.0			
	Pumping Rate	); ;	17.0			
	Recommende	d Pump Rate:	10.0			
	Levels UOM:		ft			
	Rate UOM:	((	GPM			
	Water State A	fter Test Code:				
	Pumping Test	Method:	2			
	Pumping Dura	ation HR:	1			
	Pumping Dura	ation MIN:	0			
	Flowing:		NO			
	<u>Draw Down &amp;</u>	Recovery				
	Pump Test De	etail ID:	934654448			
	Test Type:	_	Draw Down			
	Test Duration	:	45 175.0			
	Test Level UC	DM:	ft			
	<u>Draw Down &amp;</u>	<u>Recovery</u>				
	Pump Test De	etail ID:	934904396			
	Test Type:	_	Draw Down			
	Test Level:		175.0			
	Test Level UC	DM:	ft			
	<u>Draw Down &amp;</u>	<u>Recovery</u>				
	Pump Test De	etail ID:	934110293			
	Test Type:		Draw Down			
	Test Duration		15			
	Test Level UC	DM:	ft			
	<u>Draw Down &amp;</u>	<u>Recovery</u>				
	Pump Test De	etail ID:	934376258			
	Test Type:		Draw Down			
	Test Duration	:	30			
	Test Level:	N <i>A</i> -	155.0 ft			
	rest Level UC	·///.	п			
	<u>Water Details</u>					

Map Key Numbo Recore	er of Direction ds Distance	n/ Elev/Diff e (m) (m)	Site		DB
Water ID: Layer: Kind Code: Kind: Water Found Depth: Water Found Depth UC	933477134 1 1 FRESH 248.0 <b>DM:</b> ft				
21 2 of 2	N/100.6	84.8 / 0.30	lot 25 ON		wwis
Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:	1523892 Domestic Water Supply 17810		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 10/20/1989 True 1504 1 OTTAWA CUMBERLAND TOWNSHIP 025 OF	
PDF URL (Map):	https://d2kha	zk8e83rdv.cloudfront.r	net/moe_mapping/downloads	s/2Water/Wells_pdfs/152\1523892.pdf	
Additional Detail(s) (M	<u>ap)</u>				
Well Completed Date: Year Completed: Depth (m): Latitude: Longitude: Path:	1989/07/20 1989 75.2856 45.50334100 -75.4587046 152\1523892	29996 371005 .pdf			
Bore Hole Information					
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: Remarks: Elevrc Desc: Location Source Date: Improvement Location Improvement Location Source Revision Comm Supplier Comment:	10045664 34.00 r Bedrock 20-Jul-1989 00:00:00 Source: Method: ment:		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	84.536674 18 464165.00 5038970.00 UTM83 7 margin of error : 1 km - 3 km lot	

Overburden and Bedrock Materials Interval

Map Key Nu Re	mber of cords	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID: Layer: Color: General Color: Mat1: Most Common Mat Mat2: Mat2 Desc: Mat3 Desc:	terial:	931056108 1 6 BROWN 14 HARDPAN			
Formation Top Dej Formation End Dej Formation End Dej	oth: pth: pth UOM:	0.0 34.0 ft			
<u>Overburden and B</u> <u>Materials Interval</u>	edrock				
Formation ID: Layer: Color: General Color: Mat1: Most Common Mat Mat2: Mat2 Desc: Mat3: Mat3 Desc:	terial:	931056109 2 2 GREY 15 LIMESTONE 19 SLATE			
Formation Top De _l Formation End De _l Formation End De _l	pth: pth: pth UOM:	34.0 247.0 ft			
<u>Method of Constru</u> <u>Use</u>	iction & Well				
Method Constructi Method Constructi Method Constructi Other Method Con	ion ID: ion Code: ion: struction:	961523892 2 Rotary (Convent.)			
Pipe Information		40504004			
Pipe ID: Casing No: Comment: Alt Name:		1			
Construction Reco	ord - Casing				
Casing ID: Layer: Material: Open Hole or Mate Depth From: Depth To: Casing Diameter: Casing Diameter U Casing Depth UOM	erial: IOM: 1:	930079930 1 STEEL 43 6 inch ft			
Construction Reco	ord - Casing				

Casing ID:

930079931
Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		2			
Material:	Matarial				
Denth From:	waterial:	OPEN HOLE			
Depth To:		247			
Casing Diam	eter:	6			
Casing Diam	eter UOM:	inch			
Casing Depth	UOM:	ft			
<u>Results of We</u>	ell Yield Testing				
Pump Test ID Pump Set At	):	991523892			
Static Level:		100.0			
Final Level A	fter Pumping:	235.0			
Recommende	ed Pump Depth:	235.0			
Pumping Rat	e:	6.0			
Recommende	ed Pumn Rate:	6.0			
Levels UOM:	a rump nate.	ft			
Rate UOM:		GPM			
Water State A	fter Test Code:	1			
Water State A	After Test:				
Pumping Tes	t Metriou: ation HR:	1			
Pumping Dur	ation MIN:	0			
Flowing:		No			
<u>Draw Down 8</u>	Recovery				
Pump Test D	etail ID:	934390883			
Test Type:		Recovery			
Test Duration	n:	30			
Test Level:	-M-	100.0 ft			
lest Level OC	<i>JWI.</i>	n			
<u>Draw Down 8</u>	Recovery				
Pump Test D	etail ID:	934909061			
Test Type:		Recovery			
Test Duration	1:	60 100 0			
Test Level U	OM:	ft			
<u>Draw Down 8</u>	Recovery				
Pump Tost D	etail ID:	934651857			
Test Type:		Recoverv			
Test Duration	n:	45			
Test Level:		100.0			
Test Level UC	DM:	ft			
<u>Draw Down 8</u>	Recovery				
Pump Test D	etail ID:	934106654			
Test Type:		Recovery			
Test Duration	n:	15			
Test Level:	-M-	145.0 ft			
iesi Levei UC	JIVI.	n			
Water Details	1				
73	erisinfo.com   En	vironmental Risk Info	rmation Service	95	Order No: 21073001373

r of Direction/ s Distance (m)	Elev/Diff (m)	Site		DB
933482330 1 1 FRESH 247.0 <b>//:</b> ft				
NNE/110.2	88.8 / 4.30	lot 25 con 1 ON		WWIS
1519190 Domestic 0 Water Supply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 9/14/1984 True 1504 1 OTTAWA CUMBERLAND TOWNSHIP 025 01 OF	
https://d2khazk8e83	Brdv.cloudfront.ne	et/moe_mapping/downloads	/2Water/Wells_pdfs/151\1519190.pdf	
<b>b)</b> 1984/07/19 1984 65.532 45.5038174982488 -75.456598971796 151\1519190.pdf				
10041060 15.00 r Bedrock 19-Jul-1984 00:00:00 Source: Method: ent:		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC: UTMRC Desc: Location Method:	87.883239 18 464329.80 5039022.00 4 margin of error : 30 m - 100 m p4	
	of       Direction/ Distance (m)         933482330 1 1 FRESH 247.0         1         FRESH 247.0         1519190         Domestic 0         Water Supply         https://d2khazk8e83         p)         1984/07/19 1984         65.532 45.5038174982488 -75.456598971796 151\1519190.pdf         10041060 15.00         r         Bedrock         19-Jul-1984 00:00:00	of s         Direction/ Distance (m)         Elev/Diff (m)           933482330 1 1 FRESH 247.0 tt         1           NNE/110.2         88.8 / 4.30           1519190         Bomestic 0 Water Supply         Image: Comparison of the state of	of s     Direction/ Distance (m)     Elev/Diff (m)     Site       933482330 1 FRESH 247.0 M:     933482330 1 FRESH 247.0 M:     9 NNE/110.2     88.8 / 4.30     lot 25 con 1 ON       1519190 Domestic 0 Water Supply     Data Entry Status: Data Src: Data Src: Data Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owmer: Street Name: County: Municipality: Site Info: Lot: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:       bttps://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads       pj       1984/07/19 1984 65.532 45.5038174982488 -75.456598971796 151/1519190.pdf       10041060 15.00       1005       100610       107    <	of s     Direction/ Distance (m)     Elev/Diff (m)     Site       933482330 1 1 FRESH 247.0 dr     933482330 1 1 FRESH 247.0 dr     1 FRESH 247.0 dr     0 Data Entry Status: Data Src: 1 Data Src: 2 Contractor: 1504 Counces Sion Name: 0F Easting NAD83: Zone: UTM Reliability:       1094107/19 1934 75.52 5.52 5.52 5.52 5.52 5.52 5.52 5.5

# Overburden and Bedrock

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Materials Inte	rval				
Formation ID: Layer: Color: General Color Mat1: Most Commo Mat2: Mat2 Desc: Mat3:	r: n Material:	931040887 1 6 BROWN 14 HARDPAN			
Formation To Formation En Formation En	p Depth: d Depth: d Depth UOM:	0.0 15.0 ft			
<u>Overburden a</u> <u>Materials Inte</u>	nd Bedrock rval				
Formation ID: Layer: Color: General Color Mat1: Most Commo Mat2: Mat2 Desc: Mat3-	r: n Material:	931040888 2 GREY 15 LIMESTONE			
Mat3 Desc: Formation To Formation En Formation En	p Depth: d Depth: d Depth UOM:	15.0 215.0 ft			
<u>Method of Co</u> <u>Use</u>	nstruction & Well				
Method Cons Method Cons Method Cons Other Method	truction ID: truction Code: truction: I Construction:	961519190 4 Rotary (Air)			
<u>Pipe Informat</u>	ion				
Pipe ID: Casing No: Comment: Alt Name:		10589630 1			
<b>Construction</b>	<u> Record - Casing</u>				
Casing ID: Layer: Material: Open Hole or Depth From: Donth To:	Material:	930071696 2 4 OPEN HOLE 215			
Casing Diame Casing Diame Casing Diame Casing Depth	eter: eter UOM: UOM:	6 inch ft			

# Construction Record - Casing

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing ID:		930071695			
Layer:		1			
Material: Open Hole of	r Material·				
Depth From:	material.				
Depth To:		44			
Casing Diam	eter: eter IIOM:	6 inch			
Casing Dept	h UOM:	ft			
	all Vield Teeting				
<u>Results of W</u>	en neia resung				
Pump Test IL	D:	991519190			
Pump Set At	:	55.0			
Final Level A	fter Pumping:	200.0			
Recommend	ed Pump Depth:				
Pumping Rat	te:	10.0			
Recommend	 ed Pump Rate:				
Levels UOM:		ft			
Rate UOM: Water State	After Test Code:	GPM 1			
Water State	After Test:	CLEAR			
Pumping Tes	st Method:	1			
Pumping Du	ration HR: ration MIN [.]	1			
Flowing:		No			
Draw Down A	Recovery				
<u>Dian Domi (</u>	<u>x nooorony</u>				
Pump Test D	etail ID:	934382168 Booovon/			
Test Type: Test Duration	n:	30			
Test Level:		55.0			
Test Level U	ОМ:	ft			
Draw Down &	& Recovery				
Pump Test D	etail ID:	934652701			
Test Type:	_	Recovery			
Test Duration	7:	45 55.0			
Test Level U	ОМ:	ft			
Draw Down &	& Recovery				
Dumm 7 ( D		004407400			
Pump Test D	etali ID:	934107430 Recoverv			
Test Duration	n:	15			
Test Level:	~~~	70.0			
Test Level U	Ом:	π			
Draw Down &	& Recovery				
Pump Test D	etail ID:	934901252			
Test Type:		Recovery			
Test Duration	n:	60 55 0			
Test Level U	ОМ:	ft			
76	erisinto.com   En	vironmental Risk Info	rmation Service	S	Order No: 210/3001373

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Water Details						
Water ID: Layer: Kind Code: Kind: Water Found D Water Found D	Pepth: Pepth UOM:	933476110 1 FRESH 210.0 ft				
<u>23</u> 1	1 of 1	NNE/114.0	88.5 / 3.95	lot 25 con 1 ON		WWIS
Well ID: Construction D Primary Water Sec. Water Use Final Well Statu Water Type: Casing Materia Audit No: Tag: Construction N Elevation (m): Elevation Relia Depth to Bedro Well Depth: Overburden/Be Pump Rate: Static Water Le Flowing (Y/N): Flow Rate: Clear/Cloudy:	1513951 Date: Use: Domestic ous: Water Su Method: hbility: bock: edrock: evel:	; Ipply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 3/18/1974 True 1504 1 OTTAWA CUMBERLAND TOWNSHIP 025 01 OF	
PDF URL (Map)	):	https://d2khazk8e83	rdv.cloudfront.ne	t/moe_mapping/downloads	/2Water/Wells_pdfs/151\1513951.pdf	
Additional Deta	ail(s) (Map)					
Well Completed Year Completed Depth (m): Latitude: Longitude: Path:	d Date: d:	1973/07/10 1973 67.056 45.5039188596177 -75.4560109636213 151\1513951.pdf				
Bore Hole Infor	rmation					
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Complete Remarks: Elevrc Desc: Location Source Improvement L Source Revisio Supplier Comm	1003593: 4.00 r Bedrock d: 10-Jul-19 ce Date: .ocation Source: .ocation Method: on Comment: nent:	3 973 00:00:00		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	88.648254 18 464375.80 5039033.00 6 margin of error : 300 m - 1 km p6	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DE
Overburden a Materials Inte	nd Bedrock rval				
Formation ID. Layer: Color: General Colo Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation To Formation En	r: n Material: p Depth: nd Depth:	931024883 1 6 BROWN 14 HARDPAN 0.0 4.0			
Formation En	nd Depth UOM:	ft			
Formation ID. Layer: Color: General Colo. Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation To Formation En	r: n Material: p Depth: nd Depth: nd Depth:	931024885 3 6 BROWN 19 SLATE 12.0 90.0 ft			
<u>Overburden a</u> Materials Inte	nd Bedrock rval				
Formation ID. Layer: Color: General Colo. Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation To Formation En Formation En	r: n Material: p Depth: id Depth: id Depth UOM:	931024884 2 6 BROWN 17 SHALE 4.0 12.0 ft			
<u>Overburden a</u> <u>Materials Inte</u>	nd Bedrock rval				
Formation ID. Layer: Color: General Colo Mat1: Most Commo Mat2: Mat2 Desc: Mat3:	r: n Material:	931024887 5 6 BROWN 19 SLATE			

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>Mat3 Desc: Formation To Formation En Formation En</i>	p Depth: d Depth: d Depth UOM:	150.0 220.0 ft			
<u>Overburden a</u> <u>Materials Inte</u>	nd Bedrock rval				
Formation ID. Layer: Color: General Colo. Mat1: Most Commo Mat2: Mat2 Desc: Mat3: Mat3 Desc:	r: n Material:	931024886 4 2 GREY 15 LIMESTONE			
Formation To Formation En Formation En	p Depth: d Depth: d Depth UOM:	90.0 150.0 ft			
<u>Method of Co</u> <u>Use</u>	nstruction & Well				
Method Cons Method Cons Method Cons Other Method	truction ID: truction Code: truction: I Construction:	961513951 4 Rotary (Air)			
Pipe Informat	ion				
Pipe ID: Casing No: Comment: Alt Name:		10584503 1			
<u>Construction</u>	<u> Record - Casing</u>				
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame Casing Diame Casing Depth	Material: eter: eter UOM: UOM:	930063493 1 STEEL 21 6 inch ft			
<u>Results of We</u>	ell Yield Testing				
Pump Test ID Pump Set At: Static Level: Final Level At Recommende Pumping Rate Flowing Rate Recommende	: tter Pumping: ed Pump Depth: e: ed Pump Rate:	991513951 100.0 150.0 160.0 10.0 10.0			
Levels UOM: Rate UOM: Water State A	fter Test Code:	ft GPM 1			

Map Key	Number Records	of Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Water State A Pumping Tes Pumping Dur Pumping Dur Flowing:	After Test: at Method: ration HR: ration MIN:	CLEAR 1 0 No				
Draw Down &	<u>Recovery</u>					
Pump Test D Test Type: Test Duratior Test Level: Test Level U	etail ID: n: OM:	934099723 Recovery 15 140.0 ft				
<u>Draw Down 8</u>	<u>Recovery</u>					
Pump Test D Test Type: Test Duratior Test Level: Test Level U	etail ID: n: OM:	934380797 Recovery 30 130.0 ft				
<u>Draw Down &amp;</u>	Recovery					
Pump Test D Test Type: Test Duratior Test Level: Test Level U	etail ID: n: OM:	934641790 Recovery 45 120.0 ft				
<u>Draw Down &amp;</u>	<u>Recovery</u>					
Pump Test D Test Type: Test Duratior Test Level: Test Level Ut	etail ID: n: OM:	934899260 Recovery 60 110.0 ft				
Water Details	2					
Water ID: Layer: Kind Code: Kind: Water Found Water Found	Depth: Depth UOM	933469705 1 FRESH 220.0 tt				
<u>24</u>	1 of 2	WNW/124.9	73.5/-11.03	lot 27 ON		WWIS
Well ID: Construction Primary Wate Sec. Water U Final Well Sta Water Type: Casing Mater Audit No: Tag: Construction Elevation (m)	) Date: er Use: se: atus: rial: Method: ):	1526501 Commerical Water Supply 110670		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality:	1 9/9/1992 True 1504 1 OTTAWA CUMBERLAND TOWNSHIP	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Elevation Rel Depth to Bed Well Depth: Overburden/E Pump Rate: Static Water I Flowing (Y/N) Flow Rate: Clear/Cloudy.	iability: rock: Bedrock: Level: :			Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	027 OF	
PDF URL (Ma	<i>р):</i>	https://d2khazk8e83	Brdv.cloudfront.n	et/moe_mapping/downloads	/2Water/Wells_pdfs/152\1526501.pdf	
Additional De	etail(s) (Map)					
Well Complet Year Complet Depth (m): Latitude: Longitude: Path:	ted Date: ted:	1992/09/01 1992 62.1792 45.4980516910716 -75.4667636260308 152\1526501.pdf	3			
Bore Hole Inf	ormation					
Bore Hole ID: DP2BR: Spatial Status Code OB: Code OB Des Open Hole: Cluster Kind: Date Complet Remarks: Elevrc Desc: Location Sou Improvement Improvement Source Revis Supplier Com	100482 12.00 s: r sc: Bedroo ted: 01-Sep rce Date: Location Source: Location Method: ion Comment: ment:	203 sk p-1992 00:00:00		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	72.888916 18 463532.00 5038386.00 UTM83 7 margin of error : 1 km - 3 km lot	
<u>Overburden a</u> Materials Inte	and Bedrock erval					
Formation ID. Layer: Color: General Colo Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation To	: r: n Material: op Depth:	931064344 1 2 GREY 05 CLAY 0.0				
Formation En Formation En <u>Overburden a</u>	and Bedrock	12.0 ft				
<u>materials Inte</u> Formation ID Layer: Color:	ervai :	931064345 2 2				
	erisinfo.com   En	vironmental Risk Info	rmation Servic	200	Order No: 210730	01373

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
General Colo Mat1: Most Commo Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation To Formation Er	r: on Material: op Depth: nd Depth: nd Depth UOM:	GREY 15 LIMESTONE 19 SLATE 12.0 204.0 ft			
<u>Annular Spac</u> Sealing Reco	ce/Abandonment rd				
Plug ID: Layer: Plug From: Plug To: Plug Depth U	IOM:	933111747 1 0 38 ft			
<u>Method of Co</u> <u>Use</u>	onstruction & Well				
Method Cons Method Cons Method Cons Other Method	truction ID: truction Code: truction: d Construction:	961526501 4 Rotary (Air)			
<u>Pipe Informat</u>	<u>tion</u>				
Pipe ID: Casing No: Comment: Alt Name:		10596773 1			
<u>Construction</u>	Record - Casing				
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diamo Casing Diamo Casing Depth	Material: eter: eter UOM: n UOM:	930084409 1 STEEL 38 6 inch ft			
<u>Construction</u>	Record - Casing				
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame Casing Diame Casing Depth	Material: eter: eter UOM: o UOM:	930084410 2 4 OPEN HOLE 204 6 inch ft			

# Results of Well Yield Testing

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test ID	:	991526501			
Pump Set At:					
Static Level:	itor Dumminau	79.0			
Final Level Al	ter Pumping: d Pump Denth:	203.0			
Pumping Rate	ar ump bepan.	25.0			
Flowing Rate		2010			
Recommende	d Pump Rate:	25.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State A	fter Test Code:				
Water State A	tter Test: Mothod:				
Pumping Dur	ation HR	1			
Pumping Dur	ation MIN:	0			
Flowing:		No			
D	<b>D</b>				
	Recovery	024000227			
Test Type	nail ID:	904909221			
Test Duration	:	60			
Test Level:		79.0			
Test Level UC	ОМ:	ft			
Draw Down &	Recovery				
	-				
Pump Test De	etail ID:	934107879			
Test Type:	_	15			
Test Duration	-	15 79.0			
Test Level UC	DM:	ft			
<u>Draw Down &amp;</u>	Recovery				
Pump Test De	etail ID:	934652030			
Test Type:					
Test Duration	:	45			
Test Level:	NA.	79.0 #			
Test Level UC	////:	п			
<u>Draw Down &amp;</u>	<u>Recovery</u>				
Pump Test De Test Type:	etail ID:	934391512			
Test Duration	:	30			
Test Level:		79.0			
Test Level UC	DM:	ft			
Water Details					
Water ID:		933485842			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found	Depth:	176.0			
Water Found	Depth UOM:	ft			
<u>Water Details</u>					

Water ID:

Map Key	Numbe Record	r of Is	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Layer: Kind Code: Kind: Water Four Water Four	nd Depth: nd Depth UO	<b>M</b> :	2 1 FRESH 194.0 ft				
<u>24</u>	2 of 2		WNW/124.9	73.5/-11.03	lot 27 ON		WWIS
Well ID: Constructio Primary Wa Sec. Water Final Well S Water Type Casing Mat Audit No: Tag: Constructio Elevation (I Elevation (I Elevation (I Elevation to Be Well Depth: Overburder Pump Rate Static Wate Flowing (Y/ Flow Rate: Clear/Cloud	on Date: ater Use: Use: Status: erial: on Method: m): celiability: edrock: : n/Bedrock: : r Level: (N): dy:	1528921 Commeric Water Sup 158973	al ıply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 5/22/1996 True 1504 1 OTTAWA CUMBERLAND TOWNSHIP 027 OF	
PDF URL (I	Мар):	I	https://d2khazk8e8	3rdv.cloudfront.ne	et/moe_mapping/downloads	s/2Water/Wells_pdfs/152\1528921.pdf	
Additional	Detail(s) (Ma	<u>(q</u> )					
Well Compl Year Comp Depth (m): Latitude: Longitude: Path:	leted Date: leted:		1995/09/07 1995 62.1792 45.4980516910716 -75.466763626030 152\1528921.pdf	8			

# Bore Hole Information

Bore Hole ID: DP2BR:	10050457 12.00	Elevation: Elevrc:	72.888916
Spatial Status:		Zone:	18
Code OB:	У	East83:	463532.00
Code OB Desc:	Unknown type (bedrock encountered)	North83:	5038386.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	7
Date Completed:	07-Sep-1995 00:00:00	UTMRC Desc:	margin of error : 1 km - 3 km
Remarks:		Location Method:	lot
Elevrc Desc:			
Location Source Date:			
Improvement Location S	Source:		
Improvement Location N	lethod:		
Source Revision Comme	ent:		
Supplier Comment:			

Overburden and Bedrock Materials Interval

Map Key Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc:	931071204 2 GREY 15 LIMESTONE			
Formation Top Depth: Formation End Depth: Formation End Depth UOM:	12.0 180.0 ft			
<u>Overburden and Bedrock</u> <u>Materials Interval</u>				
Formation ID: Layer: Color: General Color:	931071205 3			
Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc:	00 UNKNOWN TYPE			
Formation Top Depth: Formation End Depth: Formation End Depth UOM:	180.0 204.0 ft			
Overburden and Bedrock Materials Interval				
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth:	931071203 1 2 GREY 05 CLAY 0.0			
Formation End Depth: Formation End Depth UOM:	12.0 ft			
Annular Space/Abandonment Sealing Record				
Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:	933113913 1 0 38 ft			
<u>Annular Space/Abandonment</u> <u>Sealing Record</u>				
Plug ID: Layer:	933113914 2			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plua From:		180			
Plug To:		204			
Plug Depth U	OM:	ft			
0 /					
<u>Method of Col Use</u>	nstruction & Well				
Method Const	truction ID:	961528921			
Method Const	truction Code	4			
Method Const	truction:	Rotarv (Air)			
Other Method	Construction:	, , ,			
<u>Pipe Informati</u>	ion				
Pipe ID:		10599027			
Casing No:		1			
Comment:					
Alt Name:					
Construction	Record - Casing				
	uong				
Casing ID:		930088168			
Layer:		1			
Material:		1			
Open Hole or	Material:	STEEL			
Depth From:		20			
Depth To: Casing Diamo	tor:	38			
Casing Diame	ter. IOM·	inch			
Casing Diame		ft			
ousing Depin					
Construction	<u> Record - Casing</u>				
Casing ID [.]		930088169			
Laver:		2			
Material:		4			
Open Hole or	Material:	OPEN HOLE			
Depth From:					
Depth To:		204			
Casing Diame	ter:	6			
Casing Diame	eter UOM:	inch			
Casing Depth	001/12	π			
<u>Results of We</u>	II Yield Testing				
Pump Test ID		991528921			
Pump Set At:	•	001020021			
Static Level:		79.0			
Final Level Af	ter Pumping:	180.0			
Recommende	d Pump Depth:	175.0			
Pumping Rate	);	12.0			
Flowing Rate:					
Recommende	d Pump Rate:	12.0			
Levels UOM:		ft			
Rate UOM:	Hen Teet Or de	GPM			
water State A	ner rest Code:				
Pumping Tool	Mothod:				
Pumping Test	tion HR:	1			
Pumping Dura	ation MIN [.]	0			
Flowina:		Ňo			

Мар Кеу	Numbe Record	r of s	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Draw Down a	& Recovery						
Pump Test D Test Type: Test Duratio Test Level: Test Level U	Detail ID: n: OM:		934105779 Recovery 15 79.0 ft				
Draw Down a	& Recovery						
Pump Test D Test Type: Test Duration Test Level: Test Level U	Detail ID: n: OM:		934389405 Recovery 30 79.0 ft				
Draw Down a	& Recovery						
Pump Test D Test Type: Test Duratio Test Level: Test Level U	Detail ID: n: OM:		934658580 Recovery 45 79.0 ft				
<u>Draw Down a</u>	& Recovery						
Pump Test D Test Type: Test Duration Test Level: Test Level U	Detail ID: n: OM:		934907105 Recovery 60 79.0 ft				
Water Details	<u>s</u>						
Water ID: Layer: Kind Code: Kind: Water Found Water Found	l Depth: I Depth UO	М:	933488801 1 1 FRESH 176.0 ft				
25	1 of 1		WSW/126.0	86.0 / 1.45	1154-1208 Old Montre Ottawa ON	eal Rd	EHS
Order No: Status: Report Type. Report Date: Date Receive Previous Sitt Lot/Building Additional In	: ed: e Name: Size: ifo Ordered	2016071 C Custom F 18-JUL-1 11-JUL-1	1137 Report 6 6		Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	ON .25 -75.46618 45.494271	
<u>26</u>	1 of 1		W/128.2	84.6 / 0.06	lot 27 con 1 ON		WWIS
Well ID: Constructior Primary Wate	n Date: er Use:	1512408 Domestic	;		Data Entry Status: Data Src: Date Received:	1 4/24/1973	

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Sec. Water Us. Final Well Stat Water Type: Casing Materia Audit No: Tag: Construction I Elevation (m): Elevation Relia Depth to Bedra Well Depth: Overburden/Ba Pump Rate: Static Water Lo Flowing (Y/N): Flow Rate: Clear/Cloudy:	e: 0 us: Wate al: Method: ability: ock: edrock: evel:	r Supply		Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	True 1504 1 OTTAWA CUMBERLAND TOWNSHIP 027 01 OF	
PDF URL (Map	):	https://d2khazk8e83	rdv.cloudfront.ne	et/moe_mapping/downloads	/2Water/Wells_pdfs/151\1512408.pdf	
<u>Additional Det</u> Well Complete Year Complete Depth (m): Latitude: Longitude: Path:	<u>ail(s) (Map)</u> ed Date: ed:	1972/07/18 1972 25.908 45.4948658530828 -75.4666246787785 151\1512408.pdf				
<u>Bore Hole Info</u>	<u>rmation</u>					
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc Open Hole: Cluster Kind: Date Complete Remarks: Elevrc Desc: Location Sour Improvement I Source Revisio Supplier Comr	1003 70.00 r :: Bedro ed: 18-Ju ce Date: Location Source Location Method on Comment: ment:	4399 ock II-1972 00:00:00		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	80.668151 18 463540.80 5038032.00 4 margin of error : 30 m - 100 m p4	
<u>Overburden ar</u> <u>Materials Inter</u>	<u>nd Bedrock</u> <u>val</u>					
Formation ID: Layer: Color: General Color: Mat1: Most Common Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation Enc Formation Enc	) Material: ) Depth: 1 Depth: 1 Depth UOM:	931020545 2 3 BLUE 05 CLAY 20.0 60.0 ft				

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DI
<u>Overburden a</u> <u>Materials Inte</u>	nd Bedrock rval				
Formation ID [.]		931020546			
Layer:		3			
Color:		8			
General Colo	r:	BLACK			
Mat1:	··· Matavial				
Most Commo Mat2:	n wateriai:	GRAVEL			
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation To	p Depth:	60.0			
Formation En	d Depth:	70.0 #			
i ormation En	a Depth COM.	π			
<u>Overburden a</u> <u>Materials Inte</u>	nd Bedrock rval				
Formation ID		031020544			
Laver:		1			
Color:		7			
General Colo	r:	RED			
Mat1:		05			
Most Commo Mat2:	n Materiai:	CLAY			
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation To	p Depth:	0.0			
Formation En	d Depth:	20.0 ft			
Formation En	a Depth COM.	π			
<u>Overburden a</u> <u>Materials Inte</u>	nd Bedrock rval				
Formation ID		931020547			
Layer:		4			
Color:		2			
General Color	r:	GREY			
Mat1: Most Commo	n Mətorial:				
Mat2:	n waterial.	LIMESTONE			
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation To	p Depth:	70.0			
Formation En	d Depth: d Depth UOM:	65.0 ft			
En					
<u>Method of Co</u> <u>Use</u>	nstruction & Well				
Method Cons	truction ID.	961512408			
Method Cons	truction Code:	1			
Method Cons	truction:	Cable Tool			
Other Method	Construction:				

# Pipe Information

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pipe ID: Casing No: Comment:		10582969 1			
Alt Name:					
Construction	Record - Casing				
Casing ID:		930060968			
Layer: Matorial:		1			
Open Hole of	· Material·	STEEL			
Depth From:	material.	01222			
Depth To:		70			
Casing Diam	eter:	6			
Casing Diam	eter UOM:	inch			
Casing Depti	н UOM:	ft			
<u>Construction</u>	Record - Casing				
Casing ID:		930060969			
Layer:		2			
Material:		4			
Open Hole of	^r Material:	OPEN HOLE			
Depth From:		05			
Depth 10: Casing Diam	otor:	60			
Casing Diam	eter UOM:	inch			
Casing Dept	n UOM:	ft			
<u>Results of W</u>	ell Yield Testing				
Pump Test IL	):	991512408			
Pump Set At.		50.0			
Final Level A	fter Pumpina [.]	65.0			
Recommend	ed Pump Depth:	80.0			
Pumping Rat	e:	7.0			
Flowing Rate	:				
Recommend	ed Pump Rate:	4.0			
Levels UOM:		tt ODM			
Water State	After Test Code:	2 2			
Water State	After Test:	CLOUDY			
Pumping Tes	t Method:	2			
Pumping Du	ration HR:	2			
Pumping Du	ration MIN:	0			
Flowing:		No			
Draw Down &	<u>Recovery</u>				
Pump Test D	etail ID:	934895926			
Test Type:		Draw Down			
Test Duration	1:	60			
Test Level:		65.0			
Test Level U	OM:	ft			
Draw Down &	Recovery				
Pump Test D	etail ID:	934098051			
Test Type:		Draw Down			
Test Duration	1:	15			
Test Level:		60.0			
90	erisinfo.com   Env	vironmental Risk Info	rmation Service	28	Order No: 21073001373

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Test Level U	ОМ:	ft				
<u>Draw Down 8</u>	Recovery					
Pump Test D Test Type: Test Duratior Test Level: Test Level U(	etail ID: n: DM:	934377445 Draw Down 30 65.0 ft				
<u>Draw Down 8</u>	& Recovery					
Pump Test D Test Type: Test Duratior Test Level: Test Level U0	etail ID: n: OM:	934647770 Draw Down 45 65.0 ft				
Water Details	<u>1</u>					
Water ID: Layer: Kind Code: Kind: Water Found Water Found	Depth: Depth UOM:	933467864 1 FRESH 85.0 ft				
<u>27</u>	1 of 1	NNE/129.4	88.0/3.47	lot 24 con 1 ON		wwis
Well ID: Construction Primary Wate Sec. Water U Final Well Sta Water Type: Casing Mater Audit No: Tag: Construction Elevation (m) Elevation Rel Depth to Bed Well Depth: Overburden/I Pump Rate: Static Water Flowing (Y/N, Flow Rate: Clear/Cloudy	15131 Date: pr Use: Dome se: 0 atus: Water rial: Method: b: liability: lrock: Bedrock: Level: b: c: c:	i09 estic · Supply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 4/3/1952 True 3725 1 OTTAWA CUMBERLAND TOWNSHIP 024 01 OF	
PDF URL (Ma	np):	https://d2khazk8e83	rdv.cloudfront.n	et/moe_mapping/downloads	/2Water/Wells_pdfs/151\1513109.pdf	
Additional De	etail(s) (Map)					
Well Complet Year Comple Depth (m): Latitude: Longitude: Path:	ted Date: ted:	1952/02/12 1952 28.0416 45.5040531056182 -75.4562040569203 151\1513109.pdf	i			

#### Bore Hole Information

Bore Hole ID:	10035097	Elevation:	87.370666
Spatial Status:	20.00	Zone:	18
Code OB:	r	East83:	464360.80
Code OB Desc:	Bedrock	North83:	5039048.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	12-Feb-1952 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	p9
Elevrc Desc:			
Location Source Date:			

# Overburden and Bedrock

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

Materials Interval

Formation ID:	931022442 2
Color:	8
General Color: Mat1:	BLACK 15
Most Common Material: Mat2:	LIMESTONE
Mat2 Desc:	
Mat3 Desc:	
Formation Top Depth: Formation End Depth:	20.0 92.0 ft
i ormation End Depth OOM.	11

# Overburden and Bedrock

Materials Interval

Formation ID:	931022441
Layer:	1
Color:	
General Color:	
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	20.0
Formation End Depth UOM:	ft
Method of Construction & Well	

# Method Construction ID: 961513109 Method Construction Code: 1

wethoa Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

# Pipe Information

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Pipe ID: Casing No: Comment: Alt Name:		10583667 1				
<u>Constructior</u>	Record - Casing					
Casing ID: Layer: Material:		930062181 1 1				
Open Hole of Depth From: Depth To:	r Material:	STEEL 20				
Casing Diam Casing Diam Casing Depti	eter: eter UOM: h UOM:	4 inch ft				
<b>Construction</b>	Record - Casing					
Casing ID: Layer: Material: Open Hole o Depth From: Depth To: Casing Diam Casing Depth Casing Depth	r Material: eter: eter UOM: h UOM:	930062182 2 4 OPEN HOLE 92 4 inch ft				
<u>Results of W</u>	ell Yield Testing					
Pump Test IL Pump Set At Static Level: Final Level A Recommend	D: : fter Pumping: ed Pump Depth:	991513109 14.0 14.0				
Pumping Rat Flowing Rate Recommend Levels UOM:	te: :: ed Pump Rate:	3.0 ft				
Rate UOM: Water State A Water State A Pumping Tes Pumping Du Pumping Du	After Test Code: After Test: St Method: ration HR: ration MIN:	GPM 1 CLEAR 1 0 30				
Flowing: <u>Water Details</u>	5	No				
Water ID: Layer: Kind Code: Kind: Water Found Water Found	Depth: Depth UOM:	933468610 1 1 FRESH 92.0 ft				
<u>28</u>	1 of 1	ESE/129.5	94.9 / 10.32	ON		BORE
Borehole ID: OGF ID:	61640 21551	0 7188		Inclin FLG: SP Status:	No Initial Entry	
93	erisinfo.com   En	vironmental Risk Info	ormation Service	es	Orde	r No: 21073001373

Map Key Numbe Record	r of Directi s Distan	ion/ Elev/Diff ice (m) (m)	Site	DB
Status: Type: Use: Completion Date: Static Water Level: Primary Water Use: Sec. Water Use: Total Depth m: Depth Ref: Depth Ref: Depth Elev: Drill Method: Orig Ground Elev m: Elev Reliabil Note: DEM Ground Elev m: Concession: Location D: Survey D: Comments:	Borehole DEC-1960 -999 Ground Surface 94.5 94.9		Surv Elev: Piezometer: Primary Name: Municipality: Lot: Township: Latitude DD: Longitude DD: UTM Zone: Easting: Northing: Location Accuracy: Accuracy:	No No -75.451006 18 464761 5037972 Not Applicable
Borehole Geology Strat Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Descriptio Stratum Description: Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 3: Material 4: Gsc Material Descriptio	218403837 0 2.7 Sand Boulders Gravel n: 218403838 2.7 Grey Bedrock Limestone n: BEDROCK **Note: Ma	K. GREY. TY = 900. UN any records provided by	Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: Mat Consistency: Material Moisture: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Group: Geologic Period: Depositional Gen: SPECIFIED. SEISMIC VELOC the department have a truncat	TTY = 6600. BEDROCK. SEISMIC VELOCITY = red [Stratum Description] field.
Source Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name: Source Name: Source Details: Confiden 1: Source List Source Identifier: Source Identifier: Source Type:	Data Survey Geological Survey of 1956-1972 M Urban Geo File: OTTA Reliable in	f Canada blogy Automated Informa WA2.txt RecordID: 089 formation but incomplet	Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda: ation System (UGAIS) 080 NTS_Sheet: 31G06E e. Horizontal Datum: Vertical Datum:	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level NAD27 Mean Average Sea Level
Source Date: Scale or Resolution: Source Name: Source Originators:	1956-1972 Varies Urban Geo Geologica	blogy Automated Informa I Survey of Canada	Projection Name: ation System (UGAIS)	Universal Transverse Mercator

Map Key	Numbel Record	r of s	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>29</u>	1 of 1		W/134.6	73.6/-10.95	ON	BORE
Borehole ID: OGF ID: Status: Type: Use: Completion I Static Water Primary Wate Sec. Water U Total Depth r Depth Ref: Depth Elev: Drill Method: Orig Ground Elev Reliabil DEM Ground Concession: Location D:	Date: Level: er Use: lse: m: Elev m: Note: I Elev m:	616403 215517197 Borehole SEP-1959 44.8 Ground Su 74.7 71.4	I		Inclin FLG: SP Status: Surv Elev: Piezometer: Primary Name: Municipality: Lot: Township: Latitude DD: Longitude DD: UTM Zone: Easting: Northing: Location Accuracy: Accuracy:	No Initial Entry No No 45.495855 -75.467401 18 463481 5038142 Not Applicable
Survey D: Comments:	ology Strat	um				
Borehole Ge	ology Strat	<u>um</u>				
Geology Stra Top Depth: Bottom Dept Material Colo Material 1: Material 2: Material 3: Material 4: Gsc Material	atum ID: h: pr: Descriptio	218403844 13.1 14 Sand	1		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Stratum Dese	cription:		SAND.			
Geology Stra Top Depth: Bottom Dept Material Colo Material 1: Material 2: Material 3: Material 4: Gsc Material	atum ID: h: pr: Description	218403846 14.6 44.8 Limestone			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Stratum Desi	cripuon.	ľ	Many records provi	ded by the departr	ment have a truncated [Stra	atum Description] field.
Geology Stra Top Depth: Bottom Dept Material Colo Material 1: Material 2: Material 2: Material 4: Gsc Material 4:	atum ID: h: pr: Descriptio	218403843 0 13.1 Clay	3		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Stratum Des	cription:		CLAY.			
Geology Stra Top Depth: Bottom Dept	atum ID: h:	21840384 14 14.6	5		Mat Consistency: Material Moisture: Material Texture:	

	Number Records	07 ;	Direction/ Distance (m)	(m)	Site		DB
laterial Color laterial 1: laterial 2: laterial 3: laterial 4:		Gravel			Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:		
sc Material L tratum Desci	Description ription:	GF	RAVEL.				
<u>ource</u>							
ource Type: ource Orig: ource Date: confidence: bservatio: ource Name. ource Detail: confiden 1:	: s:	Data Survey Geological S 1956-1972 Ur Fil	Survey of Canada ban Geology Aut e: OTTAWA2.txt	omated Informatio RecordID: 08911 I	Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda: n System (UGAIS) NTS_Sheet:	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level	
ource List ource Identii ource Type: ource Date: cale or Reso ource Name. ource Origin	fier: lution: : ators:	1 Data Survey 1956-1972 Varies Ur Ge	ban Geology Aute eological Survey o	omated Informatio of Canada	Horizontal Datum: Vertical Datum: Projection Name: n System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator	
<u>30</u>	1 of 1	L	W/134.7	73.6 / -10.95	lot 27 con 1 ON		wwis
<i>(ell ID:</i> onstruction rimary Water ec. Water Us inal Well Sta /ater Type: asing Materi udit No: ag: onstruction levation (m): levation Reli /ell Depth: verburden/B ump Rate: tatic Water L lowing (Y/N). low Rate: ilear/Cloudy:	Date: r Use: se: tus: al: Method: fability: rock: sedrock: sevel:	1513130 Domestic 0 Water Suppl	у		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 1/19/1960 True 1504 1 OTTAWA CUMBERLAND TOWNSHIP 027 01 OF	
DF URL (Maj	o):	htt	ps://d2khazk8e8	3rdv.cloudfront.net	/moe_mapping/downloads/	/2Water/Wells_pdfs/151\1513130.pdf	
dditional Der Vell Completa 'ear Completa )epth (m): atitude: ongitude: Path:	<u>tail(s) (Map</u> ed Date: ed:	2) 19 44 45 -75 15	59/09/15 59 .8056 .495852806392 5.4674007564499 1\1513130.pdf	)			

### Bore Hole Information

Dere mele internation				
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: Remarks: Elevrc Desc: Location Source Date: Improvement Location I Source Revision Comm Supplier Comment:	1003511 48.00 r Bedrock 15-Sep- Source: Method: ent:	8 1959 00:00:00	Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	71.380737 18 463480.80 5038142.00 9 unknown UTM p9
<u>Overburden and Bedroc</u> <u>Materials Interval</u>	: <u>k</u>			
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc:		931022490 3 11 GRAVEL		
Formation Top Depth: Formation End Depth: Formation End Depth U	ОМ:	46.0 48.0 ft		
Overburden and Bedroo Materials Interval	<u>:k</u>			
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3:		931022489 2 09 MEDIUM SAND		
Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth U	ОМ:	43.0 46.0 ft		
<u>Overburden and Bedroc</u> <u>Materials Interval</u>	<u>:k</u>			
Formation ID: Layer: Color: General Color: Mat1:		931022491 4 15		

Most Common Material:

LIMESTONE

	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
_	Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation Top Formation End Formation End	o Depth: d Depth: d Depth UOM:	48.0 147.0 ft			
	<u>Overburden al</u> <u>Materials Inter</u>	<u>nd Bedrock</u> rval				
	Formation ID: Layer: Color:		931022488 1			
	General Color Mat1: Most Commor Mat2: Mat2 Desc: Mat3:	: n Material:	05 CLAY			
	Mat3 Desc: Formation Top Formation End Formation End	o Depth: d Depth: d Depth UOM:	0.0 43.0 ft			
	<u>Method of Cor</u> <u>Use</u>	nstruction & Well				
	Method Const Method Const Method Const Other Method	ruction ID: ruction Code: ruction: Construction:	961513130 7 Diamond			
	<u>Pipe Informati</u>	ion				
	Pipe ID: Casing No: Comment: Alt Name:		10583688 1			
	Construction	Record - Casing				
	Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame Casing Diame Casing Depth	Material: ter: ter UOM: UOM:	930062221 1 1 STEEL 49 2 inch ft			
	Construction	Record - Casing				
	Casing ID: Layer: Material: Open Hole or Depth From: Depth To:	Material:	930062222 2 4 OPEN HOLE 147			
	Casing Diame Casing Diame	ter: ter UOM:	2 inch			

Мар Кеу	Number Records	of Direct Distai	tion/ El nce (m) (n	lev/Diff 1)	Site		DB
Casing Dept	h UOM:	ft					
<u>Results of W</u>	ell Yield Tes	sting					
Pump Test IL	D:	99151313	0				
Pump Set At:		71.0					
Static Level:	ftor Pumpin	71.0 a. 00.0					
Recommend	nei Fumpin ed Pump De	<b>9.</b> 90.0					
Pumping Rat	eu rump De e: 	9.0					
Recommend	ed Pumn Ra	<b>te</b> 70					
Levels UOM:		ft					
Rate UOM:		GPM					
Water State A	After Test Co	ode: 1					
Water State A	After Test:	CLEAR					
Pumping Tes	at Method:	1					
Pumping Du	ration HR:	2					
Pumping Dur	ration MIN:	0					
Flowing:		No					
Water Details	2						
Water ID:		93346863	1				
Laver:		1					
Kind Code:		1					
Kind:		FRESH					
Water Found	Depth:	147.0					
Water Found	Depth UON	<b>l:</b> ft					
<u>31</u>	1 of 1	N/135.0	85.	3/0.78	ON		BORE
Develorie (De		616404			Inclin El Oc	No	
Borenole ID:		010424			INCIIN FLG:	INO Initial Entry	
Status:		215517211			SF Status. Surv Elev:	No	
Type [.]		Borehole			Piezometer	No	
Use:		201011010			Primary Name:		
Completion L	Date:	MAY-1970			Municipality:		
Static Water	Level:				Lot:		
Primary Wate	er Use:				Township:		
Sec. Water U	se:				Latitude DD:	45.503815	
Total Depth r	n:	25.9			Longitude DD:	-75.457866	
Depth Ref:		Ground Surface			UTM Zone:	18	
Depth Elev:					Easting:	464231	
Drill Method:		00.0			Northing:	5039022	
Orig Ground	Elev m:	83.8			Location Accuracy:	Not Applicable	
Elev Reliabli	Note:	95			Accuracy:	Not Applicable	
Concession:	Liev III:	00					
Location D							
Survey D							
Comments:							
Borehole Geo	ology Stratu	<u>m</u>					
Goology Stra	tum ID-	218403889			Mat Consistency:		
Top Depth:	ann iD.	0			Material Moisture:		

Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group:

Top Depth:0Bottom Depth:2.4Material Color:GreyMaterial 1:ClayMaterial 2:

erisinfo.com | Environmental Risk Information Services

Map Key	Numbe Record	r of s	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 3: Material 4:					Geologic Period: Depositional Gen:	
Gsc Material Stratum Des	Descriptio cription:	n: (	CLAY. GREY.			
Geology Stra Top Depth: Bottom Dept Material Colo Material 1: Material 2: Material 3: Material 4: Gsc Material	atum ID: h: pr: Descriptio	218403890 2.4 3.7 Black Muck	)		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	muck
Stratum Des Geology Stra Top Depth: Bottom Dept Material Colo Material 1: Material 2: Material 3: Material 4: Gsc Material	cription: atum ID: h: br: Descriptio	218403891 3.7 21.3 Blue Clay Boulders <i>n:</i>			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stra Top Depth: Bottom Dept Material Colo Material 1: Material 2: Material 3: Material 3: Material 4: Gsc Material Stratum Desc	atum ID: h: br: Descriptio cription:	218403892 21.3 25.9 Dark Limestone <b>n:</b>	LIMESTONE. GRE	Y. 00085= 6600. I ds provided by the	Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: BEDROCK. SEISMIC VELO e department have a truncato	CITY = 19000. K. DARK,GREY,SOUND. 0 ed [Stratum Description] field.
Source Source Type Source Orig: Source Date: Confidence: Observatio: Source Name Source Detai Confiden 1:	e: ils:	Data Surve Geological 1956-1972 I	Survey of Canada Jrban Geology Auto File: OTTAWA2.txt	omated Informatic RecordID: 08932	Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda: on System (UGAIS) NTS_Sheet:	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level
<u>Source List</u> Source Ident Source Type Source Date Scale or Res Source Name Source Origi	tifier: : : olution: e: inators:	1 Data Surve 1956-1972 Varies L	ey Jrban Geology Auto Geological Survey o	omated Informatio	Horizontal Datum: Vertical Datum: Projection Name: on System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator
<u>32</u>	1 of 1		N/135.7	85.3 / 0.78	lot 25 con 1 ON	WWIS
Well ID:		1513128			Data Entry Status:	
100	erisinfo.co	om   Enviro	nmental Risk Info	rmation Service	es	Order No: 21073001373

Мар Кеу	Number Records	r of S	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Construction Primary Wate Sec. Water Us Final Well Sta Water Type: Casing Mater Audit No: Tag: Construction Elevation (m) Elevation Rel Depth to Bedl Well Depth: Overburden/E Pump Rate: Static Water I Flowing (Y/N) Flow Rate: Clear/Cloudy:	Date: or Use: se: atus: ial: iability: rock: Bedrock: Level: :	Domestic 0 Water Sup	pply		Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 2/23/1971 True 1504 1 OTTAWA CUMBERLAND TOWNSHIP 025 01 OF	
PDF URL (Ma	p):	I	https://d2khazk8e83i	dv.cloudfront.ne	et/moe_mapping/downloads	/2Water/Wells_pdfs/151\1513128.pdf	
<u>Additional De</u> Well Complet Year Complet Depth (m): Latitude: Longitude: Path:	etail(s) (Maj red Date: ted:	<u>(c</u>	1970/05/04 1970 25.908 45.5038214267007 -75.4578662607235 151\1513128.pdf				
Bore Hole Infe	ormation						
Bore Hole ID: DP2BR: Spatial Status Code OB: Code OB Des Open Hole: Cluster Kind: Date Complet Remarks: Elevrc Desc: Location Sou Improvement Improvement Source Revis Supplier Com	s: ted: rce Date: Location S Location I ion Commont:	10035116 70.00 r Bedrock 04-May-19 Source: Method: ent:	970 00:00:00		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC: UTMRC Desc: Location Method:	84.937629 18 464230.80 5039023.00 4 margin of error : 30 m - 100 m p4	
<u>Overburden a</u> <u>Materials Inte</u>	and Bedroc erval	<u>k</u>					
Formation ID: Layer: Color: General Color Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation To	: n Material: p Depth:		931022483 2 8 BLACK 03 MUCK 8.0				
101	erisinfo.co	om   Enviro	nmental Risk Infor	mation Service	es	Order No: 210730	)01373

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Formation Er Formation Er	nd Depth: nd Depth UOM:	12.0 ft				
<u>Overburden a</u> <u>Materials Inte</u>	and Bedrock erval					
Formation ID Layer: Color: General Colo Mat1: Most Commo Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation To Formation Er	: n Material: p Depth: d Depth: d Depth UOM:	931022484 3 BLUE 05 CLAY 13 BOULDERS 12.0 70.0 ft				
<u>Overburden a</u> <u>Materials Inte</u>	and Bedrock erval					
Formation ID Layer: Color: General Colo Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation To Formation Er Formation Er	r: n Material: p Depth: nd Depth: nd Depth: nd Depth UOM;	931022485 4 2 GREY 15 LIMESTONE 70.0 85.0 ft				
<u>Overburden a</u> Materials Inte	nd Bedrock					
Formation ID Layer: Color: General Colo Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation To	: r: n Material: p Depth:	931022482 1 2 GREY 05 CLAY 0.0				
Formation Er Formation Er <u>Method of Co</u>	nd Depth: ad Depth UOM: <u>nstruction &amp; Well</u>	8.0 ft				
<u>Use</u> Method Cons Method Cons Method Cons Other Method	truction ID: truction Code: truction: I Construction:	961513128 1 Cable Tool				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pipe Informa	tion				
Pipe ID: Casing No: Comment: Alt Name:		10583686 1			
<b>Construction</b>	Record - Casing				
Casing ID: Layer: Material: Open Hole of Depth From: Depth To: Casing Diam Casing Diam Casing Depth	r Material: eter: eter UOM: า UOM:	930062219 2 4 OPEN HOLE 85 inch ft			
<b>Construction</b>	Record - Casing				
Casing ID: Layer: Material: Open Hole of Depth From: Depth To: Casing Diam Casing Diam Casing Depth	r Material: eter: eter UOM: n UOM:	930062218 1 STEEL 72 6 inch ft			
<u>Results of W</u>	ell Yield Testing				
Pump Test IL Pump Set At. Static Level: Final Level A Recommend Pumping Rate Recommend Levels UOM: Rate UOM: Water State A Pumping Tes Pumping Du Pumping Du Flowing:	): fter Pumping: ed Pump Depth: e: e: ed Pump Rate: After Test Code: After Test: After Test: ation HR: ration MIN:	991513128 10.0 50.0 70.0 6.0 ft GPM 1 CLEAR 2 2 0 No			
<u>Draw Down 8</u>	Recovery				
Pump Test D Test Type: Test Duration Test Level: Test Level U	etail ID: n: OM:	934378035 Draw Down 30 35.0 ft			

## Draw Down & Recovery

103

Pump Test Detail ID: Test Type: 934098922 Draw Down

Мар Кеу	Number o Records	of	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Test Duration			15				
Test Level:	-		25.0				
Test Level UC	DM:		ft				
<u>Draw Down &amp;</u>	Recovery						
Pump Test De	etail ID:		934896515				
Test Type:			Draw Down				
Test Duration	:		60				
Test Level:			45.0				
Test Level UC	DM:		ft				
<u>Draw Down &amp;</u>	Recovery						
Pump Test De	etail ID:		934639033				
Test Type:			Draw Down				
Test Duration	:		45				
Test Level:			45.0				
Test Level UC	DM:		ft				
Water Details							
Water ID:			933468629				
Laver:			1				
Kind Code:			1				
Kind:			FRESH				
Water Found	Depth:		85.0				
Water Found	Depth UOM:		ft				
<u>33</u>	1 of 1		WNW/145.7	72.6 / -11.93	lot 27 con 1 ON		WWIS
Well ID:		532616			Data Entry Status		
Construction	Date [.]	002010			Data Src	1	
Primary Wate	r Use: [	Domestic			Date Received:	1/31/2002	
Sec. Water Us	se:				Selected Flag:	True	
Final Well Sta	tus:	Nater Su	pply		Abandonment Rec:		
Water Type:					Contractor:	1517	
Casing Mater	ial:				Form Version:	1	
Audit No:	2	235687			Owner:		
Tag:					Street Name:	077.000	
Construction	Method:				County:		
Elevation (m)					Municipality:	COMBERLAND TOWNSHIP	
Elevation Rel	lability: rook:				Site info:	027	
Woll Dopth:	OCK.				Loi. Concossion:	01	
Overburden/F	Redrock.				Concession Name:	OF	
Pump Rate:	Jeurock.				Easting NAD83	01	
Static Water I	evel:				Northing NAD83:		
Flowing (Y/N)	:				Zone:		
Flow Rate:					UTM Reliability:		
Clear/Cloudy:					-		
					.,		
PDF URL (Ma	p):		https://d2khazk8e83	Brdv.cloudfront.ne	t/moe_mapping/downloads	/2water/Wells_pdfs/153\1532616.pdf	
Additional De	etail(s) (Map)						
Well Complet	ed Date:		2001/08/27				
Year Complet	ted:		2001				
Depth (m):			38.4048				
Latitude:			45.4982130261681				
Lonaitude:			-75.4669313500188	}			

Order No: 21073001373

Map Key	Number Records	r of s	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Path:			153\1532616.pdf			
Bore Hole Info	ormation					
Bore Hole ID: DP2BR: Spatial Status		1052374 0.00	5		Elevation: Elevrc: Zope:	72.263320
Code OB: Code OB Desi	с:	r Bedrock			East83: North83:	463519.00 5038404.00
Cluster Kind: Date Complet	ed:	27-Aug-2	2001 00:00:00		UTMRC: UTMRC Desc:	3 margin of error : 10 - 30 m
Remarks: Elevrc Desc: Location Soul	rce Date:	_			Location Method:	
Improvement Improvement Source Revisi	Location S Location I ion Comm	Source: Nethod: ent:	1999-2004 MOE Wa GIS10000 Northing and/or Eas	ater Well Data Im	provement Project en changed. Reasonab	ly sure well location matches sketch map (similar
Supplier Com	ment:		features).well only n Accuracy was not s scale of 1:10000.	noved to given lo pecified from sou	t and con rce. Within 20m horizo	ntal accuracy assumed as worst case using GIS at a
<u>Overburden a</u> Materials Inte	nd Bedroo rval	: <u>k</u>				
Formation ID: Layer: Color:			932857286 1			
General Color Mat1: Most Commo	r: n Material:		17 SHALE			
Mat2: Mat2 Desc: Mat3:						
Mat3 Desc: Formation To Formation En	p Depth: d Depth: d Depth:	044	0.0 65.0			
			n			
<u>Overburden a</u> <u>Materials Inte</u>	na Bearoc <u>rval</u>	<u>:K</u>				
Formation ID: Layer: Color:			932857287 2 2			
General Color Mat1: Most Common	r: n Material:		GREY 15 LIMESTONE			
Mat2: Mat2 Desc: Mat3: Mat3 Desc:						
Formation To Formation En Formation En	p Depth: d Depth: d Depth U	OM:	65.0 126.0 ft			
<u>Method of Co. Use</u>	<u>nstruction</u>	& Well				
Method Const Method Const Method Const	truction ID truction Co truction:	): ode:	961532616 1 Cable Tool			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Other Method	Construction:					
<u>Pipe Informa</u>	tion					
Pipe ID: Casing No: Comment: Alt Name:		11072315 1				
<b>Construction</b>	Record - Casing					
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diamo Casing Diamo Casing Depth	Material: eter: eter UOM: o UOM:	930095234 1 4 OPEN HOLE 4 inch ft				
Results of W	ell Yield Testing					
Pump Test IE Pump Set At: Static Level: Final Level A Recommende Pumping Rate Recommende Levels UOM: Rate UOM: Water State A Pumping Tes Pumping Dur Pumping Dur Flowing:	ter Pumping: ed Pump Depth: e: : ed Pump Rate: d Pump Rate: ted Pu	991532616 28.0 30.0 90.0 20.0 ft GPM 2 CLOUDY 2 1 0 No				
<u>Draw Down &amp;</u> Pump Test D Test Type: Test Duratior Test Level: Test Level U	<u>Recovery</u> etail ID: ): DM:	934918846 Draw Down 60 30.0 ft				
<u>Draw Down 8</u>	Recovery					
Pump Test D Test Type: Test Duratior Test Level: Test Level U(	etail ID: n: DM:	934661545 Draw Down 45 30.0 ft				
<u>Draw Down 8</u>	Recovery					
Pump Test D Test Type: Test Duratior	etail ID: ):	934117410 Draw Down 15				
106	erisinfo.com   En	vironmental Risk Info	rmation Service	9S	Ord	er No: 21073001373

Мар Кеу	Number Records	of Direction/ bistance (m)	Elev/Diff (m)	Site		DB
Test Level:		25.0				
Test Level U	IOM:	ft				
<u>Draw Down</u>	<u>&amp; Recovery</u>					
Pump Test L	Detail ID:	934400465				
Test Type:		Draw Down				
Test Duratio	n:	30				
Test Level:		28.0				
Test Level U	IOM:	ft				
Water Detail	<u>s</u>					
Water ID:		934016261				
Layer:		1				
Kind Code:		1				
Kind:		FRESH				
Water Found	d Depth:	122.0				
Water Found	d Depth UON	<b>1:</b> ft				
<u>34</u>	1 of 1	ENE/149.9	89.3 / 4.76	lot 25 con 8 ON		WWIS
Well ID:		1527663		Data Entry Status:		
Construction	n Date:			Data Src:	1	
Primary Wat	er Use:	Domestic		Date Received:	2/1/1994	
Sec. Water L	Jse:			Selected Flag:	True	
Final Well S	tatus:	Water Supply		Abandonment Rec:		
Water Type:				Contractor:	1414	

PDF URL (	(Map):
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Casing Material:

Elevation (m):

Well Depth:

Pump Rate: Static Water Level:

Flow Rate:

Flowing (Y/N):

Clear/Cloudy:

Construction Method:

Elevation Reliability:

Overburden/Bedrock:

Depth to Bedrock:

Audit No:

Tag:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1527663.pdf

Concession Name: Easting NAD83:

Northing NAD83:

UTM Reliability:

Form Version:

Street Name:

Municipality:

Concession:

Owner:

County:

Site Info:

Lot:

Zone:

1

025

08 CON

OTTAWA

CUMBERLAND TOWNSHIP

Additional Detail(s) (Map)

Well Completed Date:	1993/12/02
Year Completed:	1993
Depth (m):	54.864
Latitude:	45.4990850954425
Longitude:	-75.4515177153941
Path:	152\1527663.pdf

139136

#### **Bore Hole Information**

Bore Hole ID:	10049290	Elevation:	89.593101
DP2BR:	12.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	464723.80
Code OB Desc:	Bedrock	North83:	5038494.00

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Open Hole: Cluster Kind: Date Complete Remarks: Elevrc Desc: Location Sour Improvement Improvement Source Revisi Supplier Com	ed: 02-Dec- rce Date: Location Source: Location Method: ion Comment: ment:	1993 00:00:00		Org CS: UTMRC: UTMRC Desc: Location Method:	5 margin of error : 100 m - 300 m gis	
<u>Overburden a</u> <u>Materials Inte</u>	<u>nd Bedrock</u> <u>rval</u>					
Formation ID: Layer: Color: General Color Mat1: Most Common Mat2: Mat2 Desc: Mat3 Desc:	r: n Material:	931067359 2 8 BLACK 17 SHALE 73 HARD				
Formation Top Formation En Formation En	p Depth: d Depth: d Depth UOM:	12.0 180.0 ft				
<u>Overburden a</u> <u>Materials Inte</u>	<u>nd Bedrock</u> rval					
Formation ID: Layer: Color: General Color Mat1: Most Common Mat2: Mat2 Desc: Mat3 Mat3 Desc: Formation Top Formation End	r: n Material: p Depth: d Depth: d Depth UOM:	931067358 1 6 BROWN 34 TILL 13 BOULDERS 73 HARD 0.0 12.0 ft				
<u>Annular Space</u> Sealing Recor	<u>e/Abandonment</u> r <u>d</u>					
Plug ID: Layer: Plug From: Plug To: Plug Depth U0	ОМ:	933112613 1 0 44 ft				
<u>Method of Col Use</u>	nstruction & Well					
Method Const Method Const Method Const Other Method	truction ID: truction Code: truction: Construction:	961527663 1 Cable Tool				
Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB	
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------	------------------	------	----	
Pipe Informa	tion					
Pipe ID: Casing No: Comment: Alt Name:		10597860 1				
<b>Construction</b>	Record - Casing					
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diamo Casing Diamo Casing Depth	Material: eter: eter UOM: uUOM:	930086100 1 STEEL 44 6 inch ft				
<u>Construction</u>	Record - Casing					
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame Casing Diame Casing Depth	Material: eter: eter UOM: i UOM:	930086101 2 4 OPEN HOLE 180 6 inch ft				
<u>Results of We</u>	ell Yield Testing					
Pump Test ID Pump Set At: Static Level: Final Level A Recommende Pumping Rate Recommende Levels UOM: Rate UOM: Water State A Pumping Tes Pumping Dur Pumping Dur Flowing:	ter Pumping: ed Pump Depth: e: d Pump Rate: d Pump Rate: fter Test Code: fter Test: t Method: ation HR: ation MIN:	991527663 15.0 170.0 168.0 2.0 2.0 ft GPM 2 CLOUDY 2 1 0 No				
<u>Draw Down 8</u>	Recovery					
Pump Test D Test Type: Test Duratior Test Level: Test Level U	etail ID: n: DM:	934111301 Draw Down 15 87.0 ft				

## Draw Down & Recovery

Pump Test Detail ID:	934386117
Test Type:	Draw Down

Мар Кеу	Numbe Record	r of s	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Test Duration	n:		30				
Test Level:			125.0				
Test Level U	ОМ:		ft				
Draw Down 8	& Recovery	,					
Pump Test D	etail ID:		934655864				
Test Type:			Draw Down				
Test Duration	n:		45				
Test Level:			160.0				
Test Level U	OM:		ft				
Draw Down &	& Recovery						
Pump Test D	etail ID:		934904235				
Test Type:			Draw Down				
Test Duration	n:		60				
Test Level:			170.0				
Test Level U	OM:		ft				
Water Details	<u>S</u>						
Water ID:			933487184				
Layer:			1				
Kind Code:			1				
Kind:	Dent		FRESH				
Water Found	Depth:		165.0				
water Found	Depth 00	W.:	IL				
<u>35</u>	1 of 1		E/159.0	94.6 / 10.10	ON		BORE
Borehole ID:		616402			Inclin El G:	No	
OGF ID:		2155171	90		SP Status:	Initial Entry	
Status:					Surv Elev:	No	
Type:		Borehole	Э		Piezometer:	No	
Use:					Primary Name:		
Completion I	Date:	JAN-196	6		Municipality:		
Static Water	Level:				Lot:		
Primary Wate	er Use:				Township:	45 405747	
Sec. Water U	ise:	000			Latitude DD:	45.495747	
Donth Pof	п.	Ground	Surface		Longitude DD.	-75.449555	
Depth Ref.		Orbunu	Ounace		Fasting	464891	
Drill Method:	•				Northing:	5038122	
Orig Ground	Elev m:	97.5			Location Accuracy:		
Elev Reliabil	Note:				Accuracy:	Not Applicable	
DEM Ground	l Elev m:	96.3					
Concession:							
Location D:							
Survey D:							
comments:							
Borehole Ge	ology Strat	<u>um</u>					
Geology Stra	atum ID:	2184038	341		Mat Consistency:		
Ton Denth		0			Material Moisture		

Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group:

Geologic Period:

Bottom Depth: Material Color: Material 1: Material 2: Material 3:

1.8

Boulders

Gravel

Map Key	Numbel Record	r of s	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 4:					Depositional Gen:	
Gsc Material Stratum Des	Description cription:	n:	BOULDERS.			
Geology Stra Top Depth: Bottom Dept Material Colo Material 1: Material 2: Material 3: Material 4: Gsc Material Stratum Desc	atum ID: h: or: Descriptio cription:	21840384 1.8 Grey Bedrock Limestone	2 BEDROCK. GREY. **Note: Many record	900. UNSPECIF ds provided by th	Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: TED. SEISMIC VELOCITY = e department have a truncat	e 6600. BEDROCK. SEISMIC VELOCITY = 1900 ted [Stratum Description] field.
<u>Source</u> Source Type		Data Surv	еу		Source Appl:	Spatial/Tabular
Source Orig: Source Date Confidence: Observatio: Source Name	e:	Geologica 1956-1972 M	l Survey of Canada 2 Urban Geology Auto	omated Informati	Source Iden: Scale or Res: Horizontal: Verticalda: on System (UGAIS)	1 Varies NAD27 Mean Average Sea Level
Source Detai Confiden 1: <u>Source List</u>	ils:		File: OTTAWA2.txt Reliable informatior	RecordID: 08910 i but incomplete.	0 NTS_Sheet: 31G06E	
Source Ident Source Type Source Date Scale or Res Source Name Source Origi	tifier: : : olution: e: inators:	1 Data Surv 1956-1972 Varies	ey 2 Urban Geology Aut Geological Survey o	omated Informati of Canada	Horizontal Datum: Vertical Datum: Projection Name: on System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator
<u>36</u>	1 of 1		NE/160.4	89.7 / 5.19	lot 24 con 1 ON	WWIS
Well ID: Construction Primary Wate Sec. Water U Final Well St Water Type: Casing Mate Audit No: Tag: Construction Elevation (m) Elevation Re Depth to Beo Well Depth: Overburden/ Pump Rate: Static Water Flowing (Y/N Flow Rate:	n Date: er Use: Jse: atus: rial: n Method: ): liability: drock: /Bedrock: Level: l):	1513110 Domestic 0 Water Sup	oply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 9/15/1953 True 1526 1 OTTAWA CUMBERLAND TOWNSHIP 024 01 OF

PDF URL (Map):

111

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513110.pdf

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Additional De	tail(s) (Map)				
Well Complet	ed Date:	1953/07/09			
Year Complet	ed:	1953			
Depth (m):		27.432			
Latitude:		45.5028386775035			
Longitude:		-75.4537621808626			
Path:		151\1513110.pdf			

#### Bore Hole ID: 10035098 Elevation: 93.783790 DP2BR: 5.00 Elevrc: Spatial Status: Zone: 18 464550.80 Code OB: East83: r North83: Code OB Desc: Bedrock 5038912.00 **Open Hole:** Org CS: Cluster Kind: UTMRC: 5 Date Completed: 09-Jul-1953 00:00:00 UTMRC Desc: margin of error : 100 m - 300 m Remarks: Location Method: р5 Elevrc Desc: Location Source Date:

Overburden and Bedrock Materials Interval

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

Bore Hole Information

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Formation ID:	931022443
Layer:	1
Color:	3
General Color:	BLUE
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:	931022444
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	5.0
Formation End Depth:	90.0
Formation End Depth UOM:	ft

## Method of Construction & Well

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	D
<u>Use</u>					
Method Con	struction ID:	961513110			
Method Con	struction Code:	1 Cable Teel			
Other Metho	od Construction:				
Pipe Informa	ation				
Pipe ID:		10583668			
Casing No: Comment:		1			
Alt Name:					
<u>Constructio</u>	n Record - Casing				
Casing ID:		930062184			
Layer: Material:		2			
Open Hole of	or Material:	OPEN HOLE			
Depth From Depth To:		90			
Casing Dian	neter:	5 inch			
Casing Dian Casing Dept	th UOM:	ft			
<u>Constructio</u>	n Record - Casing				
Casing ID:		930062183			
Layer: Motoriol:		1			
Open Hole o	or Material:	STEEL			
Depth From	:	Q			
Casing Dian	neter:	5			
Casing Dian	neter UOM:	inch ft			
ousing Dept		it.			
<u>Results of V</u>	<u>Vell Yield Testing</u>				
Pump Test I	D:	991513110			
Static Level	<i>t.</i>	11.0			
Final Level /	After Pumping:	46.0			
Pumping Ra	ite:	4.0			
Flowing Rat	e: Ned Rump Pate:				
Levels UOM	:	ft			
Rate UOM:	After Test Code	GPM			
Water State	After Test:	CLEAR			
Pumping Te	st Method:	1			
Pumping Du	iration MIN:	0			
Flowing:		No			
<u>Water Detail</u>	<u>ls</u>				
Water ID:		933468611			
Layer: Kind Code:		1 1			
	erisinfo com l En	vironmental Rick lofa	rmation Sonvice		Order No. 2107200127
113		moninentai r(isk iiii0	ination Service	0	Older NO. 210/30013/

Map Key	Number Records	of Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Kind: Water Found Water Found	Depth: Depth UON	FRESH 90.0 <b>1:</b> ft				
<u>37</u>	1 of 1	E/164.2	94.5 / 9.99	1373 Cox Country Ro Cumberland ON K4C	ad 1N7	EHS
Order No: Status: Report Type: Report Date: Date Receive Previous Site Lot/Building S Additional Inf	d: Name: Size: fo Ordered:	20180813185 C Standard Report 20-AUG-18 13-AUG-18 City Directory; Aeria	al Photos	Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	ON .25 -75.449345 45.49595	
<u>38</u>	1 of 1	WSW/169.8	84.2 / -0.31	1154 OLD MONTREAL CUMBERLAND ON	L RD lot 28 con 1	wwis
Well ID: Construction Primary Wate Sec. Water US Final Well Stat Water Type: Casing Mater Audit No: Tag: Construction Elevation (m) Elevation Rel Depth to Bed Well Depth: Overburden/E Pump Rate: Static Water I Flowing (Y/N) Flow Rate: Clear/Cloudy: PDF URL (Ma Additional Dep	Date: se: atus: fal: fal: biability: rock: Bedrock: Level: c c pp): etail(s) (Map	1534641 Domestic Water Supply Z04889 A004703 https://d2khazk8e8	3rdv.cloudfront.net	Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	6/7/2004 True 1119 3 1154 OLD MONTREAL RD OTTAWA CUMBERLAND TOWNSHIP 028 01 CON	
Well Complet Year Complet Depth (m): Latitude: Longitude: Path:	ted Date: ted:	2004/04/02 2004 85.3 45.4942979736324 -75.466822203832 153\1534641.pdf	9			
Bore Hole Inf	ormation					
Bore Hole ID: DP2BR: Spatial Status Code OB: Code OB Des Open Hole: Cluster Kind: Date Complet Remarks:	s: sc: ted:	11104907 55.00 r Bedrock 02-Apr-2004 00:00:00		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	82.109863 18 463525.00 5037969.00 UTM83 5 margin of error : 100 m - 300 m wwr	
114	erisinfo.co	m   Environmental Risk Info	ormation Service	28	Order No: 21073	3001373

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elevrc Desc: Location Sou Improvement Improvement Source Revis Supplier Con	rrce Date: t Location Source: t Location Method: ion Comment: nment:				
<u>Overburden a</u> Materials Inte	and Bedrock erval				
Formation ID	:	932955258			
Layer:		1			
Color:		6			
General Colo	r:	BROWN			
Matt: Most Commo Mat2:	on Material:	CLAY			
Mat2 Desc: Mat3: Mat3 Desc:					
Formation To	op Depth:	0.0			
Formation Er Formation Er	nd Depth: nd Depth UOM:	16.79999923706054 m	17		
Overburden a Materials Inte	and Bedrock erval				
Formation ID	:	932955259			
Layer:		2			
Color:		2 CDEV			
General Colo Mat1 ·	r:	GRET 15			
Most Commo Mat2:	on Material:	LIMESTONE			
<i>Mat2 Desc: Mat3: Mat3 Desc:</i>					
Formation To	op Depth:	16.79999923706054	17		
Formation Er Formation Er	nd Depth: nd Depth UOM:	85.30000305175781 m			
<u>Annular Spac</u> Sealing Reco	<u>ce/Abandonment</u> <u>rrd</u>				
Plug ID:		933248747			
Layer:		2			
Plug From:		14.6000003814697			
Plug To: Plug Depth U	IOM:	0 m			
Annular Space Sealing Reco	ce/Abandonment_ ord				
Plug ID: Laver:		933248746 1			
Plug From:		17.7000007629395			
Plug To: Plug Depth U	OM:	14.6000003814697 m			
Method of Co	onstruction & Well				

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Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Cons Method Cons Method Cons Other Method	struction ID: struction Code: struction: d Construction:	961534641 5 Air Percussion			
<u>Pipe Informa</u>	<u>tion</u>				
Pipe ID:		11109417			
Casing No: Comment: Alt Name:		1			
<b>Construction</b>	n Record - Casing				
Casing ID:		930837431			
Layer:		1			
Open Hole of	r Material:	STEEL			
Depth From:		0			
Depth To:	otor	18.2999992370605			
Casing Diam	eter UOM:	CM			
Casing Dept	h UOM:	m			
<b>Construction</b>	<u>n Record - Casing</u>				
Casing ID:		930837432			
Layer:		2			
Open Hole of	r Material:	4 OPEN HOLE			
Depth From:		17.7000007629395			
Depth To: Casing Diam	otor.	85.3000030517578			
Casing Diam	eter UOM:	cm			
Casing Dept	h UOM:	m			
<u>Results of W</u>	ell Yield Testing				
Pump Test IL	D:	11117420			
Pump Set At Static Level	:	30,56999969482422	<b>)</b>		
Final Level A	fter Pumping:	59.29999923706055	5		
Recommend	ed Pump Depth:	79.19999694824219	)		
Flowing Rate	e. ):	13.10000030140312	_/		
Recommend	ed Pump Rate:	15.10000038146972	27		
Levels UOM: Rate UOM:		M I PM			
Water State	After Test Code:	1			
Water State	After Test:	CLEAR			
Pumping Tes Pumping Du	st Method: ration HR:	1			
Pumping Du	ration MIN:	0			
Flowing:					
Draw Down &	& Recovery				
Pump Test D	etail ID:	11124745			
Test Type:		Draw Down			
Test Duration	u.	، 32.43999862670898	34		
Test Level U	ОМ:	m			

## Draw Down & Recovery

Pump Test Detail ID:	11124804
Test Type:	Draw Down
Test Duration:	15
Test Level:	41.099998474121094
Test Level UOM:	m

## Draw Down & Recovery

Pump Test Detail ID:	11124799
Test Type:	Draw Down
Test Duration:	2
Test Level:	33.20000076293945
Test Level UOM:	m

## Draw Down & Recovery

Pump Test Detail ID:	11124805
Test Type:	Draw Down
Test Duration:	20
Test Level:	43.400001525878906
Test Level UOM:	m

## Draw Down & Recovery

Pump Test Detail ID:	11124809
Test Type:	Draw Down
Test Duration:	50
Test Level:	56.79999923706055
Test Level UOM:	m

## Draw Down & Recovery

Pump Test Detail ID:	11124818
Test Type:	Recovery
Test Duration:	20
Test Level:	48.599998474121094
Test Level UOM:	m

## Draw Down & Recovery

Pump Test Detail ID:	11124821
Test Type:	Recovery
Test Duration:	40
Test Level:	41.099998474121094
Test Level UOM:	m

## Draw Down & Recovery

11124823
Recovery
60
36.84000015258789
m

## Draw Down & Recovery

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test D Test Type: Test Duration Test Level: Test Level U	etail ID: n: DM:	11124743 Draw Down 0 30.56999969482422 m			
<u>Draw Down 8</u>	Recovery				
Pump Test D Test Type: Test Duration Test Level: Test Level U	etail ID: n: DM:	11124808 Draw Down 40 54.09999847412109 m	4		
<u>Draw Down &amp;</u>	Recovery				
Pump Test D Test Type: Test Duration Test Level: Test Level U	etail ID: n: DM:	11124801 Draw Down 4 34.5 m			
<u>Draw Down 8</u>	Recovery				
Pump Test D Test Type: Test Duration Test Level: Test Level U	etail ID: 1: DM:	11124803 Draw Down 10 38.20000076293945 m			
<u>Draw Down 8</u>	Recovery				
Pump Test D Test Type: Test Duration Test Level: Test Level U	etail ID: n: DM:	11124814 Recovery 4 55.5 m			
<u>Draw Down 8</u>	Recovery				
Pump Test D Test Type: Test Duration Test Level: Test Level U	etail ID: 1: DM:	11124802 Draw Down 5 35.29999923706055 m			
<u>Draw Down 8</u>	Recovery				
Pump Test D Test Type: Test Duration Test Level: Test Level U	etail ID: n: DM:	11124806 Draw Down 25 46.29999923706055 m			
<u>Draw Down &amp;</u>	Recovery				
Pump Test D Test Type: Test Duratior Test Level:	etail ID: 1:	11124816 Recovery 10 52.40000152587890	6		

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Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Test Level U	OM:	m				
Draw Down	& Recovery					
Pump Test L Test Type: Test Duratio Test Level: Test Level U	Detail ID: n: OM:	11124800 Draw Down 3 33.90000152587890 m	6			
Draw Down	& Recovery					
Pump Test L Test Type: Test Duratio Test Level: Test Level U	Detail ID: n: OM:	11124807 Draw Down 30 48.58000183105469 m				
<u>Draw Down</u>	<u>&amp; Recovery</u>					
Pump Test L Test Type: Test Duratio Test Level: Test Level U	Detail ID: n: OM:	11124812 Recovery 2 57.40000152587890 m	6			
Draw Down	& Recovery					
Pump Test E Test Type: Test Duratio Test Level: Test Level U	Detail ID: n: OM:	11124813 Recovery 3 56.40000152587890 m	6			
Draw Down	& Recovery					
Pump Test L Test Type: Test Duratio Test Level: Test Level U	Detail ID: n: OM:	11124817 Recovery 15 50.40000152587890 m	6			
Draw Down	& Recovery					
Pump Test E Test Type: Test Duratio Test Level: Test Level U	Detail ID: n: OM:	11124819 Recovery 25 47.65000152587890 m	6			
Draw Down	& Recovery					
Pump Test D Test Type: Test Duratio Test Level: Test Level U	Detail ID: n: OM:	11124820 Recovery 30 45.08000183105469 m				
<u>Draw Down (</u>	<u>&amp; Recovery</u>					
119	erisinfo.com   Er	nvironmental Risk Infor	mation Service	es	Order No: 21073007	1373

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	Ľ	)B
Pump Test D Test Type: Test Duration Test Level: Test Level U	etail ID: 1: OM:	11124744 Recovery 0 59.29999923706055 m				
Draw Down &	Recovery					
Pump Test D Test Type: Test Duration Test Level: Test Level Ut	etail ID: n: DM:	11124815 Recovery 5 54.900001525878900 m	5			
<u>Draw Down &amp;</u>	Recovery					
Pump Test D Test Type: Test Duration Test Level: Test Level U	etail ID: n: OM:	11124810 Draw Down 60 59.29999923706055 m				
<u>Draw Down &amp;</u>	Recovery					
Pump Test D Test Type: Test Duration Test Level: Test Level U	etail ID: 1: DM:	11124811 Recovery 1 58.400001525878900 m	6			
Draw Down 8	Recovery					
Pump Test D Test Type: Test Duration Test Level: Test Level U	etail ID: 1: OM:	11124822 Recovery 50 39.0 m				
Water Details	i					
Water ID: Layer: Kind Code: Kind: Water Found Water Found	Depth: Depth UOM:	934046436 1 5 Not stated 37.5 m				
Water Details	1					
Water ID: Layer: Kind Code: Kind: Water Found Water Found	Depth: Depth UOM:	934046437 2 5 Not stated 85.30000305175781 m				

## Hole Diameter

Hole ID:

15.239999771118164 0.0 85.30000305175781 m cm <i>NNE/171.5</i> 513927 omestic /ater Supply	4 88.9 / 4.39	lot 24 con 1 ON Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec:	1 3/18/1974 True	wwis
<i>NNE/171.5</i> 513927 omestic /ater Supply	88.9 / 4.39	lot 24 con 1 ON Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec:	1 3/18/1974 True	wwis
513927 omestic /ater Supply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec:	1 3/18/1974 True	
		Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1504 1 OTTAWA CUMBERLAND TOWNSHIP 024 01 OF	
https://d2khazk8e83re	dv.cloudfront.ne	et/moe_mapping/downloads	/2Water/Wells_pdfs/151\1513927.pdf	
1973/06/14 1973 100.584 45.5037459825605 -75.4542174894465 151\1513927.pdf				
0035909 00 edrock 4-Jun-1973 00:00:00		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	93.279251 18 464515.80 5039013.00 6 margin of error : 300 m - 1 km p6	
	https://d2khazk8e83rd 1973/06/14 1973 100.584 45.5037459825605 -75.4542174894465 151\1513927.pdf )035909 00 edrock I-Jun-1973 00:00:00	https://d2khazk8e83rdv.cloudfront.ne 1973/06/14 1973 100.584 45.5037459825605 -75.4542174894465 151\11513927.pdf 0035909 00 edrock I-Jun-1973 00:00:00	Lot: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability: https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads 1973/06/14 1973 100.584 45.5037459825605 -75.4542174894465 151\1513927.pdf 2005 Elevration: East83: bdrock North83: Org CS: UTMRC: Location Method: rce: hod:	Lot: 024 Concession Name: OF Easting NAD83: Northing NAD83: Zone: UTM Reliability: https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513927.pdf 1973/06/14 1973 100.584 45.5037459825605 -75.4542174894465 151\1513927.pdf 2002 Elevation: 93.279251 00 Elevation: 93.279251 00 Elevation: 93.279251 00 Elevation: 18 East83: 464515.80 2006: 18 Locne: 18 East83: 464515.80 UTMRC: 6 UTMRC: 6 UTMRC: 6 UTMRC: 6 UTMRC: 6 UTMRC: 6 UTMRC: 6 UTMRC: 6 UTMRC: 6 UTMRC: 7 6 UTMRC: 7 1-Jun-1973 00:00:00 UTMRC Desc: margin of error : 300 m - 1 km Location Method: p6

Overburden and Bedrock Materials Interval

Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DE
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc:	931024815 3 6 BROWN 19 SLATE			
Formation Top Depth: Formation End Depth: Formation End Depth UOM:	20.0 80.0 ft			
<u>Overburden and Bedrock</u> <u>Materials Interval</u>				
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	931024816 4 2 GREY 15 LIMESTONE 80.0 240.0 ft			
Overburden and Bedrock Materials Interval				
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2: Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	931024817 5 6 BROWN 19 SLATE 240.0 330.0 ft			
Overburden and Bedrock Materials Interval				
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc:	931024814 2 6 BROWN 17 SHALE			
Formation Top Depth: Formation End Depth:	6.0 20.0			

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation En	d Depth UOM:	ft			
<u>Overburden a</u> Materials Inte	nd Bedrock rval				
Formation ID Layer: Color:		931024813 1 6			
General Colo Mat1: Most Commo	r: n Material:	BROWN 14 HARDPAN			
<i>Mat2: Mat2 Desc: Mat3:</i>					
Mat3 Desc: Formation To Formation En	p Depth: d Depth:	0.0 6.0			
Formation En	d Depth UOM:	π			
<u>Method of Co</u> <u>Use</u>	nstruction & Well				
Method Cons	truction ID:	961513927 4			
Method Cons Method Cons Other Method	truction: Construction:	Rotary (Air)			
<u>Pipe Informat</u>	ion				
Pipe ID: Casing No: Comment: Alt Name:		10584479 1			
<u>Construction</u>	Record - Casing				
Casing ID: Layer:		930063465 1			
Material: Open Hole or	Material:	1 STEEL			
Depth From: Depth To:		22			
Casing Diame Casing Diame	eter: eter UOM:	6 inch			
Casing Depth	UOM:	ft			
<u>Results of We</u>	ell Yield Testing				
Pump Test ID Pump Set At:	:	991513927			
Static Level: Final Level A	fter Pumpina:	80.0 130.0			
Recommende Pumping Rate Flowing Rate	ed Pump Depth: e:	200.0 6.0			
Recommende	ed Pump Rate:	6.0 ft			
Rate UOM: Water State	fter Test Code	GPM 1			
Water State A	fter Test:	CLEAR			
Pumping Tes Pumping Dur	ation HR:	2 1			

Map Key	Number Records	of Direc Dista	tion/ El nce (m) (m	lev/Diff າ)	Site		DB
Pumping Dur Flowing:	ration MIN:	0 No					
<u>Draw Down &amp;</u>	& Recovery						
Pump Test D Test Type: Test Duratior Test Level: Test Level Ut	etail ID: n: OM:	93409969 Draw Dov 15 90.0 ft	99 vn				
<u>Draw Down &amp;</u>	<u>&amp; Recovery</u>						
Pump Test D Test Type: Test Duratior Test Level: Test Level U	etail ID: n: OM:	93489923 Draw Dov 60 130.0 ft	36 wn				
Draw Down &	<u>&amp; Recovery</u>						
Pump Test D Test Type: Test Duratior Test Level: Test Level U	etail ID: n: OM:	9343807 Draw Dov 30 110.0 ft	73 wn				
<u>Draw Down &amp;</u>	<u>&amp; Recovery</u>						
Pump Test D Test Type: Test Duratior Test Level: Test Level U	etail ID: n: OM:	93464170 Draw Dov 45 130.0 ft	66 wn				
Water Details	5						
Water ID: Layer: Kind Code: Kind: Water Found Water Found	Depth: Depth UON	93346968 1 FRESH 330.0 <b>f:</b> ft	31				
<u>40</u>	1 of 1	NNE/18	7.8 87.	0/2.48	ON		BORE
Borehole ID: OGF ID: Status: Type: Use: Completion I Static Water Primary Wate Sec. Water U Total Depth r Depth Ref: Depth Elev: Drill Method: Orig Ground	Date: Level: er Use: se: n: Elev m:	616427 215517214 Borehole DEC-1968 77.7 Ground Surface 83.8			Inclin FLG: SP Status: Surv Elev: Piezometer: Primary Name: Municipality: Lot: Township: Latitude DD: Longitude DD: UTM Zone: Easting: Northing: Location Accuracy:	No Initial Entry No No 45.50454 -75.456592 18 464331 5039102	

Map Key Numb Recor	er of ds	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elev Reliabil Note: DEM Ground Elev m: Concession: Location D: Survey D: Comments:	84.5			Accuracy:	Not Applicable
Borehole Geology Stra	atum				
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Descripti	21840390 0 1.2 Clay	0		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Stratum Description: Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 2: Material 3: Material 4: Gsc Material Description:	21840390 1.2 74.7 Grey Limestone	CLAY. 1 LIMESTONE. GREY	·	Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Descripti Stratum Description:	21840390 74.7 77.7 Grey Sandstone	2 SANDSTONE. WHIT Many records provid	FE. 00255STONi ed by the depart	Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: E. GREY. 00156BEDROCK ment have a truncated [Stra	. SEISMIC VELOCITY = 19000. K. DAR **Note: tum Description] field.
<u>Source</u>					
Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name: Source Details: Confiden 1:	Data Surv Geologica 1956-1972	ey I Survey of Canada 2 Urban Geology Auto File: OTTAWA2.txt F	mated Informatic RecordID: 08935	Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda: on System (UGAIS) NTS_Sheet:	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level
Source List					
Source Identifier: Source Type: Source Date: Scale or Resolution: Source Name: Source Originators:	1 Data Surv 1956-1972 Varies	ey 2 Urban Geology Auto Geological Survey o	mated Informatic f Canada	Horizontal Datum: Vertical Datum: Projection Name: on System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator

Map Key	Numbe Record	r of Is	<i>Direction/ Distance (m)</i>	Elev/Diff (m)	Site		DB
<u>41</u>	1 of 1		NNE/188.5	87.0/2.48	lot 24 con 1 ON		WWIS
Well ID: Construction Primary Wat Sec. Water U Final Well St Water Type: Casing Mate Audit No: Tag: Construction Elevation (m Elevation Re Depth to Bed Well Depth: Overburden/ Pump Rate: Static Water Flowing (Y/N Flow Rate: Clear/Cloud	n Date: er Use: Jse: tatus: rial: n Method: ): liability: drock: /Bedrock: /Bedrock: Level: J):	1513118 Domestic 0 Water Sup	ррју		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 2/5/1969 True 1504 1 OTTAWA CUMBERLAND TOWNSHIP 024 01 OF	

PDF URL (Map):

 $https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513118.pdf$ 

## Additional Detail(s) (Map)

Well Completed Date:	1968/12/22
Year Completed:	1968
Depth (m):	77.724
Latitude:	45.5045466176796
Longitude:	-75.456592065342
Path:	151\1513118.pdf

## Bore Hole Information

Bore Hole ID:	10035106	Elevation:	84.465843
DP2BR:	4.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	464330.80
Code OB Desc:	Bedrock	North83:	5039103.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	22-Dec-1968 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location	Source:		
Improvement Location I	Method:		

## Overburden and Bedrock Materials Interval

Source Revision Comment: Supplier Comment:

Formation ID:	931022460
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY

Map Key Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	0.0 4.0 ft				
Overburden and Bedrock Materials Interval					
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3:	931022461 2 2 GREY 15 LIMESTONE				
<i>Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:</i>	4.0 245.0 ft				
Overburden and Bedrock Materials Interval					
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3:	931022462 3 1 WHITE 18 SANDSTONE				
<i>Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:</i>	245.0 255.0 ft				
Method of Construction & Well Use					
Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	961513118 1 Cable Tool				
Pipe Information					
Pipe ID: Casing No: Comment: Alt Name:	10583676 1				
Construction Record - Casing					
Casing ID: Layer: Material:	930062198 1 1				

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Open Hole or Depth From: Depth To: Casing Diame Casing Diame Casing Depth	Material: eter: eter UOM: o UOM:	STEEL 22 6 inch ft				
<u>Construction</u>	Record - Casing					
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame Casing Diame Casing Depth	Material: eter: eter UOM: o UOM:	930062199 2 4 OPEN HOLE 255 6 inch ft				
<u>Results of We</u>	ell Yield Testing					
Pump Test ID Pump Set At: Static Level: Final Level A Recommende Pumping Rate Flowing Rate Recommende Levels UOM: Rate UOM: Water State A Water State A Pumping Dur Pumping Dur Flowing: Water Details Water ID: Layer: Kind Code: Kind: Water Found Water Found	tter Pumping: ed Pump Depth: e: ed Pump Rate: ded Pump Rate: fter Test Code: After Test: t Method: ation HR: ation HR: ation MIN: Depth: Depth: Depth UOM:	991513118 85.0 85.0 100.0 18.0 6.0 ft GPM 1 CLEAR 1 3 0 No 933468619 1 1 FRESH 255.0 ft				
<u>42</u>	1 of 1	NE/191.9	89.7/5.18	lot 24 con 1 ON		wwis
Well ID: Construction Primary Wate Sec. Water Us Final Well Sta Water Type: Casing Mater Audit No: Tag: Construction Elevation (m)	15131 Date: or Use: Dome: se: 0 ntus: Water ial: Method: : iability:	13 stic Supply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info:	1 8/15/1960 True 1107 1 OTTAWA CUMBERLAND TOWNSHIP	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Depth to Bed Well Depth: Overburden/E Pump Rate: Static Water I Flowing (Y/N) Flow Rate: Clear/Cloudy.	rock: Bedrock: Level: ::			Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	024 01 OF	
PDF URL (Ma	p):	https://d2khazk8e83	Brdv.cloudfront.ne	et/moe_mapping/downloads	/2Water/Wells_pdfs/151\1513113.pdf	
Additional De	etail(s) (Map)					
Well Complet Year Complet Depth (m): Latitude: Longitude: Path:	ed Date: ted:	1960/06/30 1960 39.624 45.502930210743 -75.4533789049314 151\1513113.pdf	Ļ			
Bore Hole Inf	ormation					
Bore Hole ID: DP2BR: Spatial Status Code OB: Code OB Des Open Hole: Cluster Kind: Date Complet Remarks: Elevrc Desc: Location Sou Improvement Source Revis Supplier Com	ted: 30- rcc Date: Location Sour Location Meth ion Comment: ment:	035101 0 drock -Jun-1960 00:00:00 <b>ce:</b> od:		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	93.733413 18 464580.80 5038922.00 5 margin of error : 100 m - 300 m p5	
<u>Overburden a</u> <u>Materials Inte</u>	and Bedrock erval					
Formation ID. Layer: Color: General Colo. Mat1: Most Commo Mat2: Mat2 Desc: Mat3:	: r: n Material:	931022450 2 15 LIMESTONE				
<i>Mat3 Desc: Formation To Formation En</i> <i>Formation En</i>	p Depth: Id Depth: Id Depth UOM:	3.0 130.0 ft				
<u>Overburden a</u> <u>Materials Inte</u> Formation ID. Layer: Color: General Colo	and Bedrock erval : r:	931022449 1				

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat1: Most Commo Mat2: Mat2 Desc: Mat3: Mat3 Desc:	n Material:	02 TOPSOIL			
Formation To Formation En Formation En	p Depth: d Depth: d Depth UOM:	0.0 3.0 ft			
<u>Method of Co</u> <u>Use</u>	nstruction & Well				
Method Cons Method Cons Method Cons Other Method	truction ID: truction Code: truction: Construction:	961513113 1 Cable Tool			
<u>Pipe Informat</u>	ion				
Pipe ID: Casing No: Comment: Alt Name:		10583671 1			
<u>Construction</u>	<u>Record - Casing</u>				
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame Casing Depth	Material: eter: eter UOM: UOM:	930062190 2 4 OPEN HOLE 130 4 inch ft			
<u>Construction</u>	<u>Record - Casing</u>				
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame Casing Diame Casing Depth	Material: eter: eter UOM: UOM:	930062189 1 STEEL 23 4 inch ft			
Results of We	ell Yield Testing				
Pump Test ID Pump Set At: Static Level: Final Level At Recommende Pumping Rate Flowing Rate Recommende Levels UOM: Rate UOM:	: iter Pumping: d Pump Depth: e: d Pump Rate:	991513113 16.0 130.0 50.0 8.0 3.0 ft GPM			
Water State A	fter Test Code:	1			

Мар Кеу	Numbe Record	r of s	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water State A Pumping Tes Pumping Dur Pumping Dur Flowing:	After Test: t Method: ration HR: ration MIN:		CLEAR 1 1 0 No			
Water Details	I					
Water ID: Layer: Kind Code: Kind: Water Found Water Found	Depth: Depth UO	М:	933468614 1 FRESH 130.0 ft			
<u>43</u>	1 of 1		NE/192.0	89.7 / 5.18	ON	BORE
Borehole ID: OGF ID: Status: Type: Use: Completion D Static Water ID Primary Wate Sec. Water US Total Depth n Depth Ref: Depth Elev: Drill Method: Orig Ground DEM Ground Concession: Location D: Survey D: Comments:	Date: Level: er Use: se: n: Elev m: Note: Elev m:	616421 2155172 Borehole JUN-196 39.6 Ground S 91.4 93.7	08 90 Surface		Inclin FLG: SP Status: Surv Elev: Piezometer: Primary Name: Municipality: Lot: Township: Latitude DD: Longitude DD: UTM Zone: Easting: Northing: Location Accuracy: Accuracy:	No Initial Entry No No 45.502932 -75.453379 18 464581 5038922 Not Applicable
Borehole Geo	ology Strat	<u>um</u>				
Geology Strat Top Depth: Bottom Depth Material Color Material 1: Material 2: Material 3: Material 4: Gsc Material 4 Stratum Desc	tum ID: h: r: Descriptio rrintion:	2184038 .9 39.6 Blue Limestor <b>n:</b>	83 Ie	GRANITE RUUE	Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Stratum Desc	πραση:		records provided by	the department h	have a truncated [Stratum De	escription] field.
Geology Strat Top Depth: Bottom Depth Material Colo Material 1: Material 2: Material 3: Material 4: Gsc Material 1 Stratum Desc	tum ID: h: r: Descriptio rription:	2184038 0 .9 Soil	82 SOIL.		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	

Мар Кеу	Number o Records	of	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
<u>Source</u>							
Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name: Source Details Confiden 1:	[ ( 1 s:	Data Survey Geological S 1956-1972 Ui Fi	, Survey of Canada ban Geology Auto le: OTTAWA2.txt R	mated Informatior RecordID: 08929 N	Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda: System (UGAIS) ITS_Sheet:	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level	
<u>Source List</u> Source Identif Source Type:	<b>iier:</b> 1	1 Data Survey	,		Horizontal Datum: Vertical Datum:	NAD27 Mean Average Sea Level	
Source Date: Scale or Reso Source Name: Source Origin	lution: \ ators:	Varies Ui Ge	ban Geology Auto eological Survey of	mated Informatior Canada	Projection Name:	Universal Transverse Mercator	
<u>44</u>	1 of 1	I	NNE/192.3	87.9 / 3.37	ON		BORE
Borehole ID: OGF ID: Status: Type: Use: Completion Da Static Water L	ete: J evel:	516428 215517215 Borehole JUN-1968			Inclin FLG: SP Status: Surv Elev: Piezometer: Primary Name: Municipality: Lot:	No Initial Entry No No	
Primary Water Sec. Water Us Total Depth m Depth Ref: Depth Elev: Drill Method: Orig Ground E Eley Reliabil	r Use: :e: :: 3 ( C Elev m: 8 Note:	30.5 Ground Surf 33.8	ace		Township: Latitude DD: Longitude DD: UTM Zone: Easting: Northing: Location Accuracy: Accuracy:	45.504545 -75.455312 18 464431 5039102 Not Applicable	

## Borehole Geology Stratum

DEM Ground Elev m: 85.1

Concession: Location D: Survey D: Comments:

Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218403903 0 .9 Blue Clay Clay	Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:
Geology Stratum ID: Top Depth: Bottom Depth: Material Color:	218403904 .9 30.5 Grey	Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type:

Map Key	Numbe Record	r of 's	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Material 1: Material 2: Material 3: Material 4: Gsc Material Stratum Desc	Descriptio cription:	Limeston n:	e LIMESTONE. GRI	EY WHITE. 0025	Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: 55STONE. GREY. 00156BE	DROCK. SEISMIC VELOCITY = 19000.	
<u>Source</u>							
Source Type Source Orig: Source Date: Confidence: Observatio: Source Name Source Detai Confiden 1:	e: ils:	Data Sur Geologic: 1956-197	vey al Survey of Canad 72 Urban Geology Au File: OTTAWA2.tx	a Itomated Informati t RecordID: 08936	Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda: on System (UGAIS) NTS_Sheet:	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level	
Source List Source Ident Source Type Source Date: Scale or Res Source Name Source Origi	ifier: : olution: e: nators:	1 Data Sur 1956-197 Varies	vey ′2 Urban Geology Au Geological Survey	itomated Informati of Canada	Horizontal Datum: Vertical Datum: Projection Name: on System (UGAIS)	NAD27 Mean Average Sea Level Universal Transverse Mercator	
<u>45</u>	1 of 1		NNE/193.0	87.9/3.37	lot 24 con 1 ON		wwis
Well ID: Construction Primary Wate Sec. Water U Final Well Sta Water Type: Casing Mater Audit No: Tag: Construction Elevation (m, Elevation Re Depth to Beo Well Depth: Overburden/ Pump Rate: Static Water Flowing (Y/N Flow Rate: Clear/Cloudy	n Date: er Use: lse: atus: rial: n Method: ): liability: lrock: Bedrock: Level: ): :	1513117 Domestic 0 Water Su	: Ipply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 2/5/1969 True 1504 1 OTTAWA CUMBERLAND TOWNSHIP 024 01 OF	
PDF URL (Ma	ap):		https://d2khazk8e8	33rdv.cloudfront.ne	et/moe_mapping/downloads	/2Water/Wells_pdfs/151\1513117.pdf	
<u>Additional De</u> Well Comple Year Comple Depth (m): Latitude: Longitude: Path:	<u>etail(s) (Ma</u> ted Date: ted:	<u>(9)</u>	1968/06/29 1968 30.48 45.504551727020 -75.455312032350 151\1513117.pdf	5 )4			

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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Bore Hole Inf	ormation					
Bore Hole ID: DP2BR: Spatial Status Code OB: Code OB: Code OB DE: Cluster Kind: Date Complet Remarks: Elevrc Desc: Location Sou Improvement Source Revis Supplier Com	ted: 29-Jun- rce Date: Location Source: Location Method: ion Comment:	05 k -1968 00:00:00		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	85.034637 18 464430.80 5039103.00 4 margin of error : 30 m - 100 m p4	
<u>Overburden a</u> Materials Inte	and Bedrock erval					
Formation ID. Layer: Color: General Colo. Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation To Formation En	: r: n Material: p Depth: nd Depth: nd Depth UOM:	931022459 2 GREY 15 LIMESTONE 3.0 100.0 ft				
<u>Overburden a</u> Materials Inte	and Bedrock erval					
Formation ID. Layer: Color: General Colo Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation To Formation Fr	: r: n Material: p Depth: nd Depth: nd Depth: nd Depth UOM:	931022458 1 3 BLUE 05 CLAY 0.0 3.0 ft				
<u>Method of Co</u> Use	onstruction & Well					
Method Cons Method Cons Method Cons Other Method	truction ID: truction Code: truction: I Construction:	961513117 1 Cable Tool				
<u>Pipe Informat</u>	<u>tion</u>					

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pipe ID: Casing No: Comment: Alt Name:		10583675 1			
Construction	Record - Casing				
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame Casing Diame	Material: eter: eter UOM:	930062196 1 1 STEEL 20 6 inch			
Casing Depth	UOM:	ft			
<u>Construction</u>	Record - Casing				
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame Casing Diame Casing Depth	Material: eter: eter UOM: 0 UOM:	930062197 2 4 OPEN HOLE 100 6 inch ft			
Results of We	ell Yield Testing				
Pump Test ID Pump Set At: Static Level: Final Level A Recommende Pumping Rate Flowing Rate Recommende Levels UOM: Rate UOM: Water State A Pumping Tes Pumping Dur Pumping Dur Flowing:	: fter Pumping: ed Pump Depth: e: ed Pump Rate: fter Test Code: fter Test: t Method: ation HR: ation MIN:	991513117 5.0 60.0 6.0 ft GPM 1 CLEAR 1 2 0 No			
Water Details					
Water ID: Layer: Kind Code: Kind: Water Found Water Found	Depth: Depth UOM:	933468618 1 1 FRESH 100.0 ft			
<u>46</u> External File	1 of 1 Num:	<i>NE/193.8</i> FS INC 0706-03281	89.7 / 5.14	1571 SEQUOIA DRIVE CUMBERLAND ON K4C 1C2	HINC
Fuel Occurre	nce Type:	Pipeline Strike			
135	erisinfo.com   En	vironmental Risk Info	rmation Service	25	Order No: 21073001373

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site				DB
Date of Occu	irrence:	6/15/2007						
Fuel Type In	volved:	Natural Gas						
Status Desc:	,	Completed - Causal	Analysis(End)					
Job Type De	sc:	Incident/Near-Miss	Occurrence (FS)					
Oper. Type I	nvolved:	Construction Site (p	ipeline strike)					
Service Inter	ruptions:	No	. ,					
Property Dar	nage:	No						
Fuel Life Cvo	le Stage:	Transmission, Distri	bution and Trans	sportation				
Root Cause:	U	Root Cause: Equipr Management:Yes	nent/Material/Co Human Factors:	mponent:No Yes	Procedures:No	Maintenance:No	Design:No	Training:No
Reported De	tails:							
Fuel Catego	v:	Gaseous Fuel						
Occurrence	, Tvpe:	Incident						
Affiliation:	<i>71</i>	Industry Stakeholde	r (Licensee/Regi	stration/Certif	ficate Holder. Faci	ility Owner, etc.)		
County Nam	e:	Prescott and Russe	1			· · · · · · · · · · · · · · · · · · ·		
Approx. Qua	nt. Rel:							
Nearby body	of water:							
Enter Draina	ae Svst.:							
Approx. Qua	nt. Unit:							
Environmen	al Impact:							

<u>47</u>	1 of 1	SE/213.3	91.9 / 7.34	lot D con 8 ON		WWIS
Well ID:		1519783		Data Entry Status:		
Construction	n Date:			Data Src:	1	
Primary Wat	ter Use:	Domestic		Date Received:	7/25/1985	
Sec. Water L	Jse:			Selected Flag:	True	
Final Well S	tatus:	Water Supply		Abandonment Rec:		
Water Type:		11.5		Contractor:	1504	
Casing Mate	erial:			Form Version:	1	
Audit No:				Owner:		
Tag:				Street Name:		
Constructio	n Method:			County:	OTTAWA	
Elevation (m	n):			Municipality:	CUMBERLAND TOWNSHIP	
Elevation Re	liability:			Site Info:		
Depth to Be	drock:			Lot:	D	
Well Depth:				Concession:	08	
Overburden	/Bedrock:			Concession Name:	CON	
Pump Rate:				Easting NAD83:		
Static Water	l evel:			Northing NAD83		
Flowing (Y/N	v).			Zone:		
Flow Rate:	·).			UTM Reliability:		
Clear/Cloud	<b>y</b> :					

PDF URL (Map):

 $https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1519783.pdf$ 

Additional Detail(s) (Map)

Well Completed Date:	1985/05/29
Year Completed:	1985
Depth (m):	39.624
Latitude:	45.4912449387282
Longitude:	-75.4515574463685
Path:	151\1519783.pdf

## Bore Hole Information

Bore Hole ID:	10041636	Elevation:	91.613113
DP2BR:	1.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	464715.80

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Code OB Des Open Hole: Cluster Kind: Date Complet Remarks: Elevrc Desc: Location Sou Improvement Source Revis Supplier Com	c: Bedrock red: 29-May- rce Date: Location Source: Location Method: ion Comment: ment:	-1985 00:00:00		North83: Org CS: UTMRC: UTMRC Desc: Location Method:	5037623.00 9 unknown UTM lot	
<u>Overburden a</u> <u>Materials Inte</u>	nd Bedrock rval					
Formation ID. Layer: Color: General Color Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation To Formation En	r: n Material: p Depth: d Depth: d Depth: d Depth UOM:	931042715 1 6 BROWN 02 TOPSOIL 0.0 1.0 ft				
<u>Overburden a</u> <u>Materials Inte</u>	nd Bedrock rval					
Formation ID. Layer: Color: General Colo. Mat1: Most Commo Mat2: Mat2 Desc: Mat3 Desc: Formation To Formation En Formation En	r: n Material: p Depth: d Depth: d Depth UOM:	931042716 2 6 BROWN 18 SANDSTONE 1.0 2.0 ft				
<u>Overburden a</u> Materials Inte	nd Bedrock rval					
Formation ID. Layer: Color: General Colo. Mat1: Most Commo Mat2: Mat2 Desc: Mat3:	r: n Material:	931042717 3 2 GREY 15 LIMESTONE				
Mat3 Desc: Formation To Formation En Formation En	p Depth: d Depth: d Depth UOM:	2.0 130.0 ft				

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Method of Co</u> <u>Use</u>	nstruction & Well				
Method Const Method Const Method Const Other Method	truction ID: truction Code: truction: Construction:	961519783 4 Rotary (Air)			
<u>Pipe Informat</u>	<u>ion</u>				
Pipe ID: Casing No: Comment: Alt Name:		10590206 1			
<b>Construction</b>	<u> Record - Casing</u>				
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame Casing Diame Casing Depth	Material: eter: eter UOM: UOM:	930072705 1 STEEL 20 6 inch ft			
<b>Construction</b>	Record - Casing				
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame Casing Diame Casing Depth	Material: eter: eter UOM: UOM:	930072706 2 4 OPEN HOLE 130 6 inch ft			
<u>Results of We</u>	ell Yield Testing				
Pump Test ID Pump Set At: Static Level: Final Level At	: iter Pumpina:	991519783 11.0 100.0			

Static Level:	11.0
Final Level After Pumping:	100.0
Recommended Pump Depth:	100.0
Pumping Rate:	18.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

## Draw Down & Recovery

Pump Test Detail ID:

: 934654939

Map Key	Number Records	of	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Test Type:			Recovery				
Test Duration	1:		45				
Test Level:			11.0				
Test Level UC	OM:		ft				
<u>Draw Down 8</u>	Recovery						
Pump Test De	etail ID:		934384398				
Test Type:			Recovery				
Test Duration	1:		30				
Test Level:	~~~		11.0				
Test Level OC	JWI:		n				
<u>Draw Down 8</u>	<u>Recovery</u>						
Pump Test D	etail ID:		934109669				
Test Type:			Recovery				
Test Duration	1:		15				
Test Level:	∩ <i>M</i> -		11.0 #				
Test Level OC	JIVI.		it.				
<u>Draw Down 8</u>	Recovery						
Pump Test D	etail ID:		934894723				
Test Type:			Recovery				
Test Duration	1:		60 11 0				
Test Level UC	OM:		ft				
Water Details	i						
Water ID:			933476856				
Layer:			1				
Kind Code: Kind			FRESH				
Water Found	Depth:		124.0				
Water Found	Depth UON	1:	ft				
<u>48</u>	1 of 1		NE/223.8	89.4 / 4.82	lot 2 ON		wwis
Well ID:		1532723			Data Entrv Status:		
Construction	Date:				Data Src:	1	
Primary Wate	er Use:	Domestic	C		Date Received:	4/16/2002	
Sec. Water U	se:				Selected Flag:	True	
Final Well Sta	atus:	Water St	upply		Abandonment Rec:	1110	
Casing Mater	rial·				Form Version	1	
Audit No:		237760			Owner:		
Tag:					Street Name:		
Construction	Method:				County:	OTTAWA	
Elevation (m)	); liahilitu				Municipality:	CUMBERLAND TOWNSHIP	
Elevation Rel	liaDility: Irock:				Site Inito:	002	
Well Depth	. oon.				Concession:	50 <u>2</u>	
Overburden/E	Bedrock:				Concession Name:		
Pump Rate:					Easting NAD83:		
Static Water	Level:				Northing NAD83:		
Flowing (Y/N)	):				Zone:		
Clear/Cloudy					o nivi Reliability:		
Sical/Cloudy.	-						

Map Key Numb Recor	er of ds	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
PDF URL (Map):		https://d2khazk8e83	Brdv.cloudfront.ne	et/moe_mapping/downlo	pads/2Water/Wells_pdfs/153\1532723.pdf	
Additional Detail(s) (M	<u>ap)</u>					
Well Completed Date: Year Completed: Depth (m): Latitude: Longitude: Path:		2002/02/07 2002 79.248 45.5021329007242 -75.4524227308516 153\1532723.pdf	5			
Bore Hole Information						
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: Remarks:	105238 6.00 Improve r Bedrock 07-Feb-	51 ed k -2002 00:00:00		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	91.514587 18 464655.00 5038833.00 N83 3 margin of error : 10 - 30 m	
Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:		1999-2004 MOE Wa GIS10000 Northing and/or Eas Accuracy was not sp scale of 1:10000.	ater Well Data Im ting field has bee becified from sou	provement Project en changed. Location es rce. Within 20m horizor	stimated from sketch map. ttal accuracy assumed as worst case using GIS	S at a
<u>Overburden and Bedreen Materials Interval</u>	<u>ock</u>					
Formation ID: Layer: Color: General Color: Mat1: Most Common Materia Mat2: Mat2 Desc: Mat3 Desc:	11:	932857544 1 05 CLAY				
Formation Top Depth: Formation End Depth: Formation End Depth	UOM:	0.0 6.0 ft				
<u>Overburden and Bedra Materials Interval</u>	<u>ock</u>					
Formation ID: Layer: Color: General Color: Mat1: Most Common Materia Mat2: Mat2 Desc: Mat3 Desc:	11:	932857545 2 GREY 15 LIMESTONE				
Formation Top Depth: Formation End Depth:		6.0 260.0				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation En	d Depth UOM:	ft			
<u>Annular Space</u> <u>Sealing Recor</u>	<u>e/Abandonment</u> r <u>d</u>				
Plug ID:		933225369			
Layer: Plug From:		1			
Plug To:		44			
Plug Depth U	ОМ:	ft			
<u>Method of Col Use</u>	nstruction & Well				
Method Const	truction ID:	961532723			
Method Const Mothod Const	truction Code:	5 Air Percussion			
Other Method	Construction:	AITTEICUSSION			
<u>Pipe Informati</u>	ion				
Pipe ID:		11072421			
Casing No:		1			
Alt Name:					
<u>Construction</u>	Record - Casing				
Casing ID:		930095456			
Layer: Material:		3			
Open Hole or	Material:	OPEN HOLE			
Depth From:					
Depth To: Casing Diame	ter:	6			
Casing Diame	ter UOM:	inch			
Casing Depth	UOM:	ft			
Construction	<u>Record - Casing</u>				
Casing ID:		930095454			
∟ayer: Material:		1 4			
Open Hole or	Material:	OPEN HOLE			
Depth From: Depth To:					
Casing Diame	eter:	8			
Casing Diame	ter UOM:	inch			
Casing Depth		п			
Construction	<u> Record - Casing</u>				
Casing ID:		930095455			
Layer: Material:		∠ 1			
Open Hole or	Material:	STEEL			
Depth From:					
Casing Diame	ter:	6			
Casing Diame	ter UOM:	inch			
Casing Depth	UOM:	tt			

Map Key	Number Record	r of 's	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
<u>49</u>	1 of 1		WSW/225.4	77.2 / -7.33	1154 OLD MONTREA CUMBERLAND ON	L RD lot 28 con 1	WWIS
Well ID: Construction Primary Wat Sec. Water U Final Well St Water Type: Casing Mate Audit No: Tag: Construction Elevation (m Elevation Re Depth to Bed Well Depth: Overburden, Pump Rate: Static Water Flowing (Y/N Flow Rate: Clear/Cloudy	n Date: fer Use: Jse: tatus: tatus: erial: n Method: bliability: drock: /Bedrock: /Bedrock: /Level: J):	1534642 Not Used Abandone Z04891 A004710	ed-Quality		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	6/7/2004 True 1119 3 1154 OLD MONTREAL RD OTTAWA CUMBERLAND TOWNSHIP 028 01 CON	
PDF URL (M	ap):		https://d2khazk8e83	3rdv.cloudfront.ne	et/moe_mapping/downloads/	/2Water/Wells_pdfs/153\1534642.pdf	
<u>Additional D</u> Well Comple Year Comple Depth (m): Latitude: Longitude: Path:	etail(s) (Ma eted Date: eted:	<u>(a)</u>	2004/04/06 2004 45.4941870323157 -75.4675379973216 153\1534642.pdf	6			

## Bore Hole Information

Bore Hole ID:	11104908	Elevation:	74.444313
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:	_	East83:	463469.00
Code OB Desc:	No formation data	North83:	5037957.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	5
Date Completed:	06-Apr-2004 00:00:00	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location S	Source:		
Improvement Location I	Method:		
Source Revision Comm	ent:		
Supplier Comment:			

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

Method Construction ID: 961534642 Method Construction Code: 0 Not Known Method Construction: **Other Method Construction:** 

# Order No: 21073001373

Map Key	lap Key Number of Records		r of Direction/ s Distance (m)		Site		DB
Pipe Informa	<u>tion</u>						
Pipe ID: Casing No: Comment: Alt Name:			11109418 1				
<u>50</u>	1 of 1		WSW/231.0	77.2 / -7.33	lot 28 con 1 ON		wwis
Well ID: Construction Primary Wate Sec. Water U Final Well St Water Type: Casing Matel Audit No: Tag: Construction Elevation (m, Elevation Re Depth to Beo Well Depth: Overburden/ Pump Rate: Static Water Flowing (Y/N Flow Rate: Clear/Cloudy	n Date: lse: lse: atus: rial: n Method: ): liability: drock: Bedrock: Level: ):	1513134 Domestic 0 Water Sup	ply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 8/27/1963 True 1504 1 OTTAWA CUMBERLAND TOWNSHIP 028 01 OF	
PDF URL (Ma	ap):	I	https://d2khazk8e83	3rdv.cloudfront.ne	et/moe_mapping/downloads	s/2Water/Wells_pdfs/151\1513134.pdf	
Additional D	etail(s) (Ma	<u>p)</u>					
Well Comple Year Comple Depth (m): Latitude: Longitude: Path:	ted Date: eted:		1963/08/13 1963 20.1168 45.4944110998232 -75.4677727831668 151\1513134.pdf	3			
Bore Hole In	formation						
Bore Hole ID DP2BR: Spatial Statu Code OB: Code OB Des: Open Hole: Cluster Kind Date Comple Remarks: Elevrc Desc: Location Sou Improvement Source Revis Supplier Com	: sc: sc: teted: t Location t Location t Location sion Comm nment:	10035122 53.00 r Bedrock 13-Aug-19 Source: Method: eent:	63 00:00:00		Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	71.379852 18 463450.80 5037982.00 5 margin of error : 100 m - 300 m p5	
<u>Overburden a</u> Materials Inte	and Bedroo	<u>ck</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID: Layer: Color: General Color. Mat1: Most Commor Mat2: Mat2 Desc: Mat3:	: n Material:	931022500 2 2 GREY 15 LIMESTONE			
<i>Mat3 Desc: Formation Top Formation End Formation End</i>	o Depth: 1 Depth: 1 Depth UOM:	53.0 66.0 ft			
<u>Overburden an</u> Materials Inter	nd Bedrock val				
Formation ID: Layer: Color: General Color. Mat1: Most Common Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation Top	: n Material:	931022499 1 3 BLUE 05 CLAY			
Formation Top Formation End Formation End	d Depth: d Depth: d Depth UOM:	53.0 ft			
<u>Method of Cor</u> <u>Use</u>	struction & Well				
Method Const Method Const Method Const Other Method	ruction ID: ruction Code: ruction: Construction:	961513134 7 Diamond			
<u>Pipe Informati</u>	<u>on</u>				
Pipe ID: Casing No: Comment: Alt Name:		10583692 1			
Construction I	Record - Casing				
Casing ID: Layer: Material: Open Hole or I Depth From: Depth To: Casing Diame Casing Diame Casing Depth	Material: ter: ter UOM: UOM:	930062230 2 4 OPEN HOLE 66 2 inch ft			
Construction I	Record - Casing				

Casing ID:

930062229

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Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Layer: Material: Open Hole or Depth From: Depth To: Casing Diamo Casing Diamo Casing Depth	Material: eter: eter UOM: h UOM:	1 1 STEEL 56 2 inch ft				
Results of We	ell Yield Testing					
Pump Test ID Pump Set At: Static Level: Final Level A Recommende Pumping Rate Flowing Rate Recommende Levels UOM: Rate UOM: Water State A Water State A Pumping Tes Pumping Dur Pumping Dur Flowing:	e: fter Pumping: ed Pump Depth: e: ed Pump Rate: After Test Code: After Test: t Method: ation HR: ation MIN:	991513134 32.0 45.0 45.0 8.0 ft GPM 1 CLEAR 1 2 0 No				
Water Details						
Water ID: Layer: Kind Code: Kind: Water Found Water Found	Depth: Depth UOM:	933468635 1 1 FRESH 66.0 ft				
<u>51</u>	1 of 1	W/238.9	68.5 / -16.05	Part Lot 28 Concessio Plan 4R24727 Orléans ON K4A 3N6	n 1 OS Cumberland Part 1	EHS
Order No: Status: Report Type: Report Date: Date Receive Previous Site Lot/Building Additional Int	201808 C Custon 23-AUC d: 13-AUC Name: Size: fo Ordered:	13026 n Report 3-18 3-18		Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	ON .25 -75.468974 45.496013	
<u>52</u>	1 of 1	ENE/239.9	88.9 / 4.39	lot 1 con 1 ON		wwis
Well ID: Construction Primary Wate Sec. Water U Final Well Sta Water Type: Casing Mater Audit No: Tag:	153263 Date: Domes se: Domes intus: Water \$ ial: 237303	13 tic Supply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name:	1 1/10/2002 True 6006 1	

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Order No: 21073001373

Map Key Number Records	r of s	Direction/ Distance (m)	Elev/Diff (m)	Site	D	B
Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:				County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	OTTAWA CUMBERLAND TOWNSHIP 001 01 OF	
PDF URL (Map):		https://d2khazk8e83	rdv.cloudfront.ne	et/moe_mapping/downloads	/2Water/Wells_pdfs/153\1532633.pdf	
<u>Additional Detail(s) (Ma</u> Well Completed Date: Year Completed: Depth (m): Latitude: Longitude: Path:	<u>o)</u>	2001/12/15 2001 59.436 45.5002931923569 -75.4510256203364 153\1532633.pdf				
Bore Hole Information						
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: Remarks: Elevrc Desc: Location Source Date: Improvement Location S Improvement Location I Source Revision Comme Supplier Comment:	1052376 5.00 Improve r Bedrock 15-Dec- Source: Method: ent:	d 2001 00:00:00 1999-2004 MOE Wa GIS10000 Lot field has been ch well on sketch, move Accuracy was not sp scale of 1:10000.	ter Well Data Im nanged. Reasona ed well close to g becified from sou	Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method: provement Project ably sure well location match jiven RD names only rce. Within 20m horizontal a	88.968872 18 464763.00 5038628.00 N83 3 margin of error : 10 - 30 m hes sketch map (similar features).no indication accuracy assumed as worst case using GIS at	of a
Overburden and Bedroc Materials Interval Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2 Mat2 Desc: Mat3 Desc: Formation Top Depth: Formation End Depth U	<u>ек</u> ОМ:	932857343 2 2 GREY 15 LIMESTONE 73 HARD 5.0 195.0 ft				

Overburden and Bedrock Materials Interval

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		932857342			
Layer:		1			
Color:		6			
General Color		BROWN			
Mat1:		05			
Most Commo	n Material:				
Matz: Mat2 Doco:					
Mat2 Desc. Mat3.		77			
Mat3 Desc:		LOOSE			
Formation To	p Depth:	0.0			
Formation En	d Depth:	5.0			
Formation En	d Depth UOM:	ft			
<u>Annular Spac</u> Sealing Recor	e/Abandonment_ rd				
Plua ID [.]		933225293			
Layer:		1			
Plug From:		0			
Plug To:		40			
Plug Depth U	ОМ:	ft			
<u>Method of Co. Use</u>	nstruction & Well				
Method Const	truction ID:	961532633			
Method Const	truction Code:	1			
Method Const	truction:	Cable Tool			
Other Method	Construction:				
Pipe Informat	ion				
Pipe ID:		11072332			
Casing No:		1			
Comment:					
Alt Name:					
<b>Construction</b>	<u>Record - Casing</u>				
Casing ID:		930095264			
Layer:		1			
Material:		1			
Open Hole or	Material:	STEEL			
Depth From:					
Depth 10: Casing Diama	tor:	6			
Casing Diame	ter. Mom	inch			
Casing Depth	UOM:	ft			
<u>Construction</u>	Record - Casing				
Casing ID:		930095265			
Layer:		2			
Material:		4			
Open Hole or	Material:	OPEN HOLE			
Depth From:					
Deptri 10: Casing Diama	tor:	6			
Casing Diaine	ter UOM·	inch			
Casing Danie	UOM:	ft			
		-			

### Results of Well Yield Testing

Pump Test ID:	991532633
Pump Set At:	
Static Level:	20.0
Final Level After Pumping:	190.0
Recommended Pump Depth:	190.0
Pumping Rate:	3.0
Flowing Rate:	
Recommended Pump Rate:	2.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	3
Pumping Duration MIN:	0
Flowing:	No

### Draw Down & Recovery

Pump Test Detail ID:	934400478
Test Type:	Recovery
Test Duration:	30
Test Level:	100.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934918859
Test Type:	Recovery
Test Duration:	60
Test Level:	40.0
Test Level UOM:	ft

### Draw Down & Recovery

Pump Test Detail ID:	934117423
Test Type:	Recovery
Test Duration:	15
Test Level:	150.0
Test Level UOM:	ft

### Draw Down & Recovery

Pump Test Detail ID:	934661558
Test Type:	Recovery
Test Duration:	45
Test Level:	50.0
Test Level UOM:	ft

#### Water Details

Water ID:	934016280
Laver:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	150.0
Water Found Depth UOM:	ft

Map Key	Number Record	r of Direction/ s Distance (m)	Elev/Diff (m)	Site		DB
<u>53</u>	1 of 1	W/245.2	67.3 / -17.27	1123 Old Montreal Rd Ottawa ON K4A3N6		EHS
Order No: Status: Report Type Report Date Date Receiv Previous Sit Lot/Building Additional Ir	: : ed: e Name: Size: nfo Ordered	20180323180 C Standard Report 02-APR-18 23-MAR-18		Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	ON .25 -75.469172 45.496312	

# Unplottable Summary

### Total: 64 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
СА	CUMBERLAND TOWNSHIP	OLD MONTREAL RD./BECKETT'S CK.	CUMBERLAND TWP. ON	
СА	R.M. OF OTTAWA-CARLETON	CUMMINGS BRIDGE, LOT C/CON.D	OTTAWA CITY ON	
ECA	SNC-Lavalin Constructors (Pacific) Inc., Dragados Canada, Inc. and EllisDon	Corporation Along Queen Street and in vicinity of West and East Portal Locations	Ottawa ON	K1Z 1G3
GEN	NATIONAL CAPITAL COMMISSION	LOT 25,26,27	OTTAWA ON	K1P 1C7
RSC		Part Lot 23	Ottawa ON	
RSC		Part Lot 23, Township of Gloucester	Ottawa ON	
SPL	Stinson Fuels <unofficial></unofficial>	just west of Wilhaven Dr.	Ottawa ON	
SPL	OLRT Constructors	Road allowance between Broken Front Concessions C and D in front of Lot D geographic township of Nepean	Ottawa ON	
SPL	Enbridge Gas Distribution Inc.	Queen Street	Ottawa ON	
SPL	PAUL'S BACKHOE SERVICE	HWY 34 NORTH 5 - 5.5 MILES NORTH OF HWY 417 EAST 333 CHAMPLAIN ST., HAWKESBURY, ONT.	OTTAWA CITY ON	
WWIS		lot 24	ON	
WWIS		lot 23	ON	
WWIS		lot 24	ON	
WWIS		lot 28	ON	
WWIS		lot 28	ON	
WWIS		lot 26	ON	

WWIS	lot 27	ON
WWIS	lot 25	ON
WWIS	lot 27	ON
WWIS	lot 26	ON
WWIS	lot 26	ON
WWIS	lot 26	ON
WWIS	lot 23	ON
WWIS	lot 26	ON
WWIS	lot 25	ON
WWIS	lot 27	ON
WWIS	lot 28	ON
WWIS	lot 27	ON
WWIS	lot 26	ON
WWIS	lot 25	ON
WWIS	lot 28	ON
WWIS	lot 25	ON
WWIS	lot 28	ON
WWIS	lot 23	ON
WWIS	lot 28	ON
WWIS	lot 23	ON
WWIS	lot 27	ON
WWIS	lot 23	ON
WWIS	lot 26	ON
WWIS	lot 23	ON

WWIS	lot 28	ON
WWIS	lot 28	ON
WWIS	lot 25	ON
WWIS	lot 24	ON
WWIS	lot 27	ON
WWIS	lot 27	ON
WWIS	lot 24	ON
WWIS	lot 27	ON
WWIS	lot 28	ON
WWIS	lot 24	ON
WWIS	lot 23	ON
WWIS	lot 23	ON
WWIS	lot 28	ON
WWIS	lot 24	ON
WWIS	lot 24	ON
WWIS	lot 23	ON
WWIS	lot 28	ON
WWIS	lot 26	ON
WWIS	lot 25	ON
WWIS	lot 28	ON
WWIS	lot 26	ON
WWIS	lot 26	ON
WWIS	lot 25	ON

## **Unplottable Report**

#### <u>Site:</u> CUMBERLAND TOWNSHIP OLD MONTREAL RD./BECKETT'S CK. CUMBERLAND TWP. ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 3-0306-95-95 4/20/1995 Municipal sewage Approved

#### <u>Site:</u> R.M. OF OTTAWA-CARLETON CUMMINGS BRIDGE, LOT C/CON.D OTTAWA CITY ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: 3-0350-96-96 6/20/1996 Municipal sewage Approved

<u>Site:</u> SNC-Lavalin Constructors (Pacific) Inc., Dragados Canada, Inc. and EllisDon Corporation Along Queen Street and in vicinity of West and East Portal Locations Ottawa ON K1Z 1G3

Approval No:	9689-AM3NJL	MOE District:
Approval Date:	2017-11-22	City:
Status:	Approved	Longitude:
Record Type:	ECA	Latitude:
Link Source:	IDS	Geometry X:
SWP Area Name:		Geometry Y:
Approval Type:	ECA-MUNICIPAL A	ND PRIVATE SEWAGE WORKS
Project Type:	MUNICIPAL AND P	RIVATE SEWAGE WORKS
Business Name:	SNC-Lavalin Constr	uctors (Pacific) Inc., Dragados Canada, Inc. and EllisDon Corporation
Address:	Along Queen Street	and in vicinity of West and East Portal Locations
Full Address:	-	
Full PDF Link:	https://www.accesse	nvironment.ene.gov.on.ca/instruments/0219-AGVQPH-14.pdf

#### <u>Site:</u> NATIONAL CAPITAL COMMISSION LOT 25,26,27 OTTAWA ON K1P 1C7

 Generator No:
 ON9920165
 PO Box No:

 Status:
 Country:



Database: ECA

Database:

GEN

Database:

Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description: 2010

712190 Other Heritage Institutions

#### Detail(s)

Waste Class: Waste Class Desc:

### LIGHT FUELS

221

#### Site:

Part Lot 23 Ottawa ON

RSC ID: RA No: RSC Type: Curr Property Use: Ministry District: Ottawa Filing Date: 07/05/01 08/14/01 Date Ack: Date Returned: Generic Restoration Type: Medium/Fine Soil Type: Criteria: Res/parkland + Nonpotable **CPU Issued Sect** 1686: Asmt Roll No: Prop ID No (PIN): Property Municipal Address: Mailing Address: Latitude & Latitude: UTM Coordinates: DST Consulting Engineers Inc. Consultant: Legal Desc: Measurement Method: Applicable Standards: RSC PDF:

Cert Date: Cert Prop Use No: Intended Prop Use: Qual Person Name: Stratified (Y/N): N Audit (Y/N): Entire Leg Prop. (Y/N): Accuracy Estimate: Telephone: Fax: Email:

Choice of Contact:

Phone No Admin:

Co Admin:

#### <u>Site:</u>

Part Lot 23, Township of Gloucester Ottawa ON

RSC ID: RA No: RSC Type: Curr Property Use: Ministry District: Ottawa 07/05/01 Filing Date: Date Ack: 07/23/01 Date Returned: Restoration Type: Soil Type: Criteria: **CPU Issued Sect** 1686: Asmt Roll No: Prop ID No (PIN): Property Municipal Address: Mailing Address: Latitude & Latitude: UTM Coordinates: DST Consulting Engineers Inc. Consultant: Legal Desc: Measurement Method: Applicable Standards: RSC PDF:

Cert Date: Cert Prop Use No: Intended Prop Use: Qual Person Name: Stratified (Y/N): Audit (Y/N): Entire Leg Prop. (Y/N): Accuracy Estimate: Telephone: Fax: Email: Database: RSC

Database:

RSC

#### <u>Site:</u> Stinson Fuels <UNOFFICIAL> just west of Wilhaven Dr. Ottawa ON

Database: SPL

Ref No:	1011-8MSV83	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	10/19/2011	Health/Env Conseg:	
Year:		Client Type:	
Incident Cause:	Container Leak (Fuel Tank Barrels)	Sector Type:	Tank Truck
Incident Event:		Agency Involved:	
Contaminant Code:	13	Nearest Watercourse:	
Contaminant Name:	FURNACE OIL	Site Address:	just west of Wilhaven Dr.
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	Not Anticipated	Site Municipality:	Ottawa
Nature of Impact:		Site Lot:	
Receiving Medium:		Site Conc:	
Receiving Env:		Northing:	
MOE Response:	No Field Response	Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	10/19/2011	Site Map Datum:	
Dt Document Closed:	11/19/2011	SAC Action Class:	Land Spills
Incident Reason:	Other - Reason not otherwise defined	Source Type:	
Site Name:	on Millburn Crescent <unofficial></unofficial>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Stinson Fuels -5 L furnace oil and 4 L c	of diesel to ground.	
Contaminant Qty:	5 L		

Site: OLRT Constructors

Road allowance between Broken Front Concessions C and D in front of Lot D geographic township of Nepean Ottawa ON

Ref No:	2862-9XEKED	Discharger Report:	
Site No:	0706-92ET4A	Material Group:	
Incident Dt:	6/12/2015	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	Leak/Break	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:	15	Nearest Watercourse:	
Contaminant Name:	HYDRAULIC OIL	Site Address:	Road allowance between Broken Front Concessions C and D in front of Lot D geographic township of Nepean
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	NA
Contaminant UN No 1:		Site Region:	
Environment Impact:		Site Municipality:	Ottawa
Nature of Impact:	Land	Site Lot:	
Receiving Medium:		Site Conc:	
Receiving Env:		Northing:	5030149
MOE Response:	Ν	Easting:	446343
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	GIS Software
MOE Reported Dt:	6/12/2015	Site Map Datum:	NAD83
Dt Document Closed:		SAC Action Class:	Land Spills
Incident Reason:	Equipment Failure	Source Type:	
Site Name:	Ottawa Light Rail Transit - East Portal		
Site County/District:	-		
Site Geo Ref Meth:	1-10 metres eg. Good Quality GPS		
Incident Summary:	OLRT: hyd oil to grd, ctnd clng 2 L		
Contaminant Qty:	2 L		

#### <u>Site:</u> Enbridge Gas Distribution Inc. Queen Street Ottawa ON

0238-62NQJF

Discharger Report:

Site No: Incident Dt: Year:	7/7/2004	Material Group: Health/Env Conseq: Client Type:	Gases/Particulate
Incident Cause: Incident Event:	Pipe Or Hose Leak	Sector Type: Agency Involved:	Pipeline
Contaminant Code: Contaminant Name:	35 NATURAL GAS (METHANE)	Nearest Watercourse: Site Address:	-
Contaminant Limit 1: Contam Limit Freq 1:		Site District Office: Site Postal Code:	Ottawa
Contaminant UN No 1: Environment Impact:	Not Anticipated	Site Region: Site Municipality:	Eastern Ottawa
Nature of Impact: Receiving Medium: Receiving Env:	Air	Site Lot: Site Conc: Northing:	
MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt:	7/7/2004	Easting: Site Geo Ref Accu: Site Map Datum:	
Dt Document Closed: Incident Reason:	Error- Operator error	SAC Action Class: Source Type:	M.C.B.S Fuel Safety
Site Name: Site County/District: Site Geo Ref Meth:	QUEEN STREET <unofficial></unofficial>		
Incident Summary: Contaminant Qty:	Queen St.: 4" Gas main hit, evacuation	ns	

<u>Site:</u> PAUL'S BACKHOE SERVICE HWY 34 NORTH 5 - 5.5 MILES NORTH OF HWY 417 EAST 333 CHAMPLAIN ST., HAWKESBURY, ONT. OTTAWA CITY ON

Ref No: Site No:	224046	Discharger Report: Matorial Group:	
Incident Dt:	4/15/2002	Health/Env Conseg:	
Year:		Client Type:	
Incident Cause:	UNKNOWN	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	POSSIBLE	Site Municipality:	20107
Nature of Impact:	Soil contamination	Site Lot:	
Receiving Medium:	LAND / WATER	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	4/15/2002	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	UNKNOWN	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary: Contaminant Qty:	PAUL'S BACKHOE SERVICE SPILL U	NKNOWN VOL OF GAS & W	VATER, CONTAINED

Site: lot 24 ON

Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No:

Domestic Water Supply 44248

1523895

Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner:

1 10/12/1989 True 1517 1

157

Order No: 21073001373

Database: WWIS Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

#### Bore Hole Information

Bore Hole ID: 10045667 DP2BR: 30.00 Spatial Status: Code OB: r Code OB Desc: Bedrock **Open Hole:** Cluster Kind: Date Completed: 14-Sep-1989 00:00:00 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method:

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

OTTAWA CUMBERLAND TOWNSHIP

024

 10045667
 Elevation:

 30.00
 Elevrc:

 Zone:
 18

 r
 East83:

 Bedrock
 North83:

 Org CS:
 UTMRC:

 UTMRC:
 9

 14-Sep-1989 00:00:00
 UTMRC Desc:
 unknown UTM

 Location Method:
 na

#### Overburden and Bedrock Materials Interval

Source Revision Comment: Supplier Comment:

Formation ID:	931056118
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	30.0
Formation End Depth:	295.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID:	931056116
Laver:	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:	18.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID:	931056117
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	18.0
Formation End Depth:	30.0
Formation End Depth UOM:	ft

### <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

Plug ID:	933110465
Layer:	1
Plug From:	0
Plug To:	41
Plug Depth UOM:	ft

#### Method of Construction & Well Use

Method Construction ID:	961523895
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

### Pipe Information

Pipe ID:	10594237
Casing No:	1
Comment:	
Alt Name:	

### Construction Record - Casing

Casing ID:	930079936
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	41
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

### Results of Well Yield Testing

991523895
275.0
280.0
8.0
6.0
ft
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:	934909064
Test Type:	
Test Duration:	60
Test Level:	275.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934390886
Test Type:	
Test Duration:	30
Test Level:	250.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934651860
Test Type:	
Test Duration:	45
Test Level:	275.0
Test Level UOM:	ft

### Draw Down & Recovery

Pump Test Detail ID:	934106657
Test Type:	
Test Duration:	15
Test Level:	200.0
Test Level UOM:	ft

### Water Details

Water ID:	933482333	
Layer:	1	
Kind Code:	1	
Kind:	FRESH	
Water Found Depth:	240.0	
Water Found Depth UOM:	ft	
•		

### <u>Site:</u>

Site:				Database:
lot 23 Ol	V			WWIS
Well ID:	1523836	Data Entry Status:		
Construction Date:		Data Src:	1	
Primary Water Use	: Domestic	Date Received:	9/6/1989	
Sec. Water Use:		Selected Flag:	True	
Final Well Status:	Water Supply	Abandonment Rec:		
Water Type:		Contractor:	3749	
Casing Material:		Form Version:	1	
Audit No:	68219	Owner:		
Tag:		Street Name:		
Construction Meth	od:	County:	OTTAWA	
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP	
Elevation Reliabilit	v:	Site Info:		
Depth to Bedrock:	-	Lot:	023	

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

#### Bore Hole Information

Bore Hole ID:

Spatial Status:

Code OB Desc:

DP2BR:

Code OB:

**Open Hole:** 

. Cluster Kind: 10045609 0.00 h Mixed in a Layer

22-Aug-1989 00:00:00

Date Completed: 22-Aug-Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

### Overburden and Bedrock Materials Interval

Formation ID:	931055900
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	26
Mat2 Desc:	ROCK
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	0.0
Formation End Depth:	14.0
Formation End Depth UOM:	ft

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

Formation ID:	931055901
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	14.0
Formation End Depth:	315.0
Formation End Depth UOM:	ft

#### <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

 Plug ID:
 933110437

 Layer:
 1

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

Elevation:Elevrc:Zone:18East83:North83:Org CS:UTMRC:9UTMRC Desc:unknown UTMLocation Method:na

Plug From:	4
Plug To:	41
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961523836
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

#### Pipe Information

Pipe ID:	10594179
Casing No:	1
Comment:	
Alt Name:	

### Construction Record - Casing

Casing ID: Layer: Material:	930079826 1
Material: Open Hole or Material:	STEEL
Depth From:	01222
Depth To:	41
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

### Results of Well Yield Testing

Pump Test ID: Pump Set At:	991523836
Static Level:	
Final Level After Pumping:	200.0
Recommended Pump Depth:	300.0
Pumping Rate:	8.0
Flowing Rate:	
Recommended Pump Rate:	6.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	15
Flowing:	No

### Draw Down & Recovery

Pump Test Detail ID:	934651811
Test Type:	Draw Down
Test Duration:	45
Test Level:	200.0
Test Level UOM:	ft

#### Water Details

Water ID:	933482251
Layer:	2
Kind Code:	1
Kind:	FRESH

Water Found Depth:	230.0
Water Found Depth UOM:	ft

### Water Details

Water ID:	933482252
Layer:	3
Kind Code:	1
Kind:	FRESH
Water Found Depth:	280.0
Water Found Depth UOM:	ft

#### Water Details

Water ID:	933482253
Layer:	4
Kind Code:	1
Kind:	FRESH
Water Found Depth:	305.0
Water Found Depth UOM:	ft

### Water Details

Water ID:	933482250
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	160.0
Water Found Depth UOM:	ft

### Site:

lot 24 ON

### Database: WWIS

Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:	1531870 Domestic Water Supply 215692	Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 5/23/2001 True 1517 1 OTTAWA CUMBERLAND TOWNSHIP 024
Bore Hole Information			
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: Remarks:	10053404 35.00 r Bedrock 24-Apr-2001 00:00:00	Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	18 9 unknown UTM na

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

#### Overburden and Bedrock Materials Interval

Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3:	931079767 4 2 GREY 15 LIMESTONE 26 ROCK
<i>Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:</i>	35.0 120.0 ft

#### Overburden and Bedrock Materials Interval

Formation ID:	931079764
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:	7.0
Formation End Depth UOM:	ft

## Overburden and Bedrock

Materials Interval

Formation ID:	931079766
Layer:	3
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	25.0
Formation End Depth:	35.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

931079765
2
6
BROWN

14
HARDPAN
7.0
25.0
ft

### Annular Space/Abandonment Sealing Record

Plug ID:	933117005
Layer:	1
Plug From:	0
Plug To:	35
Plug Depth UOM:	ft

### Method of Construction & Well Use

Method Construction ID:	961531870
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

### Pipe Information

Pipe ID:	10601974
Casing No:	1
Comment:	
Alt Name:	

### Construction Record - Casing

930093579
1
1
STEEL
6
inch
ft

### Results of Well Yield Testing

Pump Test ID:	991531870
Pump Set At:	
Static Level:	6.0
Final Level After Pumping:	40.0
Recommended Pump Depth:	60.0
Pumping Rate:	30.0
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:	30
Flowing:	No

#### Draw Down & Recovery

Pump Test Detail ID:	934658781
Test Type:	Draw Down
Test Duration:	45
Test Level:	38.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934398818
Test Type:	Draw Down
Test Duration:	30
Test Level:	35.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934114646
Test Type:	Draw Down
Test Duration:	15
Test Level:	30.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934915532
Test Type:	Draw Down
Test Duration:	60
Test Level:	40.0
Test Level UOM:	ft

#### Water Details

Water ID:	933492478
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	118.0
Water Found Depth UOM:	ft

#### Site:

lot 28 ON

1523901

Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate:

Water Supply 44263

Domestic

Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:

Data Entry Status:

1 10/12/1989 True 1517

OTTAWA CUMBERLAND TOWNSHIP

028

1

Clear/Cloudy:

Database:

WWIS

### Bore Hole Information

Bore Hole ID:	10045673
DP2BR:	35.00
Spatial Status:	
Code OB:	r
Code OB Desc:	Bedrock
Open Hole:	
Cluster Kind:	
Date Completed:	06-Sep-1989 00:00:00
Remarks:	
Elevic Desc:	
Location Source Date:	Sources
	Source. Mothod:
Source Pevision Comm	ent.
Supplier Comment:	
Supplier Commenti	
Overburden and Bedroo	<u>:k</u>
Materials Interval	
Formation (D.	021056140
Formation ID:	931000140 2
Layer. Color:	2
Color: Conoral Color:	
Mat1:	05
Most Common Material	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12.0
Formation End Depth:	27.0
Formation End Depth U	OM: ft
Overburden and Redroc	≻k
Materials Interval	<u>m</u>
<u></u>	
Formation ID:	931056139
Layer:	1
Color:	7
General Color:	RED
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Matz Desc:	
Mals. Mats Desc:	
Formation Top Depth:	0.0
Formation Fnd Depth:	12.0
Formation End Depth U	OM: ft
Overburden and Bedroo	<u>:K</u>
<u>Iviateriais intervai</u>	
Formation ID.	931056141
Laver:	3
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	12

Elevation: Elevrc:	
Zone:	18
East83:	
North83:	
Org CS:	
UTMRC:	9
UTMRC Desc:	unknown UTM
Location Method:	na

Mat3 Desc:	STONES
Formation Top Depth:	27.0
Formation End Depth:	35.0
Formation End Depth UOM:	ft

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

Formation ID:	931056142
Layer:	4
Color:	8
General Color:	BLACK
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	35.0
Formation End Depth:	50.0
Formation End Depth UOM:	ft

### <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

Plug ID:	933110471
Layer:	1
Plug From:	2
Plug To:	35
Plug Depth UOM:	ft

#### Method of Construction & Well Use

Method Construction ID:	961523901
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	,

### Pipe Information

Pipe ID:	10594243
Casing No:	1
Comment:	
Alt Name:	

### Construction Record - Casing

Casing ID:	930079942
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	35
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

### Results of Well Yield Testing

Pump Test ID: Pump Set At:	991523901
Static Level: Final Level After Pumping:	30.0

Recommended Pump Depth:	35.0
Pumping Rate:	45.0
Flowing Rate:	
Recommended Pump Rate:	25.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

#### Draw Down & Recovery

Pump Test Detail ID:	934106662
Test Type:	
Test Duration:	15
Test Level:	25.0
Test Level UOM:	ft

#### Draw Down & Recovery

934909069
60
30.0
ft

#### Draw Down & Recovery

Pump Test Detail ID:	934390891
Test Type:	
Test Duration:	30
Test Level:	28.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934651865
Test Type:	
Test Duration:	45
Test Level:	30.0
Test Level UOM:	ft

#### Water Details

Water ID:	933482338
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	48.0
Water Found Depth UOM:	ft

#### Site:

lot 28 ON

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

Domestic Water Supply

1523902

Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version:

1 10/12/1989 True 1517

1

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Database: WWIS Audit No: 44243 Owner: Street Name: Tag: Construction Method: OTTAWA County: Elevation (m): Municipality: CUMBERLAND TOWNSHIP Elevation Reliability: Site Info: Depth to Bedrock: Lot: 028 . Well Depth: Concession: Overburden/Bedrock: Concession Name: Easting NAD83: Pump Rate: Static Water Level: Northing NAD83: Flowing (Y/N): Zone: Flow Rate: UTM Reliability: Clear/Cloudy:

### Bore Hole Information

10045674 Bore Hole ID: Elevation: DP2BR: 31.00 Elevrc: Spatial Status: Zone: 18 Code OB: East83: r Code OB Desc: Bedrock North83: Org CS: **Open Hole:** Cluster Kind: UTMRC: 9 06-Sep-1989 00:00:00 Date Completed: UTMRC Desc: unknown UTM Remarks: Location Method: na

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

#### Overburden and Bedrock Materials Interval

Formation ID:	931056143
Layer:	1
Color:	7
General Color:	RED
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	11.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID:	931056145
Layer:	3
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	26.0
Formation End Depth:	31.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID: Layer: Color: General Color:	931056144 2 2 GREY
Mat1:	05
Most Common Material:	CLAY
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	11.0
Formation End Depth:	26.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3:	931056146 4 8 BLACK 15 LIMESTONE
Mat3 Desc:	
Formation Top Depth:	31.0
Formation End Depth:	45.0
Formation End Depth UOM:	ft

#### <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

Plug ID:	933110472
Layer:	1
Plug From:	2
Plug To:	31
Plug Depth UOM:	ft

#### Method of Construction & Well Use

Method Construction ID:	961523902
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	• • •

### Pipe Information

Pipe ID:	10594244
Casing No:	1
Comment:	
Alt Name:	

### Construction Record - Casing

Casing ID:	930079943
Layer:	1
Material:	1
Open Hole or Material:	STEEL

Depth From:	
Depth To:	31
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

### Results of Well Yield Testing

Pump Test ID: Pump Set At:	991523902
Static Level:	
Final Level After Pumping:	35.0
Recommended Pump Depth:	35.0
Pumping Rate:	50.0
Flowing Rate:	
Recommended Pump Rate:	30.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	1
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

#### Draw Down & Recovery

Pump Test Detail ID:	934390892
Test Type:	
Test Duration:	30
Test Level:	30.0
Test Level UOM:	ft

### Draw Down & Recovery

Pump Test Detail ID:	934106663
Test Type:	
Test Duration:	15
Test Level:	28.0
Test Level UOM:	ft

### Draw Down & Recovery

Pump Test Detail ID:	934909070
Test Type:	
Test Duration:	60
Test Level:	35.0
Test Level UOM:	ft

### Draw Down & Recovery

Pump Test Detail ID:	934651866
Test Type:	
Test Duration:	45
Test Level:	35.0
Test Level UOM:	ft

### Water Details

Water ID:	933482339
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	42.0

Site: lot 26 ON

Well ID: **Construction Date:** Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Tag: **Construction Method:** Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

## 1523909 Domestic Commerical Water Supply 67103

ft

Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:

Data Entry Status:

1 10/4/1989 True 2351 1

OTTAWA CUMBERLAND TOWNSHIP

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### Bore Hole Information

Bore Hole ID:	10045681	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:	0	East83:	
Code OB Desc:	Overburden	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	25-Sep-1989 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			

Overburden and Bedrock Materials Interval

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

Formation ID:	931056168
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	11.0
Formation End Depth UOM:	ft

#### **Overburden and Bedrock** Materials Interval

931056170 Formation ID: Layer: 3

Database: **WWIS** 

Color: General Color:	8 BLACK
Mat1: Most Common Material:	GRAVEL
Mat2: Mat2 Desc:	29 FINE GRAVEL
Mat3: Mat3 Desc:	
Formation Top Depth: Formation End Depth:	64.0 70.0
Formation End Depth UOM:	ft
Overburden and Bedrock	
<u>materials interval</u>	
Formation ID: Laver:	931056169 2
Color:	3
General Color: Mat1:	BLUE 05
Most Common Material:	CLAY
Mat2: Mat2 Desc:	
Mat3:	
Mat3 Desc: Formation Top Depth:	11.0
Formation End Depth:	64.0
Formation End Depth UOM:	ft
Method of Construction & Well Use	
Method Construction ID:	961523909
Method Construction Code: Method Construction:	1 Cable Tool
Other Method Construction:	
Pipe Information	
Pipe ID:	10594251
Casing No: Comment:	1
Alt Name:	
Construction Record - Casing	
Casing ID:	930079950
Layer: Material:	1
Open Hole or Material:	STEEL
Depth From: Depth To:	70
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	π
Results of Well Yield Testing	
Pump Test ID:	991523909

991523909
32.0
56.0
62.0
35.0

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:	2
Pumping Duration HR:	1
Pumping Duration MIN:	35
Flowing:	No

### Draw Down & Recovery

Pump Test Detail ID:	934390899
Test Type:	Draw Down
Test Duration:	30
Test Level:	48.0
Test Level UOM:	ft

### Draw Down & Recovery

Pump Test Detail ID:	934651873	
Test Type:	Draw Down	
Test Duration:	45	
Test Level:	55.0	
Test Level UOM:	ft	

### Draw Down & Recovery

Pump Test Detail ID:	934909077
Test Type:	Draw Down
Test Duration:	60
Test Level:	56.0
Test Level UOM:	ft

### Draw Down & Recovery

Pump Test Detail ID:	934106670
Test Type:	Draw Down
Test Duration:	15
Test Level:	39.0
Test Level UOM:	ft

### Water Details

Water ID:	933482346
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	70.0
Water Found Depth UOM:	ft

### <u>Site:</u>

lot 27 ON

Well ID:	1524452	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	5/3/1990
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	6006
Casing Material:		Form Version:	1
Audit No:	53612	Owner:	
Tag:		Street Name:	
<b>Construction Method:</b>		County:	OTTAWA

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Database: WWIS Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: . Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

#### Bore Hole Information

10046202 Bore Hole ID: DP2BR: 43.00 Spatial Status: . Code OB: r Code OB Desc: Bedrock **Open Hole:** Cluster Kind: Date Completed: 06-Apr-1990 00:00:00 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### **Overburden and Bedrock** Materials Interval

Formation ID:	931057971
l aver:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	15.0
Formation End Depth:	28.0
Formation End Depth UOM:	ft

#### **Overburden and Bedrock** Materials Interval

Formation ID:	931057972
Layer:	3
Color:	8
General Color:	BLACK
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	73
Mat2 Desc:	HARD
Mat3:	
Mat3 Desc:	
Formation Top Depth:	28.0
Formation End Depth:	43.0
Formation End Depth UOM:	ft

## **Overburden and Bedrock**

Materials Interval

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

#### CUMBERLAND TOWNSHIP

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Elevation: Elevrc: Zone: 18 East83: North83: Org CS: UTMRC: 9 UTMRC Desc: unknown UTM Location Method: na

Formation ID:	931057973
Layer:	4
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	43.0
Formation End Depth:	44.0
Formation End Depth UOM:	ft

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

Formation ID:	931057970
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	0.0
Formation End Depth:	15.0
Formation End Depth UOM:	ft

### Annular Space/Abandonment Sealing Record

933110747
1
0
20
ft

#### Method of Construction & Well Use

Method Construction ID:	961524452
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

### Pipe Information

Pipe ID:	10594772
Casing No:	1
Comment:	
Alt Name:	

### Construction Record - Casing

Casing ID:	930080907
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	44
Casing Diameter:	6

Casing Diameter UOM:	inch
Casing Depth UOM:	ft

### Construction Record - Casing

Casing ID: Layer: Material:	930080906 1
Malerial. Open Hole or Material:	STEEL
Depth From:	OTELL
Depth To:	43
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

### Results of Well Yield Testing

991524452
5.0
15.0
40.0
15.0
10.0
ft
GPM
1
CLEAR
2
2
0
No

#### Draw Down & Recovery

Pump Test Detail ID:	934393058
Test Type:	
Test Duration:	30
Test Level:	15.0
Test Level UOM:	ft

### Draw Down & Recovery

Pump Test Detail ID:	934902406
Test Type:	
Test Duration:	60
Test Level:	15.0
Test Level UOM:	ft

### Draw Down & Recovery

Pump Test Detail ID:	934108831
Test Type:	
Test Duration:	15
Test Level:	15.0
Test Level UOM:	ft

### Draw Down & Recovery

ump Test Detail ID: 934653605	
Test Type:	
Test Duration:	45
Test Level:	15.0

Test Level UOM:

ft

#### Water Details

933483094
1
1
FRESH
43.0
ft

### Site:

lot 25 ON

Wall ID:	152//55	Data Entry Status	
Construction Date:	1024400	Data Entry Status. Data Src:	1
Primary Water Use	Domestic	Data Gre.	5/1/1990
Sec Water Use	Domoduo	Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	1100
Water Type	mater eappry	Contractor	2351
Casing Material		Form Version	1
Audit No:	67142	Owner:	
Tag:	0	Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	025
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			
•			

### Bore Hole Information

Bore Hole ID: DP2BR:	10046205 14.00	Elevation: Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	28-Feb-1990 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			

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

#### Overburden and Bedrock Materials Interval

Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc:

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931057982

2

3

17 SHALE

BLUE

Database:

WWIS

Formation Top Depth:	14.0
Formation End Depth:	84.0
Formation End Depth UOM:	ft

### Overburden and Bedrock Materials Interval

Formation ID:	931057981
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	14.0
Formation End Depth UOM:	ft

#### <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

Plug ID:	933110749
Layer:	1
Plug From:	4
Plug To:	37
Plug Depth UOM:	ft

#### Method of Construction & Well Use

Method Construction ID:	961524455
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

### Pipe Information

Pipe ID:	10594775
Casing No:	1
Comment:	
Alt Name:	

### Construction Record - Casing

Casing ID:	930080911
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	37
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

### Results of Well Yield Testing

Pump Test ID:	991524455
Pump Set At:	
Static Level:	19.0
Final Level After Pumping:	80.0
Recommended Pump Depth:	80.0
Pumping Rate:	6.0
------------------------------	--------
Flowing Rate:	
Recommended Pump Rate:	3.0
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:	35
Flowing:	No

# Draw Down & Recovery

Pump Test Detail ID:	934108834
Test Type:	
Test Duration:	15
Test Level:	64.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934653608
Test Type:	
Test Duration:	45
Test Level:	80.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934902409
Test Type:	
Test Duration:	60
Test Level:	80.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934393061
Test Type:	
Test Duration:	30
Test Level:	78.0
Test Level UOM:	ft

# Water Details

Water ID:	933483097
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	73.0
Water Found Depth UOM:	ft

# <u>Site:</u>

lot 27 ON

Well ID: Construction Date:	1524477	Data Entry Status:	1
Primary Water Use:	Domestic	Date Received:	5/22/1990
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1517
Casing Material:		Form Version:	1
Audit No:	66786	Owner:	

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Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

#### Bore Hole Information

Bore Hole ID: 10046227 Elevation: DP2BR: 6.00 Elevrc: Spatial Status: Zone: Code OB: East83: r Code OB Desc: Bedrock North83: **Open Hole:** Org CS: Cluster Kind: UTMRC: Date Completed: 13-Mar-1990 00:00:00 UTMRC Desc: Remarks: Location Method: Elevrc Desc: Location Source Date:

9 unknown UTM na

#### Overburden and Bedrock Materials Interval

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

Formation ID:	931058055
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	6.0
Formation End Depth:	80.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

182

Formation ID:	931058056
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	80.0
Formation End Depth:	210.0
Formation End Depth UOM:	ft

OTTAWA CUMBERLAND TOWNSHIP

027

18

Street Name:

Municipality:

Concession:

Concession Name:

Easting NAD83:

UTM Reliability:

Northing NAD83:

County:

Site Info:

Lot:

Zone:

# Overburden and Bedrock Materials Interval

Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	931058054 1 6 BROWN 05 CLAY 12 STONES 0.0 6.0 ft
Overburden and Bedrock Materials Interval	
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3:	931058057 4 2 GREY 15 LIMESTONE
Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	210.0 290.0 ft
Annular Space/Abandonment Sealing Record	
Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:	933110768 1 2 40 ft
Method of Construction & Well Use	
Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	961524477 1 Cable Tool
Pipe Information	
Pipe ID: Casing No: Comment: Alt Name:	10594797 1
Construction Record - Casing	
Casing ID: Layer: Material: Open Hole or Material: Depth From:	930080933 1 1 STEEL

Depth To:	40
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Results of Well Yield Testing

991524477
20.0
200.0
200.0
20.0
10.0
ft
GPM
2
CLOUDY
2
1
0
No

# Draw Down & Recovery

Pump Test Detail ID:	934108856
Test Type:	
Test Duration:	15
Test Level:	160.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934654049
Test Type:	
Test Duration:	45
Test Level:	200.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934393083
Test Type:	
Test Duration:	30
Test Level:	180.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934902431
Test Type:	
Test Duration:	60
Test Level:	200.0
Test Level UOM:	ft

# Water Details

Water ID:	933483119
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	288.0
Water Found Depth UOM:	ft

#### Site:

lot 26 ON

Well ID: 1524551 **Construction Date:** Primary Water Use: Domestic Sec. Water Use: Water Supply Final Well Status: Water Type: Casing Material: Audit No: 67152 Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: . Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

#### Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone:

UTM Reliability:

1 6/6/1990 True

2351 1

OTTAWA CUMBERLAND TOWNSHIP

026

# Bore Hole Information

Bore Hole ID:	10046301	Elevation:	
DP2BR:	13.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	22-May-1990 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			

Overburden and Bedrock Materials Interval

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

Formation ID:	931058308
Layer:	2
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	13.0
Formation End Depth:	171.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID:	931058307
Layer:	1
Color:	6

# Database:

General Color:	BROWN
Mat1: Maat Common Matarial	
Most Common Material:	HARDPAN
Matz. Matz Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	13.0
Formation End Depth UOM:	ft
Annular Space/Abandonment Sealing Record	
Plug ID:	933110803
Layer:	1
Plug From:	4
Plug To:	27
Plug Depth UOM:	π
Method of Construction & Well Use	
Method Construction ID:	961524551
Method Construction ID. Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
Pipe Information	
Pipe ID:	10594871
Casing No:	1
Comment:	
Alt Name:	
Construction Record - Casing	
Casing ID:	930081061
Layer:	1
Material:	1 87551
Open Hole or Material:	STEEL
Depth To:	27
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Results of Well Yield Testing	
Pump Test ID:	991524551
rump Set At: Static Loval:	8.0
Static Level: Final Level After Pumping:	0.0 162.0
Recommended Pump Depth:	165.0
Pumping Rate:	3.0
Flowing Rate:	
Recommended Pump Rate:	3.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
water State After Test: Pumping Tost Mathadi	
Fumping Test wethod: Pumping Duration HR	<u>د</u> 1
Pumping Duration MIN:	50
Flowing:	No
-	

#### Draw Down & Recovery

Pump Test Detail ID:	934384760
Test Type:	Draw Down
Test Duration:	30
Test Level:	105.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934902503
Test Type:	Draw Down
Test Duration:	60
Test Level:	162.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934108928
Test Type:	Draw Down
Test Duration:	15
Test Level:	90.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934654121
Test Type:	Draw Down
Test Duration:	45
Test Level:	160.0
Test Level UOM:	ft

#### Water Details

Water ID:	933483210
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	85.0
Water Found Depth UOM:	ft

Site:

#### lot 26 ON

Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate:

Domestic Water Supply

1524564

53624

8624

Data Entry Status: Data Src: 1 Date Received: 6/18/1990 Selected Flag: True Abandonment Rec: Contractor: 6006 Form Version: 1 Owner: Street Name: OTTAWA County: Municipality: CUMBERLAND TOWNSHIP Site Info: 026 Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone:

UTM Reliability:

# Clear/Cloudy:

#### Bore Hole Information

Bore Hole ID:	10046314	Elevation:	
DP2BR:	35.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	08-May-1990 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			
Location Source Date	e:		
Improvement Locatio	on Source:		
Improvement Locatio	on Method:		
Source Revision Con	nment:		
Supplier Comment:			

# Overburden and Bedrock Materials Interval

Formation ID:	931058343
Layer:	4
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	80
Mat2 Desc:	POROUS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	35.0
Formation End Depth:	48.0
Formation End Depth UOM:	ft

# Overburden and Bedrock Materials Interval

Formation ID:	931058344
Layer:	5
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	73
Mat2 Desc:	HARD
Mat3:	
Mat3 Desc:	
Formation Top Depth:	48.0
Formation End Depth:	50.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

ivia	lei	iais	me	vai

Formation ID:	931058340
Layer:	1
Color:	7
General Color:	RED
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Mat2 Desc:	SOFT

# 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:	931058341
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	6.0
Formation End Depth:	32.0
Formation End Depth UOM:	ft

# Overburden and Bedrock Materials Interval

Formation ID:	931058342
Layer:	3
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	32.0
Formation End Depth:	35.0
Formation End Depth UOM:	ft

# Annular Space/Abandonment Sealing Record

Plug ID:	933110815
Layer:	1
Plug From:	0
Plug To:	20
Plug Depth UOM:	ft

# Method of Construction & Well Use

Method Construction ID:	961524564
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

# Pipe Information

10594884
1

# Construction Record - Casing

Casing ID: Layer: Material:	930081081 1 1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	48
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# **Construction Record - Casing**

Casing ID:	930081082
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	50
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Results of Well Yield Testing

Pump Test ID:	991524564
Pump Set At:	
Static Level:	6.0
Final Level After Pumping:	35.0
Recommended Pump Depth:	45.0
Pumping Rate:	20.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	No

# Draw Down & Recovery

Pump Test Detail ID:	934108937
Test Type:	
Test Duration:	15
Test Level:	35.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934902511
Test Type:	
Test Duration:	60
Test Level:	35.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934654130
Test Type:	
Test Duration:	45
Test Level:	35.0

# Test Level UOM:

ft

# Draw Down & Recovery

Pump Test Detail ID:	934384769
Test Type:	
Test Duration:	30
Test Level:	35.0
Test Level UOM:	ft

# Water Details

Water ID:	933483222
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	49.0
Water Found Depth UOM:	ft

# Site:

lot 26 ON

#### Database: WWIS

Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status:	1531565 Domestic Water Supply	Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec:	1 11/17/2000 True
Water Type: Casing Material: Audit No:	224530	Contractor: Form Version: Owner:	1414 1
Tag: Construction Method: Elevation (m):		Street Name: County: Municipality:	OTTAWA CUMBERLAND TOWNSHIP
Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock:		Site Info: Lot: Concession: Concession Name:	026
Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:		Easting NAD83: Northing NAD83: Zone: UTM Reliability:	
Bore Hole Information			

Bore Hole ID:	10053099	Elevation:	
DP2BR:	27.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	03-Nov-2000 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			
Location Source Dat	e:		
Improvement Location	on Source:		
Improvement Locatio	on Method:		
Source Revision Con	nment:		

# Overburden and Bedrock Materials Interval

Supplier Comment:

# Formation ID:

Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	2 GREY 34 TILL 13 BOULDERS 73 HARD 10.0 27.0 ft
Overburden and Bedrock Materials Interval	
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation Top Donth:	931078864 1 7 RED 05 CLAY 66 DENSE
Formation Top Depth: Formation End Depth: Formation End Depth UOM:	0.0 10.0 ft
Overburden and Bedrock Materials Interval	
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc:	931078866 3 BLUE 17 SHALE 80 POROUS
Formation Top Depth: Formation End Depth: Formation End Depth UOM:	27.0 78.0 ft
<u>Annular Space/Abandonment</u> <u>Sealing Record</u>	
Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:	933116736 1 0 27 ft
Method of Construction & Well Use	

Method Construction ID:	961531565
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

# Pipe Information

669

# Construction Record - Casing

930092990
1
1
STEEL
8
inch
ft

# Construction Record - Casing

Casing ID:	930092992
Layer:	3
Material:	4
Open Hole or Material: Depth From: Depth To:	OPEN HOLE
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Construction Record - Casing

Casing ID:	930092991
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Results of Well Yield Testing

Pump Test ID:	991531565
Pump Set At:	
Static Level:	6.0
Final Level After Pumping:	70.0
Recommended Pump Depth:	70.0
Pumping Rate:	5.0
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:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

# Draw Down & Recovery

Pump Test Detail ID:	934113982
Test Type:	Recovery

Test Duration:	15
Test Level:	15.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934915007
Test Type:	Recovery
Test Duration:	60
Test Level:	6.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934397181
Test Type:	Recovery
Test Duration:	30
Test Level:	10.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934658116
Test Type:	Recovery
Test Duration:	45
Test Level:	8.0
Test Level UOM:	ft

# Water Details

Water ID:	933492074
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60.0
Water Found Depth UOM:	ft

# <u>Site:</u>

lot 23 ON

#### Bore Hole Information

#### Bore Hole ID:

11550255

Elevation:

DP2BR: Spatial Status: Code OB: u Code OB Desc: all layers are unknown type **Open Hole:** Cluster Kind: Date Completed: 08-Dec-2005 00:00:00 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### Overburden and Bedrock Materials Interval

933043023
1
0.0
158.0
ft

#### Method of Construction & Well Use

Method Construction ID:	961536189
Method Construction Code:	В
Method Construction:	Other Method
Other Method Construction:	

#### Pipe Information

Pipe ID:	11559862
Casing No:	1
Comment:	
Alt Name:	

# Results of Well Yield Testing

Pump Test ID: Pump Set At: Static Level: Final Level After Pumping:	11569338 134.0 40.0
Recommended Pump Depth: Pumping Rate: Flowing Rate: Recommended Pump Rate:	
Levels UOM: Rate UOM: Water State After Test Code:	ft GPM
Pumping Test Method: Pumping Duration HR: Pumping Duration MIN: Flowing:	

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

9 unknown UTM na

#### Site:

lot 26 ON Well ID: 1534091 **Construction Date:** Primary Water Use: Domestic Sec. Water Use: Final Well Status: Water Supply Water Type: Casing Material: Audit No: 259375 Tag: **Construction Method:** Elevation (m): **Elevation Reliability:** Depth to Bedrock: Well Depth: . Overburden/Bedrock:

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

#### **Bore Hole Information**

Bore Hole ID: 10543206 12.00 DP2BR: Spatial Status: Code OB: r Code OB Desc: Bedrock **Open Hole:** Cluster Kind: Date Completed: 06-Aug-2003 00:00:00 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### **Overburden and Bedrock** Materials Interval

Formation ID:	932925027
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	26
Mat2 Desc:	ROCK
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12.0
Formation End Depth:	250.0
Formation End Depth UOM:	ft

#### **Overburden and Bedrock** Materials Interval

932925028
4
6
BROWN

196

1 9/9/2003 True

1517

1

OTTAWA CUMBERLAND TOWNSHIP

026

Elevation: Elevrc: Zone: 18 East83: North83: Org CS: 9 UTMRC: UTMRC Desc: unknown UTM Location Method: na

Order No: 21073001373

Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	26
Mat2 Desc:	ROCK
Mat3: Mat2 Doso:	
Formation Top Depth	250.0
Formation End Depth:	282.0
Formation End Depth UOM:	ft
Overburden and Bedrock	
Materials Interval	
Formation ID:	932925025
Layer:	1
Color: Conoral Color:	
General Color: Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc: Mat2:	
mais. Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	3.0
Formation End Depth UOM:	ft
Overburden and Bedrock	
<u>Materials Interval</u>	
Formation ID:	932925026
Layer:	2
Color: Conoral Color:	2 CPEV
General Color: Mat1:	14
Most Common Material:	HARDPAN
Mat2:	12
Mat2 Desc:	STONES
mais. Mat3 Desc:	
Formation Top Depth:	3.0
Formation End Depth:	12.0
Formation End Depth UOM:	ft
Annular Space/Abandonment Sealing Record	
Pluq ID:	933240978
Layer:	1
Plug From:	0
Plug To: Plug Depth UOM:	40 ft
Mathead of Occurrent of Mathematic	
<u>Wethod of Construction &amp; Well</u> <u>Use</u>	
Method Construction ID:	961534091
Method Construction Code:	1 October 70
Method Construction:	Cable I ool
Utner Wethod Construction:	
Pipe Information	
Pipe ID:	11091776
Casing No:	1

#### Comment: Alt Name:

# Construction Record - Casing

# Results of Well Yield Testing

Pump Test ID:	991534091
Pump Set At:	
Static Level:	150.0
Final Level After Pumping:	260.0
Recommended Pump Depth:	270.0
Pumping Rate:	7.0
Flowing Rate:	
Recommended Pump Rate:	6.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

# Draw Down & Recovery

Pump Test Detail ID:	934657194
Test Type:	Draw Down
Test Duration:	45
Test Level:	250.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934914641
Test Type:	Draw Down
Test Duration:	60
Test Level:	260.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934113620
Test Type:	Draw Down
Test Duration:	15
Test Level:	200.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934397234
Test Type:	Draw Down
Test Duration:	30
Test Level:	240.0

ft

#### Water Details

934037010
1
1
FRESH
280.0
ft

#### Site:

lot 25 ON

Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate:	1533937 Domestic Water Supply 263121	Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 7/9/2003 True 6006 1 OTTAWA CUMBERLAND TOWNSHIP 025
Clear/Cloudy: Bore Hole Information			
Bore Hole ID:	10543052	Elevation:	

Bore Hole ID:	10543052	Elevation:	
DP2BR:	67.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	26-Jun-2003 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			
Location Source Date:			

Overburden and Bedrock Materials Interval

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

Formation ID: 932924628 Layer: 1 Color: 6 General Color: BROWN Mat1: 05 Most Common Material: CLAY Mat2: 85 Mat2 Desc: SOFT Mat3: Mat3 Desc:

199

Formation Top Depth:	0.0
Formation End Depth:	18.0
Formation End Depth UOM:	ft

# Overburden and Bedrock Materials Interval

Formation ID:	932924631
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	17
Most Common Material:	SHALE
Mat2:	73
Mat2 Desc:	HARD
Mat3:	
Mat3 Desc:	
Formation Top Depth:	67.0
Formation End Depth:	94.0
Formation End Depth UOM:	ft

# Overburden and Bedrock

Materials Interval

Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3:	932924629 2 3 BLUE 05 CLAY 85 SOFT
<i>Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:</i>	18.0 63.0 ft

#### Overburden and Bedrock Materials Interval

Formation ID:	932924630
Layer:	3
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	63.0
Formation End Depth:	67.0
Formation End Depth UOM:	ft

# Annular Space/Abandonment Sealing Record

933240828
1
0
20
ft

# Method of Construction & Well

# <u>Use</u>

Method Construction ID:	961533937
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

# Pipe Information

Pipe ID:	11091622
Casing No:	1
Comment:	
Alt Name:	

# Construction Record - Casing

Casing ID:	930097906
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Construction Record - Casing

Casing ID:	930097907
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Results of Well Yield Testing

Pump Test ID:	991533937
Pump Set At:	
Static Level:	45.0
Final Level After Pumping:	94.0
Recommended Pump Depth:	88.0
Pumping Rate:	11.0
Flowing Rate:	
Recommended Pump Rate:	9.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
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:	934914085
Test Type:	Draw Down
Test Duration:	60
Test Level:	75.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934396678
Test Type:	Draw Down
Test Duration:	30
Test Level:	75.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934113064
Test Type:	Draw Down
Test Duration:	15
Test Level:	75.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934656638	
Test Type:	Draw Down	
Test Duration:	45	
Test Level:	75.0	
Test Level UOM:	ft	

# Water Details

Water ID:	934036776
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	67.0
Water Found Depth UOM:	ft

# Site:

Database: WWIS

lot 27 ON				WWIS
Well ID:	1532811	Data Entry Status:		
Construction Date:		Data Src:	1	
Primary Water Use:	Domestic	Date Received:	5/6/2002	
Sec. Water Use:		Selected Flag:	True	
Final Well Status:	Water Supply	Abandonment Rec:		
Water Type:		Contractor:	1517	
Casing Material:		Form Version:	1	
Audit No:	235694	Owner:		
Tag:		Street Name:		
Construction Method	-	County:	OTTAWA	
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP	
Elevation Reliability:		Site Info:		
Depth to Bedrock:		Lot:	027	
Well Depth:		Concession:		
Overburden/Bedrock	:	Concession Name:		
Pump Rate:		Easting NAD83:		
Static Water Level:		Northing NAD83:		
Flowing (Y/N):		Zone:		
Flow Rate:		UTM Reliability:		
Clear/Cloudy:				
Bore Hole Information	<u>n</u>			

Bore Hole ID:	10523939	Elevation:		
DP2BR:	11.00	Elevrc:		
Spatial Status:		Zone:	18	
Code OB:	r	East83:		
Code OB Desc:	Bedrock	North83:		

Open Hole: Cluster Kind: Date Completed: 05-Apr-2002 00:00:00 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### Overburden and Bedrock Materials Interval

Formation ID:	932857800
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	26
Mat2 Desc:	ROCK
Mat3:	
Mat3 Desc:	
Formation Top Depth:	200.0
Formation End Depth:	260.0
Formation End Depth UOM:	ft

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

Formation ID:	932857799
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	26
Mat2 Desc:	ROCK
Mat3:	
Mat3 Desc:	
Formation Top Depth:	14.0
Formation End Depth:	200.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

932857797
1
6
BROWN
14
HARDPAN
05
CLAY
12
STONES
0.0
11.0
ft

#### Overburden and Bedrock Materials Interval

Org CS: UTMRC: UTMRC Desc: Location Method:

9 unknown UTM na

Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	932857798 2 8 BLACK 17 SHALE 26 ROCK 11.0 14.0 ft
<u>Annular Space/Abandonment</u> <u>Sealing Record</u>	
Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:	933225449 1 3 42 ft
Method of Construction & Well Use	
Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	961532811 1 Cable Tool
Pipe Information	
Pipe ID: Casing No: Comment: Alt Name:	11072509 1
Construction Record - Casing	
Casing ID: Layer:	930095644 1
Material: Open Hole or Material: Depth From: Depth To:	1 STEEL
Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	6 inch ft

# Results of Well Yield Testing

Pump Test ID:	991532811
Pump Set At:	
Static Level:	120.0
Final Level After Pumping:	230.0
Recommended Pump Depth:	250.0
Pumping Rate:	8.0
Flowing Rate:	
Recommended Pump Rate:	8.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2

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

# Draw Down & Recovery

Pump Test Detail ID:	934401586
Test Type:	Draw Down
Test Duration:	30
Test Level:	210.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934662109
Test Type:	Draw Down
Test Duration:	45
Test Level:	220.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934117974
Test Type:	Draw Down
Test Duration:	15
Test Level:	190.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934919410
Test Type:	Draw Down
Test Duration:	60
Test Level:	230.0
Test Level UOM:	ft

# Water Details

Water ID:	934016522
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	255.0
Water Found Depth UOM:	ft

lot 28 ON

# Site:

#### Database: WWIS

Well ID: Construction Date:	1531002	Data Entry Status: Data Src:	1
Primary Water Use:	Domestic	Date Received:	1/21/2000
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1517
Casing Material:		Form Version:	1
Audit No:	191606	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	028
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	

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

#### Bore Hole Information

Bore Hole ID: 10052536 DP2BR: 106.00 Spatial Status: Code OB: r Code OB Desc: Bedrock **Open Hole:** Cluster Kind: Date Completed: 27-Oct-1999 00:00:00 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Northing NAD83: Zone: UTM Reliability:

Elevation:Elevrc:Zone:18East83:North83:Org CS:UTMRC:9UTMRC Desc:unknown UTMLocation Method:na

#### Overburden and Bedrock Materials Interval

6

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

Formation ID:	931077220
Layer:	6
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	26
Mat2 Desc:	ROCK
Mat3:	
Mat3 Desc:	
Formation Top Depth:	106.0
Formation End Depth:	108.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID: Layer: Color: Concret Color:	931077219 5 2 CPEY
General Color:	GREY
Mat1:	05

Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	CLAY 08 FINE SAND 100.0 106.0 ft
Overburden and Bedrock Materials Interval	
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3:	931077215 1 6 BROWN 00 UNKNOWN TYPE 81 SANDY
<i>Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:</i>	0.0 4.0 ft
Overburden and Bedrock Materials Interval	
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3:	931077217 3 2 GREY 28 SAND 05 CLAY
<i>Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:</i>	18.0 38.0 ft
Overburden and Bedrock Materials Interval	
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3:	931077218 4 3 BLUE 05 CLAY
Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	38.0 100.0 ft
Annular Space/Abandonment Sealing Record	
Plug ID: Layer:	933116179 1

Plug From:	3
Plug To:	22
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961531002
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

# Pipe Information

Pipe ID:	10601106
Casing No:	1
Comment:	
Alt Name:	

# **Construction Record - Casing**

Casing ID:	930091783
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	110
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Results of Well Yield Testing

Pump Test ID:	991531002
Pump Set At:	
Static Level:	15.0
Final Level After Pumping:	30.0
Recommended Pump Depth:	60.0
Pumping Rate:	30.0
Flowing Rate:	
Recommended Pump Rate:	12.0
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:	
Flowing:	No

# Draw Down & Recovery

Pump Test Detail ID:	934395435
Test Type:	Draw Down
Test Duration:	30
Test Level:	26.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID: Test Type:	934903896 Draw Down
Test Level:	30.0

# Test Level UOM:

ft

# Draw Down & Recovery

Pump Test Detail ID:	934120579
Test Type:	Draw Down
Test Duration:	15
Test Level:	25.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934664717	
Test Type:	Draw Down	
Test Duration:	45	
Test Level:	30.0	
Test Level UOM:	ft	

# Water Details

Water ID:	933491324
Layer:	1
Kind Code:	2
Kind:	SALTY
Water Found Depth:	106.0
Water Found Depth UOM:	ft

# Site:

lot 27 ON

Database: WWIS

Well ID:	1529773	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	12/11/1997
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	6006
Casing Material:		Form Version:	1
Audit No:	184958	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	027
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:		-	

#### Bore Hole Information

Bore Hole ID:	10051308	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:	0	East83:	
Code OB Desc:	Overburden	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	19-Nov-1997 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			
I ocation Source Date	o.		

Location Source Date: Improvement Location Source:

Improvement Location Method: Source Revision Comment: Supplier Comment:

#### Overburden and Bedrock Materials Interval

Formation ID:	931073780
Layer:	2
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	17.0
Formation End Depth:	27.0
Formation End Depth UOM:	ft

# Overburden and Bedrock

Materials Interval

Formation ID:	931073779
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	17.0
Formation End Depth UOM:	ft

#### <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

Plug ID:	933114842
Layer:	1
Plug From:	0
Plug To:	20
Plug Depth UOM:	ft

#### Method of Construction & Well Use

Method Construction ID:	961529773
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

# Pipe Information

Pipe ID: Casing No:	10599878
Comment:	I
Alt Name:	

# Construction Record - Casing

Casing ID:	930089576
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	27
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Results of Well Yield Testing

Pump Test ID:	991529773
Pump Set At:	
Static Level:	10.0
Final Level After Pumping:	10.0
Recommended Pump Depth:	25.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

# Draw Down & Recovery

Pump Test Detail ID:	934391686
Test Type:	Recovery
Test Duration:	30
Test Level:	10.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934660848
Test Type:	Recovery
Test Duration:	45
Test Level:	10.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934116712
Test Type:	Recovery
Test Duration:	15
Test Level:	10.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934909804
Test Type:	Recovery
Test Duration:	60
Test Level:	10.0
Test Level UOM:	ft

# Water Details

# Water ID:

#### Site:

Well ID:

lot 26 ON

**Construction Date:** 

Primary Water Use:

Sec. Water Use:

Water Type:

Final Well Status:

6 ON

1529608 Domestic Water Supply

184927

Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

# Bore Hole Information

Bore Hole ID: 10051143 Elevation: DP2BR: 45.00 Elevrc: Spatial Status: Zone: Code OB: East83: Code OB Desc: Bedrock North83: **Open Hole:** Org CS: **Cluster Kind:** UTMRC: Date Completed: 29-Aug-1997 00:00:00 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method:

Data Entry Status: Data Src: 1 9/10/1997 Date Received: Selected Flag: True Abandonment Rec: Contractor: 6006 Form Version: 1 Owner: Street Name: OTTAWA County: Municipality: CUMBERLAND TOWNSHIP Site Info: 026 I of Concession: Concession Name: CON Easting NAD83: Northing NAD83: Zone: UTM Reliability:

Elevation: Elevrc: Zone: 18 East83: North83: Org CS: UTMRC: 9 UTMRC Desc: unknown UTM Location Method: na

#### Overburden and Bedrock Materials Interval

Source Revision Comment: Supplier Comment:

Formation ID:	931073293
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	15.0
Formation End Depth UOM:	ft

#### **Overburden and Bedrock**

#### Materials Interval

Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat2 Desc	931073294 2 GREY 05 CLAY 85 SOFT
Mats Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	15.0 30.0 ft

#### Overburden and Bedrock Materials Interval

931073295
3
2
GREY
11
GRAVEL
85
SOFT
30.0
45.0
ft

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

Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3:	931073296 4 6 BROWN 17 SHALE 80 POROUS
<i>Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:</i>	45.0 59.0 ft

# Annular Space/Abandonment Sealing Record

Plug ID:	933114633
Layer:	1
Plug From:	0
Plug To:	20
Plug Depth UOM:	ft

#### Method of Construction & Well Use

Method Construction ID:	961529608
Method Construction Code:	1
Method Construction:	Cable Tool

# Pipe Information

Pipe ID:	10599713
Casing No:	1
Comment:	
Alt Name:	

# Construction Record - Casing

Casing ID:	930089273
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	45
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Construction Record - Casing

Casing ID:	930089274
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	59
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Results of Well Yield Testing

Pump Test ID:	991529608
Pump Set At:	
Static Level:	30.0
Final Level After Pumping:	30.0
Recommended Pump Depth:	55.0
Pumping Rate:	8.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	30
Flowing:	No

# Draw Down & Recovery

934909267
60
30.0
ft

# Draw Down & Recovery

Pump Test Detail ID:	934116177
Test Type:	

Test Duration:	15
Test Level:	30.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934660313
Test Type:	
Test Duration:	45
Test Level:	30.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934391149
Test Type:	
Test Duration:	30
Test Level:	30.0
Test Level UOM:	ft

#### Water Details

Water ID:	933489623
Layer:	1
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	45.0
Water Found Depth UOM:	ft

# <u>Site:</u>

lot 25 ON

10120 011			
Well ID:	1528976	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	6/27/1996
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1414
Casing Material:		Form Version:	1
Audit No:	169429	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	025
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	CON
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			
-			

# Bore Hole Information

Bore Hole ID:	10050512	Elevation:	
DP2BR:	8.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	17-Jun-1996 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			

215

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

#### Overburden and Bedrock Materials Interval

Formation ID:	931071366
Laver:	1
Color:	6
General Color:	BROWN
Mat1:	34
Most Common Material:	TILL
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	0.0
Formation End Depth:	8.0
Formation End Depth UOM:	ft

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

Formation ID:	931071367
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	74
Mat2 Desc:	LAYERED
Mat3:	
Mat3 Desc:	
Formation Top Depth:	8.0
Formation End Depth:	258.0
Formation End Depth UOM:	ft

# Annular Space/Abandonment Sealing Record

Plug ID:	933113976
Layer:	1
Plug From:	0
Plug To:	40
Plug Depth UOM:	ft

#### Method of Construction & Well Use

Method Construction ID:	961528976
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

# Pipe Information

10599082
1
# Construction Record - Casing

Casing ID:	930088275
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	258
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

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

Casing ID:	930088274
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	42
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Results of Well Yield Testing

Pump Test ID:	991528976
Pump Set At:	
Static Level:	40.0
Final Level After Pumping:	250.0
Recommended Pump Depth:	240.0
Pumping 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:	934105827
Test Type:	Draw Down
Test Duration:	15
Test Level:	100.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934389453
Test Type:	Draw Down
Test Duration:	30
Test Level:	150.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934658628
Test Type:	Draw Down
Test Duration:	45
Test Level:	175.0

#### Test Level UOM:

ft

#### Draw Down & Recovery

Pump Test Detail ID:	934907574
Test Type:	Draw Down
Test Duration:	60
Test Level:	200.0
Test Level UOM:	ft

#### Water Details

Water ID:	933488885
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	175.0
Water Found Depth UOM:	ft

#### Site:

lot 28 ON

#### Database: WWIS

Well ID:1523827Construction Date:Primary Water Use:PublicSec. Water Use:	Data Entry Status: Data Src: Date Received: Selected Flag:	1 9/11/1989 True
Final Well Status:Water SupplyWater Type:Casing Material:	Abandonment Rec: Contractor: Form Version:	2351 1
Audit No:37633Tag:37633Construction Method:37633Elevation (m):37633Elevation Reliability:37633Depth to Bedrock:37633Well Depth:37633Overburden/Bedrock:37633Pump Rate:37633Static Water Level:37633Flowing (Y/N):37633Flow Rate:37633Clear/Cloudy:37633	Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	OTTAWA CUMBERLAND TOWNSHIP 028

#### Bore Hole Information

Bore Hole ID: DP2BR: Spatial Status:	10045600 69.00	Elevation: Elevrc: Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	28-Aug-1989 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			
Location Source Date:			
Improvement Location	Source:		
Improvement Location	Method:		
Source Revision Comm	ent:		

#### Overburden and Bedrock Materials Interval

Supplier Comment:

#### Formation ID:

Layer:	4
General Color:	Z GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2: Mat2 Desc:	
Mat2: Desc.	
Mat3 Desc:	
Formation Top Depth:	69.0
Formation End Depth: Formation End Depth UOM	93.0 ft
Overburden and Bedrock Materials Interval	
Formation ID:	931055872
Layer:	2
Color:	3
General Color: Mat1:	BLUE 05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mats. Mats Desc:	
Formation Top Depth:	28.0
Formation End Depth:	57.0
Formation End Depth UOM:	π
Overthunden and Dadua de	
<u>Overburgen and Bedrock</u> <u>Materials Interval</u>	
Formation ID:	931055873
Layer: Color:	3
General Color:	GREY
Mat1:	14
Most Common Material:	HARDPAN
Mat2: Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth: Formation End Depth:	57.0 69.0
Formation End Depth UOM:	ft
<u>Overburden and Bedrock</u> <u>Materials Interval</u>	
Formation ID:	931055871
Layer:	1
Color: General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	
Matz Desc: Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	28.0 #
Formation End Depth UOW:	11

# Annular Space/Abandonment

#### Sealing Record

Plug ID:	933110430
Layer:	1
Plug From:	6
Plug To:	25
Plug Depth UOM:	ft

#### Method of Construction & Well Use

Method Construction ID: Method Construction Code:	961523827 1
Method Construction:	Cable Tool
Other Method Construction:	

# Pipe Information

Pipe ID:	10594170
Casing No:	1
Comment:	
Alt Name:	

#### Construction Record - Casing

Casing ID:	930079817
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	69
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Results of Well Yield Testing

Pump Test ID:	991523827
Pump Set At:	
Static Level:	54.0
Final Level After Pumping:	71.0
Recommended Pump Depth:	88.0
Pumping Rate:	29.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	35
Flowing:	No

# Draw Down & Recovery

Pump Test Detail ID:	934909009
Test Type:	Draw Down
Test Duration:	60
Test Level:	71.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934390829
Test Type:	Draw Down
Test Duration:	30
Test Level:	70.0
Test Level UOM:	ft

Pump Test Detail ID:	934106599
Test Type:	Draw Down
Test Duration:	15
Test Level:	64.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934651803	
Test Type:	Draw Down	
Test Duration:	45	
Test Level:	71.0	
Test Level UOM:	ft	

# Water Details

Water ID:	933482239
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	90.0
Water Found Depth UOM:	ft

# <u>Site:</u>

lot 25 ON

Database:
WWIS

Well ID:	1523747	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Industrial	Date Received:	8/4/1989
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	3644
Casing Material:		Form Version:	1
Audit No:	49862	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	OTTAWA CITY
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	025
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

# Bore Hole Information

Bore Hole ID: DP2BR: Spatial Status: Code OB:	10045521 32.00	Elevation: Elevrc: Zone: East83:	18
Code OB. Code OB Desc: Open Hole: Cluster Kind: Date Completed:	Bedrock 12-Jun-1989 00:00:00	North83: Org CS: UTMRC: UTMRC Desc:	9 unknown UTM

Location Method: na

Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### Overburden and Bedrock Materials Interval

Materials IntervalFormation ID:931055593Layer:2Color:2General Color:GREYMat1:15Most Common Material:LIMESTONEMat2:82Mat2 Desc:SHALY

Mat2 Desc:	SHALY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	32.0
Formation End Depth:	250.0
Formation End Depth UOM:	ft

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

Formation ID:	931055592
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:	32.0
Formation End Depth UOM:	ft

# Method of Construction & Well Use

Method Construction ID:	961523747
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

# Pipe Information

Pipe ID:	10594091
Casing No:	1
Comment:	
Alt Name:	

# Construction Record - Casing

Casing ID:	930079667
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	36
-	

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

#### Construction Record - Casing

Casing ID:	930079668
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	250
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Results of Well Yield Testing

Pump Test ID:	991523747
Pump Set At:	
Static Level:	19.0
Final Level After Pumping:	100.0
Recommended Pump Depth:	100.0
Pumping Rate:	14.0
Flowing Rate:	
Recommended Pump Rate:	14.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No
-	

#### Draw Down & Recovery

Pump Test Detail ID:	934390332
Test Type:	
Test Duration:	30
Test Level:	100.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934651310
Test Type:	
Test Duration:	45
Test Level:	100.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934908516
Test Type:	
Test Duration:	60
Test Level:	100.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934106105
Test Type:	
Test Duration:	15

Test Level:	100.0
Test Level UOM:	ft

# Water Details

Water ID:	933482123
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	225.0
Water Found Depth UOM:	ft

#### Water Details

Water ID:	933482122
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60.0
Water Found Depth UOM:	ft

lot 28 ON

# Site:

Database: WWIS

Well ID: Construction Date: Primary Water Use:	1523637 Domestic	Data Entry Status: Data Src: Date Received:	1 8/28/1989
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	2251
Casing Material		Form Version	1
Audit No:	37628	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	028
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate: Clear/Cloudy:		UTM Reliability:	

#### Bore Hole Information

Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc:	10045411 89.00 r Bedrock	Elevation: Elevrc: Zone: East83: North83:	18
Open Hole: Cluster Kind: Date Completed: Remarks:	16-Aug-1989 00:00:00	Org CS: UTMRC: UTMRC Desc: Location Method:	9 unknown UTM na
Elevrc Desc: Location Source Date: Improvement Location S Improvement Location N	Source: Nethod:		

# Overburden and Bedrock Materials Interval

Source Revision Comment: Supplier Comment:

Formation ID:	931055309
Layer:	5
Color:	3
General Color:	BLUE
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	89.0
Formation End Depth:	104.0
Formation End Depth UOM:	ft

# Overburden and Bedrock Materials Interval

Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc:	931055306 2 7 RED 05 CLAY
Formation Top Depth:	9.0
Formation End Depth:	24.0
Formation End Depth UOM:	ft

# Overburden and Bedrock Materials Interval

Formation ID:	931055308
Layer:	4
Color:	8
General Color:	BLACK
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	28
Mat2 Desc:	SAND
Mat3:	11
Mat3 Desc:	GRAVEL
Formation Top Depth:	73.0
Formation End Depth:	89.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID:	931055307
Layer:	3
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	24.0
Formation End Depth:	73.0
Formation End Depth UOM:	ft

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

Formation ID:	931055305
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc:	SAND
Formation Top Depth:	0.0
Formation End Depth:	9.0
Formation End Depth UOM:	ft

Method of Construction & Well	
<u>Use</u>	
Method Construction ID:	961523637
Method Construction Code:	1

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

# Pipe Information

Pipe ID:	10593981
Casing No:	1
Comment:	
Alt Name:	

# Construction Record - Casing

Casing ID:	930079453
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	89
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Results of Well Yield Testing

Pump Test ID:	991523637
Pump Set At:	
Static Level:	14.0
Final Level After Pumping:	92.0
Recommended Pump Depth:	100.0
Pumping Rate:	8.0
Flowing Rate:	
Recommended Pump Rate:	5.0
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:	40
Flowing:	No

# Draw Down & Recovery

Pump Test Detail ID:	934650781
Test Type:	Draw Down
Test Duration:	45
Test Level:	91.0
Test Level UOM:	ft

Pump Test Detail ID:	934908406
Test Type:	Draw Down
Test Duration:	60
Test Level:	92.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934390222
Test Type:	Draw Down
Test Duration:	30
Test Level:	82.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934105576
Test Type:	Draw Down
Test Duration:	15
Test Level:	37.0
Test Level UOM:	ft

#### Water Details

Water ID:	933481979
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	102.0
Water Found Depth UOM:	ft

#### Site:

lot 23 ON

Well ID: 1523527 **Construction Date:** Primary Water Use: Domestic Sec. Water Use: Final Well Status: Water Supply Water Type: Casing Material: Audit No: 44199 Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: . Overburden/Bedrock: Pump Rate:

Data Entry Status: Data Src: 1 7/18/1989 Date Received: Selected Flag: True Abandonment Rec: Contractor: 1517 Form Version: 1 Owner: Street Name: County: Municipality: Site Info: Lot: 023 Concession: Concession Name: Easting NAD83: Northing NAD83: Zone:

UTM Reliability:

OTTAWA CUMBERLAND TOWNSHIP

Database: WWIS

Static Water Level:

Flowing (Y/N):

Clear/Cloudy:

Flow Rate:

#### **Bore Hole Information**

Bore Hole ID:	10045301	Elevation:	
DP2BR:	18.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	06-Jun-1989 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			

Overburden and Bedrock Materials Interval

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

Formation ID:	03105/020
Formation ID.	951054929
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	12.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID:	931054930
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	14
Mat2 Desc:	HARDPAN
Mat3:	11
Mat3 Desc:	GRAVEL
Formation Top Depth:	12.0
Formation End Depth:	18.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID:	931054931
Layer:	3
Color:	8
General Color:	BLACK
Mat1:	26
Most Common Material:	ROCK
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	18.0

Formation End Depth: Formation End Depth UOM:	44.0 ft
Annular Space/Abandonment Sealing Record	
Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:	933110343 1 2 20 ft
Method of Construction & Well Use	
Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	961523527 4 Rotary (Air)
Pipe Information	
Pipe ID: Casing No: Comment: Alt Name:	10593871 1
Construction Record - Casing	
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	930079277 1 STEEL 20 6 inch ft
Results of Well Yield Testing	
Pump Test ID: Pump Set At: Static Level: Final Level After Pumping: Recommended Pump Depth: Pumping Rate: Flowing Rate: Recommended Pump Rate: Levels UOM: Rate UOM: Water State After Test Code: Water State After Test: Pumping Test Method: Pumping Duration HR: Pumping Duration MIN: Flowing:	991523527 10.0 35.0 2.0 ft GPM 1 No
Water Details	

# Water ID: 933481825 Layer: 1 Kind Code: 1 Kind: FRESH

35.0

ft

<u>Site:</u>

lot 28 ON

Well ID: Construction Data:	1523456	Data Entry Status:	1
Define and Marken Llas	Demestie	Data Sic.	1
Primary water Use:	Domestic	Date Received:	6/20/1989
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	2351
Casing Material:		Form Version:	1
Audit No:	37602	Owner:	
Tag:		Street Name:	
<b>Construction Method:</b>		County:	OTTAWA
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	028
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudv:			

#### Bore Hole Information

Bore Hole ID:	10045231	Elevation:	
DFZDR. Spatial Status		Zonov	10
Spallal Status.		zone.	10
Code OB:	0	East83:	
Code OB Desc:	Overburden	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	31-May-1989 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			

#### Overburden and Bedrock Materials Interval

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

Formation ID:	931054677
Layer:	3
Color:	8
General Color:	BLACK
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	37.0
Formation End Depth:	52.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID:

Layer: Color: General Color: Mat1: Most Common Material: Mat2 Desc: Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	4 8 BLACK 11 GRAVEL 52.0 54.0 ft
<u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2:	931054676 2 3 BLUE 05 CLAY
Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	6.0 37.0 ft
<u>Overburden and Bedrock</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2:	931054675 1 6 BROWN 28 SAND
Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	0.0 6.0 ft
Annular Space/Abandonment Sealing Record Plug ID: Layer: Plug From: Plug To: Plug Depth UOM: Method of Construction & Well	933110312 1 6 20 ft
<u>Use</u> Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	961523456 1 Cable Tool

# Pipe Information

Pipe ID:	10593801
Casing No:	1
Comment:	
Alt Name:	

# Construction Record - Casing

930079150
1
1
STEEL
54
6
inch
ft

# Results of Well Yield Testing

991523456
10.0
18.0
43.0
48.0
12.0
6.0
ft
GPM
2
CLOUDY
2
1
50
No

# Draw Down & Recovery

Pump Test Detail ID:	934907396
Test Type:	Draw Down
Test Duration:	60
Test Level:	43.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934389211
Test Type:	Draw Down
Test Duration:	30
Test Level:	38.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934650192
Test Type:	Draw Down
Test Duration:	45
Test Level:	43.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump	Test	Detail	ID:
------	------	--------	-----

Test Type:	
Test Duration:	
Test Level:	
Test Level UOM:	

#### Water Details

Water ID:	933481722
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	54.0
Water Found Depth UOM:	ft

Draw Down 15 29.0 ft

#### Site:

lot 23 ON

Well ID:	1523053	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	12/16/1988
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	3749
Casing Material:		Form Version:	1
Audit No:	37715	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	023
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

#### Bore Hole Information

Bore Hole ID:	10044859	Elevation:	
DP2BR:	47.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	20-Nov-1988 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			

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

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

Formation ID:	931053371
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	01

Database: WWIS

<i>Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth: Formation End Depth:</i>	FILL 77 LOOSE 0.0 2.0
Formation End Depth UOM:	ft
<u>Overburden and Bedrock</u> Materials Interval	
Formation ID: Laver:	931053374 4
Color:	6 80.0000
Mat1:	28
Most Common Material: Mat2:	SAND 00
Mat2 Desc:	UNKNOWN TYPE
Mat3: Mat3 Desc:	
Formation Top Depth:	29.0 41.0
Formation End Depth UOM:	ft
Overburden and Bedrock Materials Interval	
Formation ID:	931053376
Layer: Color:	6 2
General Color:	GREY
Mat1: Most Common Material:	LIMESTONE
Mat2: Mat2 Desc:	
Mat3:	
Mats Desc: Formation Top Depth:	47.0
Formation End Depth: Formation End Depth UOM:	153.0 ft
Overburden and Bedrock Materials Interval	
Formation ID:	931053372
Color:	2 8
General Color: Mat1:	BLACK 02
Most Common Material:	TOPSOIL
Mat2: Mat2 Desc:	
Mat3: Mat3 Doso:	
Formation Top Depth:	2.0
Formation End Depth: Formation End Depth UOM:	3.0 ft
·····	
<u>Overburden and Bedrock</u> Materials Interval	
Formation ID:	931053375 F
Layer: Color:	5 6
General Color:	BROWN

Mat1:	11
Most Common Material: Mat2:	GRAVEL
Mat2 Desc: Mat3:	
Mat3 Desc:	44.0
Formation Top Depth: Formation End Depth:	41.0 47.0
Formation End Depth UOM:	ft
<u>Overburden and Bedrock</u> <u>Materials Interval</u>	
Formation ID:	931053373
Layer: Color:	3
General Color:	GREY
Mat1: Most Common Material:	05 CLAY
Mat2:	00
Mat2 Desc: Mat3:	UNKNOWN TYPE
Mat3 Desc:	
Formation Top Depth:	3.0
Formation End Depth UOM:	ft
<u>Annular Space/Abandonment</u> <u>Sealing Record</u>	
Plug ID:	933110087
Layer: Plug From:	1
Plug To:	47
Plug Depth UOM:	ft
Method of Construction & Well Use	
Method Construction ID:	961523053
Method Construction Code: Method Construction:	4 Rotary (Air)
Other Method Construction:	
Pipe Information	
Pipe ID: Casing No:	10593429 1
Comment:	I
Alt Name:	
Construction Record - Casing	
Casing ID:	930078472
Layer: Material:	I
Open Hole or Material:	
Depth From: Depth To:	47
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	π

# Results of Well Yield Testing

991523053
85.0
85.0
145.0
5.0
5.0
ft
GPM
2
CLOUDY
1
1
30
No

934649029
45
85.0
ft

# Draw Down & Recovery

Pump Test Detail ID:	934112628
Test Type:	
Test Duration:	15
Test Level:	68.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934906233
Test Type:	
Test Duration:	60
Test Level:	85.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934388047
Test Type:	
Test Duration:	30
Test Level:	73.0
Test Level UOM:	ft

# Water Details

Water ID:	933481170
Layer:	3
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	146.0
Water Found Depth UOM:	ft

# Water Details

Water ID:	933481168
Layer:	1
Kind Code:	1

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

#### Water Details

933481169
2
1
FRESH
132.0
ft

#### Site:

lot 27 ON

Well ID:	1523046	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	12/13/1988
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	2351
Casing Material:		Form Version:	1
Audit No:	37566	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	027
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:		•	
Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:		Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	

# Bore Hole Information

Bore Hole ID:	10044852	Elevation:	
DP2BR:	11.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	01-Nov-1988 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na

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

#### Overburden and Bedrock Materials Interval

931053344
2
8
BLACK
17
SHALE

237

Database: WWIS

Mat3:	
Mat3 Desc:	
Formation Top Depth:	11.0
Formation End Depth:	190.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID:	024052242
Formation ID:	931053343
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	11.0
Formation End Depth UOM:	ft

# Annular Space/Abandonment Sealing Record

Plug ID:	933110081
Layer:	1
Plug From:	3
Plug To:	22
Plug Depth UOM:	ft

#### Method of Construction & Well Use

Method Construction ID:	961523046
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

# Pipe Information

Pipe ID:	10593422
Casing No:	1
Comment:	
Alt Name:	

# Construction Record - Casing

Casing ID:	930078465
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Results of Well Yield Testing

Pump Test ID:	991523046
Pump Set At:	
Static Level:	8.0

180.0
185.0
1.0
1.0
ft
GPM
2
CLOUDY
2
0
55
No

Pump Test Detail ID:	934112621
Test Type:	Draw Down
Test Duration:	15
Test Level:	110.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934649024	
Test Type:	Draw Down	
Test Duration:	45	
Test Level:	180.0	
Test Level UOM:	ft	

#### Draw Down & Recovery

Pump Test Detail ID:	934388042
Test Type:	Draw Down
Test Duration:	30
Test Level:	180.0
Test Level UOM:	ft

### Water Details

Water ID:	933481150
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	29.0
Water Found Depth UOM:	ft

# <u>Site:</u>

Database: WWIS

lot 23 ON				WWIS
Well ID:	1522672	Data Entry Status:		
Construction Date:		Data Src:	1	
Primary Water Use:	Commerical	Date Received:	10/7/1988	
Sec. Water Use:		Selected Flag:	True	
Final Well Status:	Water Supply	Abandonment Rec:		
Water Type:		Contractor:	2351	
Casing Material:		Form Version:	1	
Audit No:	13182	Owner:		
Tag:		Street Name:		
Construction Method:		County:	OTTAWA	
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP	
Elevation Reliability:		Site Info:		
Depth to Bedrock:		Lot:	023	
Well Depth:		Concession:		
Overburden/Bedrock:		Concession Name:		

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

#### Bore Hole Information

Bore Hole ID:	10044482	
DP2BR:	27.00	
Spatial Status:		
Code OB:	r	
Code OB Desc:	Bedrock	
Open Hole:		
Cluster Kind:		
Date Completed:	26-Sep-1988 00:00:00	
Remarks:		
Elevrc Desc:		
Location Source Date	:	
Improvement Location	n Source:	
Improvement Location Method:		
Source Revision Comment:		
Supplier Comment:		

#### Easting NAD83: Northing NAD83: Zone: UTM Reliability:

Elevation:Elevrc:Zone:18East83:North83:Org CS:UTMRC:9UTMRC Desc:unknown UTMLocation Method:na

#### Overburden and Bedrock Materials Interval

Formation ID:	931052237
Layer:	3
Color:	3
General Color:	BLUE
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	27.0
Formation End Depth:	129.0
Formation End Depth UOM:	ft

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

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Formation ID:	931052235
Layer:	1
Color:	7
General Color:	RED
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	24.0
Formation End Depth UOM:	ft

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

Formation ID:	931052236
Layer:	2
Color:	2
General Color:	GREY

Mat1:	28
Most Common Material:	SAND
Mat2:	90
Mat2 Desc:	VERY
Mat3:	08
Mat3 Desc:	FINE SAND
Formation Top Depth:	24.0
Formation End Depth:	27.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

931052238
4
8
BLACK
17
SHALE
129.0
242.0
ft

# Method of Construction & Well Use

Method Construction ID:	961522672
Method Construction Code:	1
Method Construction: Other Method Construction:	Cable Tool

# Pipe Information

Pipe ID:	10593052
Casing No:	1
Comment:	
Alt Name:	

# Construction Record - Casing

Casing ID:	930077796
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	27
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Results of Well Yield Testing

Pump Test ID:	991522672
Pump Set At:	
Static Level:	9.0
Final Level After Pumping:	239.0
Recommended Pump Depth:	236.0
Pumping Rate:	2.0
Flowing Rate:	
Recommended Pump Rate:	2.0
Levels UOM:	ft

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

Pump Test Detail ID:	934386427
Test Type:	Draw Down
Test Duration:	30
Test Level:	220.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934656222
Test Type:	Draw Down
Test Duration:	45
Test Level:	239.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934111002
Test Type:	Draw Down
Test Duration:	15
Test Level:	195.0
Test Level UOM:	ft

# Draw Down & Recovery

lot 26 ON

Pump Test Detail ID:	934904619
Test Type:	Draw Down
Test Duration:	60
Test Level:	239.0
Test Level UOM:	ft

# Water Details

Water ID:	933480645
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	75.0
Water Found Depth UOM:	ft

# <u>Site:</u>

Well ID.	1522326	Data Entry Status:	
Construction Date:	1022020	Data Src:	1
Primary Water Use:	Domestic	Date Received:	6/10/1988
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	2351
Casing Material:		Form Version:	1
Audit No:	12610	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:		Site Info:	

242

Database: WWIS Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

#### Bore Hole Information

Bore Hole ID: 10044138 DP2BR: 14.00 Spatial Status: Code OB: r Bedrock Code OB Desc: **Open Hole:** Cluster Kind: 20-May-1988 00:00:00 Date Completed: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### Overburden and Bedrock Materials Interval

Formation ID:	931050968
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	6.0
Formation End Depth:	14.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

931050969
3
3
BLUE
17
SHALE
14.0
28.0
ft

#### Overburden and Bedrock Materials Interval

Formation ID:

931050967

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

Elevation:Elevrc:Zone:18East83:North83:Org CS:UTMRC:9UTMRC Desc:unknown UTMLocation Method:na

Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3:	1 6 BROWN 05 CLAY
<i>Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:</i>	0.0 6.0 ft
Method of Construction & Well Use	
Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	961522326 1 Cable Tool
Pipe Information	
Pipe ID: Casing No: Comment: Alt Name:	10592708 1
Construction Record - Casing	
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	930077196 1 STEEL 21 6 inch ft
<u>Results of Well Yield Testing</u>	
Pump Test ID: Pump Set At: Static Level: Final Level After Pumping: Recommended Pump Depth: Pumping Rate:	991522326 4.0 17.0 22.0 21.0
Flowing Rate: Recommended Pump Rate: Levels UOM: Rate UOM: Water State After Test Code: Water State After Test: Pumping Test Method: Pumping Duration HR: Pumping Duration MIN: Flowing:	10.0 ft GPM 2 CLOUDY 2 1 0 No
Draw Down & Recoverv	

Pump Test Detail ID:	934655084
Test Type:	Draw Down
Test Duration:	45
Test Level:	17.0

#### Test Level UOM:

ft

#### Draw Down & Recovery

Pump Test Detail ID:	934903495
Test Type:	Draw Down
Test Duration:	60
Test Level:	17.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934109852
Test Type:	Draw Down
Test Duration:	15
Test Level:	17.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934385835
Test Type:	Draw Down
Test Duration:	30
Test Level:	17.0
Test Level UOM:	ft

# Water Details

Water ID:	933480167
Layer:	1
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	23.0
Water Found Depth UOM:	ft

#### Site:

<u>Site:</u> lot 23 ON				Database: WWIS
Well ID:	1522275	Data Entry Status:		
Construction Date:		Data Src:	1	
Primary Water Use:	Domestic	Date Received:	5/12/1988	
Sec. Water Use:		Selected Flag:	True	
Final Well Status:	Water Supply	Abandonment Rec:		
Water Type:		Contractor:	3749	
Casing Material:		Form Version:	1	
Audit No:	25140	Owner:		
Tag:		Street Name:		
Construction Method:		County:	OTTAWA	
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP	
Elevation Reliability:		Site Info:		
Depth to Bedrock:		Lot:	023	
Well Depth:		Concession:		
Overburden/Bedrock:		Concession Name:		
Pump Rate:		Easting NAD83:		
Static Water Level:		Northing NAD83:		
Flowing (Y/N):		Zone:		
Flow Rate:		UTM Reliability:		
Clear/Cloudy:				

#### Bore Hole Information

Bore Hole ID:	10044088	Elevation:	
DP2BR:	7.00	Elevrc:	
Spatial Status:		Zone:	18

245

Code OB:rCode OB Desc:BedrockOpen Hole:Cluster Kind:Cluster Kind:23-Nov-1987 00:00:00Date Completed:23-Nov-1987 00:00:00Remarks:Elevrc Desc:Location Source Date:Improvement Location Source:Improvement Location Method:Source Revision Comment:Supplier Comment:Supplier Comment:

#### Overburden and Bedrock Materials Interval

Formation ID:	931050783
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	25
Most Common Material:	OVERBURDEN
Mat2:	12
Mat2 Desc:	STONES
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	1.0
Formation End Depth:	7.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

931050782
1
8
BLACK
02
TOPSOIL
85
SOFT
0.0
1.0
ft

#### Overburden and Bedrock Materials Interval

931050784
3
2
GRET
15
LIMESTONE
80
POROUS
85
SOFT
7.0
96.0
ft

# Annular Space/Abandonment

East83: North83: Org CS: UTMRC: 9 UTMRC Desc: uni Location Method: na

9 unknown UTM

#### Sealing Record

933109785
1
0
4
ft

#### Method of Construction & Well Use

Method Construction ID:	961522275
Method Construction ID. Method Construction Code:	1
Method Construction	Cable Tool
Other Method Construction:	

# Pipe Information

Pipe ID:	10592658
Casing No:	1
Comment:	
Alt Name:	

#### Construction Record - Casing

Casing ID:	930077110
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	40
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

#### Results of Well Yield Testing

Pump Test ID:	991522275
Pump Set At:	
Static Level:	27.0
Final Level After Pumping:	41.0
Recommended Pump Depth:	90.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	8.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	30
Flowing:	No
-	

# Draw Down & Recovery

Pump Test Detail ID:	934655035
Test Type:	
Test Duration:	45
Test Level:	41.0
Test Level UOM:	ft

# Draw Down & Recovery

934109803
15
31.0
ft

Pump Test Detail ID:	934903450
Test Type:	
Test Duration:	60
Test Level:	41.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934385786
Test Type:	
Test Duration:	30
Test Level:	36.0
Test Level UOM:	ft

# Water Details

3480102
0100102
RESH
.0

# Water Details

Water ID:	933480103
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	91.0
Water Found Depth UOM:	ft

# <u>Site:</u>

#### lot 28 ON

Well ID:	1522253	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	4/8/1988
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	2351
Casing Material:		Form Version:	1
Audit No:	12607	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	028
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:		-	

# Bore Hole Information

Bore Hole ID:	1004406	66	Elevation:	
DP2BR: Spatial Status:			Elevrc: Zono:	18
Spallal Status. Code OB [.]	0		East83	10
Code OB Desc:	Overbur	den	North83:	
Open Hole:			Org CS:	
Cluster Kind:			UTMRC:	9
Date Completed:	01-Feb-'	1988 00:00:00	UTMRC Desc:	unknown UTM
Remarks:			Location Method:	na
Elevrc Desc:				
Location Source Date:				
Improvement Location	1 Source:			
Source Pevision Com	n metriod: mont:			
Supplier Comment:	ment.			
cuppiler commenti				
Overburden and Bedro	<u>ock</u>			
<u>Materials Interval</u>				
Formation ID:		931050713		
Layer:		3		
Color:		8		
General Color:		BLACK		
Mat1:				
Most Common Materia	a):			
Mat2 Desc		COARSE GRAVE!		
Mat3:				
Mat3 Desc:				
Formation Top Depth:		23.0		
Formation End Depth:		32.0		
	UOM·	ft		
Formation End Depth		it .		
Formation End Depth		it.		
Coverburden and Bedro	<u>ock</u>	it.		
Formation End Depth Overburden and Bedro Materials Interval	ock	n.		
<u>Overburden and Bedra</u> <u>Materials Interval</u>	ock	931050711		
Coverburden and Bedra <u>Materials Interval</u> Formation ID: Layer:	ock	931050711 1		
<i>Overburden and Bedra</i> <u>Overburden and Bedra</u> <u>Materials Interval</u> Formation ID: Layer: Color:	ock	931050711 1 7		
<i>Overburden and Bedra</i> <u><i>Overburden and Bedra</i></u> <u><i>Materials Interval</i> <i>Formation ID:</i> <i>Layer:</i> <i>Color:</i> <i>General Color:</i></u>	ock	931050711 1 7 RED		
<i>Overburden and Bedra</i> <u><i>Overburden and Bedra</i></u> <u><i>Materials Interval</i></u> <i>Formation ID:</i> <i>Layer:</i> <i>Color:</i> <i>General Color:</i> <i>Mat1:</i>	<u>ock</u>	931050711 1 7 RED 05		
Formation End Depth         Overburden and Bedra         Materials Interval         Formation ID:         Layer:         Color:         General Color:         Mat1:         Most Common Materia	ock ock	931050711 1 7 RED 05 CLAY		
Formation End Depth         Overburden and Bedra         Materials Interval         Formation ID:         Layer:         Color:         General Color:         Mat1:         Most Common Materia         Mat2:         Mat2:	ock al:	931050711 1 7 RED 05 CLAY		
Formation End Depth <u>Overburden and Bedra</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Materia Mat2: Mat2 Desc: Mat3:	ock al:	931050711 1 7 RED 05 CLAY		
Formation End Depth         Overburden and Bedra         Materials Interval         Formation ID:         Layer:         Color:         General Color:         Mat1:         Most Common Materia         Mat2:         Mat3:         Mat3 Desc:	ock al:	931050711 1 7 RED 05 CLAY		
Cornation End DepthOverburden and BedraMaterials IntervalFormation ID:Layer:Color:General Color:Mat1:Most Common MateriaMat2:Mat3:Mat3 Desc:Formation Top Depth:	ock al:	931050711 1 7 RED 05 CLAY 0.0		
Cornation End DepthOverburden and BedraMaterials IntervalFormation ID:Layer:Color:General Color:Mat1:Most Common MateriaMat2:Mat3:Mat3:Formation Top Depth:Formation End Depth:	ock al:	931050711 1 7 RED 05 CLAY 0.0 17.0		
Correction End DepthOverburden and BedraMaterials IntervalFormation ID:Layer:Color:General Color:Mat1:Most Common MateriaMat2:Mat2 Desc:Mat3:Mat3 Desc:Formation Top Depth:Formation End DepthFormation End Depth	ock al: UOM:	931050711 1 7 RED 05 CLAY 0.0 17.0 ft		
Correction End DepthOverburden and BedraMaterials IntervalFormation ID:Layer:Color:General Color:Mat1:Most Common MateriaMat2:Mat2 Desc:Mat3:Mat3 Desc:Formation Top Depth:Formation End DepthFormation End Depth	ock ock uom:	931050711 1 7 RED 05 CLAY 0.0 17.0 ft		
Correction End DepthOverburden and BedraMaterials IntervalFormation ID:Layer:Color:General Color:Mat1:Most Common MateriaMat2:Mat2 Desc:Mat3:Mat3:Formation Top Depth:Formation End DepthFormation End DepthFormation End Depth	ock al: UOM: ock	931050711 1 7 RED 05 CLAY 0.0 17.0 ft		
Overburden and Bedra         Materials Interval         Formation ID:         Layer:         Color:         General Color:         Mat1:         Most Common Materia         Mat2:         Mat3 Desc:         Formation End Depth:         Formation End Depth         Formation End Depth         Overburden and Bedra         Materials Interval	ock al: UOM: <u>ock</u>	931050711 1 7 RED 05 CLAY 0.0 17.0 ft		
Overburden and Bedra         Materials Interval         Formation ID:         Layer:         Color:         General Color:         Mat1:         Most Common Materia         Mat2:         Mat3 Desc:         Formation End Depth:         Formation End Depth         Formation End Depth         Overburden and Bedra         Materials Interval	ock al: UOM: <u>ock</u>	931050711 1 7 RED 05 CLAY 0.0 17.0 ft		
Pormation End Depth         Overburden and Bedra         Materials Interval         Formation ID:         Layer:         Color:         General Color:         Mat1:         Most Common Materia         Mat2:         Mat3 Desc:         Formation Top Depth:         Formation End Depth         Formation End Depth         Materials Interval         Formation ID:         Layer:	ock al: UOM: <u>ock</u>	931050711 1 7 RED 05 CLAY 0.0 17.0 ft 931050712 2		
Pormation End Depth         Overburden and Bedra         Materials Interval         Formation ID:         Layer:         Color:         General Color:         Mat1:         Most Common Materia         Mat2:         Mat3 Desc:         Formation Top Depth:         Formation End Depth         Formation End Depth         Overburden and Bedra         Materials Interval         Formation ID:         Layer:         Color:	uom: <u>ock</u>	931050711 1 7 RED 05 CLAY 0.0 17.0 ft 931050712 2 3		
Pormation End Depth         Overburden and Bedra         Materials Interval         Formation ID:         Layer:         Color:         General Color:         Mat1:         Most Common Materia         Mat2:         Mat3:         Mat3:         Formation Top Depth:         Formation End Depth         Formation End Depth         Pormation End Depth         Formation Interval         Formation ID:         Layer:         Color:         General Color:	uom: <u>ock</u>	931050711 1 7 RED 05 CLAY 0.0 17.0 ft 931050712 2 3 BLUE		
Pormation End Depth         Overburden and Bedra         Materials Interval         Formation ID:         Layer:         Color:         General Color:         Mat1:         Most Common Materia         Mat2:         Mat3 Desc:         Formation Top Depth:         Formation End Depth         Formation End Depth         Formation Interval         Formation ID:         Layer:         Color:         General Color:         Materials Interval	uom: <u>ock</u>	931050711 1 7 RED 05 CLAY 0.0 17.0 ft 931050712 2 3 BLUE 05		
Pormation End Depth         Overburden and Bedra         Materials Interval         Formation ID:         Layer:         Color:         General Color:         Mat1:         Most Common Materia         Mat2:         Mat3 Desc:         Formation Top Depth:         Formation End Depth         Formation End Depth         Overburden and Bedra         Materials Interval         Formation ID:         Layer:         Color:         General Color:         Materials Interval         Formation ID:         Layer:         Color:         General Color:         Mat1:         Most Common Materia	ock al: UOM: ock al:	931050711 1 7 RED 05 CLAY 931050712 2 3 BLUE 05 CLAY		
Pormation End Depth         Overburden and Bedra         Materials Interval         Formation ID:         Layer:         Color:         General Color:         Mat1:         Most Common Materia         Mat2:         Mat3 Desc:         Formation Top Depth:         Formation End Depth         Formation End Depth         Formation ID:         Layer:         Color:         General Color:         Materials Interval         Formation ID:         Layer:         Color:         General Color:         Mat1:         Most Common Materia         Mat2:	ock al: UOM: ock al:	931050711 1 7 RED 05 CLAY 931050712 2 3 BLUE 05 CLAY		
Formation End Depth         Overburden and Bedra         Materials Interval         Formation ID:         Layer:         Color:         General Color:         Mat1:         Most Common Materia         Mat2:         Mat3 Desc:         Formation Top Depth:         Formation End Depth         Formation End Depth         Formation ID:         Layer:         Color:         General Color:         Materials Interval         Formation ID:         Layer:         Color:         General Color:         Mat1:         Most Common Materia         Mat2:         Mat2: <t< th=""><th>ock al: uom: <u>ock</u> al:</th><th>931050711 1 7 RED 05 CLAY 0.0 17.0 ft 931050712 2 3 BLUE 05 CLAY</th><th></th><th></th></t<>	ock al: uom: <u>ock</u> al:	931050711 1 7 RED 05 CLAY 0.0 17.0 ft 931050712 2 3 BLUE 05 CLAY		
Formation End Depth         Overburden and Bedra         Materials Interval         Formation ID:         Layer:         Color:         General Color:         Mat1:         Most Common Materia         Mat2:         Mat3 Desc:         Formation Top Depth:         Formation End Depth         Formation End Depth         Formation ID:         Layer:         Color:         General Color:         Mat2:         Mat3 Desc:         Formation Top Depth:         Formation End Depth         Overburden and Bedra         Materials Interval         Formation ID:         Layer:         Color:         General Color:         Mat1:         Most Common Materia         Mat2:         Mat3:	ock al: uom: <u>ock</u> al:	931050711 1 7 RED 05 CLAY 0.0 17.0 ft 931050712 2 3 BLUE 05 CLAY		
Formation End Depth         Overburden and Bedra         Materials Interval         Formation ID:         Layer:         Color:         General Color:         Mat1:         Most Common Materia         Mat2:         Mat3:         Mat3:         Mat3:         Mat3:         Formation Top Depth:         Formation End Depth         Formation End Depth         Overburden and Bedra         Materials Interval         Formation ID:         Layer:         Color:         General Color:         Mat1:         Most Common Materia         Mat2:         Mat2:         Mat3:         Mat2:         Mat2:         Mat2:         Mat2:         Mat2:         Mat2:         Mat2:         Mat3:	ock al: ock ock al:	931050711 1 7 RED 05 CLAY 0.0 17.0 ft 931050712 2 3 BLUE 05 CLAY 17.0		

Formation End Depth: Formation End Depth UOM:	23.0 ft
Method of Construction & Well Use	
Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	961522253 1 Cable Tool
Pipe Information	
Pipe ID: Casing No: Comment: Alt Name:	10592636 1
Construction Record - Casing	
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	930077071 1 STEEL 32 6 inch ft
Results of Well Yield Testing	
Pump Test ID: Pump Set At: Static Level: Final Level After Pumping: Recommended Pump Depth: Pumping Rate: Flowing Rate: Recommended Pump Rate: Levels UOM: Rate UOM: Water State After Test Code:	991522253 9.0 24.0 25.0 23.0 10.0 ft GPM 2
Water State After Test: Pumping Test Method: Pumping Duration HR: Pumping Duration MIN: Flowing:	CLOUDY 2 1 0 No
<u>Draw Down &amp; Recovery</u>	
Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM:	934109361 Draw Down 15 18.0 ft
Draw Down & Recovery	
Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM:	934654595 Draw Down 45 24.0 ft

Pump Test Detail ID:	934385764
Test Type:	Draw Down
Test Duration:	30
Test Level:	24.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934903428
Test Type:	Draw Down
Test Duration:	60
Test Level:	24.0
Test Level UOM:	ft

#### Water Details

Water ID:	933480070
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	32.0
Water Found Depth UOM:	ft

#### Site:

#### lot 28 ON

Well ID:	1521841	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	10/22/1987
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	2351
Casing Material:		Form Version:	1
Audit No:	12546	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	028
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

# Bore Hole Information

Bore Hole ID:	10043654	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:	0	East83:	
Code OB Desc:	Overburden	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	24-Sep-1987 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			

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

#### Overburden and Bedrock Materials Interval

Formation ID:	931049337
Layer:	1
Color:	7
General Color:	RED
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	23.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3:	931049339 3 8 BLACK 11 GRAVEL 31 COARSE GRAVEL
Mat3 Desc:	
Formation Top Depth:	36.0
Formation End Depth:	37.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID:	931049338
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	23.0
Formation End Depth:	36.0
Formation End Depth UOM:	ft

#### Method of Construction & Well Use

Method Construction ID:	961521841
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

# Pipe Information

# Pipe ID:
Casing No: Comment: Alt Name:

# Construction Record - Casing

Casing ID:	930076274
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	37
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Results of Well Yield Testing

991521841
8.0
17.0
32.0
45.0
10.0
ft
GPM
2
CLOUDY
2
1
10
No

#### Draw Down & Recovery

Pump Test Detail ID:	934391259
Test Type:	Draw Down
Test Duration:	30
Test Level:	17.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934653378
Test Type:	Draw Down
Test Duration:	45
Test Level:	17.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934108135
Test Type:	Draw Down
Test Duration:	15
Test Level:	16.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID: Test Type: Test Duration:

253

934910609

Draw Down

60

Test Level:	17.0
Test Level UOM:	ft

#### Water Details

Water ID:	933479548
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	37.0
Water Found Depth UOM:	ft
Water Found Depth UOM:	ft

Site:

lot 25 ON

Well ID: 1521088 Data Entry Status: **Construction Date:** Data Src: 1 1/13/1987 Primary Water Use: Domestic Date Received: Sec. Water Use: Selected Flag: True Final Well Status: Water Supply Abandonment Rec: 2351 Water Type: Contractor: Casing Material: Form Version: 1 Audit No: NA Owner: Street Name: Tag: OTTAWA **Construction Method:** County: Municipality: CUMBERLAND TOWNSHIP Elevation (m): Elevation Reliability: Site Info: Depth to Bedrock: Lot: 025 Well Depth: Concession: . Overburden/Bedrock: Concession Name: Pump Rate: Easting NAD83: Static Water Level: Northing NAD83: Flowing (Y/N): Zone: UTM Reliability: Flow Rate: Clear/Cloudy:

#### Bore Hole Information

Bore Hole ID:	10042925	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:	0	East83:	
Code OB Desc:	Overburden	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	18-Nov-1986 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			

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

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

Formation ID:	931046786
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	

254

Order No: 21073001373

<i>Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:</i>	14.0 164.0 ft
<u>Overburden and Bedrock</u> <u>Materials Interval</u>	
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3:	931046788 4 8 BLACK 11 GRAVEL
<i>Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:</i>	200.0 201.0 ft
Overburden and Bedrock Materials Interval	
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat2	931046785 1 6 BROWN 28 SAND
Mats: Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	0.0 14.0 ft
Overburden and Bedrock Materials Interval	
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3:	931046787 3 2 GREY 28 SAND
Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	164.0 200.0 ft
Method of Construction & Well Use	
Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	961521088 1 Cable Tool

# Pipe Information

Pipe ID:	10591495
Casing No:	1
Comment: Alt Name:	

# Construction Record - Casing

Casing ID:	930074922
Layer:	1
Material:	1
Open Hole or Material: Depth From: Depth To:	201
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

#### Results of Well Yield Testing

Pump Test ID:	991521088
Pump Set At:	5.0
Static Level: Final Level After Pumping:	5.0 10.0
Recommended Pump Depth	25.0
Pumping Rate:	20.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

# Draw Down & Recovery

Pump Test Detail ID:	934389615
Test Type:	Draw Down
Test Duration:	30
Test Level:	10.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934105377
Test Type:	Draw Down
Test Duration:	15
Test Level:	10.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934908275
Test Type:	Draw Down
Test Duration:	60
Test Level:	10.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:

934650628

Test Type:	
Test Duration:	
Test Level:	
Test Level UOM:	

#### Water Details

Water ID:	933478538
Layer:	1
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	201.0
Water Found Depth UOM:	ft

Draw Down 45 10.0 ft

#### Site:

lot 24 ON

Well ID:	1528754	Data Entry Status:	
Construction Date:		Data Src:	6
Primary Water Use:	Domestic	Date Received:	10/26/1995
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	6006
Casing Material:		Form Version:	1
Audit No:	154666	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	024
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:		-	

#### Bore Hole Information

Bore Hole ID:	10050290	Elevation:	
DP2BR:	40.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	29-Jun-1995 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			

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

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

Formation ID:	931070687
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28

257

Mat2 Desc:	SAND
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	0.0
Formation End Depth:	6.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3:	931070688 2 GREY 05 CLAY 85 SOFT
Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	6.0 17.0 ft

#### Overburden and Bedrock Materials Interval

Formation ID:	931070690
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	17
Most Common Material:	SHALE
Mat2:	73
Mat2 Desc:	HARD
Mat3:	
Mat3 Desc:	
Formation Top Depth:	40.0
Formation End Depth:	44.0
Formation End Depth UOM:	ft

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

<u>IVIALEI IAIS IIILEI VAI</u>

Formation ID:	931070689
Layer:	3
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	17.0
Formation End Depth:	40.0
Formation End Depth UOM:	ft

# <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

Plug ID:	933113707
Layer:	1
Plug From:	0
Plug To:	20

Plug Depth UOM:	ft
Method of Construction & Well	

<u>Use</u>	
Method Construction ID:	961528754
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

#### Pipe Information

Pipe ID:	10598860
Casing No:	1
Comment:	
Alt Name:	

#### Construction Record - Casing

Casing ID:	930087883
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Construction Record - Casing

Casing ID:	930087882
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	40
Casing Diameter:	7
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

#### Results of Well Yield Testing

991528754
18.0
25.0
35.0
30.0
10.0
ft
GPM
1
CLEAR
2
1
0
No

# Draw Down & Recovery

Pump Test Detail ID:	934388867
Test Type:	

Test Duration:	30
Test Level:	25.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934105241
Test Type:	
Test Duration:	15
Test Level:	25.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID: Test Type:	934649384
Test Level:	25.0
Test Level UOM:	ft

#### Draw Down & Recovery

934906566
60
25.0
ft

#### Water Details

Water ID:	933488581
Layer:	י
Kind Code:	1
Kind:	בסביגו
Water Found Depth:	40.0
Water Found Depth UOM:	ft

# <u>Site:</u>

lot 27 ON

Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Cosing Metorial:	1520967 Domestic Water Supply	Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Earm Varsion:	1 11/24/1986 True 3644 1
Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:	02061	Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	' OTTAWA CUMBERLAND TOWNSHIP 027

#### Bore Hole Information

#### Bore Hole ID:

10042808

Elevation:

DP2BR: 5.00 Spatial Status: Code OB: r Code OB Desc: Bedrock **Open Hole:** Cluster Kind: Date Completed: 05-Sep-1986 00:00:00 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### Overburden and Bedrock Materials Interval

Formation ID:	931046426
Layer:	1
Color:	2
General Color:	GREY
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	12
Mat2 Desc:	STONES
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:	931046427
Layer:	2
Color:	2
General Color:	GREY
Mat1:	17
Most Common Material:	SHALE
Mat2:	15
Mat2 Desc:	LIMESTONE
Mat3:	
Mat3 Desc:	
Formation Top Depth:	5.0
Formation End Depth:	290.0
Formation End Depth UOM:	ft

#### <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

Plug ID:	933109294
Layer:	1
Plug From:	0
Plug To:	40
Plug Depth UOM:	ft

#### Method of Construction & Well Use

Method Construction ID:	961520967
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Elevrc:Zone:18East83:7North83:0rg CS:UTMRC:9UTMRC Desc:unitLocation Method:na

9 unknown UTM na

#### Pipe Information

Pipe ID:	10591378
Casing No:	1
Comment:	
Alt Name:	

# Construction Record - Casing

Casing ID:	930074715
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	40
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

#### Construction Record - Casing

Casing ID:	930074716
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	290
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

#### Results of Well Yield Testing

Pump Test ID:	991520967
Pump Set At:	
Static Level:	100.0
Final Level After Pumping:	280.0
Recommended Pump Depth:	280.0
Pumping Rate:	4.0
Flowing Rate:	
Recommended Pump Rate:	6.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

#### Draw Down & Recovery

Pump Test Detail ID:	934907753
Test Type:	
Test Duration:	60
Test Level:	280.0
Test Level UOM:	ft

# Draw Down & Recovery

934104296
15

Test Level:	280.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934389513
Test Type:	
Test Duration:	30
Test Level:	280.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934650108
Test Type:	
Test Duration:	45
Test Level:	280.0
Test Level UOM:	ft

# Water Details

Water ID:	933478389
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	280.0
Water Found Depth UOM:	ft

# <u>Site:</u>

lot 27 ON

Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type:	1520769 Commerical Water Supply	Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor:	1 9/25/1986 True 2351
Casing Material: Audit No:	NA	Form Version: Owner:	1
Tag: Construction Method:		Street Name: Countv:	OTTAWA
Elevation (m):		Municipality: Site Info:	CUMBERLAND TOWNSHIP
Depth to Bedrock: Well Depth:		Lot: Concession:	027
Pump Rate: Static Water Level:		Easting NAD83: Northing NAD83:	
Flowing (Y/N): Flow Rate: Clear/Cloudy:		Zone: UTM Reliability:	

# Bore Hole Information

Bore Hole ID:	10042610	Elevation:	
DP2BR:	21.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	22-Aug-1986 00:00:00	UTMRC Desc:	unknown UTM
Remarks:	-	Location Method:	na
Elevrc Desc:			
Location Source Date:			

Database: WWIS

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

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

Formation ID:	931045762
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	19.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID:	931045764
Layer:	3
Color:	3
General Color:	BLUE
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	21.0
Formation End Depth:	40.0
Formation End Depth UOM:	ft

# Overburden and Bedrock

Materi	ials	Inter	val

931045763
2
8
BLACK
11
GRAVEL
19.0
21.0
ft

# Method of Construction & Well Use

Method Construction ID:	961520769
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

#### Pipe Information

10591180
1

# Construction Record - Casing

Casing ID:	930074370
Layer:	1
Material:	1
Open Hole or Material: Depth From:	STEEL
Depth To:	21
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

#### Results of Well Yield Testing

Pump Test ID:	991520769
Pump Set At:	0.0
Static Level:	6.0
Final Level After Pumping:	12.0
Recommended Pump Depth:	20.0
Pumping Rate:	40.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	25
Flowing:	No

# Draw Down & Recovery

Pump Test Detail ID:	934104812
Test Type:	Draw Down
Test Duration:	15
Test Level:	12.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934649508
Test Type:	Draw Down
Test Duration:	45
Test Level:	12.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934387932
Test Type:	Draw Down
Test Duration:	30
Test Level:	12.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:

934906588

Test Type:	
Test Duration:	
Test Level:	
Test Level UOM:	

#### Water Details

Water ID:	933478114
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	38.0
Water Found Depth UOM:	ft

Draw Down 60 12.0 ft

#### Site:

lot 24 ON

Well ID:	1518742	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	12/13/1983
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	2351
Casing Material:		Form Version:	1
Audit No:		Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	024
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:		· · · · ·	

#### Bore Hole Information

Bore Hole ID:	10040612	Elevation:	
DP2BR:	20.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	02-Nov-1983 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			

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

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

931039409
1
6
BROWN
05
CLAY

Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth: Formation End Depth:	0.0 17.0
Formation End Depth UOM: Overburden and Bedrock Materials Interval	ft
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3:	931039410 2 8 BLACK 11 GRAVEL
Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	17.0 20.0 ft
Overburden and Bedrock Materials Interval	
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2:	931039411 3 8 BLACK 17 SHALE
Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	20.0 48.0 ft
Method of Construction & Well Use	
Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	961518742 1 Cable Tool
Pipe Information	
Pipe ID: Casing No: Comment: Alt Name:	10589182 1
Construction Record - Casing	
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To:	930070906 1 1 STEEL 20
Casing Diameter:	6

Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Results of Well Yield Testing

Pump Test ID:	991518742
Pump Set At:	
Static Level:	14.0
Final Level After Pumping:	25.0
Recommended Pump Depth:	
Pumping Rate:	45.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	50
Flowing:	No

#### Draw Down & Recovery

Pump Test Detail ID:	934103218
Test Type:	
Test Duration:	15
Test Level:	25.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934380476
Test Type:	
Test Duration:	30
Test Level:	25.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934650459
Test Type:	
Test Duration:	45
Test Level:	25.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934899579
Test Type:	
Test Duration:	60
Test Level:	25.0
Test Level UOM:	ft

# Water Details

Water ID:	933475533
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	31.0
Water Found Depth UOM:	ft

#### Site:

lot 27 ON

Well ID: 1518033 Construction Date: Primary Water Use: Cooling And A/C Sec. Water Use: Final Well Status: Water Supply Water Type: Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

#### Bore Hole Information

Bore Hole ID:	10039904	Elevation:	
DP2BR:	15.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	29-Jan-1982 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			

Data Entry Status:

Abandonment Rec:

Date Received:

Selected Flag:

Form Version:

Municipality:

Concession:

Concession Name:

Easting NAD83:

Northing NAD83:

UTM Reliability:

Contractor:

Owner: Street Name:

County:

Site Info:

Lot:

Zone:

1

True

1558

OTTAWA

OTTAWA CITY

1

027

12/13/1982

Data Src:

Overburden and Bedrock Materials Interval

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

Formation ID:	931037131
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	27.0
Formation End Depth:	100.0
Formation End Depth UOM:	ft

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

931037128
1
6
BROWN

269

Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mats Desc	
Formation Top Depth:	0.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft
Overburden and Bedrock Materials Interval	
Formation ID:	931037130
Layer:	3
Color:	8
General Color:	BLACK
Matt: Most Common Matorial:	17 SHALE
Material. Material	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	15.0
Formation End Depth:	27.0
Formation End Depth UOM:	π
Overburden and Bedrock Materials Interval	
Formation ID:	931037129
Laver:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2: Mat2 Daga:	
Maiz Desc. Mat3·	
Mat3 Desc:	
Formation Top Depth:	10.0
Formation End Depth:	15.0
Formation End Depth UOM:	ft
Method of Construction & Well	
Method Construction ID:	961518033
Method Construction Code:	5 Air Derevezier
Method Construction: Other Method Construction:	All Percussion
ourer method construction.	
Pipe Information	
Pipe ID:	10588474
Casing No:	1
Comment:	
Alt Name:	
Construction Record - Casing	
Casing ID:	930069712
Layer:	1
Material:	1

Formation ID:	931037129
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	10.0
Formation End Depth:	15.0
Formation End Depth UOM	ft

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

Method Construction ID:	961518033
Method Construction Code:	5
Method Construction:	Air Percussior
Other Method Construction:	

Casing ID:	930069712
Layer:	1
Material:	1
Open Hole or Material:	STEEL

270

Depth From:	
Depth To:	23
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Construction Record - Casing

930069713
2
4
OPEN HOLE
100
6
inch
ft

# Results of Well Yield Testing

991518033
15.0
50.0
60.0
10.0
5.0
ft
GPM
1
CLEAR
1
1
0
No

# Draw Down & Recovery

Pump Test Detail ID:	934103360
Test Type:	Draw Down
Test Duration:	15
Test Level:	50.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934377689
Test Type:	Draw Down
Test Duration:	30
Test Level:	50.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934647523
Test Type:	Draw Down
Test Duration:	45
Test Level:	50.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:

934896797

Test Type:	
Test Duration:	
Test Level:	
Test Level UOM:	

#### Water Details

Water ID:	933474659
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	97.0
Water Found Depth UOM:	ft

Draw Down 60 50.0 ft

#### Site:

lot 28 ON

Well ID:	1528721	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Commerical	Date Received:	9/19/1995
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1517
Casing Material:		Form Version:	1
Audit No:	139536	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	028
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

#### Bore Hole Information

Bore Hole ID:	10050257	Elevation:	
DP2BR:	17.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	30-Jan-1995 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			

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

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

Formation ID:	931070582
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	81

272

Mat2 Desc: Mat3:	SANDY
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	4.0
Formation End Depth UOM:	ft
Overburden and Bedrock	
Materials Interval	
Formation ID:	931070585
Layer:	4
Color:	2

General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	26
Mat2 Desc:	ROCK
Mat3:	
Mat3 Desc:	
Formation Top Depth:	20.0
Formation End Depth:	61.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID:	931070584
Layer:	3
Color:	2
General Color:	GREY
Mat1:	17
Most Common Material:	SHALE
Mat2:	26
Mat2 Desc:	ROCK
Mat3:	
Mat3 Desc:	
Formation Top Depth:	17.0
Formation End Depth:	20.0
Formation End Depth UOM:	ft

# Overburden and Bedrock

<u>Materials Interval</u>

Formation ID:	931070583
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	14
Mat2 Desc:	HARDPAN
Mat3:	12
Mat3 Desc:	STONES
Formation Top Depth:	4.0
Formation End Depth:	17.0
Formation End Depth UOM:	ft

# <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

Plug ID:	933113662
Layer:	1
Plug From:	0
Plug To:	22

Plug Depth UOM:	ft
Method of Construction & Well	
<u>Use</u>	
Method Construction ID:	961528721
Mathed Construction Code:	1

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

#### Pipe Information

Pipe ID:	10598827
Casing No:	1
Comment:	
Alt Name:	

#### Construction Record - Casing

Casing ID:	930087834
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Results of Well Yield Testing

Pump Test ID:	991528721
Pump Set At:	
Static Level:	6.0
Final Level After Pumping:	15.0
Recommended Pump Depth:	40.0
Pumping Rate:	30.0
Flowing Rate:	
Recommended Pump Rate:	20.0
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:	934649359
Test Type:	Draw Down
Test Duration:	45
Test Level:	15.0
Test Level UOM:	ft

#### Draw Down & Recovery

934388842
Draw Down
30
15.0
ft

#### Draw Down & Recovery

Pump Test Detail ID:	934906541
Test Type:	Draw Down
Test Duration:	60
Test Level:	15.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934105216
Test Type:	Draw Down
Test Duration:	15
Test Level:	15.0
Test Level UOM:	ft

#### Water Details

Water ID:	933488537
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	40.0
Water Found Depth UOM:	ft

#### Site:

<u>Site:</u> lot 24 ON				Database: WWIS
Well ID:	1528513	Data Entry Status:		
Construction Date:		Data Src:	1	
Primary Water Use:	Domestic	Date Received:	6/16/1995	
Sec. Water Use:		Selected Flag:	True	
Final Well Status:	Water Supply	Abandonment Rec:		
Water Type:		Contractor:	1414	
Casing Material:		Form Version:	1	
Audit No:	152113	Owner:		
Tag:		Street Name:		
Construction Method:		County:	OTTAWA	
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP	
Elevation Reliability:		Site Info:		
Depth to Bedrock:		Lot:	024	
Well Depth:		Concession:		
Overburden/Bedrock:		Concession Name:		
Pump Rate:		Easting NAD83:		
Static Water Level:		Northing NAD83:		
Flowing (Y/N):		Zone:		
Flow Rate:		UTM Reliability		
Clear/Cloudy:		erni Kenabinty.		

#### Bore Hole Information

10050049	Elevation:	
56.00	Elevrc:	
	Zone:	18
r	East83:	
Bedrock	North83:	
	Org CS:	
	UTMRC:	9
01-Jun-1995 00:00:00	UTMRC Desc:	unknown UTM
	Location Method:	na
	10050049 56.00 r Bedrock 01-Jun-1995 00:00:00	10050049         Elevation:           56.00         Elevrc:           Zone:         Zone:           r         East83:           Bedrock         North83:           Org CS:         UTMRC:           01-Jun-1995 00:00:00         UTMRC Desc:           Location Method:         Location Method:

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

#### Supplier Comment:

# Overburden and Bedrock Materials Interval

Formation ID:	931069890
Layer:	5
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	56.0
Formation End Depth:	60.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID:	931069887
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	2.0
Formation End Depth:	8.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID:	931069886
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	85
Mat2 Desc:	SOFT
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:	931069889
Layer:	4
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	77
Mat2 Desc:	LOOSE
Mat3:	

Mat3 Desc:	
Formation Top Depth:	35.0
Formation End Depth:	56.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

931069888
3
2
GREY
05
CLAY
79
PACKED
8.0
35.0
ft

#### <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

Plug ID:	933113424
Layer:	1
Plug From:	0
Plug To:	30
Plug Depth UOM:	ft

#### Method of Construction & Well Use

Method Construction ID:	961528513
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

# Pipe Information

Pipe ID:	10598619
Casing No:	1
Comment:	
Alt Name:	

#### Construction Record - Casing

Casing ID:	930087466
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	56
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Construction Record - Casing

Casing ID:	930087467
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE

Depth From:	
Depth To:	60
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Results of Well Yield Testing

Pump Test ID:	991528513
Pump Set At:	
Static Level:	27.0
Final Level After Pumping:	50.0
Recommended Pump Depth:	55.0
Pumping Rate:	6.0
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:	934906007
Test Type:	Draw Down
Test Duration:	60
Test Level:	50.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934388308
Test Type:	Draw Down
Test Duration:	30
Test Level:	50.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934648824
Test Type:	Draw Down
Test Duration:	45
Test Level:	50.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test Detail ID:	934104683
Test Type:	Draw Down
Test Duration:	15
Test Level:	50.0
Test Level UOM:	ft

# Water Details

Water ID:	933488219
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	58.0

278

Site: lot 23 ON

Well ID: **Construction Date:** Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Tag: **Construction Method:** Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

# 1528466 Domestic Cooling And A/C Water Supply

ft

is: Water Supp I: 137710 Iethod: bility: ck: drock:

```
Data Src:
Date Received:
Selected Flag:
Abandonment Rec:
Contractor:
Form Version:
 1
Owner:
Street Name:
County:
Municipality:
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
```

UTM Reliability:

Data Entry Status:

1 4/20/1995 True 3749

OTTAWA CUMBERLAND TOWNSHIP

023

# Bore Hole Information

10050002 Bore Hole ID: DP2BR: 125.00 Spatial Status: Code OB: r Code OB Desc: Bedrock **Open Hole:** Cluster Kind: Date Completed: 24-Jul-1994 00:00:00 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

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

Formation ID:	931069732
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	42.0
Formation End Depth:	110.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

 Formation ID:
 931069734

 Layer:
 4

# Order No: 21073001373

18
9
unknown UTM
na

Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	78
Mat2 Desc:	MEDIUM-GRAINED
Mat3:	
Mat3 Desc:	
Formation Top Depth:	125.0
Formation End Depth:	185.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID:	931069731
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	0.0
Formation End Depth:	42.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID:	931069733
Layer:	3
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc: Mat3: Mat3 Desc:	GRAVEL
Formation Top Depth:	110.0
Formation End Depth:	125.0
Formation End Depth UOM:	ft

#### <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

Plug ID: Layer: Plug From:	933113381 1 6
Plug To:	40
Plug Depth UOM:	ft

# Method of Construction & Well Use

Method Construction ID:	961528466
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

# Pipe Information

Pipe ID:	10598572
Casing No:	1
Comment:	
Alt Name:	

#### Construction Record - Casing

Casing ID: Layer: Material:	930087369 1 1
Open Hole or Material: Depth From:	STEEL
Depth To:	127
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Results of Well Yield Testing

Pump Test ID:	991528466
Pump Set At:	
Static Level:	41.0
Final Level After Pumping:	68.0
Recommended Pump Depth:	
Pumping Rate:	25.0
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:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

#### Draw Down & Recovery

Pump Test Detail ID:	934648789	
Test Type:	Draw Down	
Test Duration:	45	
Test Level:	62.0	
Test Level UOM:	ft	

#### Draw Down & Recovery

Pump Test Detail ID:	934104647
Test Type:	Draw Down
Test Duration:	15
Test Level:	43.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934905972
Test Type:	Draw Down
Test Duration:	60
Test Level:	63.0
Test Level UOM:	ft

# Draw Down & Recovery

Pump Test L	Detail ID:
Test Type:	

934388272 Draw Down

Test Duration:	30
Test Level:	58.0
Test Level UOM:	ft

#### Water Details

Water ID:	933488133
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	138.0
Water Found Depth UOM:	ft

# Water Details

Water ID:	933488134
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	181.0
Water Found Depth UOM:	ft

lot 23 ON

#### Site:

Database: WWIS

Well ID: Construction Date: Primary Water Use: Sec. Water Use:	1526246 Domestic	Data Entry Status: Data Src: Date Received: Selected Flag:	1 6/18/1992 True
Final Well Status: Water Type: Casing Material:	Water Supply	Abandonment Rec: Contractor: Form Version:	2351 1
Audit No: Tag:	116362	Owner: Street Name:	
Construction Method: Elevation (m): Elevation Reliability:		County: Municipality: Site Info:	OTTAWA CUMBERLAND TOWNSHIP
Depth to Bedrock: Well Depth: Overburden/Bedrock:		Lot: Concession: Concession Name:	023
Pump Rate: Static Water Level: Flowing (Y/N):		Easting NAD83: Northing NAD83: Zone:	
Flow Rate: Clear/Cloudy:		UTM Reliability:	
Bore Hole Information			

Bore Hole ID:	10047964	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:	0	East83:	
Code OB Desc:	Overburden	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	27-May-1992 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			
Location Source Date:			
Improvement Location S	Source:		

# Overburden and Bedrock

Improvement Location Method: Source Revision Comment: Supplier Comment:

#### Materials Interval

Formation ID:	931063621
Layer:	3
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	61.0
Formation End Depth:	64.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc:	931063619 1 6 BROWN 28 SAND
Formation Top Depth:	0.0
Formation End Depth:	6.0
Formation End Depth UOM:	ft

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

Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2:	931063620 2 3 BLUE 05 CLAY
Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	6.0 61.0 ft

# Annular Space/Abandonment Sealing Record

933111586
1
4
20
ft

#### Method of Construction & Well Use

Method Construction ID:	961526246
Method Construction Code:	1
Method Construction:	Cable Tool

#### Pipe Information

Pipe ID:	10596534
Casing No:	1
Comment:	
Alt Name:	

# Construction Record - Casing

Casing ID:	930083959
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	64
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Results of Well Yield Testing

991526246
27.0
49.0
58.0
45.0
8.0
ft
GPM
2
CLOUDY
2
1
10
No

# Draw Down & Recovery

Pump Test Detail ID:	934106815
Test Type:	Draw Down
Test Duration:	15
Test Level:	37.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934390449
Test Type:	Draw Down
Test Duration:	30
Test Level:	48.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934651390
Test Type:	Draw Down
Test Duration:	45
Test Level:	49.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934908588
Test Type:	Draw Down
Test Duration:	60
Test Level:	49.0
Test Level UOM:	ft

#### Water Details

933485482
1
1
FRESH
64.0
ft

# Site:

lot 28 ON

lot 28 ON				VV VV13
Well ID:	1526147	Data Entry Status:		
Construction Date:		Data Src:	1	
Primary Water Use:	Domestic	Date Received:	5/28/1992	
Sec. Water Use:		Selected Flag:	True	
Final Well Status:	Water Supply	Abandonment Rec:		
Water Type:		Contractor:	2351	
Casing Material:		Form Version:	1	
Audit No:	095195	Owner:		
Tag:		Street Name:		
Construction Method:		County:	OTTAWA	
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP	
Elevation Reliability:		Site Info:		
Depth to Bedrock:		Lot:	028	
Well Depth:		Concession:		
Overburden/Bedrock:		Concession Name:		
Pump Rate:		Easting NAD83:		
Static Water Level:		Northing NAD83:		
Flowing (Y/N):		Zone:		
Flow Rate:		UTM Reliability:		
Clear/Cloudv:				
Bore Hole Information				

Bore Hole ID:	10047880	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:	0	East83:	
Code OB Desc:	Overburden	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UŤMRC:	9
Date Completed:	31-Mar-1992 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elayra Dagar			

Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

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

 Formation ID:
 931063365

 Layer:
 1

 Color:
 6

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Database:

General Color: Mat1:	BROWN 28
Most Common Material:	SAND
Mat2: Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth.	6.0 ft
Overburden and Bedrock Materials Interval	
Formation ID:	931063366
Layer:	2
Color:	3
General Color: Mat1:	BLUE 05
Most Common Material:	CLAY
Mat2: Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	6.0
Formation End Depth.	ft
Overburden and Bedrock Materials Interval	
Formation ID:	931063367
Layer:	3
Color: General Color:	8 BLACK
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc: Mat3:	
Mat3 Desc:	
Formation Top Depth:	61.0
Formation End Depth:	68.0
Formation End Depth UOM:	ft
<u>Annular Space/Abandonment</u> <u>Sealing Record</u>	
Plua ID:	933111547
Layer:	1
Plug From:	4
Plug To:	25
Plug Depth UOM:	π
Method of Construction & Well Use	
Method Construction ID:	961526147
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
<u>Pipe Information</u>	
Pipe ID:	10596450

Casing No: Comment: Alt Name:

# Construction Record - Casing

Casing ID:	930083817
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	68
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

# Results of Well Yield Testing

Pump Test ID:	991526147
Pump Set At:	
Static Level:	24.0
Final Level After Pumping:	56.0
Recommended Pump Depth:	63.0
Pumping Rate:	11.0
Flowing Rate:	
Recommended Pump Rate:	6.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	20
Flowing:	No

#### Draw Down & Recovery

Pump Test Detail ID:	934908093
Test Type:	
Test Duration:	60
Test Level:	56.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934106739
Test Type:	
Test Duration:	15
Test Level:	43.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934390373
Test Type:	
Test Duration:	30
Test Level:	52.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934650895
Test Type:	
Test Duration:	45

Test Level:	56.0
Test Level UOM:	ft

#### Water Details

Water ID:	933485366
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	68.0
Water Found Depth UOM:	ft
Water I ound Depth OOM.	ii ii

Site:

lot 24 ON

Well ID: 1526143 Data Entry Status: **Construction Date:** Data Src: 1 4/23/1992 Primary Water Use: Domestic Date Received: Sec. Water Use: Selected Flag: True Final Well Status: Water Supply Abandonment Rec: 2351 Water Type: Contractor: Casing Material: Form Version: 1 Audit No: 095189 Owner: Street Name: Tag: OTTAWA Construction Method: County: Municipality: CUMBERLAND TOWNSHIP Elevation (m): Elevation Reliability: Site Info: Depth to Bedrock: Lot: 024 Well Depth: Concession: . Overburden/Bedrock: Concession Name: Pump Rate: Easting NAD83: Static Water Level: Northing NAD83: Flowing (Y/N): Zone: UTM Reliability: Flow Rate: Clear/Cloudy:

#### Bore Hole Information

Bore Hole ID:	10047876	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:	0	East83:	
Code OB Desc:	Overburden	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	25-Mar-1992 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			

Overburden and Bedrock Materials Interval

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

Formation ID:	931063352
Layer:	3
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	08
Mat2 Desc:	FINE SAND
Mat3:	

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<i>Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:</i>	37.0 78.0 ft
<u>Overburden and Bedrock</u> Materials Interval	
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3:	931063351 2 3 BLUE 05 CLAY
<i>Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:</i>	26.0 37.0 ft
Overburden and Bedrock Materials Interval	
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3-	931063353 4 2 GREY 11 GRAVEL
Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	78.0 80.0 ft
Overburden and Bedrock Materials Interval	
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3:	931063350 1 6 BROWN 05 CLAY
<i>Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:</i>	0.0 26.0 ft
<u>Annular Space/Abandonment</u> <u>Sealing Record</u>	
Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:	933111543 1 4 20 ft

Plug To: Plug Depth UOM:

#### Method of Construction & Well Use

Method Construction ID:	961526143
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

#### Pipe Information

Pipe ID:	10596446
Casing No:	1
Comment:	
Alt Name:	

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

Casing ID:	930083813
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	80
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

#### Results of Well Yield Testing

Pump Test ID:	991526143
Pump Set At:	
Static Level:	16.0
Final Level After Pumping:	36.0
Recommended Pump Depth:	65.0
Pumping Rate:	45.0
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:	2
Pumping Duration HR:	1
Pumping Duration MIN:	10
Flowing:	No

### Draw Down & Recovery

Pump Test Detail ID:	934390369
Test Type:	
Test Duration:	30
Test Level:	36.0
Test Level UOM:	ft

### Draw Down & Recovery

Pump Test Detail ID:	934650891
Test Type:	
Test Duration:	45
Test Level:	36.0
Test Level UOM:	ft

### Draw Down & Recovery

934106735
15
25.0
ft

Pump Test Detail ID:	934908089
Test Type:	
Test Duration:	60
Test Level:	36.0
Test Level UOM:	ft

#### Water Details

Water ID:	933485362
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	80.0
Water Found Depth UOM:	ft

### <u>Site:</u>

lot 24 ON

1525664	Data Entry Status:	
	Data Src:	1
Domestic	Date Received:	10/21/1991
	Selected Flag:	True
Water Supply	Abandonment Rec:	
	Contractor:	2351
	Form Version:	1
095172	Owner:	
	Street Name:	
	County:	OTTAWA
	Municipality:	CUMBERLAND TOWNSHIP
	Site Info:	
	Lot:	024
	Concession:	
	Concession Name:	
	Easting NAD83:	
	Northing NAD83:	
	Zone:	
	UTM Reliability:	
	1525664 Domestic Water Supply 095172	1525664Data Entry Status: Data Src:DomesticDate Received: Selected Flag:Water SupplyAbandonment Rec: Contractor: Form Version:095172Owner: Street Name: County: Municipality: Site Info: Lot: 

### Bore Hole Information

Bore Hole ID:	10047399	Elevation:	
DP2BR:	20.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	02-Oct-1991 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			
Location Source Date	o.		

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

#### Overburden and Bedrock Materials Interval

Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc:	931061961 2 8 BLACK 17 SHALE
Mata Dost: Mat3: Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	20.0 37.0 ft
Overburden and Bedrock Materials Interval	
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat2:	931061960 1 6 BROWN 14 HARDPAN
Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	0.0 20.0 ft
Method of Construction & Well Use	
Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	961525664 1 Cable Tool
Pipe Information	
Pipe ID: Casing No: Comment: Alt Name:	10595969 1
Construction Record - Casing	
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	930082970 1 STEEL 20 6 inch ft

#### Results of Well Yield Testing

 Pump Test ID:
 991525664

 Pump Set At:
 991525664

Static Level:	18.0
Final Level After Pumping:	30.0
Recommended Pump Depth:	34.0
Pumping Rate:	3.0
Flowing Rate:	
Recommended Pump Rate:	3.0
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:	10
Flowing:	No

Pump Test Detail ID:	934105039	
Test Type:	Draw Down	
Test Duration:	15	
Test Level:	23.0	
Test Level UOM:	ft	

#### Draw Down & Recovery

Pump Test Detail ID:	934388698
Test Type:	Draw Down
Test Duration:	30
Test Level:	28.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934649236
Test Type:	Draw Down
Test Duration:	45
Test Level:	30.0
Test Level UOM:	ft

### Draw Down & Recovery

Pump Test Detail ID:	934906416
Test Type:	Draw Down
Test Duration:	60
Test Level:	30.0
Test Level UOM:	ft

#### Water Details

Water ID:	933484714
Layer:	1
Kind Code:	2
Kind:	SALTY
Water Found Depth:	34.0
Water Found Depth UOM:	ft

### <u>Site:</u>

lot 23 ON

Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: 1525661 Domestic Water Supply Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec:

1 10/2/1991 True

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Database: WWIS

Water Type: Casing Material: 095149 Audit No: Tag: **Construction Method:** Elevation (m): Elevation Reliability: Depth to Bedrock: . Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

#### Bore Hole Information

Bore Hole ID: 10047396 Elevation: DP2BR: Elevrc: Spatial Status: 18 Zone: Code OB: East83: 0 Code OB Desc: Overburden North83: **Open Hole:** Org CS: Cluster Kind: UTMRC: 9 Date Completed: 29-Aug-1991 00:00:00 UTMRC Desc: unknown UTM Location Method: Remarks: na Elevrc Desc: Location Source Date: Improvement Location Source:

Overburden and Bedrock Materials Interval

Improvement Location Method: Source Revision Comment: Supplier Comment:

931061955
1
6
BROWN
05
CLAY
0.0
52.0
ft

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

Formation ID:	931061956
Layer:	2
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	52.0
Formation End Depth:	54.0

2351 1

Contractor: Form Version:

Street Name:

Municipality:

Concession:

Concession Name:

Easting NAD83:

UTM Reliability:

Northing NAD83:

Owner:

County:

Site Info:

Lot:

Zone:

OTTAWA CUMBERLAND TOWNSHIP

023

### Formation End Depth UOM:

### <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

Plug ID:	933111348
Layer:	1
Plug From:	0
Plug To:	21
Plug Depth UOM:	ft

ft

#### Method of Construction & Well Use

Method Construction ID:	961525661
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

### Pipe Information

Pipe ID:	10595966
Casing No:	1
Comment:	
Alt Name:	

### Construction Record - Casing

930082967
1
1
STEEL
54
6
inch
ft

#### Results of Well Yield Testing

Pump Test ID:	991525661
Static Level:	14.0
Final Level After Pumping:	28.0
Recommended Pump Depth:	45.0
Pumping Rate:	45.0
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:	2
Pumping Duration HR:	1
Pumping Duration MIN:	10
Flowing:	No

### Draw Down & Recovery

Pump Test Detail ID:	934388695
Test Type:	Draw Down
Test Duration:	30
Test Level:	28.0
Test Level UOM:	ft

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Pump Test Detail ID:	934906413
Test Type:	Draw Down
Test Duration:	60
Test Level:	28.0
Test Level UOM:	ft

### Draw Down & Recovery

Pump Test Detail ID:	934105036
Test Type:	Draw Down
Test Duration:	15
Test Level:	18.0
Test Level UOM:	ft

### Draw Down & Recovery

Pump Test Detail ID:	934649233
Test Type:	Draw Down
Test Duration:	45
Test Level:	28.0
Test Level UOM:	ft

#### Water Details

Water ID:	933484711
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	54.0
Water Found Depth UOM:	ft

lot 28 ON

Site:

Database: WWIS

Well ID:	1525587	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	9/12/1991
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1517
Casing Material:		Form Version:	1
Audit No:	69591	Owner:	
Tag:		Street Name:	
<b>Construction Method:</b>		County:	OTTAWA
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	028
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			
-			
Dava Uala Information			
Bore Hole Information			

Bore Hole ID:	10047322	Elevation:	
DP2BR: Spatial Status:	17.00	Elevrc: Zone: 18	В
Code OB:	r	East83:	

Code OB Desc: Bedrock

22-Aug-1991 00:00:00

Date Completed: 22-Aug-1 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### Overburden and Bedrock Materials Interval

**Open Hole:** 

Cluster Kind:

Formation ID:	931061702
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	26
Mat2 Desc:	ROCK
Mat3:	
Mat3 Desc:	
Formation Top Depth:	21.0
Formation End Depth:	230.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID:	931061701
Layer:	2
Color:	2
General Color:	GREY
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	17.0
Formation End Depth:	21.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

931061700
1
2
GREY
14
HARDPAN
05
CLAY
12
STONES
0.0
17.0
ft

#### <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

North83: Org CS: UTMRC: UTMRC Desc: Location Method:

9 unknown UTM na

933111310
1
3
44
ft

#### Method of Construction & Well Use

Method Construction ID:	961525587
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

#### Pipe Information

Pipe ID:	10595892
Casing No:	1
Comment:	
Alt Name:	

### Construction Record - Casing

Casing ID:	930082844
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	44
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

### Results of Well Yield Testing

Pump Test ID:	991525587
Pump Set At:	
Static Level:	25.0
Final Level After Pumping:	125.0
Recommended Pump Depth:	150.0
Pumping Rate:	15.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	30
Flowing:	No

### Draw Down & Recovery

934649161
45
100.0
ft

### Draw Down & Recovery

Pump Test Detail ID:

934104546

Test Type:	
Test Duration:	15
Test Level:	50.0
Test Level UOM:	ft

Pump Test Detail ID:	934388204
Test Type:	
Test Duration:	30
Test Level:	75.0
Test Level UOM:	ft

### Draw Down & Recovery

934906341
60
125.0
ft

#### Water Details

Water ID:	933484624
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	225.0
Water Found Depth UOM:	ft

### Site:

<u>Site:</u> lot 26 ON				Database: WWIS
Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:	1525484 Domestic Water Supply 69539	Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 7/22/1991 True 1517 1 OTTAWA CUMBERLAND TOWNSHIP 026	
Bore Hole Information				
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc:	10047222 5.00 h Mixed in a Layer	Elevation: Elevrc: Zone: East83: North83:	18	

North83: Org CS: Mixed in a Layer UTMRC: 9 09-May-1991 00:00:00 UTMRC Desc: Location Method: na

unknown UTM

299

Open Hole: Cluster Kind:

Remarks:

Date Completed:

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

#### Overburden and Bedrock Materials Interval

Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc:	931061314 4 8 BLACK 15 LIMESTONE
<i>Mat3: Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:</i>	85.0 105.0 ft

#### Overburden and Bedrock Materials Interval

931061313
3
2
GREY
15
LIMESTONE
20.0
85.0
ft

# Overburden and Bedrock

<u>Materials Interval</u>

Formation ID:	931061311
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:	5.0
Formation End Depth UOM:	ft

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

Formation ID:	931061312
Layer:	2
Color:	6
General Color:	BROWN

Mat1: Most Common Material: Mat2: Mat3 Desc: Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	12 STONES 11 GRAVEL 17 SHALE 5.0 20.0 ft
<u>Overburden and Bedrock</u> Materials Interval	
Formation ID: Layer: Color: General Color: Mat1: Most Common Material:	931061315 5 2 GREY 15 LIMESTONE
Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	105.0 226.0 ft
<u>Annular Space/Abandonment</u> <u>Sealing Record</u>	
Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:	933111223 1 4 42 ft
Method of Construction & Well Use	
Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	961525484 1 Cable Tool
Pipe Information	
Pipe ID: Casing No: Comment: Alt Name:	10595792 1
Construction Record - Casing	
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To:	930082680 1 1 STEEL 42
Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	6 inch ft

## Results of Well Yield Testing

Pump Test ID:	991525484
Pump Set At:	
Static Level:	14.0
Final Level After Pumping:	70.0
Recommended Pump Depth:	200.0
Pumping Rate:	30.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Pump Test Detail ID:	934905847
Test Type:	Draw Down
Test Duration:	60
Test Level:	70.0
Test Level UOM:	ft

### Draw Down & Recovery

Pump Test Detail ID:	934112306
Test Type:	Draw Down
Test Duration:	15
Test Level:	30.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934388129
Test Type:	Draw Down
Test Duration:	30
Test Level:	45.0
Test Level UOM:	ft

### Draw Down & Recovery

Pump Test Detail ID:	934648667
Test Type:	Draw Down
Test Duration:	45
Test Level:	65.0
Test Level UOM:	ft

### Water Details

Water ID:	933484494
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	222.0
Water Found Depth UOM:	ft

### Site:

#### lot 25 ON

Well ID:	1525481
Construction Date:	

Data Entry Status: Data Src:

1

Database: WWIS Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

Domestic

69538

Water Supply

### **Bore Hole Information**

10047219 Bore Hole ID: DP2BR: 18.00 Spatial Status: Code OB: r Code OB Desc: Bedrock **Open Hole: Cluster Kind:** 29-Apr-1991 00:00:00 Date Completed: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### Overburden and Bedrock Materials Interval

931061299
3
2
GREY
15
LIMESTONE
18.0
205.0
ft

# Overburden and Bedrock

Materials	Interval

Formation ID:	931061297
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	

303

Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:

7/22/1991 True

1517 1

OTTAWA CUMBERLAND TOWNSHIP

025

Elevation: Elevrc: Zone: 18 East83: North83: Org CS: UTMRC: 9 UTMRC Desc: unknown UTM Location Method: na

Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	4.0
Formation End Depth UOM:	ft

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

Formation ID:	931061298
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	12
Mat2 Desc:	STONES
Mat3:	05
Mat3 Desc:	CLAY
Formation Top Depth:	4.0
Formation End Depth:	18.0
Formation End Depth UOM:	ft

### <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

Plug ID:	933111220
Layer:	1
Plug From:	2
Plug To:	44
Plug Depth UOM:	ft

#### Method of Construction & Well Use

Method Construction ID:	961525481
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

### Pipe Information

Pipe ID:	10595789
Casing No:	1
Comment:	
Alt Name:	

### Construction Record - Casing

Casing ID:	930082677
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	44
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

### Results of Well Yield Testing

Pump Test ID:	991525481
Pump Set At:	
Static Level:	38.0
Final Level After Pumping:	70.0

Recommended Pump Depth:	100.0
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:	
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Pump Test Detail ID:	934388126
Test Type:	
Test Duration:	30
Test Level:	60.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934648664
Test Type:	
Test Duration:	45
Test Level:	65.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934905844
Test Type:	
Test Duration:	60
Test Level:	70.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934112303
Test Type:	
Test Duration:	15
Test Level:	50.0
Test Level UOM:	ft

#### Water Details

Water ID:	933484491
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	204.0
Water Found Depth UOM:	ft

#### Site:

lot 28 ON

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

Domestic Water Supply

1525461

Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version:

1 6/12/1991 True 6006 1

305

Database: WWIS Audit No: 89569 Owner: Street Name: Tag: **Construction Method:** OTTAWA County: Elevation (m): Municipality: CUMBERLAND TOWNSHIP Elevation Reliability: Site Info: Depth to Bedrock: Lot: 028 . Well Depth: Concession: Overburden/Bedrock: Concession Name: Easting NAD83: Pump Rate: Static Water Level: Northing NAD83: Flowing (Y/N): Zone: Flow Rate: UTM Reliability: Clear/Cloudy:

#### Bore Hole Information

10047199 Bore Hole ID: DP2BR: 42.00 Spatial Status: . Code OB: r Code OB Desc: Bedrock **Open Hole:** Cluster Kind: 30-Apr-1991 00:00:00 Date Completed: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### Overburden and Bedrock Materials Interval

Formation ID:	931061221
Layer:	3
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	80
Mat2 Desc:	POROUS
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	42.0
Formation End Depth:	46.0
Formation End Depth UOM:	ft

#### **Overburden and Bedrock** Materials Interval

Formation ID:	931061222
Layer:	4
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	73
Mat2 Desc:	HARD
Mat3:	
Mat3 Desc:	
Formation Top Depth:	46.0
Formation End Depth:	48.0
Formation End Depth UOM:	ft

Elevation:	
Elevrc:	
Zone:	18
East83:	
North83:	
Org CS:	
UTMRC:	9
UTMRC Desc:	unknown UTM
Location Method:	na

#### Overburden and Bedrock Materials Interval

Formation ID:	931061219
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	0.0
Formation End Depth:	40.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID:	931061220
Layer:	2
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	40.0
Formation End Depth:	42.0
Formation End Depth UOM:	ft

#### <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

Plug ID:	933111216
Layer:	1
Plug From:	0
Plug To:	20
Plug Depth UOM:	ft

#### Method of Construction & Well Use

Method Construction ID:	961525461
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

### Pipe Information

Pipe ID:	10595769
Casing No:	1
Comment:	
Alt Name:	

### Construction Record - Casing

Casing ID:	930082638
Layer:	1
Material:	1
Open Hole or Material:	STEEL

Depth From:	
Depth To:	46
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

### Construction Record - Casing

Casing ID:	930082639
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	48
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

### Results of Well Yield Testing

991525461
7.0
40.0
42.0
20.0
7.0
ft
GPM
1
CLEAR
2
1
0
No

### Draw Down & Recovery

Pump Test Detail ID:	934387688
Test Type:	
Test Duration:	30
Test Level:	40.0
Test Level UOM:	ft

### Draw Down & Recovery

934112284
15
40.0
ft

### Draw Down & Recovery

934905825
60
40.0
ft

#### Draw Down & Recovery

Pump Test Detail ID:	ID:	Detail	Test	Pump
----------------------	-----	--------	------	------

934648645

Test Type:	
Test Duration:	45
Test Level:	40.0
Test Level UOM:	ft

#### Water Details

Water ID:	933484460
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	48.0
Water Found Depth UOM:	ft

#### Site:

lot 26 ON

Well ID:	1525192	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	12/13/1990
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1517
Casing Material:		Form Version:	1
Audit No:	69514	Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	CUMBERLAND TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	026
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:		-	

#### Bore Hole Information

Bore Hole ID:	10046933	Elevation:	
DP2BR:	57.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	26-Oct-1990 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Elevrc Desc:			

Overburden and Bedrock Materials Interval

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

Formation ID [.]	931060403
Laver:	4
Color:	8
General Color:	BLACK
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	

Database: WWIS

Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	50.0
Formation End Depth:	57.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2 Mat2 Desc: Mat3:	931060401 2 GREY 05 CLAY
<i>Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:</i>	10.0 37.0 ft

#### Overburden and Bedrock Materials Interval

Formation ID:	931060404
Layer:	5
Color:	8
General Color:	BLACK
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	17
Mat2 Desc:	SHALE
Mat3:	
Mat3 Desc:	
Formation Top Depth:	57.0
Formation End Depth:	72.0
Formation End Depth UOM:	ft

# Overburden and Bedrock

<u>Materials Interval</u>

Formation ID:	931060400
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

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

Formation ID:	931060402
Layer:	3
Color:	2
General Color:	GREY

Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	37.0
Formation End Depth:	50.0
Formation End Depth UOM:	ft

### Annular Space/Abandonment Sealing Record

Plug ID:	933111110
Layer:	1
Plug From:	0
Plug To:	20
Plug Depth UOM:	ft

#### Method of Construction & Well Use

Method Construction ID:	961525192
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

### Pipe Information

Pipe ID:	10595503
Casing No:	1
Comment:	
Alt Name:	

### Construction Record - Casing

Casing ID:	930082193
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	57
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

### Results of Well Yield Testing

Pump Test ID:	991525192
Pump Set At:	
Static Level:	35.0
Final Level After Pumping:	60.0
Recommended Pump Depth:	70.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	5.0
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

Pump Test Detail ID:	934111612
Test Type:	Draw Down
Test Duration:	15
Test Level:	45.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934387017
Test Type:	Draw Down
Test Duration:	30
Test Level:	55.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934656372
Test Type:	Draw Down
Test Duration:	45
Test Level:	60.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934904741
Test Type:	Draw Down
Test Duration:	60
Test Level:	60.0
Test Level UOM:	ft

#### Water Details

Water ID:	933484094
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	70.0
Water Found Depth UOM:	ft

#### Site:

lot 26 ON

. _

Well ID: 1525190 Construction Date: Primary Water Use: Domestic Sec. Water Use: Final Well Status: Water Supply Water Type: Casing Material: Audit No: 69518 Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level:

Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:

Data Entry Status:

Data Src:

Database:

WWIS

OTTAWA CUMBERLAND TOWNSHIP

026

1

True

1517

1

12/13/1990

312

Flowing (Y/N):

Flow Rate: Clear/Cloudy:

### Bore Hole Information

Bore Hole ID:	10046931	
DP2BR:	55.00	
Spatial Status:		
Code OB:	r	
Code OB Desc:	Bedrock	
Open Hole:		
Cluster Kind:		
Date Completed:	22-Nov-1990 00:00:00	
Remarks:		
Elevrc Desc:		
Location Source Date:		
Improvement Location Source:		
Improvement Location Method:		
Source Revision Comment:		
Supplier Comment:		
Overburden and Bedro	<u>CK</u>	
Materials Interval		

931060394

2 2

Elevation:	
Elevrc:	
Zone:	18
East83:	
North83:	
Org CS:	
UTMRC:	9
UTMRC Desc:	unknown UTM
Location Method:	na

### <u>Materials Interval</u> Formation ID: Layer: Color: General Color:

_
GREY
05
CLAY
25.0
40.0
ft

### Overburden and Bedrock Materials Interval

Formation ID:	931060393
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	25.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

931060395
3
6
BROWN
11
GRAVEL

Mat3 Desc:	
Formation Top Depth:	40.0
Formation End Depth:	55.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID:	931060396
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	55.0
Formation End Depth:	67.0
Formation End Depth UOM:	ft

### <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

Plug ID:	933111108
Layer:	1
Plug From:	0
Plug To:	20
Plug Depth UOM:	ft

#### Method of Construction & Well Use

Method Construction ID:	961525190
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

### Pipe Information

Pipe ID:	10595501
Casing No:	1
Comment:	
Alt Name:	

### Construction Record - Casing

Casing ID:	930082191
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	55
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

### Results of Well Yield Testing

Pump Test ID:	991525190
Pump Set At:	
Static Level:	35.0
Final Level After Pumping:	55.0

60.0
10.0
5.0
ft
GPM
2
CLOUDY
2
1
0
No

Pump Test Detail ID:	934111610
Test Type:	
Test Duration:	15
Test Level:	45.0
Test Level UOM:	ft

#### Draw Down & Recovery

934656370
45
55.0
ft

#### Draw Down & Recovery

Pump Test Detail ID:	934387015
Test Type:	
Test Duration:	30
Test Level:	50.0
Test Level UOM:	ft

#### Draw Down & Recovery

Pump Test Detail ID:	934904739
Test Type:	
Test Duration:	60
Test Level:	55.0
Test Level UOM:	ft

#### Water Details

Water ID:	933484092
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	65.0
Water Found Depth UOM:	ft

#### Site:

lot 25 ON

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

Domestic Water Supply

1525009

Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version:

1 9/17/1990 True 6006 1

315

Database: WWIS Audit No: 83375 Owner: Street Name: Tag: **Construction Method:** OTTAWA County: Elevation (m): Municipality: CUMBERLAND TOWNSHIP Elevation Reliability: Site Info: Depth to Bedrock: Lot: 025 . Well Depth: Concession: Overburden/Bedrock: Concession Name: Easting NAD83: Pump Rate: Static Water Level: Northing NAD83: Flowing (Y/N): Zone: Flow Rate: UTM Reliability: Clear/Cloudy:

#### Bore Hole Information

10046751 Bore Hole ID: DP2BR: 41.00 Spatial Status: Code OB: r Code OB Desc: Bedrock **Open Hole:** Cluster Kind: 02-Aug-1990 00:00:00 Date Completed: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

#### Overburden and Bedrock Materials Interval

Formation ID:	931059740
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	35.0
Formation End Depth:	39.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID:	931059741
Laver:	5
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	73
Mat2 Desc:	HARD
Mat3:	
Mat3 Desc:	
Formation Top Depth:	39.0
Formation End Depth:	41.0
Formation End Depth UOM:	ft

18
9
unknown UTM

na

Location Method:

#### Overburden and Bedrock Materials Interval

Formation ID:	931059743
Layer:	7
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	44.0
Formation End Depth:	45.0
Formation End Depth UOM:	ft

### Overburden and Bedrock Materials Interval

Formation ID: Layer: Color: General Color: Mat1:	931059739 3 3 BLUE 05
Most Common Material: Mat2: Mat2 Desc: Mat3:	CLAY 85 SOFT
<i>Mat3 Desc: Formation Top Depth: Formation End Depth: Formation End Depth UOM:</i>	18.0 35.0 ft

#### Overburden and Bedrock Materials Interval

Formation ID:	931059742
Layer:	6
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	80
Mat2 Desc:	POROUS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	41.0
Formation End Depth:	44.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID:	931059738
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	5.0

Formation End Depth:	18.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID:	931059737
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	0.0
Formation End Depth:	5.0
Formation End Depth UOM:	ft

### Annular Space/Abandonment Sealing Record

Plug ID:	933110998
Layer:	1
Plug From:	0
Plug To:	20
Plug Depth UOM:	ft

#### Method of Construction & Well Use

Method Construction ID:	961525009
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

### Pipe Information

Pipe ID:	10595321
Casing No:	1
Comment:	
Alt Name:	

### Construction Record - Casing

Casing ID:	930081877
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	45
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

### Construction Record - Casing

Casing ID:	930081876 1
Material: Open Hele er Meterial:	1 97551
Depth From:	SIEEL
Depth To:	44

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

#### Results of Well Yield Testing

Pump Test ID:	991525009
Pump Set At:	
Static Level:	1.0
Final Level After Pumping:	30.0
Recommended Pump Depth:	40.0
Pumping Rate:	40.0
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:	2
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	No

### Draw Down & Recovery

Pump Test Detail ID:	934386008
Test Type:	
Test Duration:	30
Test Level:	30.0
Test Level UOM:	ft

### Draw Down & Recovery

Pump Test Detail ID:	934904161
Test Type:	
Test Duration:	60
Test Level:	30.0
Test Level UOM:	ft

### Draw Down & Recovery

Pump Test Detail ID:	934655787
Test Type:	
Test Duration:	45
Test Level:	30.0
Test Level UOM:	ft

### Draw Down & Recovery

934110601
15
30.0
ft

### Water Details

Water ID:	933483828
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	44.0
Water Found Depth UOM:	ft

#### Site:

lot 26 ON

Well ID: **Construction Date:** Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Tag: **Construction Method:** Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: . Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

# 1525007 Cooling And A/C Water Supply 83378

#### Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: **Concession Name:** Easting NAD83: Northing NAD83: Zone: UTM Reliability:

1 9/17/1990 True

6006

1

OTTAWA CUMBERLAND TOWNSHIP

026

#### Bore Hole Information

Bore Hole ID:	10046749	Elevation:	
DP2BR:	35.00	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	
Code OB Desc:	Bedrock	North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	08-Aug-1990 00:00:00	UTMRC Desc:	unknown UTM
Remarks:	-	Location Method:	na
Elevrc Desc:			

#### **Overburden and Bedrock** Materials Interval

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

Formation ID:	931059732
Layer:	3
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	80
Mat3 Desc:	POROUS
Formation Top Depth:	35.0
Formation End Depth:	48.0
Formation End Depth UOM:	ft

#### **Overburden and Bedrock** Materials Interval

931059733
4
8
BLACK



M-14	47
Mat1:	17
Most Common Material:	SHALE
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	48.0
Formation End Depth:	49.0
Formation End Depth UOM:	ft

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

Formation ID:	931059730
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	0.0
Formation End Depth:	18.0
Formation End Depth UOM:	ft

#### Overburden and Bedrock Materials Interval

Formation ID:	931059731
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	18.0
Formation End Depth:	35.0
Formation End Depth UOM:	ft

### <u>Annular Space/Abandonment</u> <u>Sealing Record</u>

933110996
1
0
20
ft

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

Method Construction ID:	961525007
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

### Pipe Information

Pipe ID:	
Casing No:	

10595319 1

#### Comment: Alt Name:

### Construction Record - Casing

Casing ID:	930081873
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	49
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

#### Construction Record - Casing

Casing ID:	930081872
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	48
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

#### Results of Well Yield Testing

Pump Test ID:	991525007
Pump Set At:	
Static Level:	5.0
Final Level After Pumping:	40.0
Recommended Pump Depth:	
Pumping Rate:	30.0
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:	2
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	No

### Draw Down & Recovery

Pump Test Detail ID:	934110599
Test Type:	
Test Duration:	15
Test Level:	40.0
Test Level UOM:	ft

### Draw Down & Recovery

Pump Test Detail ID:	934904159
Test Type:	
Test Duration:	60
Test Level:	40.0
Test Level UOM:	ft

### Draw Down & Recovery

Pump Test Detail ID:	934655785
Test Type:	
Test Duration:	45
Test Level:	40.0
Test Level UOM:	ft

Pump Test Detail ID:	934386006
Test Type:	
Test Duration:	30
Test Level:	40.0
Test Level UOM:	ft

### Water Details

Water ID:	933483825
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	48.0
Water Found Depth UOM:	ft

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. Note: Databases denoted with "*" indicates that the database will no longer be updated. See the individual database description for more information.

### Abandoned Aggregate Inventory:

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.* Government Publication Date: Sept 2002*

Aggregate Inventory:

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage. Government Publication Date: Up to Sep 2020

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

Government Publication Date: 1800-Oct 2018

Abandoned Mine Information System:

### Anderson's Waste Disposal Sites:

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

### Aboveground Storage Tanks:

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated. Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type. Government Publication Date: 1999-Dec 31, 2020

Borehole: BORE A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW. Government Publication Date: 1875-Jul 2018

Provincial

Provincial

Provincial

Private

AAGR

AGR

AMIS

ANDR

AST

AUWR

Provincial

Private

Provincial

324
#### Certificates of Approval:

#### Dry Cleaning Facilities:

## Commercial Fuel Oil Tanks:

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information. Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. Government Publication Date: Jul 31, 2020

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

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).

## Chemical Manufacturers and Distributors:

Compressed Natural Gas Stations:

**Compliance and Convictions:** 

Certificates of Property Use:

325

Inventory of Coal Gasification Plants and Coal Tar Sites:

Government Publication Date: 1985-Oct 30, 2011*

Government Publication Date: Jan 2004-Dec 2018

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

tetrachloroethylene to the environment from dry cleaning facilities.

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

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

#### **Chemical Register:**

#### Government Publication Date: 1999-Dec 31, 2020

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 - Apr 2021

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*

#### This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law. Government Publication Date: 1989-Nov 2020

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

Government Publication Date: 1994- Jun 30, 2021

#### Provincial

Federal

Private

Private

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

CA

**CDRY** 

Provincial CFOT

CHEM

CHM

CNG

COAL

CONV

Private

Provincial

Provincial

Provincial CPU 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

Drill Hole Database:

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

**Delisted Fuel Tanks:** 

Environmental Registry:

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information. Government Publication Date: Jul 31, 2020

Environmental Activity and Sector Registry: 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- Jun 30, 2021

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

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

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

Government Publication Date: 1994- Jun 30, 2021

Environmental Compliance Approval:

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

Government Publication Date: Oct 2011- Jun 30, 2021

#### Environmental Effects Monitoring:

ERIS Historical Searches:

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*

EHS ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Jan 31, 2021

#### Environmental Issues Inventory System:

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed. Government Publication Date: 1992-2001*

Provincial

Provincial DTNK

FBR

**FCA** 

EEM

FIIS

Provincial

Provincial

Provincial

Federal

Private

Federal

DRI

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events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Dec 31, 2016

#### Environmental Penalty Annual Report:

List of Expired Fuels Safety Facilities:

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, 2020

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.

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change.

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

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

Government Publication Date: Jul 31, 2020

Contaminated Sites on Federal Land:

Federal Convictions:

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*

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-Apr 2021

#### Fisheries & Oceans Fuel Tanks:

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sep 2019

#### Federal Identification Registry for Storage Tank Systems (FIRSTS):

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

Government Publication Date: May 31, 2018

Fuel Storage Tank:

327

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information. Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Emergency Management Historical Event:

Provincial

Provincial

Federal

Federal

Federal

Federal

Provincial

FST

Provincial

**FMHF** 

EPAR

EXP

FCON

FCS

FOFT

FRST

#### Order No: 21073001373

#### Fuel Storage Tank - Historic:

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

#### Ontario Regulation 347 Waste Generators Summary:

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

Government Publication Date: 1986-Apr 30, 2021

#### Greenhouse Gas Emissions from Large Facilities:

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

Provincial **TSSA Historic Incidents:** HINC List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here. Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: 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:

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

Government Publication Date: Jul 31, 2020

#### Landfill Inventory Management Ontario:

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

Government Publication Date: Feb 28, 2019

#### Canadian Mine Locations:

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

Provincial

Federal

Provincial

Private

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

GHG

**FSTH** 

GEN

INC

LIMO



Provincial

#### Mineral Occurrences:

#### 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-Dec 2020

#### National Analysis of Trends in Emergencies System (NATES):

#### significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released. Government Publication Date: 1974-1994*

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

Government Publication Date: Dec 31, 2019

#### National Defense & Canadian Forces Fuel Tanks:

DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database. Government Publication Date: Up to May 2001*

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

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

#### National Defense & Canadian Forces Spills:

#### under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered. Government Publication Date: Mar 1999-Apr 2018

#### The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2001-Apr 2007*

#### National Energy Board Pipeline Incidents:

## Government Publication Date: 2008-Mar 31, 2021

National Defence & Canadian Forces Waste Disposal Sites:

#### National Energy Board Wells:

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

(NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal

Government Publication Date: 1920-Feb 2003*

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in

Provincial

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

Provincial

Federal

**MNR** 

NATE

NDFT

NDSP

NDWD

NFBI

NEBP

Federal

Federal

Federal Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board

Federal

#### National Environmental Emergencies System (NEES):

#### In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

Government Publication Date: 1974-2003*

National PCB Inventory:

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

Government Publication Date: 1988-2008*

#### National Pollutant Release Inventory:

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances. Government Publication Date: 1993-May 2017

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All

Government Publication Date: 1988-Feb 28, 2021

#### Ontario Oil and Gas Wells:

Oil and Gas Wells:

#### geology/stratigraphy table information, plus all water table information is also provide for each well record. Government Publication Date: 1800-Jun 2020

Inventory of PCB Storage Sites: OPCB The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

#### Orders: This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for

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#### 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-Apr 30, 2021

Canadian Pulp and Paper: 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:

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

Federal

Federal

Private

Provincial

OGWF

OOGW

ORD

PCFT

Provincial

Provincial

Private

Federal

#### Federal

NFFS

NPCB

**NPRI** 

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: Oct 2011- Jun 30, 2021

#### **Pipeline Incidents:**

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: May 31, 2021

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Private and Retail Fuel Storage Tanks:

Permit to Take Water: **PTTW** This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water. Government Publication Date: 1994- Jun 30, 2021

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

Government Publication Date: 1986-1990, 1992-2018

Record of Site Condition: RSC The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Jun 2021

#### Retail Fuel Storage Tanks:

#### 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-Dec 31, 2020

Scott's Manufacturing Directory:

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

Government Publication Date: 1988-Aug 2020

Provincial

PES

PINC

PRT

RST

SCT

Provincial

Provincial

Provincial

Provincial

Provincial

Private

Private

Provincial

### Order No: 21073001373

#### 332

#### erisinfo.com | Environmental Risk Information Services

## information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Apr 30, 2021

Government Publication Date: Up to Oct 1990* Provincial

Water Well Information System: **WWIS** This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such

### Transport Canada Fuel Storage Tanks:

Government Publication Date: 1915-1953*

Wastewater Discharger Registration Database:

Government Publication Date: 1990-Dec 31, 2018

Anderson's Storage Tanks:

for research purposes only.

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

Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All

## Variances for Abandonment of Underground Storage Tanks:

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

Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

## Waste Disposal Sites - MOE CA Inventory:

Provincial 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.

sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: Oct 2011- Jun 30, 2021

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: **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.

Private 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

Federal

Provincial

Provincial

Provincial Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the

TANK

SRDS

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

WDS

## Definitions

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

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

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

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

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

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

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

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

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

<u>Map Key:</u> The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

<u>Unplottables:</u> These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

## **APPENDIX 3**

**QUALIFICATIONS OF ASSESSORS** 

## Mohammed Ramadan, B.Sc.

# patersongroup

Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

**Materials Testing** 

**Building Science** 

Archaeological Services

## POSITION

**Environmental Scientist** 

## **EDUCATION**

Carleton University, B.Sc., 2017 Environmental Science

## EXPERIENCE

2019 – Present **Paterson Group Inc.** Consulting Engineers Materials Testing and Environmental Divisions Environmental Scientist

## SELECT LIST OF PROJECTS

Phase I and II – ESA Reports – Various Sites - Ottawa National Capital Region (CSA Z768-01 & MECP) Subgrade Reviews – Various Sites – Ottawa Density Testing – Residential and Commercial Sites – Ottawa Bearing Surface Investigations – Various Sites - Ottawa

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

# patersongroup

Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

**Materials Testing** 

**Building Science** 

Archaeological Services

### POSITION

Associate and Supervisor of the Environmental Division Senior Environmental/Geotechnical Engineer

## **EDUCATION**

Queen's University, B.A.Sc.Eng, 1991 Geotechnical / Geological Engineering

## **MEMBERSHIPS**

Ottawa Geotechnical Group Professional Engineers of Ontario

## **EXPERIENCE**

1991 to Present **Paterson Group Inc.** Associate and Senior Environmental/Geotechnical Engineer Environmental and Geotechnical Division Supervisor of the Environmental Division

## SELECT LIST OF PROJECTS

Mary River Exploration Mine Site - Northern Baffin Island Agricultural Supply Facilities - Eastern Ontario Laboratory Facility – Edmonton (Alberta) Ottawa International Airport - Contaminant Migration Study - Ottawa Richmond Road Reconstruction - Ottawa Billings Hurdman Interconnect - Ottawa Bank Street Reconstruction - Ottawa Environmental Review - Various Laboratories across Canada - CFIA Dwyer Hill Training Centre - Ottawa Nortel Networks Environmental Monitoring - Carling Campus - Ottawa Remediation Program - Block D Lands - Kingston Investigation of former landfill sites - City of Ottawa Record of Site Condition for Railway Lands - North Bay Commercial Properties - Guelph and Brampton Brownfields Remediation - Alcan Site - Kingston Montreal Road Reconstruction - Ottawa Appleford Street Residential Development - Ottawa Remediation Program - Ottawa Train Yards Remediation Program - Bayshore and Heron Gate Gladstone Avenue Reconstruction - Ottawa Somerset Avenue West Reconstruction - Ottawa