Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

Materials Testing

Building Science

Archaeological Services

Paterson Group Inc.

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

Tel: (613) 226-7381
Fax: (613) 226-6344
www.patersongroup.ca

patersongroup

Phase I-Environmental Site Assessment

3432 Greenbank Road
Ottawa, Ontario

Prepared For

Minto Communities

May 25, 2020

Report: PE4940-1

TABLE OF CONTENTS

List of Figures

List of Appendices

EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by Minto Communities to conduct a Phase I-Environmental Site Assessment (ESA) for 3432 Greenbank Road, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the subject site and the Phase I Study Area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical research, the eastern portion of the Phase I Property was occupied by farm structures prior to 1960, while the remaining lands existed as agricultural fields. No potentially contaminating activities (PCAs) were identified during the historical review of the Phase I Property.

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

Following the historical research, a site visit was conducted. The Phase I Property is occupied by two (2) barns and three (3) out-buildings. Cattle are housed in the western buildings (barns), while the remaining three (3) buildings are used to store farm equipment. An exterior 760-L above ground storage tank (AST) was noted on the exterior wall of the eastern-most building. The AST is equipped with a private fuel dispenser to refuel the on-site farm equipment. Storage of diesel fuel on-site is a potentially contaminating activity (PCA) that is considered to represent an area of potential environmental concern (APEC) on the Phase I Property. While there was no evidence of environmental impact, further environmental work would be required to confirm this.

The neighbouring properties to the north, east, and west are occupied by farmsteads, residences and/or agricultural lands. No PCAs were noted with the current use of the Phase I Property or the lands within the Phase I Study Area.

Conclusion

Based on the results of the assessment, it is **our opinion that a Phase II- Environmental Site Assessment is required for the subject property.**

1.0 INTRODUCTION

At the request of Minto Communities, Paterson Group (Paterson) conducted a Phase I-Environmental Site Assessment (Phase I-ESA) for 3432 Greenbank Road, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject properties.

Paterson was engaged to conduct this Phase I-ESA by Mr. Curtiss Scarlett from Minto Communities. The head office of Minto Communities is located at Suite #200, 180 Kent Street, Ottawa, Ontario. Mr. Scarlett can be reached by telephone at (613) 230-7051.

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

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

2.0 PHASE I PROPERTY INFORMATION

Address:	3432 Greenbank Road, Ottawa, Ontario
Legal Description:	Lot 12, Concession 3, Geographic Township of Nepean, City of Ottawa.
Location:	The Phase I Property is located on the west side of Greenbank Road, south of the Jock River, in the City of Ottawa, Ontario. The subject site is shown on Figure 1 – Key Plan, following the body of this report (Figures section).
Latitude and Longitude:	45° 15’ 29.44" N, 75° 44' 27.89" W

Site Description:

Configuration:	Irregular
Area:	23. 128 hectares (approximately)
Zoning:	DR – Development Reserved Zoning with the northern and eastern sides of the site designated as a flood plain.
Current Use:	The majority of the site is agricultural land occupied by five (5) out-buildings used for housing cattle and farm equipment.
Services:	The Phase I Property is situated in an area where private wells and septic systems are relied upon, although new development in the area is municipally serviced. It is expected that the Phase I Property will be provided with municipal services upon development.

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 properties, and if warranted, neighbouring properties;
- Present the results of our findings in a comprehensive report in general accordance with the requirements of O.Reg. 269/11 amending O.Reg. 153/04 made under the Environmental Protection Act and in compliance with the requirements of CSA Z768-01;
- Provide a preliminary environmental site evaluation based on our findings;
- Provide preliminary remediation recommendations and further investigative work if contamination is suspected or encountered.

4.0 RECORDS REVIEW

4.1 General

Phase I-ESA Study Area Determination

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

First Developed Use Determination

Based on the historical review, the 1960 to 1976 aerial photographs, the subject site has never been formally developed, however, several small barns have been present on-site as far back as 1960.

Fire Insurance Plans

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

City of Ottawa Street Directories

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

Neighbouring properties were listed as residential. There were no listings associated with potentially contaminating activities.

Chain of Title

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

Plan of Survey

A survey plan was not provided for review as part of this assessment.

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on May 11, 2020. No listings for the subject site or properties within the study area were identified in the NPRI database.

PCB Inventory

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

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

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

MECP Brownfields Environmental Site Registry

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

MECP Waste Disposal Site Inventory

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

MECP Coal Gasification Plant Inventory

The Ontario Ministry of Environment document titled "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed to reference the locations of former plants with respect to the site. No Municipal Coal Gasification Plant Sites are located within the Phase I Study Area.

Areas of Natural Significance

A search for areas of natural significance and features within the Phase I Study Area was conducted on the website of the Ontario Ministry of Natural Resources (MNR) on May 11, 2020. The search did not reveal any 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 on May 15, 2020, to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. No records are listed in the TSSA registry for the subject site or the adjacent properties. A copy of the TSSA correspondence is included in Appendix 2.

City of Ottawa Historical Land Use Inventory (HLUI)

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

Environmental Risk Information Services (ERIS) Report

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

According to the ERIS report, no pertinent records were identified for the Phase I Property or the Study Area, which is expected, as the Phase I Property is situated in a rural area consisting of farmland that has been partially developed, primarily with new residential developments. A copy of the ERIS report is included in Appendix 2.

4.3 Physical Setting Sources

Aerial Photographs

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

1960 The subject site is predominately agricultural fields with several farm buildings situated in the northeast corner of the lot. Neighbouring

lands are occupied by farmsteads and agricultural fields. Greenbank Road is present at this time.

1966 No significant changes are apparent on the subject site or the surrounding lands.

1973 The subject site and neighbouring lands appear unchanged from the previous photograph.

1987 No significant changes are apparent on the subject site or the surrounding lands.

1999 The subject site and neighbouring lands appear unchanged from the previous photograph.

2011 The subject site remains unchanged from the previous photograph. Surrounding lands further north, east and south are being developed with residential subdivisions.

2017 No significant changes are apparent on the subject site or the surrounding lands.

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

Topographic Maps

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

Physiographic Maps

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

Geological Maps

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on the information from NRCAN, bedrock in the area of the site consists of limestone and dolomite of the Gull River Formation and Dolomite of the Oxford Formation. Based on the maps, the thickness of overburden ranges from 5 to 25 m and consists of till and marine deposits.

Water Well Records

A well record search was conducted on May 11, 2020 for all drilled wells within 250 m of the subject site. The search returned thirty-seven (37) well records, of which 21 were domestic wells drilled between 1954 to 2017; 5 abandoned wells from 2007 to 2017; and 11 monitoring wells drilled in 2010 and 2017.

One domestic well was identified on the Phase I Property, drilled in 1987. Based on the well record, the stratigraphy consisted of clay and overworked soil (hardpan) with some stones, underlain by limestone. The well was drilled to a depth of approximately 189.8 m below the ground surface, with bedrock encountered at approximately 7.3 m below grade.

The domestic wells located within the Phase I Study Area were drilled between 1954 to 2010 to depths ranging from 12 to 67 m below the ground surface. All wells were drilled to fresh water.

The abandoned well records were identified for properties further northeast and south of the Phase I Property. It is expected that these decommissioned well records were associated with the new residential developments in the area.

Eleven (11) monitoring wells were identified further northeast on Jockvale Road, approximately 220 m away from the subject land. These wells were identified as part of a Phase II ESA conducted by AMEC. No other pertinent information or concerns were noted during the review of these well records. A copy of the well records has been included in Appendix 2.

Areas of Natural Significance and Water Bodies

The Jock River boarders the eastern and northern property boundaries running in a north-south direction and east-west direction, respectively, and overlain by a designated flood plain. No areas of natural significance are known to exist within the 250 m search radius.

5.0 INTERVIEWS

Property Owner Representative

Mr. Curtiss Scarlett of Minto Communities was interviewed as part of this assessment via email on May 12, 2020. According to Mr. Scarlett, the subject land has always been used for agricultural purposes and is occupied by five (5) out-buildings used to store farm equipment and cattle during the winter season. The site has never been formally developed for residential purposes. Mr. Scarlett is unaware of any potential environmental concerns with respect to the subject property.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

The site visit was conducted on May 13, 2020. Weather conditions were sunny with a temperature of approximately 14°C. Ms. Mandy Witteman from the Environmental Department of Paterson conducted the site assessment. In addition to the site, the uses of neighbouring properties within the Phase I Study Area were also assessed at the time of the site visit.

6.2 Specific Observations at the Phase I Property

Buildings and Structures

Two (2) barns and three (3) out-buildings occupy the site. Cattle are housed in the farthest buildings to the west, while the remaining three (3) buildings are used to store farm equipment and bales of hay. The out-buildings are constructed with either a rock floor foundation or poured concrete. The barns are finished in wood, while the out-buildings are finished in metal cladding. No other buildings are present on the Phase I Property.

Site Features

The northern and eastern property boundaries of the Phase I Property is situated in a designated floodplain associated with the Jock River.

The majority of the site is vacant agricultural land with the Jock River bordering the eastern property boundary. The site is below the grade of Greenbank Road with the eastern portion of the land somewhat undulating, while the remaining land is relatively flat. Site drainage occurs primarily through infiltration.

The topography of the site slopes gently down in an easterly and northerly direction towards the Jock River.

One domestic groundwater well was observed on the western side of the eastern-most building. The well was used for livestock purposes.

A pole mounted transformer was noted on the southeastern property boundary. No signs of staining or stressed vegetation was observed in the immediate area. An exterior 200 Gal (or 760 -L) above ground storage tank (AST) containing diesel fuel was observed on the west wall of the eastern-most building. The AST is presently leased from Petro Canada and is used for refuelling on-site farm equipment. No odour, signs of stained or stressed vegetation were noted at the time of the visit. No hazardous materials, chemicals or waste were noted on-site.

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

Subsurface Structures and Utilities

Above ground electricity is provided on-site. It is not expected that there are subsurface structures present on the Phase I Property.

Neighbouring Properties

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

Land use adjacent to the subject site is as follows:

- North - Agricultural land, followed by Jock River;
- South - Vacant lands under construction, followed by a new residential development;
- East - Jock River followed by residential dwellings; and
- West - Culvert and land under construction, followed by vacant lands.

Land use within the Phase I Study Area (250 m radius) is primarily used for residential and agricultural purposes. No existing off-site PCAs were identified at the time of the site visit. Surrounding land use is shown on Drawing PE4940-2 – Surrounding Land Use Plan.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

Based on the available historical records, the Phase I Property was occupied by out-buildings/barns prior to 1960 and has always been used for agricultural purposes.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

Based on the site visit, the diesel AST was identifed as an on-site potentially contaminating activity (PCA) that results in an area of potential environmental concern (APEC) on the Phase I Property, as defined by Table 2 of O.Reg. 153/04, Column A:

- APEC 1 – Resulting in *"Gasoline and Associated Products Storage in Fixed Tanks,"* associated with the diesel fuel tank on the eastern side of the Phase I Property (PCA 28).

Contaminants of Potential Concern

Based on the APEC identified on the Phase I Property, the contaminants of potential concern (CPCs) are:

- Benzene, ethylbenzene, toluene and xylenes (BTEX); and
- Petroleum hydrocarbons (PHCs, Fractions F_1-F_4).

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

Based on the information from the Geological Survey of Canada, the overburden in the area consists of plain till and marine deposits with a drift thickness ranging from 5 to 25 m. Bedrock in the area consists of limestone and dolomite of the Gull River Formation and Dolomite of the Oxford Formation.

Based on the domestic well record for the Phase I Property, the stratigraphy consists of clay and overworked soil with some stones, underlain by limestone. Bedrock was reached at approximate 7.3 m below the ground surface.

Groundwater flow is interpreted to be in a northerly and/or easterly direction towards Jock River.

Existing Buildings and Structures

The eastern portion of the Phase I Property is occupied by two (2) barns and three (3) out-buildings. Cattle are housed in the western buildings (barns), while the remaining three (3) buildings are used to store farm equipment and bales of hay. No other structures are present on the Phase I Property.

Subsurface Structures and Utilities

The Phase I Property is situated in an area where private wells and septic systems are relied upon, although new development in the area is municipally serviced. It is expected upon development, the site will be municipally serviced. There are no underground utilities with the exception of the domestic well used for livestock purposes. Above ground electricity entering from Greenbank Road services the Phase I Property.

Water Bodies and Areas of Natural Significance

The Jock River boarders the eastern and northern property boundaries running in a north-south direction and east-west direction, respectively, and overlain by a designated flood plain. No areas of natural significance are known to exist within the 250 m search radius.

Drinking Water Wells

The Phase I Property is situated in an area where domestic wells are relied upon. One domestic well was located on-site, although new development in the area is

municipally serviced and it is expected upon development the site will be municipally serviced as well.

Neighbouring Land Use

Neighbouring land use in the Phase I Study Area consists primarily of residential and agricultural fields.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1 of this report, one PCA was considered to result in an APEC on the Phase I Property:

- APEC 1 – Resulting in *"Gasoline and Associated Products Storage in Fixed Tanks,"* associated with the diesel fuel tank on the eastern side of the Phase I Property (PCA 28).

Contaminants of Potential Concern

As per Section 7.1, the CPCs identified on the Phase I Property are:

- Benzene, ethylbenzene, toluene and xylenes (BTEX); and
- Petroleum hydrocarbons (PHCs, Fractions F_1-F_4).

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 is one on-site PCA that has resulted in an APEC on the Phase I Property.

A variety of independent sources were consulted as part of this assessment, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

8.0 CONCLUSIONS

Assessment

Paterson Group was retained by Minto Communities to conduct a Phase I-Environmental Site Assessment (ESA) for 3432 Greenbank Road, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the subject site and the Phase I Study Area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical research, the eastern portion of the Phase I Property was occupied by farm structures prior to 1960, while the remaining lands existed as agricultural fields. No potentially contaminating activities (PCAs) were identified during the historical review of the Phase I Property.

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

Following the historical research, a site visit was conducted. The Phase I Property is occupied by two (2) barns and three (3) out-buildings. Cattle are housed in the western buildings (barns), while the remaining three (3) buildings are used to store farm equipment. An exterior 760-L above ground storage tank (AST) was noted on the exterior wall of the eastern-most building. The AST is equipped with a private fuel dispenser to refuel the on-site farm equipment. Storage of diesel fuel on-site is a potentially contaminating activity (PCA) that is considered to represent an area of potential environmental concern (APEC) on the Phase I Property. While there was no evidence of environmental impact, further environmental work would be required to confirm this.

The neighbouring properties to the north, east, and west are occupied by farmsteads, residences and/or agricultural lands. No PCAs were noted with the current use of the Phase I Property or the lands within the Phase I Study Area.

Conclusion

Based on the results of the assessment, **it is our opinion that a Phase II-Environmental Site Assessment is required for the subject property**

9.0 STATEMENT OF LIMITATIONS

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

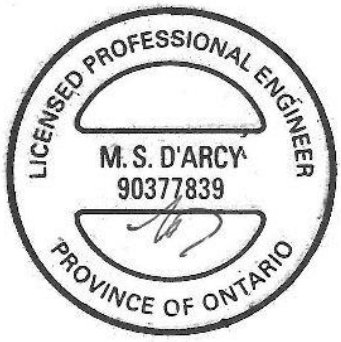
Should any conditions be encountered at the subject site and/or historical information that differ from our findings, we request that we be notified immediately in order to allow for a reassessment.

Permission and notification from Minto Communities and Paterson will be required to release this report to any other party.

Paterson Group Inc.

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

Mark S. D'Arcy, P.Eng. QP$_{ESA}$



Report Distribution:

- ❑ Minto Communities
- ❑ Paterson Group

10.0 REFERENCES

Federal Records
Air photos at the Energy Mines and Resources Air Photo Library.
National Archives.
Maps and photographs (Geological Survey of Canada surficial and subsurface mapping).
Natural Resources Canada – The Atlas of Canada.
Environment Canada, National Pollutant Release Inventory.
PCB Waste Storage Site Inventory.

Provincial Records
MECP Freedom of Information and Privacy Office.
MECP Municipal Coal Gasification Plant Site Inventory, 1991.
MECP document titled “Waste Disposal Site Inventory in Ontario”.
MECP Brownfields Environmental Site Registry.
Office of Technical Standards and Safety Authority, Fuels Safety Branch.
MNR Areas of Natural Significance.
MECP Water Well Record Inventory.
Chapman, L.J., and Putnam, D.F., 1984: ‘The Physiography of Southern Ontario, Third Edition’, Ontario Geological Survey Special Volume 2.

Municipal Records
City of Ottawa Document “Old Landfill Management Strategy, Phase I - Identification of Sites.”, prepared by Golder Associates, 2004.
Intera Technologies Limited Report “Mapping and Assessment of Former Industrial Sites, City of Ottawa”, 1988.
geoOttawa: City of Ottawa electronic mapping website.
City of Ottawa Historical Land Use Inventory (HLUI) Database

Local Information Sources
Personal Interviews.

Public Information Sources
Google Earth.
Google Maps/Street View.

Private Information Source
ERIS Report

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE4940-1 – SITE PLAN

DRAWING PE4940-2 – SURROUNDING LAND USE PLAN

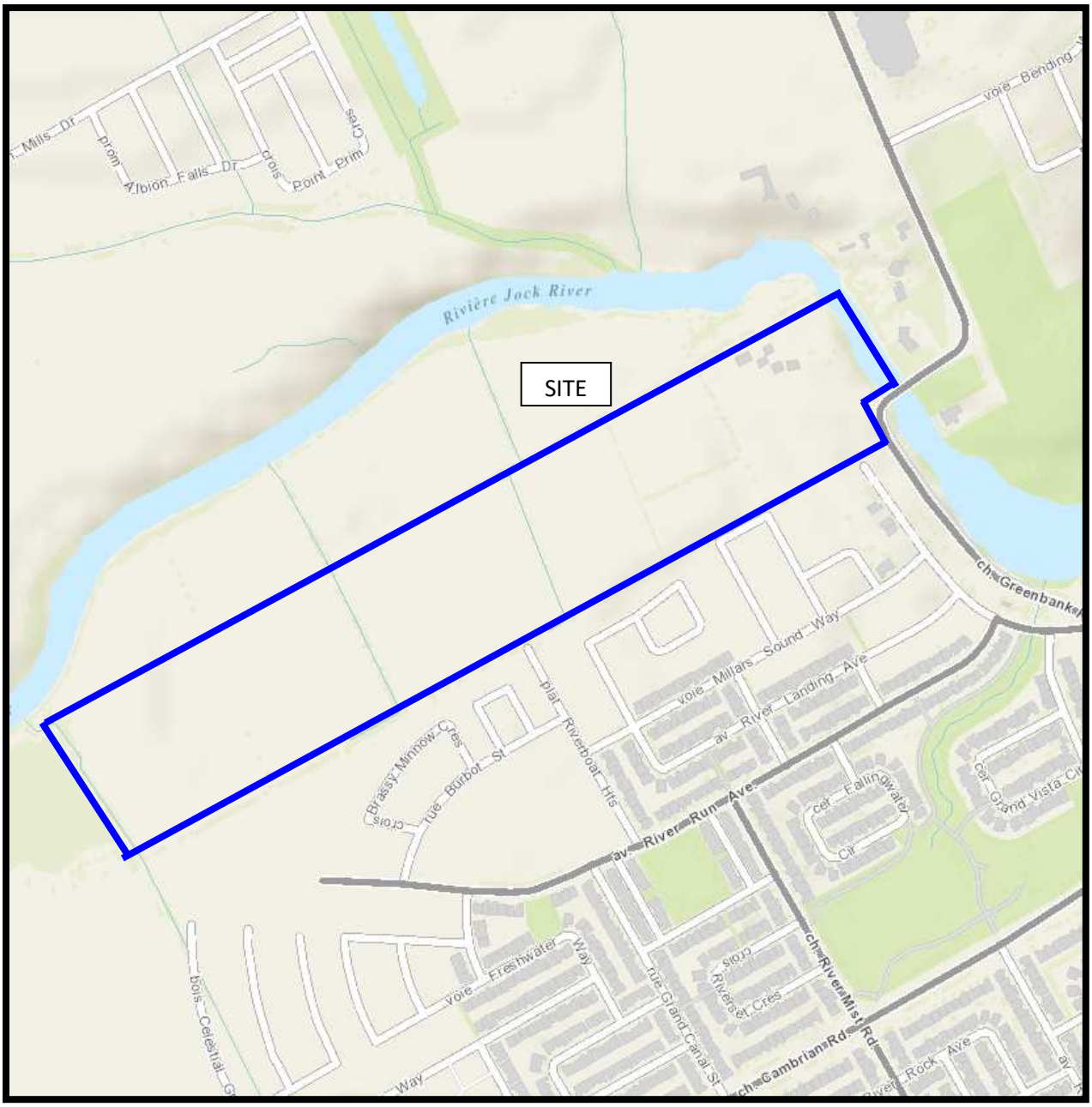


FIGURE 1

KEY PLAN

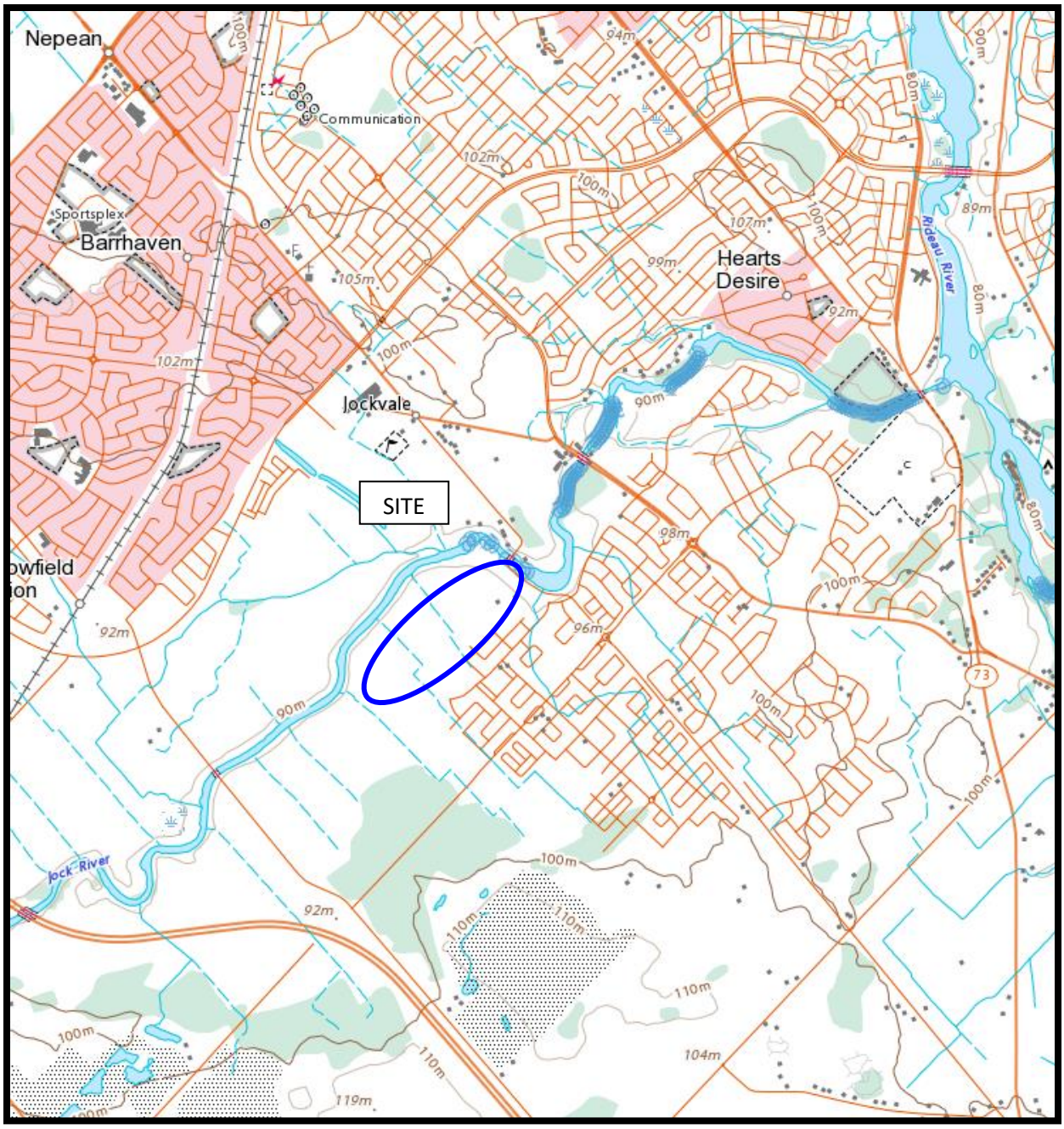
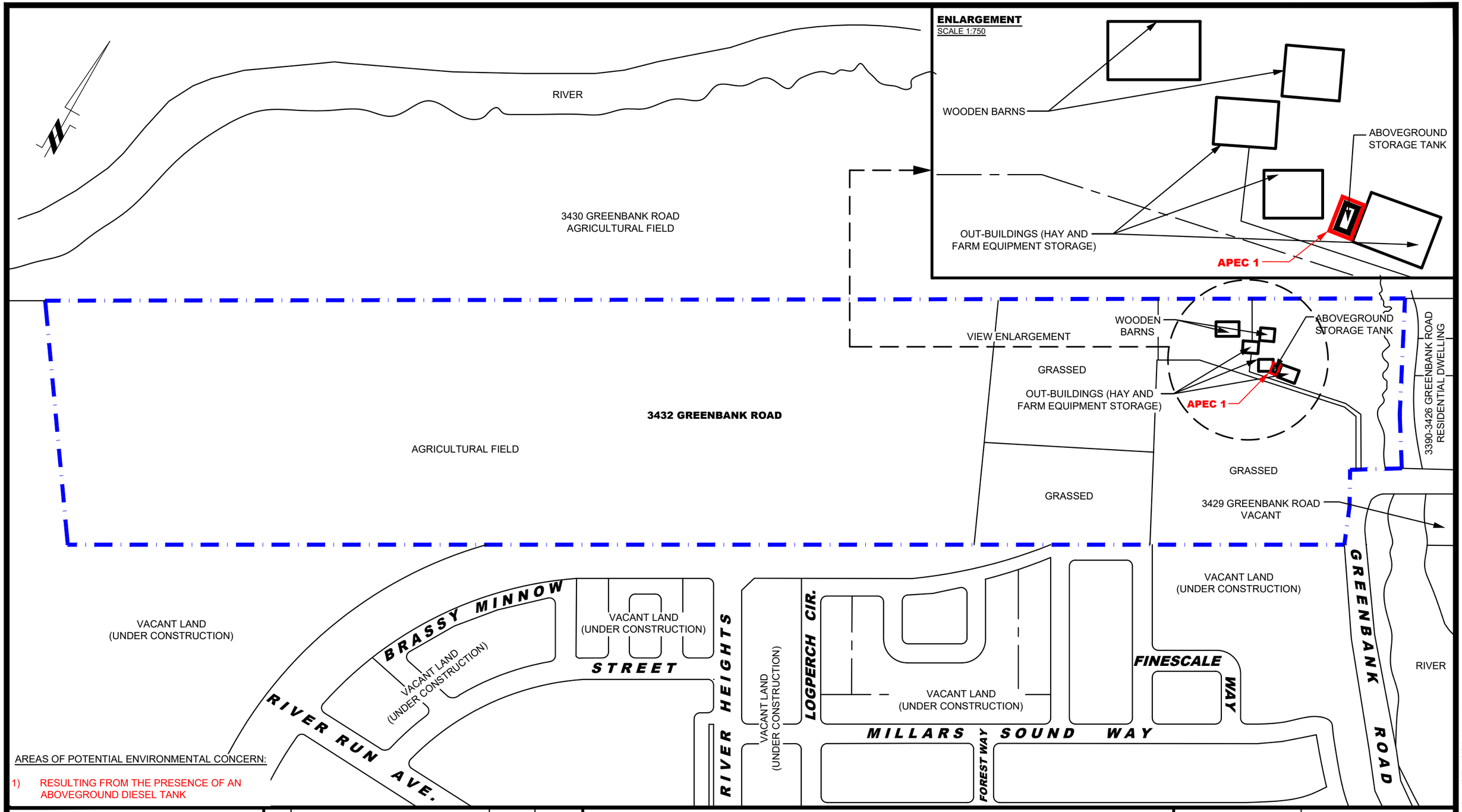


FIGURE 2

TOPOGRAPHIC MAP



AREAS OF POTENTIAL ENVIRONMENTAL CONCERN:

1) RESULTING FROM THE PRESENCE OF AN ABOVEGROUND DIESEL TANK

patersongroup
consulting engineers

154 Colonnade Road South
Ottawa, Ontario K2E 7J5
Tel: (613) 226-7381 Fax: (613) 226-6344

NO.	REVISIONS	DATE	INITIAL

MINTO COMMUNITIES

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
3432 GREENBANK ROAD

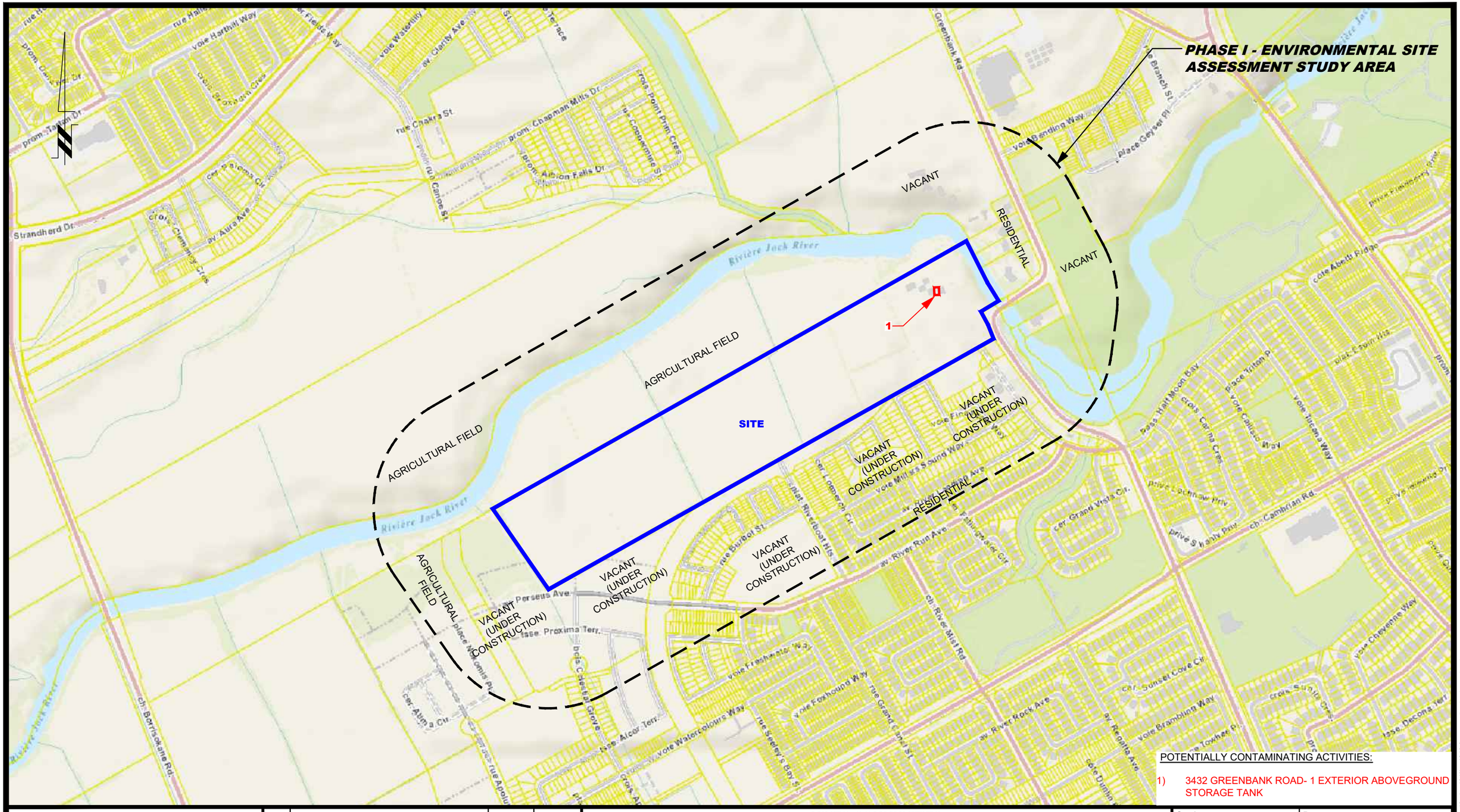
OTTAWA, ONTARIO

Title:

SITE PLAN

Scale: 1:3000	Date: 05/2020
Drawn by: YA	Report No.: PE4940-1
Checked by: MW	Dwg. No.: PE4940-1
Approved by: MSD	Revision No.:

p:\autocad drawings\environmental\pe49xx\pe4940\pe4940-1-site plan.dwg



patersongroup
consulting engineers
154 Colonnade Road South
Ottawa, Ontario K2E 7J5
Tel: (613) 226-7381 Fax: (613) 226-6344

NO.	REVISIONS	DATE	INITIAL

MINTO COMMUNITIES

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
3432 GREENBANK ROAD

OTTAWA, ONTARIO

Title:

SURROUNDING LAND USE PLAN

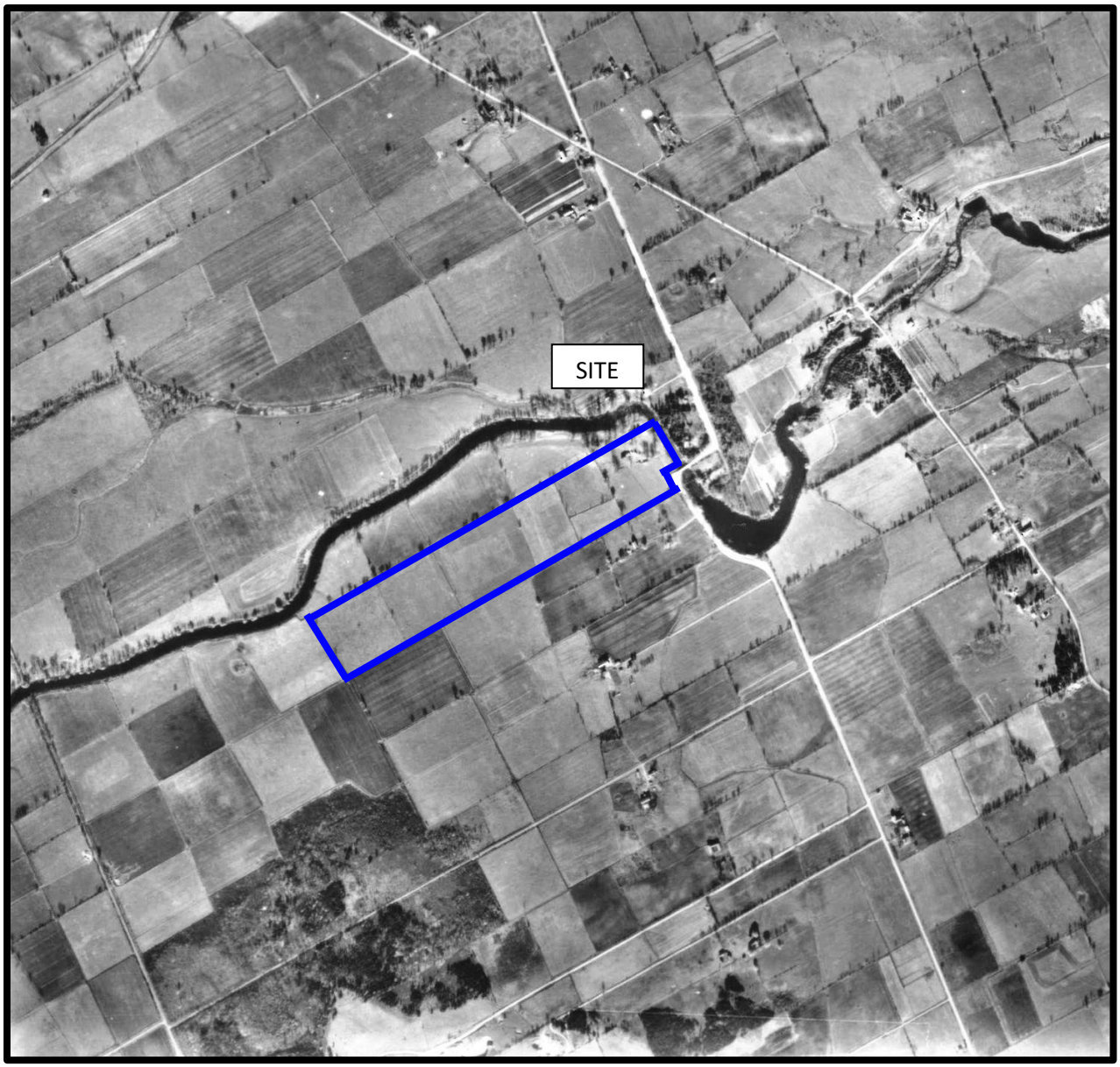
Scale: 1:7500	Date: 05/2020
Drawn by: YA	Report No.: PE4940-1
Checked by: MW	Dwg. No.: PE4940-2
Approved by: MSD	Revision No.:

p:\autocad drawings\environmental\pe4940\pe4940-2-surrounding land use plan.dwg

APPENDIX 1

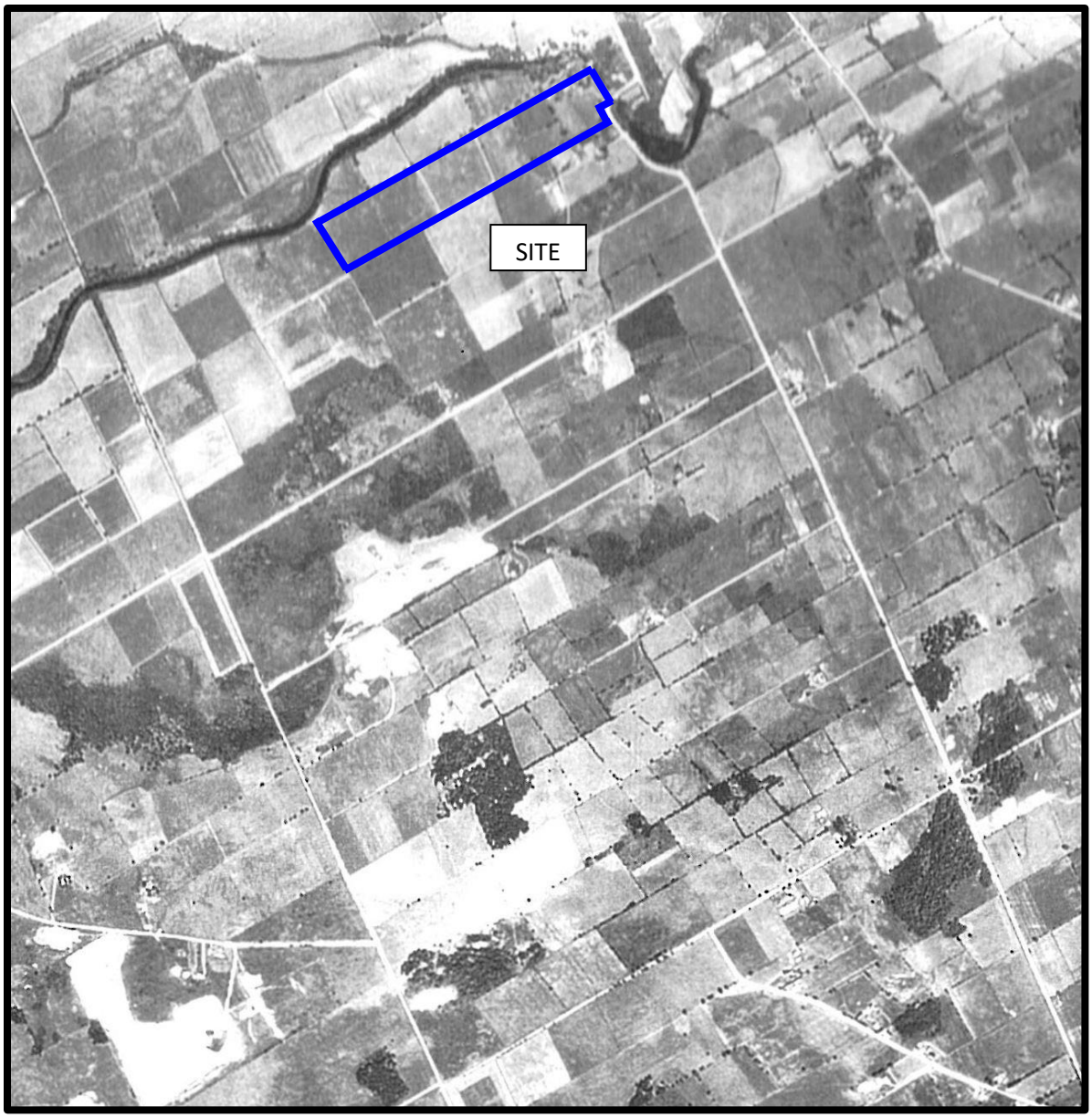
AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS

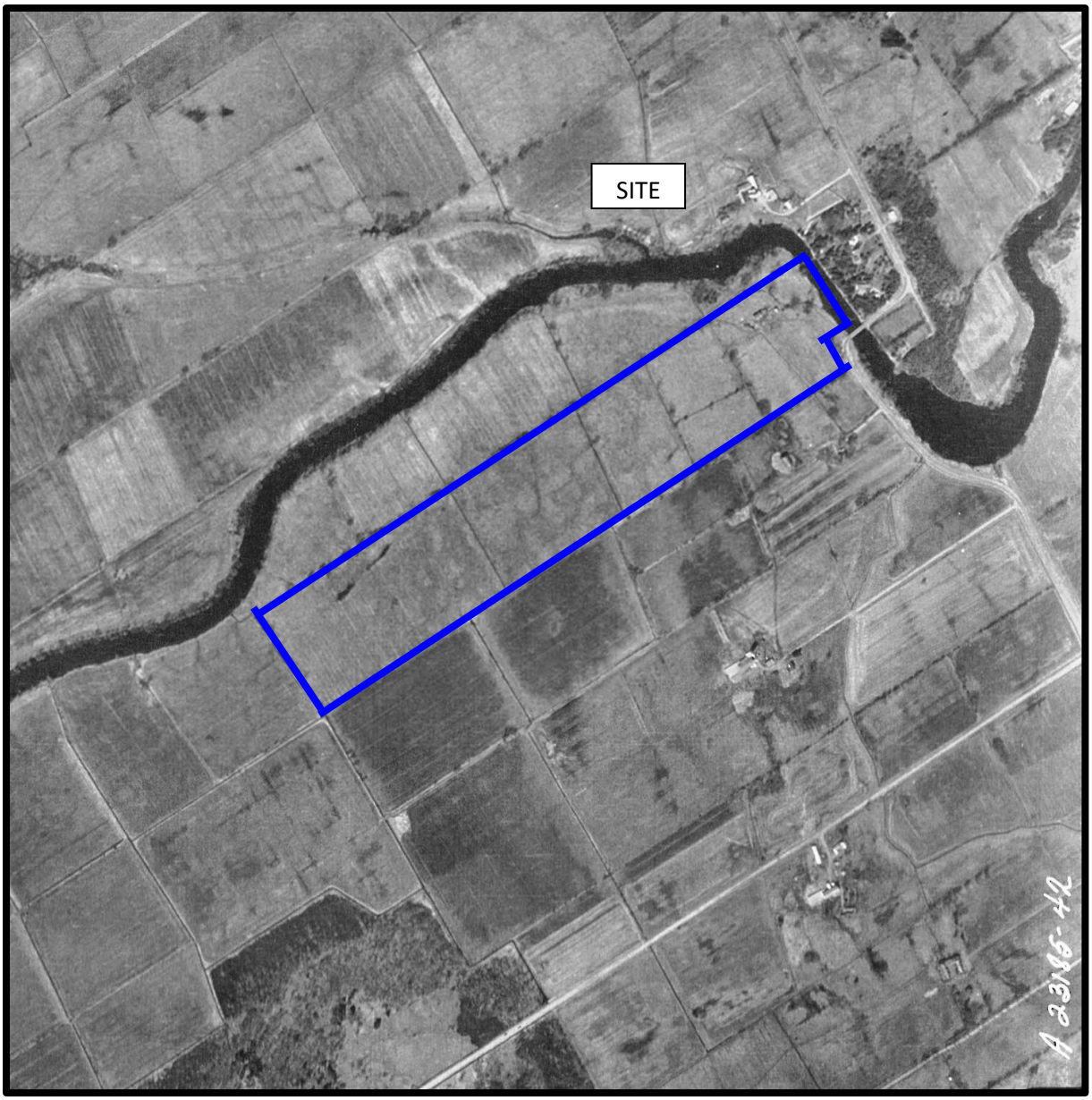


AERIAL PHOTOGRAPH
1960

patersongroup

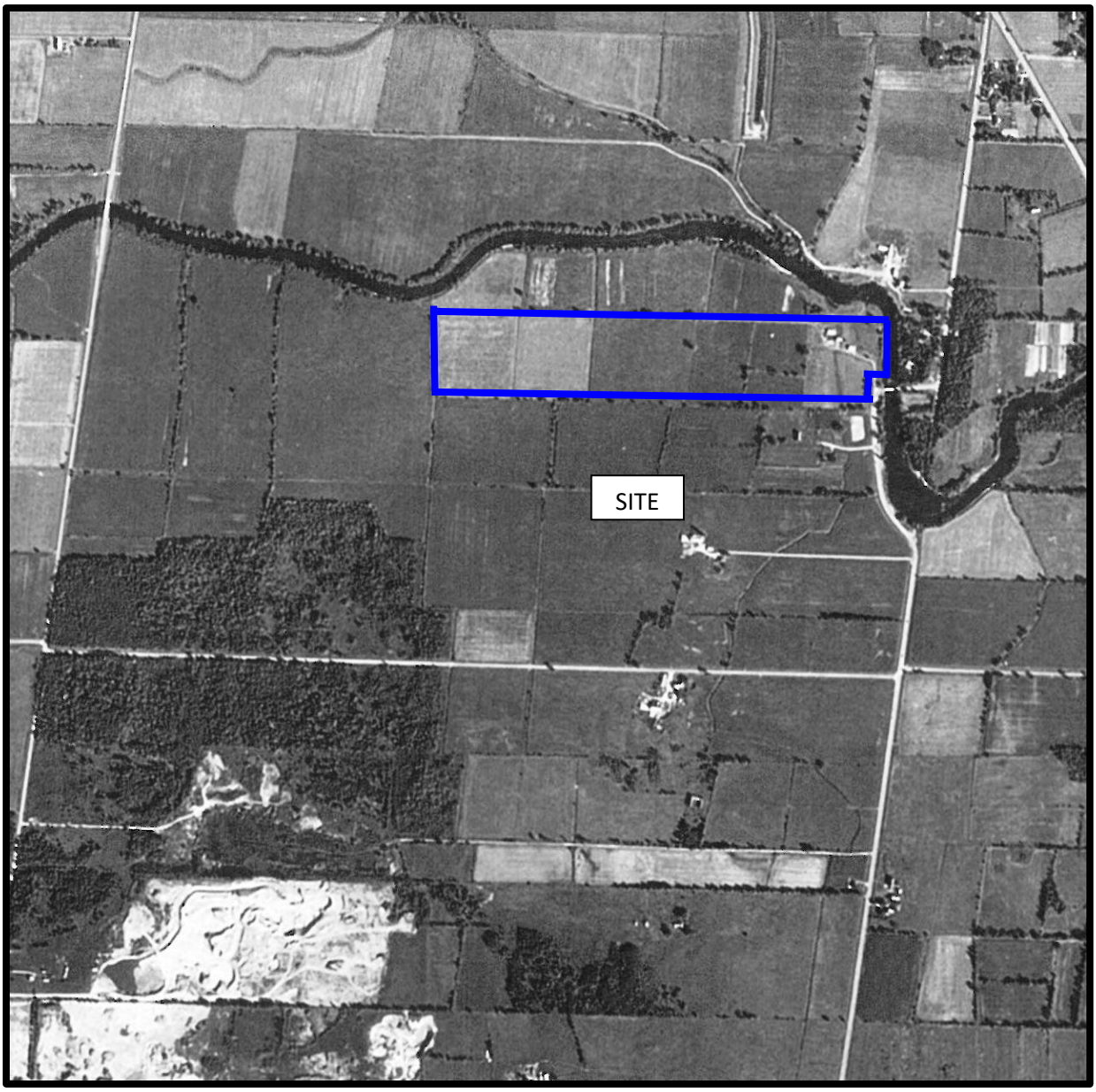


AERIAL PHOTOGRAPH
1966



AERIAL PHOTOGRAPH
1973

patersongroup



AERIAL PHOTOGRAPH
1987

patersongroup

AERIAL PHOTOGRAPH
1999

AERIAL PHOTOGRAPH
2011

AERIAL PHOTOGRAPH
2017

Site Photographs

PE4940 3432 Greenbank Road, Ottawa, ON May 13, 2020

Photograph 1: View of the eastern portion of the Phase I Property, taken from the southcentral side of the Phase I Property, looking towards Greenbank Road.

Photograph 2: View of the southern west side of the Phase I Property, looking west.

Photograph 2: View of the outbuildings (eastern and northern buildings), exterior diesel AST, domestic well and farm equipment, looking north.

Photograph 3: View of the two (2) barns (western buildings) on the Phase I Property, looking north.

APPENDIX 2

MECP WELL RECORDS

HLUI RESPONSE

TSSA RESPONSE

ERIS REPORT

72"

3165

UTM 18 Z 414191510 E

15 R 5011116910 N

Elev. 14 R 013010

Basin 215

Lot 12

15 No. 6041

The Ontario Water Resources Commission Act, 1957

WATER WELL RECORD

County or District [redacted] Township, Village, Town or City

Date completed (day month year)

Address

Casing and Screen Record

Inside diameter of casing

Total length of casing

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole

Pumping Test

Static level

Test-pumping rate G.P.M.

Pumping level

Duration of test pumping

Water clear or cloudy at end of test

Recommended pumping rate G.P.M.

with pumping ~~level~~ of SET 2

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, sulphur)
GREY					

Water Record

For what purpose(s) is the water to be used?

NEW HOUSE

Is well on upland, in valley, or on hillside?

Drilling Firm BLAIR PHILLIPS DRILLING CO. LTD

Address

Licence Number

Name of Driller

Address

Date

(Signature of Licensed Drilling Contractor)

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.

Form 5
15M-58-4149

JOHNSON

92

3165b

15 No. 6042

UTM 18 Z 441810 E

5 R 5011520 N

Elev. 4 R 0300

Basin 25

WATER WELL RECORD

The Ontario Water Resources Commission Act

County or District [redacted] Township, Village, Town or City NEPEAN

Con. 3 OR Lot 12 Date completed 7 (day) SEP month 56 year)

Owner [redacted] Address [illegible]

Casing and Screen Record

Inside diameter of casing 5

Total length of casing 31

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole 5

Pumping Test

Static level 15

Test-pumping rate 15 G.P.M.

Pumping level 15

Duration of test pumping 1 HR

Water clear or cloudy at end of test CLEAR

Recommended pumping rate 5 G.P.M.

with pump setting of 35 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
BOULDER LOAM	0	21		
GRAVEL	21	31		
LIMESTONE	31	40	40	FRESH

TOTAL HOLE

For what purpose(s) is the water to be used? FARM

Is well on upland, in valley, or on hillside?

Drilling or Boring Firm [illegible]

Address [illegible]

Licence Number 2157

Name of Driller or Borer [illegible]

Address [illegible]

Date DEC 6

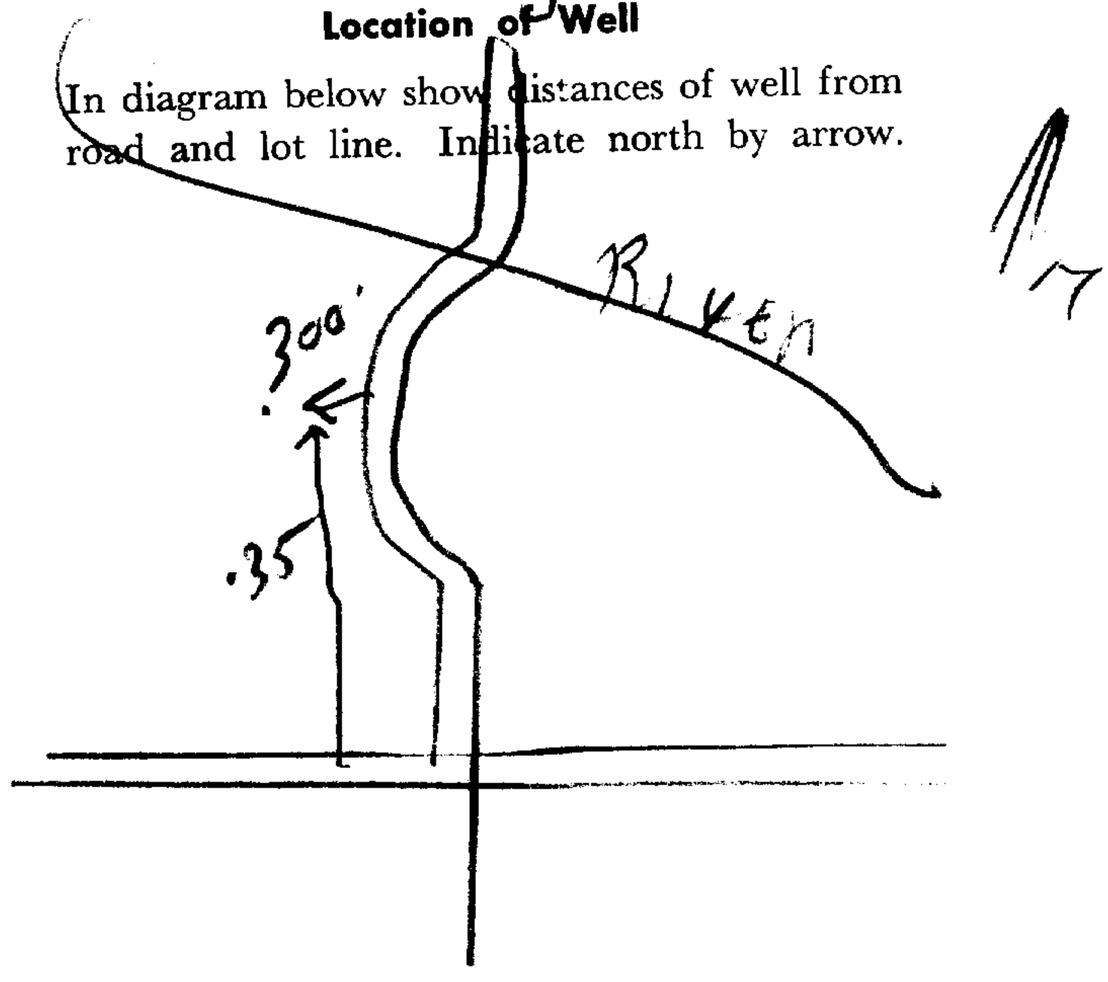
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



UTM | 18 Z | 441 810 E
| 5 R | 5011 9810 N
Elev. | 4 R | 0305

Basin | 25 | Front | | |

Lot-13

ONTARIO

31G-5b

RECEIVED
JUN 30 1954
GEOLOGICAL BRANCH
DEPARTMENT of MINES

15 No. 6043

X

The Well Drillers Act

Department of Mines, Province of Ontario

Water Well Record

County or Territorial District Carleton ..... Township, ~~Village, Town or City~~ Nepean .....

Con. 3 W Lot 13 Registered Number (if in Village, Town or City) .....

Owner [redacted] ..... Address Jockville .....

Date Completed 15 (day) Feb (month) 54 (year) ..... Cost of Well (excluding pump) .....

Pipe and Casing Record

Casing diameter(s) 5"

Length(s) of casing(s) 23'

Type of screen .....

Length of screen .....

Distance from top of screen to ground level .....

Is well a gravel-wall type? .....

Pumping Test

Date 15 Feb 54

Static level 10-12 ft

Pumping level 14 ft

Pumping rate 500 GPH

Duration of test 25 min

Distance from cylinder or bowls to ground level .....

Water Record

Kind (fresh or mineral) Fresh

Quality (hard, soft, contains iron, sulphur, etc.) Hard

Appearance (clear, cloudy, coloured) clear

For what purpose(s) is the water to be used? stock, house

.....

How far is well from possible source of contamination? 50 ft

What is the source of contamination? Barn yard

Enclose a copy of any mineral analysis that has been made of water

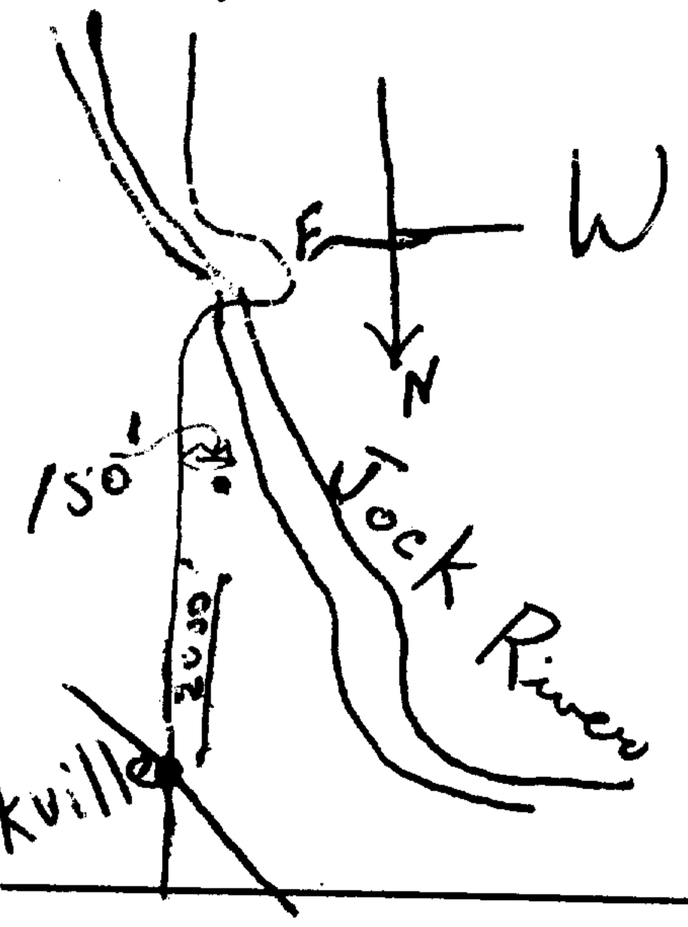
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
52-65	fresh	to 10-12ft

Well Log

Overburden and Bedrock Record	From	To
hard pan & boulders	0 ft.	19 ft.
sandy limestone	19	68

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Situation: Is well on upland, in valley, or on hillside? valley

Drilling Firm .....

Address .....

Name of Driller Bert E. Sparks Address .....

Date Feb 16/54 Licence Number 420

Bert E. Sparks
Signature of Licensee

FORM 5

UTM 18 - 441960 Con II R.F. Lot 12 CODED

14 - 510 11 8 6 0

Elev. 5T 0 3 0 6

Basin 1 2 5T

1509671

WATER RESOURCES DIVISION JUN 13 1968 ONTARIO WATER RESOURCES COMMISSION

3

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District Carleton Township, Village, Town or City Nepean

Con. 2 R.F. Lot 12 Date completed 15 (day) May (month) 1968 (year)

[redacted] ss 1155 ~~Rd~~ Normandy Cres. Ottawa

Casing and Screen Record

Inside diameter of casing 5"

Total length of casing 38'

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole 5"

Pumping Test

Static level 11'

Test-pumping rate 7 G.P.M.

Pumping level 75'

Duration of test pumping 1 hr

Water clear or cloudy at end of test cloudy

Recommended pumping rate 5 G.P.M.

with pump setting of 100' feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
clay with boulders	0'	12'	145	fresh
			167	"
sand	12'	26'		
hardpan	26'	33'		
hardpan & boulders	33'	35'		
limestone	35	169		

For what purpose(s) is the water to be used? new house

Is well on upland, in valley, or on hillside?

Drilling or Boring Firm Capital Water Supply Ltd.

Address 14 Ashford Dr. Ottawa Ont.

Licence Number 2857

Name of Driller or Borer R. Mains

Address

Date May 16 1968

Walter Kavanagh

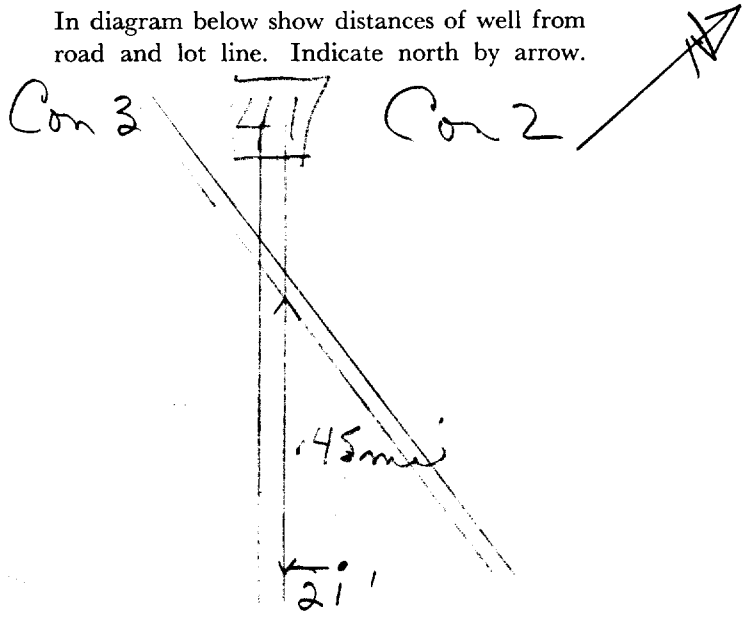
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



RE Con III
CODED Lot 12

TM 18Z 44.19210
4R 5701176 01
lev. 5T R 9302

1510110 P

The Ontario Water Resources Commission Act

WATER WELL RECORD

DIVISION OF WATER RESOURCES
JUL 7 1969
ONTARIO WATER RESOURCES COMMISSION

sin 21ST Lanark

County or District Carleton — Township, Village, Town or City Nepean

Con. 3 RF Lot PT 12 — Date completed 26 (day) May (month) 1969 (year)

Owner [redacted] — Address 102 Starwood Ottawa

Casing and Screen Record

SB

Inside diameter of casing: 2
Total length of casing: 40
Type of screen: —
Length of screen: —
Depth to top of screen: —
Diameter of finished hole: 2

Pumping Test

Static level: 7
Test-pumping rate: 15 G.P.M.
Pumping level: 20
Duration of test pumping: 4 hrs
Water clear or cloudy at end of test: Clear
Recommended pumping rate: 8 G.P.M.
with pump setting of: 25 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
Sandy Clay With Bolders	0	4	101	Fresh
Grey Sand with Bolders	4	12		
Grey fine sand	12	26		
Coarse Gravel Sand & Bolders	26	37		
Soft Limestone	37	103		

For what purpose(s) is the water to be used? House

Is well on upland, in valley, or on hillside? Upland

Drilling or Boring Firm: F. R. COSSETTE

Address: 1510 BASELINE Rd. OTTAWA ONT

Licence Number: 3182

Name of Driller or Borer: Same

Address:

Date: May 26 - 1969

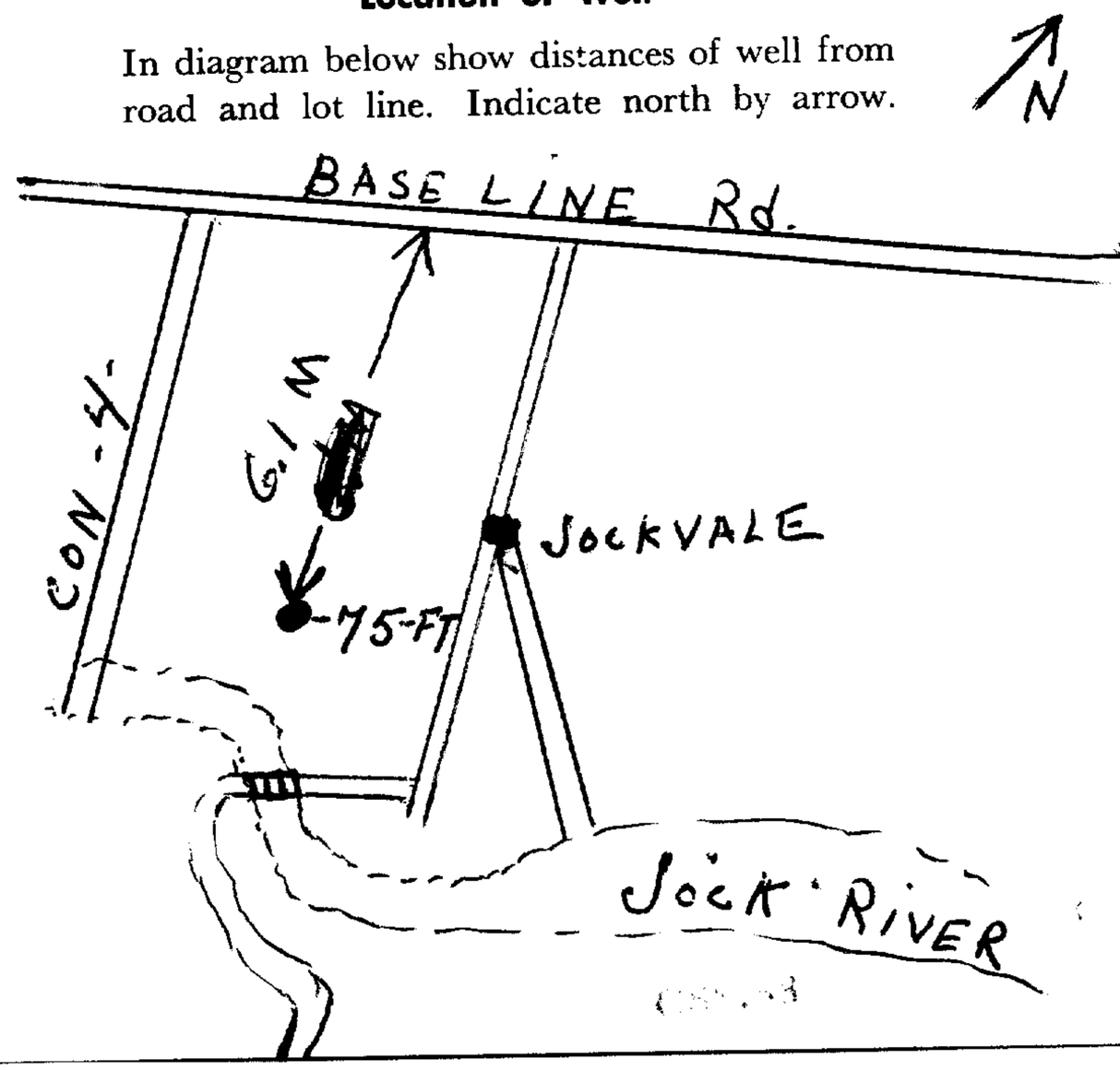
F. R. Cossette
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Twp. 118 44 19 10 Con III RF
Lot 4 R 5 12 1 1 1 8 8 0 Lot 12
Prov. ST R 1 3 9 2

CODED

1510111
3 9

The Ontario Water Resources Commission Act

WATER WELL RECORD

DIVISION OF WATER RESOURCES
JUL 7 1969
ONTARIO WATER RESOURCES COMMISSION

Basin 1 2 5 T Carleton
County or District ..... Township, Village, Town or City Nepean

Con. 3 RF Lot PT 12 Date completed 23 (day) May (month) 1969 (year)

Owner [redacted] Address 460 ATHLONE OTTAWA

Casing and Screen Record

Inside diameter of casing	2
Total length of casing	37
Type of screen	—
Length of screen	—
Depth to top of screen	—
Diameter of finished hole	2

Pumping Test

Static level	6
Test-pumping rate	15 G.P.M.
Pumping level	20
Duration of test pumping	10 hrs
Water clear or cloudy at end of test	Clear
Recommended pumping rate	8 G.P.M.
with pump setting of	20 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
Sandy Clay with Bolders	0	9	105	Fresh
Sand & Bolders	9	22		
Fine Sand	22	28		
Coarse Gravel & Bolders	28	33		
Soft Limestone	33	107		

For what purpose(s) is the water to be used? House

Is well on upland, in valley, or on hillside? Upland

Drilling or Boring Firm F.R. COSSETTE

Address 1510 BASELINE Rd. OTTAWA ONT

Licence Number 3182

Name of Driller or Borer Same

Address

Date May 23 - 1969

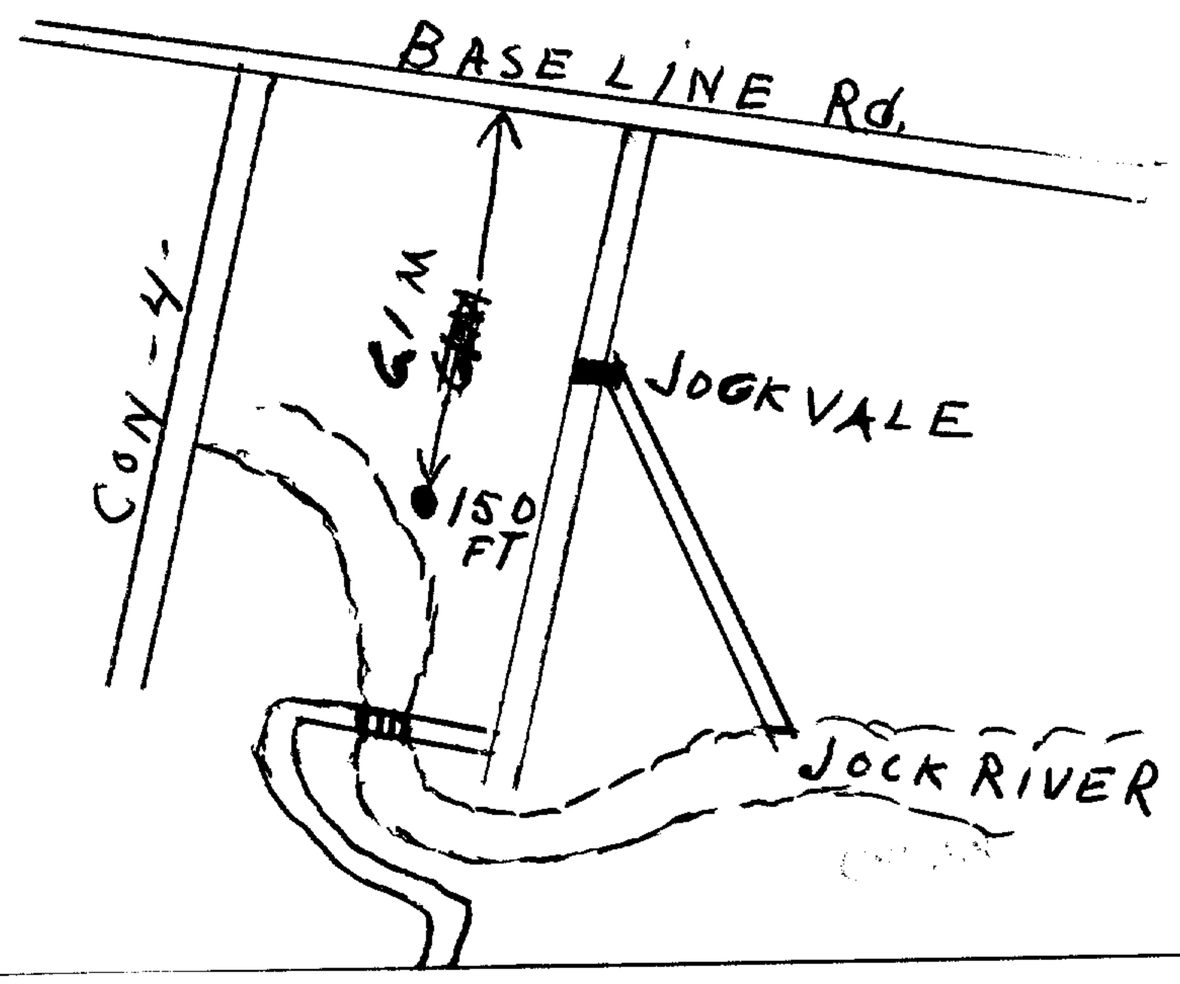
F.R. Cossette
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Ministry of the Environment
Ontario

OTTAWA-CARLETON

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 1522107 — MUNICIP — CON.

COUNTY OR DISTRICT: Carleton
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Nepean
CON., BLOCK, TRACT, SURVEY, ETC.: Con 3, R.F
LOT: W.½ 12
ADDRESS: [redacted] 2810 Carling Ave. Ottawa
DATE COMPLETED: DAY 16 MO 9 YR 87

21 — UTM ZONE — EASTING — NORTHING — RC — ELEVATION — RC — BASIN CODE: 7JT2

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
grey	clay hardpan	stones		0	24
grey	limestone			24	65

31 — 32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
45	1 ☒ FRESH 3 ☐ SULPHUR / 2 ☐ SALTY 4 ☐ MINERAL
60	1 ☒ FRESH 3 ☐ SULPHUR / 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR / 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR / 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR / 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6	1 ☒ STEEL / 2 ☐ GALVANIZED / 3 ☐ CONCRETE / 4 ☐ OPEN HOLE	.188	0	27
6	1 ☐ STEEL / 2 ☐ GALVANIZED / 3 ☐ CONCRETE / 4 ☒ OPEN HOLE		27	65
	1 ☐ STEEL / 2 ☐ GALVANIZED / 3 ☐ CONCRETE / 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER (INCHES)	LENGTH (FEET)

MATERIAL AND TYPE: — DEPTH TO TOP OF SCREEN (FEET):

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
		cement grouted

PUMPING TEST

71

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	15 GPM	1 HOURS 0 MINS

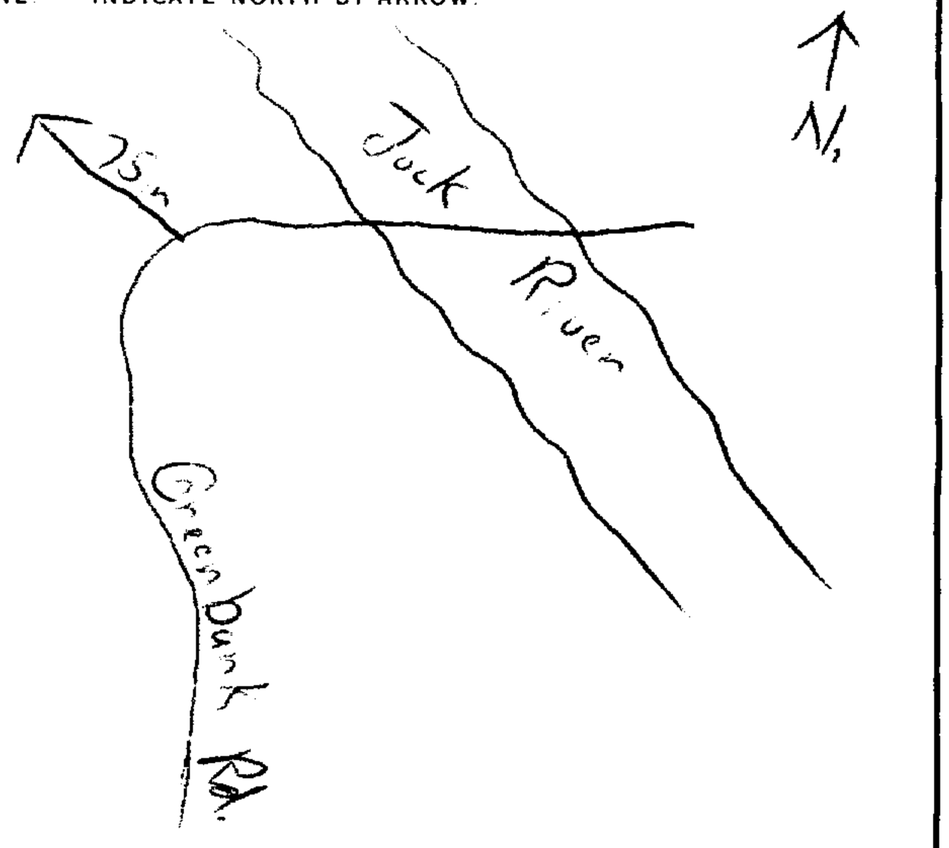
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING (1 ☐ PUMPING 2 ☐ RECOVERY)	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
8 FEET	20 FEET		20 FEET	20 FEET	20 FEET	20 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	FEET	1 ☐ CLEAR 2 ☒ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☒ SHALLOW ☐ DEEP	25 FEET	10 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS: 08656

FINAL STATUS OF WELL

54

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE

55-56

1 ☐ DOMESTIC 2 ☒ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING

1 ☐ CABLE TOOL ☐ ROTARY (CONVENTIONAL) 2 ☐ ROTARY (REVERSE) 3 ☐ ROTARY (AIR) 4 ☒ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

3644

CONTRACTOR

NAME OF WELL CONTRACTOR: Ace Mains Well Drilling — LICENCE NUMBER: 3644
ADDRESS: Box 326, Richmond Ont
NAME OF DRILLER OR BORER: — LICENCE NUMBER:
SIGNATURE OF CONTRACTOR: — SUBMISSION DATE: DAY 19 MO 9 YR 87

OFFICE USE ONLY

DATE RECEIVED: JAN 13 1988
DATE OF INSPECTION: — INSPECTOR:
REMARKS:

FORM NO. 0506—4—77 FORM 7

MINISTRY OF THE ENVIRONMENT COPY

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 1524374 — MUNICIP 15008 — CON. RF 03

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
[redacted]	Nepean	3	12

DATE COMPLETED: DAY 9 MO 01 YR 90

[redacted] 30 Concourse Gate, Unit #40 Nepean, Ontario K2E 7V7

RC — ELEVATION — RC — BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Sandy Clay	Boulders		0	5
Gray	Sand	Gravel & Boulders		5	23
Gray	Limestone			23	75

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
70	1 ☐ FRESH 2 ☒ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	26
5 15/16	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC		26	75
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE — DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
10-13	14-17	
18-21	22-25	
26-29	30-33	

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	30 GPM	1 HOURS ___ MINS

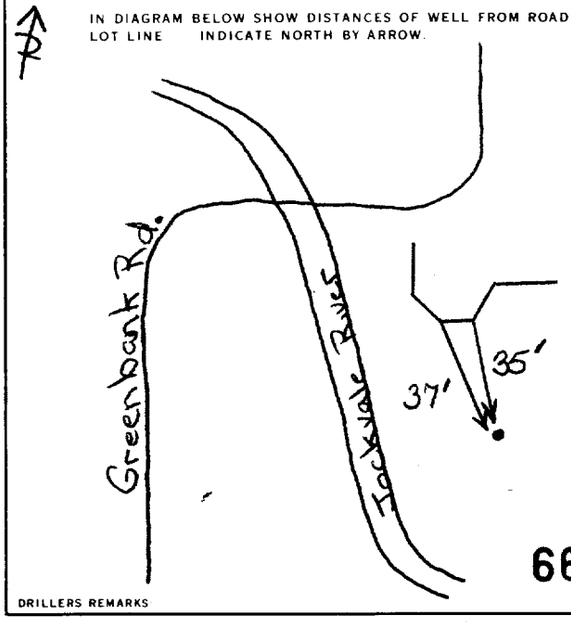
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
5 FEET	25 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	25 FEET	25 FEET	25 FEET	25 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	25 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	50 FEET	5 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



66566

DRILLERS REMARKS

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING

WATER USE

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☒ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: Capital Water Supply Ltd.
WELL CONTRACTOR'S LICENCE NUMBER: 1558
ADDRESS: Box 490 Stittsville, Ontario K2S 1A6
NAME OF WELL TECHNICIAN: S. Miller
WELL TECHNICIAN'S LICENCE NUMBER: T0097
SIGNATURE OF TECHNICIAN/CONTRACTOR: [signature]
SUBMISSION DATE: DAY 09 MO 01 YR 90

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR 1558 — DATE RECEIVED APR 02 1990
DATE OF INSPECTION — INSPECTOR
REMARKS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ontario Ministry of the Environment

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 (1-2) **1532290** Municipality 15008 (10-14) Con. RF (15-22) 03 (23-24)

County or District	Township/Borough/City/Town/Village	Con	block	tract	survey, etc.	Lot (25-27)
Ottawa Carleton	Nepean	3				13

[redacted]

Address: 3390 Greenbank Rd., Nepean On. K2J 4H7

Date completed (48-53): 09 day 08 month 01 year

21 (1-2) UTM (10) Northing (12-17) (18-24) RC (25) Elevation (26) RC (30) Basin Code (31) ii iii iv (47)

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
Brown	sandy soil	stones		0	12
Grey	sandy clay	boulders		12	40
Grey	limestone			40	165
Grey	limestone		badly broken	165	175

31 (1-10) (14-15) (21-32) (43-54) (65-75) (80)

32

41 WATER RECORD

Water found at - feet	Kind of water
165-175	1 ☐ Fresh 3 ☐ Sulphur 4 ☐ Minerals 2 ☐ Salty 6 ☐ Gas (14) NOT TESTED
15-18	1 ☐ Fresh 3 ☐ Sulphur 4 ☐ Minerals 2 ☐ Salty 6 ☐ Gas (19)
20-23	1 ☐ Fresh 3 ☐ Sulphur 4 ☐ Minerals 2 ☐ Salty 6 ☐ Gas (24)
25-28	1 ☐ Fresh 3 ☐ Sulphur 4 ☐ Minerals 2 ☐ Salty 6 ☐ Gas (29)
30-33	1 ☐ Fresh 3 ☐ Sulphur 4 ☐ Minerals 2 ☐ Salty 6 ☐ Gas (34) (60)

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6 1/4 (11-12)	1 ☒ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic (12)	.188	0	43 (13-16)
6 (17-18)	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☒ Open hole 5 ☐ Plastic (19)		43	175 (20-23)
(24-25)	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic (26)			(27-30)

SCREEN

Sizes of opening (Slot No.) (31-33)	Diameter (34-38) inches	Length (39-40) feet
Material and type	**Depth at top of screen (41-44) feet**	(30)

61 PLUGGING & SEALING RECORD

☒ Annular space ☐ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
43 (10-13)	0 (14-17)	Grouted-bentonite(6)
(18-21)	(22-25)	
(26-29)	(30-33) (80)	

71 PUMPING TEST

Pumping test method (10)	Pumping rate (11-14)	Duration of pumping (15-16) Hours (17-18) Mins
1 ☒ Pump 2 ☐ Bailer	12 GPM	1 Hours

Static level (19-21)	Water level end of pumping (22-24)	Water levels during (25)	15 minutes (26-28)	30 minutes (29-31)	45 minutes (32-34)	60 minutes (35-37)
32'4" feet	85 feet	1 ☒ Pumping 2 ☐ Recovery	173 feet	173 feet	100 feet	85 feet

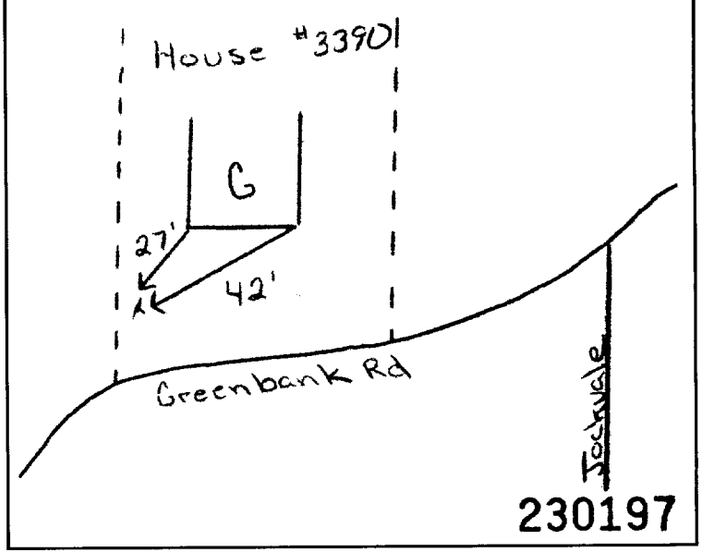
If flowing give rate (38-41)	Pump intake set at	Water at end of test (42)
GPM	feet	☐ Clear ☐ Cloudy

Recommended pump type	Recommended pump setting (43-45)	Recommended pump rate (46-49)
☐ Shallow ☒ Deep	100 feet	5 GPM

(50-53)

LOCATION OF WELL

#7 In diagram below show distances of well from road and lot line. Indicate north by arrow.



230197

FINAL STATUS OF WELL (54)

1 ☒ Water supply 2 ☐ Observation well 3 ☐ Test hole 4 ☐ Recharge well 5 ☐ Abandoned, insufficient supply 6 ☐ Abandoned, poor quality 7 ☐ Abandoned (Other) 8 ☐ Dewatering 9 ☐ Unfinished 10 ☐ Replacement well

WATER USE (55-56)

1 ☒ Domestic 2 ☐ Stock 3 ☐ Irrigation 4 ☐ Industrial 5 ☐ Commercial 6 ☐ Municipal 7 ☐ Public supply 8 ☐ Cooling & air conditioning 9 ☐ Not use 10 ☐ Other

METHOD OF CONSTRUCTION (57)

1 ☐ Cable tool 2 ☐ Rotary (conventional) 3 ☐ Rotary (reverse) 4 ☒ Rotary (air) 5 ☒ Air percussion 6 ☐ Boring 7 ☐ Diamond 8 ☐ Jetting 9 ☐ Driving 10 ☐ Digging 11 ☐ Other

Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558
Address	
B ox 490, Stittsville On. K2S 1A6	
Name of Well Technician	**Well Technician's Licence No.**
S. Miller	T0097
Signature of Technician/Contractor	**Submission date** day 9 mo 8 yr 01

MINISTRY USE ONLY

Data source (58)	Contractor (59-62)	Date received (63-68) (80)
	1558	SEP 17 2001
Date of inspection	**Inspector**	
Remarks		
		OBS.ES1

0506 (07/00) Front Form 9

2 - MINISTRY OF THE ENVIRONMENT COPY

Ontario Ministry of the Environment

Well Tag Number (Place sticker and print number below): A041927

A041927

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Help Desk (Toll Free) at 1-888-396-9355.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

[redacted]

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
Ottawa CArleton	Nepean	11	3
RR#/Street Number/Name	**City/Town/Village**	**Site/Compartment/Block/Tract etc.**	
3508 Greenbank Road	Nepean		
GPS Reading NAD: 83 Zone: 18 Easting: 441741 Northing: 5011331	**Unit Make/Model** Garmin	**Mode of Operation:** ☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify	

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (Metres)
Brown	hardpan	boulders	packed	0	3.65
grey	hardpan		packed	3.65	12.19
grey	sand & gravel			12.19	13.71
grey	limestone	dark layers	mud	13.71	52.72

Hole Diameter

Depth From	Depth To (Metres)	Diameter (Centimetres)
0	16.45	22.75
16.45	52.72	15.23

Water Record

Water found at ___ Metres / Kind of Water

51.50 ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other: NOT TESTED

___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

After test of well yield, water was
☒ Clear and sediment free
☐ Other, specify

Chlorinated ☒ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
Casing				
15.86	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	.48	+.60	16.45
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
No Casing or Screen				
15.23	☒ Open hole		16.45	52.72

Test of Well Yield

Pumping test method: Submersible

Pump intake set at (metres): 30.47

Pumping rate (litres/min): 54.6

Duration of pumping: 2 hrs + 30 min

Final water level end of pumping: 12.98 metres

Recommended pump type: ☐ Shallow ☒ Deep

Recommended pump depth: 22.85 metres

Recommended pump rate: 45.5 (litres/min)

If flowing give rate - (litres/min):

If pumping discontinued, give reason.

	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Static Level	5.57			
1	7.37	1	10.34	
2	8.52	2	8.98	
3	9.21	3	8.27	
4	9.46	4	8.04	
5	9.86	5	7.75	
10	10.88	10	7.08	
15	11.22	15	6.90	
20	11.50	20	6.74	
25	11.83	25	6.65	
30	12.06	30	6.51	
40	12.29	40	6.45	
50	12.46	50	6.43	
60	12.56	60	6.42	

Plugging and Sealing Record

☒ Annular space ☐ Abandonment

Depth set at - From	Depth set at - To (Metres)	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
16.45	0	Grouted bentonite Slurry	.92m3

Method of Construction

☐ Cable Tool ☒ Rotary (~~air~~) MUD ☐ Diamond ☐ Digging
☐ Rotary (conventional) ☐ Air percussion ☐ Jetting ☐ Other
☐ Rotary (reverse) ☐ Boring ☐ Driving

Water Use

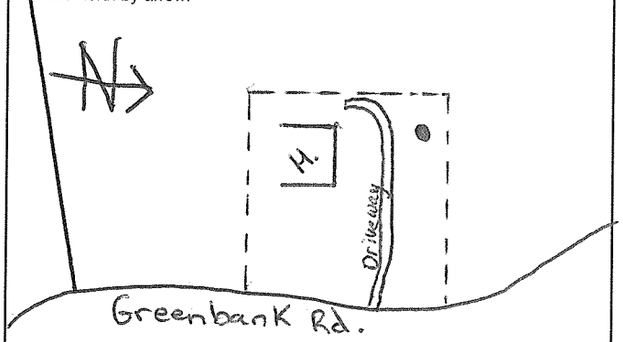
☒ Domestic ☐ Industrial ☐ Public Supply ☐ Other
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☐ Municipal ☐ Cooling & air conditioning

Final Status of Well

☒ Water Supply ☐ Recharge well ☐ Unfinished ☐ Abandoned, (Other)
☐ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering
☐ Test Hole ☐ Abandoned, poor quality ☐ Replacement well

Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.



Audit No. Z 58658

Date Well Completed: YYYY 2007 MM 5 DD 29

Was the well owner's information package delivered? ☒ Yes ☐ No

Date Delivered: YYYY 2007 MM 5 DD 30

Well Contractor/Technician Information

Name of Well Contractor: Capital Water Supply Ltd.

Well Contractor's Licence No.: 1558

Business Address (street name, number, city etc.): Box 490 Stittsville Ontario K2S 1A6

Name of Well Technician (last name, first name): Miller Stephen

Well Technician's Licence No.: T0097

Signature of Technician/Contractor: X [signature]

Date Submitted: YYYY 2007 MM 5 DD 31

Ministry Use Only

Data Source: ___ Contractor: 1558

Date Received: YYYY JUL 23 2007 MM DD ___ Date of Inspection: YYYY ___ MM ___ DD ___

Remarks: ___ Well Record Number: ___

0506E (08/2006)

Ministry's Copy

Cette formule est disponible en français

Ontario Ministry of the Environment

Well Tag No. *(Place Sticker and/or Print Below)* A041927

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

Well Owner's Information

First Name	Last Name	E-mail Address	☐ Well Constructed by Well Owner
Mattamy Homes			

Mailing Address (Street Number/Name, RR)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
123 HUntmar Road	Ottawa	Ontario	K 2 S 1b (	6 1 3 8 3 1 4 1 15

Part A Construction and/or Major Alteration of a Well

Address of Well Location (Street Number/Name, RR)	Township	Lot	Concession
Half Moon Bay	Nepean	11	3

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Barrhaven	Ontario	

UTM Coordinates	Zone	Easting	Northing	GPS Unit Make	Model	Mode of Operation
NAD 8 3	18	4 4 17 1 4	5 0 1 1 3 41		Garmin	☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify

Overburden and Bedrock Materials *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From	Depth (Metres) To
	Well was drilled May 2007 [redacted]				

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	To	Type of Sealant Used *(Material and Type)*	Volume Placed *(Cubic Metres)*
51.5	6.09	Grouted - 3/4 inch Hole Plug (42 bags)	
6.09	0	Casing now above grade and was cut off	

Method of Construction

☐ Cable Tool ☐ Diamond ☐ Rotary (Conventional) ☐ Jetting ☐ Rotary (Reverse) ☐ Driving ☐ Rotary (Air) ☐ Digging ☐ Air percussion ☐ Boring ☐ Other, *specify* _____

Water Use

☐ Public ☐ Commercial ☐ Not used ☐ Domestic ☐ Municipal ☐ Dewatering ☐ Livestock ☐ Test Hole ☐ Monitoring ☐ Irrigation ☐ Cooling & Air Conditioning ☐ Industrial ☐ Other, *specify* _____

Status of Well

☐ Water Supply ☐ Dewatering Well ☐ Observation and/or Monitoring Hole ☐ Replacement Well ☐ Abandoned, Insufficient Supply ☐ Alteration (Construction) ☐ Test Hole ☐ Abandoned, Poor Water Quality ☐ Other, *specify* _____ ☐ Recharge Well ☒ Abandoned, other, *specify* _____

Location of Well

Please provide a map below showing:
- all property boundaries, and measurements sufficient to locate the well in relation to fixed points,
- an arrow indicating the North direction
- detailed drawings can be provided as attachments no larger than legal size (8.5" by 14")
- vidigital pictures of inside of well can also be provided

Date Well Completed *(yyyy/mm/dd)*	Was the well owner's information package delivered?	Date the Well Record and Package Delivered to Well Owner *(yyyy/mm/dd)*
	☐ Yes ☒ No	2008/6/6

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1 5 5 8

Business Address (Street No./Name, number, RR)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K 2S 1 A 6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
6 1 3 8 3 6 17 66	Miller; Stephen

Well Technician's Licence No.	Signature of Technician	Date Submitted *(yyyy/mm/dd)*
0 0 9 7		2008/6/11

Results of Well Yield Testing

Check box if after test of well yield, water was:
☐ Clear and sand free
☐ Cannot develop to sand-free state

If pumping discontinued, give reason:

Pumping test method

Pump intake set at *(Metres)*

Pumping rate *(Litres/min)*

Duration of pumping ____ hrs + ____ min

Final water level end of pumping *(Metres)*

Recommended pump type ☐ Shallow ☐ Deep

Recommended pump depth _____ Metres

Recommended pump rate *(Litres/min)*

If flowing give rate *(Litres/min)*

Draw Down Time *(Min)*	Draw Down Water Level *(Metres)*	Recovery Time *(Min)*	Recovery Water Level *(Metres)*
Static Level		Static Level	
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Water Details

Water found at Depth	Kind of Water
Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
Water found at Depth	Kind of Water
Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
Water found at Depth	Kind of Water
Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals

Casing Used	Screen Used
☐ Galvanized ☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete	☐ Galvanized ☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete

No Casing and Screen Used

☐ Open Hole

Disinfected? ☒ Yes ☐ No

Casing and Well Details

Diameter of the Hole *(Centimetres)*

Depth of the Hole *(Metres)*

Wall Thickness *(Metres)*

Inside Diameter of the Casing *(Metres)*

Depth of the Casing *(Metres)*

Ministry Use Only

Audit No.	Well Contractor No.
z 77375	
Date Received *(yyyy/mm/dd)* OCT 14 2008	Date of Inspection *(yyyy/mm/dd)*
Remarks	

0506E (11/2006) **Ministry's Copy**

Ontario Ministry of the Environment

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

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

Well Owner's Information

First Name	Last Name	E-mail Address	☐ Well Constructed by Well Owner
Mattamy Homes			

Mailing Address (Street Number/Name, RR)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
123 Huntmar Road	Ottawa	Ontario	K 2 S 1 B9	6 1 3 83 1 4 1 1 5

Part A Construction and/or Major Alteration of a Well

Address of Well Location (Street Number/Name, RR)	Township	Lot	Concession
Half Moon Bay	Nepean	11	3

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Barrhaven	Ontario	

UTM Coordinates	Zone	Easting	Northing	GPS Unit Make	Model	Mode of Operation
NAD 8 3	1 8	44 1 6 6 0 5	0 1 13 5 6		Garmin	☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify

Overburden and Bedrock Materials *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From	To

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	To	Type of Sealant Used (Material and Type)	Volume Placed (Cubic Metres)
18.28	0	Grouted - Bentonite Hole Plug 3/4 inch (12 bags)	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Rotary (Air) ☐ Digging
☐ Air percussion ☐ Boring
☐ Other, *specify* _____

Water Use

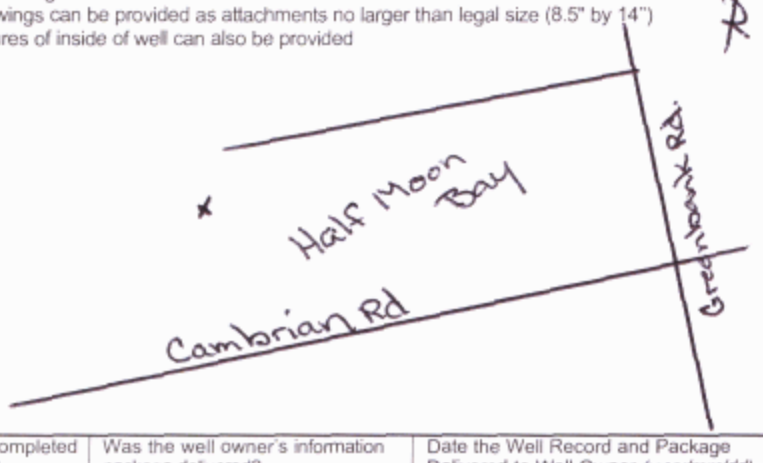
☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Status of Well

☐ Water Supply ☐ Dewatering Well ☐ Observation and/or Monitoring Hole
☐ Replacement Well ☐ Abandoned, Insufficient Supply ☐ Alteration (Construction)
☐ Test Hole ☐ Abandoned, Poor Water Quality ☐ Other, *specify* _____
☐ Recharge Well ☒ Abandoned, other, *specify* _____

Location of Well

Please provide a map below showing:
- all property boundaries, and measurements sufficient to locate the well in relation to fixed points,
- an arrow indicating the North direction
- detailed drawings can be provided as attachments no larger than legal size (8.5" by 14")
- vidigital pictures of inside of well can also be provided



Date Well Completed *(yyyy/mm/dd)*	Was the well owner's information package delivered?	Date the Well Record and Package Delivered to Well Owner *(yyyy/mm/dd)*
	☐ Yes ☒ No	2008/6/5

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1 5 5 8

Business Address (Street No./Name, number, RR)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K2 S 1 A 6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
6 1 38 3 6 1 7 6 6	Miller Stephen

Well Technician's Licence No.	Signature of Technician	Date Submitted *(yyyy/mm/dd)*
0 0 9 7		2008/6/11

Results of Well Yield Testing

Check box if after test of well yield, water was:
☐ Clear and sand free
☐ Cannot develop to sand-free state

If pumping discontinued, give reason:

Pumping test method

Pump intake set at *(Metres)*

Pumping rate *(Litres/min)*

Duration of pumping ____ hrs + ____ min

Final water level end of pumping *(Metres)*

Recommended pump type ☐ Shallow ☐ Deep

Recommended pump depth ____ Metres

Recommended pump rate *(Litres/min)*

If flowing give rate *(Litres/min)*

Draw Down Time *(Min)*	Draw Down Water Level *(Metres)*	Recovery Time *(Min)*	Recovery Water Level *(Metres)*
Static Level		Static Level	
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Water Details

Water found at Depth	Kind of Water
Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
Water found at Depth	Kind of Water
Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
Water found at Depth	Kind of Water
Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals

Casing Used

☐ Galvanized ☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete

Screen Used

☐ Galvanized ☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete

No Casing and Screen Used

☐ Open Hole

Disinfected? ☒ Yes ☐ No

Casing and Well Details

Diameter of the Hole *(Centimetres)*

Depth of the Hole *(Metres)*

Wall Thickness *(Metres)*

Inside Diameter of the Casing *(Metres)*

Depth of the Casing *(Metres)*

Ministry Use Only

Audit No.	Well Contractor No.
z 77374	
Date Received *(yyyy/mm/dd)* OCT 14 2008	Date of Inspection *(yyyy/mm/dd)*
Remarks	

0506E (11/2006)

Ministry's Copy

Ontario — Ministry of the Environment

Well Tag No. (or Print Below): **A 096525**

Master Well Record for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

Page 1 of 2

[redacted]

Address of Well Location (Street Number/Name, RR)	Township	Lot	Concession
3392 Jockvale Road	Nepean	12	2

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	GPS Unit Make	Model	Mode of Operation
NAD 83	18	442027	5012002	Garmin	Etrex	☐ Undifferentiated ☑ Averaged ☐ Differentiated, specify

Overburden and Bedrock Materials *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From	Depth (Metres) To
Brown	Sand		Topsoil	0	0.61
Grey	silty Sand	clumps	damp	0.61	1.22
Brown	Sand	gravel	damp	1.22	3.66
Brown	Silty Sand	gravel	very moist	3.66	4.27
Grey	Sand	silt	very wet	4.27	5.49
Grey	Silt		very wet	5.49	6.1

Hole Details

Depth (Metres) From	Depth (Metres) To	Diameter (Centimetres)
0	6.1	20

Water Use

☐ Public ☐ Industrial ☐ Not used ☐ Other, *specify*
☐ Domestic ☐ Commercial ☐ Dewatering
☐ Livestock ☐ Municipal ☑ Monitoring
☐ Irrigation ☐ Test Hole ☐ Cooling & Air Conditioning

Method of Construction

☐ Cable Tool ☐ Air Percussion ☐ Digging
☐ Rotary (Conventional) ☐ Diamond ☐ Boring
☐ Rotary (Reverse) ☐ Jetting ☑ Other, *specify* HSA
☐ Rotary (Air) ☐ Driving

Status of Well

☑ Test Hole ☐ Abandoned, Insufficient Supply
☐ Replacement Well ☐ Abandoned, Poor Water Quality
☐ Dewatering Well ☐ Other, *specify*
☐ Alteration (Construction) ☐ Abandoned, other, *specify*

Construction Details

Inside Diameter (Centimetres)	Material (steel, plastic, fibreglass, concrete, galvanized)	Wall Thickness	Depth (Metres) From	Depth (Metres) To
5.1	PVC	sched 40	0	3.1

No Casing and Screen Used

Open Hole ☐ Yes ☑ No

Static Water Level Test

[ ][ ] Metres

Screen

☐ Galvanized ☐ Steel ☐ Fibreglass ☐ Concrete ☑ Plastic

Outside Diameter (Centimetres)	Slot No.
5.8	10

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	Depth Set at (Metres) To	Type of Sealant Used (Material and Type)	Volume Used (Cubic Metres)
0	0.3	Bentonite	0.01

Water Details

Water found at Depth	Kind of Water
[ ][ ] Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
[ ][ ] Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
[ ][ ] Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals

Disinfected	Date Master Well Completed (yyyy/mm/dd)
☐ Yes ☑ No If no, provide reason: Monitoring Well	2010/08/13

Cluster Information *(Please also fill out the additional Cluster Well Information for Well Construction for each parcel of land and cluster.)*

Total Wells in Cluster	Please indicate Number of Cluster Well Information Log Sheets Submitted
8	1
Total Wells on this Property: Unknown	

Location of Well Cluster

Detailed Map must be provided as an attachment no larger than legal size (8.5" x 14"). Sketches are not allowed.

☑ Check box to confirm detailed map is provided as per Section 11.1 (3)

Consent to release additional information concerning the cluster to

[redacted]

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
George Downing Estate Drilling	1944

Business Address (Street No./Name, number, RR)	Municipality
410 Rue Principale,	Grenville sur la Rouge

Province	Postal Code	Business E-mail Address
QC	J0V1B0	downing@hawk.igs.net

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
8192426469	Downing, Bruce

Well Technician's Licence No.	Signature of Technician	Date Submitted (yyyy/mm/dd)
2173	Bruce Downing	2010/09/21

Ministry Use Only

Audit No.	Well Contractor No.
M 06774	
Date Received (yyyy/mm/dd) OCT 08 2010	Date of Inspection (yyyy/mm/dd)
Remarks	

1992 (11/2006)

Ministry's Copy

Ontario Ministry of the Environment

Well A 096525 (Well Tag No.)

Cluster Well Information for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

[redacted]

Address of Well Location (Street Number/Name, RR)	Lot	Concession	Township	County/District/Municipality
3392 Jockvale Road				

City/Town/Village	Province	Postal Code	GPS Unit Make	Model	Unit Mode of Operation	Signature of Technician/Contractor	Date (yyyy/mm/dd)
Ottawa	Ontario		Garmin	Etrex	☐ Undifferentiated ☑ Averaged ☐ Differentiated, specify:	upon request	2010/09/21

Well # on Sketch	UTM Coordinates Zone Easting Northing	Full Depth of Hole (metres)	Hole Diameter (cm)	Method of Construction	Casing Material	Casing Length (metres)	Screen Interval (metres) From	Screen Interval (metres) To	Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of Completion (yyyy/mm/dd)
2	18 442403 5012344	4.8	20	HSA	PVC	1.8	1.8	4.8	Bentonite				2010/08/12
3	18 442316 5012083	6.7				3.1	3.1	6.1					2010/08/12
4	18 442343 5012085	5.4				2.4	2.4	5.4					2010/08/12
5	18 442341 5012052	6.7				3.1	3.1	6.1					2010/08/13
7	18 442330 5012300	5.4				1.83	1.83	5.49					2010/08/13
8	18 442276 5012274	5.7				2.6	2.6	5.6					2010/08/13
9	18 442296 5012279	5.4				3	3	5.4					2010/08/16

Well Contractor and Well Technician Information

Business Name of Well Contractor	Business Address (Street Number/Name, RR)	Municipality	Province
George Downing Estate Drilling	410 Rue Principale, Grenville sur la Rouge		QC

Postal Code	Business Telephone No. (inc. area code)	Well Contractor's Licence No.	Business E-mail Address
J0V1B0	8199242646	1844	downing@hawk.igs.net

Name of Well Technician (First Name, Last Name)	Well Technician's Licence No.	Date Submitted (yyyy/mm/dd)	Signature of Technician
Bruce Downing	2173	2010/09/21	Bruce Downing

Date 1st Well in Cluster Constructed (yyyy/mm/dd)	Date Last Well in Cluster Constructed (yyyy/mm/dd)
2010/08/12	2010/08/16

Ministry Use Only

Date Received (yyyy/mm/dd)	Date Inspected (yyyy/mm/dd)
OCT 08 2010	
Audit No. c 08023	Remarks mdm4

1991 (11/2006)

Ministry's Copy

P:\PROJECTS IN PROGRESS\1 ENVIRONMENTAL\2010\TZ101013 - CITY JOCKVALE NURSERY\DRAWINGS\PHASE II FIGURES - TZ101013.DWG

LEGEND

- SITE BOUNDARY
- SENSITIVE SITE AREA DUE TO PROXIMITY TO RIVER
- INDOOR AIR (NOT VISIBLE ON AIR PHOTO
- MW-3 MONITORING WELL
- BH-1 BOREHOLE

N

0 3 6 12 24

METRES

amec

TITLE:

BOREHOLE AND MONITORING WELL LOCATION PLAN

GAMBLE'S NURSERY
3392-3394 Jockvale Road
Ottawa, Ontario

CLIENT

CITY OF OTTAWA

Realty Services Branch
110 Laurier Avenue West, 5th Floor
Ottawa, Ontario
K1P 1J1

DRAWN BY:	JFT
CHECKED BY:	KDH
DATE:	SEPTEMBER 2010
PROJECT NO:	TZ101013
SCALE:	1 : 1,000
FIGURE NO:	4

C-1874 MW4-24 C8023

OCT 08 2010

Ontario Ministry of the Environment

Well Tag No. (i) A 093663

A093663

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: ☐ Metric ☒ Imperial

Page of

[redacted]

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
3426 Greenbank Rd	Nepean	P/L 12	3RF

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa-Carleton	Nepean	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	441897	5011953		

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
	Sand	and	Boulders	0	33
Grey	Limestone			33	200
Grey & White	Sandstone			200	220
	Well #1				

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	28	Bentonite slurry	12.6
28	38	Neat cement	9.36

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☒ Air percussion
☐ Other, specify

Well Use

☐ Public ☐ Commercial ☐ Not used
☒ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, specify

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
6 "	Steel	.188 "	+2 '	38 '
6 "	Open Hole		38 '	220 '

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To

Status of Well

☒ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, specify
☐ Other, specify

Water Details

Water found at Depth	Kind of Water	
135 (m/ft) ☐ Gas	☐ Fresh ☒ Untested ☐ Other, specify	
210 (m/ft) ☐ Gas	☐ Fresh ☒ Untested ☐ Other, specify	
(m/ft) ☐ Gas	☐ Fresh ☐ Untested ☐ Other, specify	

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0	220	6

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, specify **Not tested**

If pumping discontinued, give reason: X

Pump intake set at (m/ft): 200 '

Pumping rate (l/min / GPM): 20

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping (m/ft): 44.9

If flowing give rate (l/min / GPM): X

Recommended pump depth (m/ft): 100 '

Recommended pump rate (l/min / GPM): 20

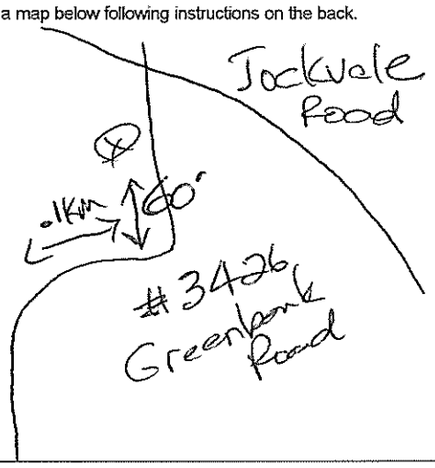
Well production (l/min / GPM): 20

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	18.4		44.9
1	26.5	1	28.4
2	30.6	2	23
3	33.4	3	20.4
4	35.1	4	18.9
5	36.5	5	18.4
10	39.9	10	18.4
15	41.1	15	18.4
20	42.3	20	18.4
25	43.5	25	18.4
30	44	30	18.4
40	44.3	40	18.4
50	44.7	50	18.4
60	44.9	60	18.4

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Air Rock Drilling Co. Ltd.	1119

Business Address (Street Number/Name)	Municipality
6659 Franktown Road, RR#1	Richmond

Province	Postal Code	Business E-mail Address
ON	K0A 2Z0	air-rock@sympatico.ca

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
6138382170	Hogan, Dan

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
T3058		2010 11 29

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☒ Yes ☐ No	2010 11 03	2010 11 01

Ministry Use Only

Audit No. Z110802

Received DEC 29 2010

Ministry's Copy

Ontario — Ministry of the Environment

Well Tag No. **A 093662**
A093362

Well Record
Regulation 903 Ontario Water Resources Act

Measurements recorded in: ☐ Metric ☒ Imperial — Page ___ of ___

[redacted]

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
3426 Greenbank Rd	Nepean	P/L 12	3RF

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa-Carleton	Nepean	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	441909	5011981		

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
	Sand		Boulders	0	33
Grey	Limestone			33	205
Grey & White	Sandstone			205	220
	Well #2				

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	28	Bentonite slurry	32.6
28	38	Neat cement	9.36

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☒ Air percussion
☐ Other, specify ___

Well Use

☐ Public ☐ Commercial ☐ Not used
☒ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, specify ___

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To
6	Steel	.188	+2	38
6 3/8	OPEN HOLE		38	220

Status of Well

☒ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, specify
☐ Other, specify

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	To

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water	Other, specify
140	☐	☐ Fresh ☒ Untested	
185	☐	☐ Fresh ☒ Untested	
210	☐	☐ Fresh ☐ Untested	

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	38	6
38	220	638

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, specify **Not tested**

If pumping discontinued, give reason: X

Pump intake set at (m/ft): 200

Pumping rate (l/min / GPM): 20

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping (m/ft): 16.9

If flowing give rate (l/min / GPM): 2

Recommended pump depth (m/ft): 100

Recommended pump rate (l/min / GPM): 20

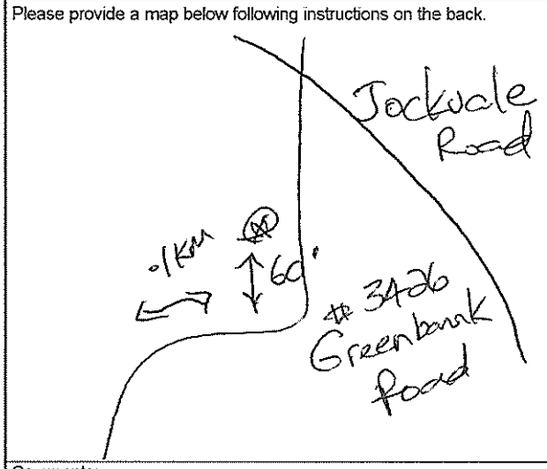
Well production (l/min / GPM): 20

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Water Level (m/ft)	Recovery Time (min)	Water Level (m/ft)
Static Level	16		16.9
1	16.7	1	16
2	16.7	2	16
3	16.7	3	16
4	16.7	4	16
5	16.8	5	16
10	16.8	10	16
15	16.8	15	16
20	16.8	20	16
25	16.8	25	16
30	16.9	30	16
40	16.9	40	16
50	16.9	50	16
60	16.9	60	16

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Air Rock Drilling Co. Ltd.	1119

Business Address (Street Number/Name)	Municipality
6659 Franktown Road, RR#1	Richmond

Province	Postal Code	Business E-mail Address
ON	K0A 2Z0	air-rock@sympatico.ca

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
6138382170	Hogan, Dan

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted (Y Y Y Y M M D D)
T3058		2010 11 29

Well owner's information package delivered: ☒ Yes ☐ No

Date Package Delivered: 2010 11 03

Date Work Completed: 2010 11 03

Ministry Use Only
Audit No. Z 110804
DEC 29 2010
Received

Ontario — Ministry of the Environment

Measurements recorded in: [X] Metric [ ] Imperial

Well Tag No. *(Place Sticker and/or Print Below)* **A116134**

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
3380 Greenbank rd			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Nepean	Ontario	K2J 4H7

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	441914	5012119		

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
.05	1.3m	Bentonite	.25 m³

Method of Construction

[ ] Cable Tool [ ] Diamond [ ] Rotary (Conventional) [ ] Jetting [ ] Rotary (Reverse) [ ] Driving [ ] Boring [ ] Digging [ ] Air percussion [ ] Other, specify

Well Use

[ ] Public [ ] Commercial [ ] Not used [X] Domestic [ ] Municipal [ ] Dewatering [ ] Livestock [ ] Test Hole [ ] Monitoring [ ] Irrigation [ ] Cooling & Air Conditioning [ ] Industrial [ ] Other, specify

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
15.86	steel	.48	+ .5m	1.3m
10.0	steel	.48	1.3m	unkown

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To

Status of Well

[ ] Water Supply
[ ] Replacement Well
[ ] Test Hole
[ ] Recharge Well
[ ] Dewatering Well
[ ] Observation and/or Monitoring Hole
[X] Alteration (Construction)
[ ] Abandoned, Insufficient Supply
[ ] Abandoned, Poor Water Quality
[ ] Abandoned, other, specify
[ ] Other, specify

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water: Fresh	Untested	Other, specify

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)

Results of Well Yield Testing

After test of well yield, water was: [ ] Clear and sand free [ ] Other, specify

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

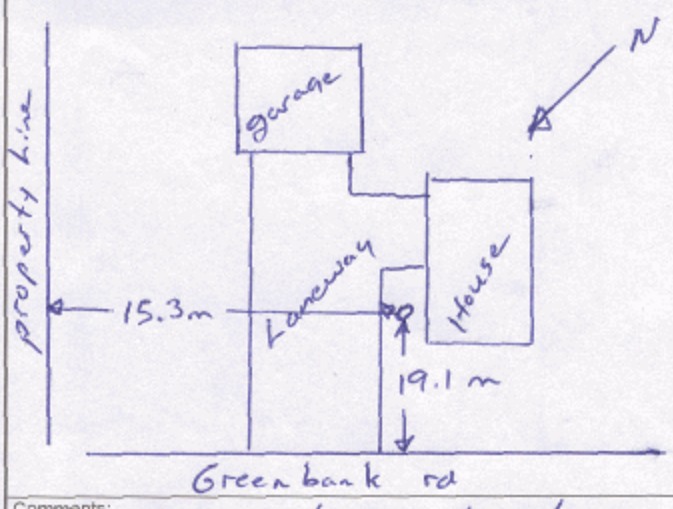
Well production (l/min / GPM)

Disinfected? [X] Yes [ ] No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments: well extension to above ground

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
H.O. Wright & Sons Ltd	6357

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
Box 129 2383 Church St North	Gower	Ontario	K0A2T0	

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
6134893372	Wilson, Scott	1444	Scott Wilson	2011/06/28

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[ ] Yes [ ] No		2011/06/28

Ministry Use Only

Audit No. z131380

JUL 13 2011 Received

Ministry's Copy

Ontario — Ministry of the Environment

Well Record — *ion 903 Ontario Water Resources Act*

Well Tag No. *(Place Sticker and/or Print Below)*: A123394 **Tag#: A123394**

Measurements recorded in: [X] Metric [ ] Imperial

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	[ ] Well Constructed by Well Owner
	Mattamy Homes		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
123 Huntmar Road	Carp	Ontario	K0A 1L0	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Greenbank Road	Nepean	11/12	3

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Barrhaven	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	441854	5011722		

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Brown	Soil	Stones	Packed	0	3.65
Grey	Till		Packed	3.65	7.61
Grey	Sand & Gravel		Packed	7.61	10.66
Grey	Limestone			10.66	48.76
Grey & White	Sandstone		Hard	48.76	83.20

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
11.88	0	Grouted Bentonite Slurry	.45m^3

Method of Construction

[ ] Cable Tool [ ] Diamond
[X] Rotary (Conventional) [ ] Jetting — Mud
[ ] Rotary (Reverse) [ ] Driving
[ ] Boring [ ] Digging
[X] Air percussion
[ ] Other, *specify* _____

Well Use

[X] Public [ ] Commercial [ ] Not used
[X] Domestic [ ] Municipal [ ] Dewatering
[ ] Livestock [ ] Test Hole [ ] Monitoring
[ ] Irrigation [ ] Cooling & Air Conditioning
[ ] Industrial
[ ] Other, *specify* _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
15.86	Steel	.48	+.45	11.88

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To

Status of Well

[X] Water Supply
[ ] Replacement Well
[ ] Test Hole
[ ] Recharge Well
[ ] Dewatering Well
[ ] Observation and/or Monitoring Hole
[ ] Alteration (Construction)
[ ] Abandoned, Insufficient Supply
[ ] Abandoned, Poor Water Quality
[ ] Abandoned, other, *specify*
[ ] Other, *specify*

Water Details

Water found at Depth	Kind of Water	
79.24 (m/ft)	[ ] Fresh [X] Untested	[ ] Gas [ ] Other, *specify*
(m/ft)	[ ] Fresh [ ] Untested	[ ] Gas [ ] Other, *specify*
(m/ft)	[ ] Fresh [ ] Untested	[ ] Gas [ ] Other, *specify*

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	11.88	15.86
11.88	83.20	15.23

Results of Well Yield Testing

After test of well yield, water was:
[X] Clear and sand free
[ ] Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at (m/ft): 30.47

Pumping rate (l/min / GPM): 54.6

Duration of pumping: 1 hrs + _____ min

Final water level end of pumping (m/ft): 12.82

If flowing give rate (l/min / GPM):

Recommended pump depth (m/ft): 30.47

Recommended pump rate (l/min / GPM): 45.5

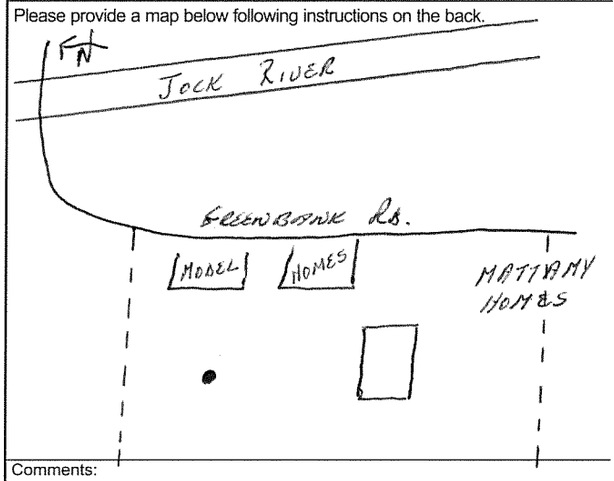
Well production (l/min / GPM):

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	4.20		
1	6.30	1	10.13
2	7.15	2	8.46
3	8.00	3	6.66
4	8.50	4	5.50
5	9.30	5	4.60
10		10	4.24
15		15	
20	12.20	20	
25	12.44	25	
30	12.48	30	
40	12.60	40	
50	12.73	50	
60	12.82	60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality
Box 490	Stittsville

Province	Postal Code	Business E-mail Address
Ontario	K2S 1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
613 836 1766	Miller, Stephen

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0097		2012091 1

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[X] Yes [ ] No	20120910	20120910

Ministry Use Only

Audit No. Z139833

Received 2 8 2013

Ministry's Copy

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: [X] Metric [ ] Imperial

Well Tag No. *(Place Sticker and/or Print Below)* A-166318

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	[ ] Well Constructed by Well Owner
	TALBOT CONSTRUCTION LIMITED		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
3187 ALBION ROAD	OTTAWA	ON	K1V6K5	(613) 521-3220

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
3401 GREENBANK ROAD	NEPEAN (CF)	13	2

County/District/Municipality	City/Town/Village	Province	Postal Code
OTTAWA/CARLETON	NEPEAN (OTTAWA)	Ontario	

UTM Coordinates NAD 83	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
	18	444983	5012061		

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
	SAND/FILL			0.00	1.00
GREY	TILL	BOULDERS	DENSE.	1.00	7.00
GREY	SILTY SAND			7.00	9.5
4	SAND/GRAVEL		COARSE	9.5	11.00.

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0.00	6.00	HOLEPLUG-BENTONITE CHIPS	0.4

Method of Construction

[X] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[ ] Rotary (Reverse) [ ] Driving
[ ] Boring [ ] Digging
[ ] Air percussion
[ ] Other, *specify*

Well Use

[ ] Public [ ] Commercial [ ] Not used
[ ] Domestic [ ] Municipal [ ] Dewatering
[ ] Livestock [X] Test Hole [ ] Monitoring
[ ] Irrigation [ ] Cooling & Air Conditioning
[ ] Industrial
[ ] Other, *specify*

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
	STEEL	0.	+0.21	8.04
	NSSF			

Status of Well

[ ] Water Supply
[ ] Replacement Well
[X] Test Hole
[ ] Recharge Well
[ ] Dewatering Well
[ ] Observation and/or Monitoring Hole
[ ] Alteration (Construction)
[X] Abandoned, Insufficient Supply
[ ] Abandoned, Poor Water Quality
[ ] Abandoned, other, *specify*
[ ] Other, *specify*

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
	STAINLESS (TELESCOPE)	#25	8.04	9.26

Water Details

N/A.

Water found at Depth (m/ft)	Gas	Kind of Water: [ ] Fresh [ ] Untested [ ] Other, *specify*
	[ ]	
	[ ]	
	[ ]	

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0.00	6.00	22.86
6.00	8.04	15.24
8.04	9.26	12.7

Results of Well Yield Testing

N/A.

After test of well yield, water was:
[ ] Clear and sand free
[ ] Other, *specify*

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min / GPM)*

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

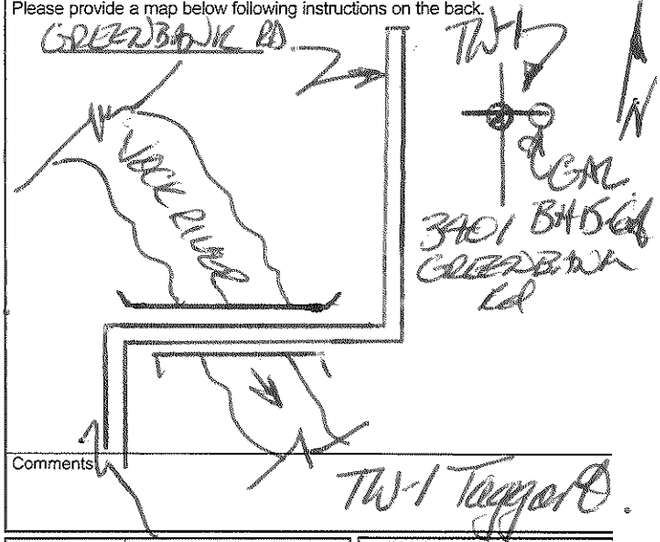
Well production *(l/min / GPM)*

Disinfected? [ ] Yes [ ] No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level		4.00		
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
STRATUS DRILLING INC	4875

Business Address (Street Number/Name)	Municipality
157 HUEARCHES DRIVE	ARNPRIOR

Province	Postal Code	Business E-mail Address
ON	K0A2A0	Stratusdrilling@bellnet

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
(613) 623-6606	STRATUS, PETER

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0086		2016/12/20

Well owner's information package delivered: [ ] Yes [X] No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2016/12/20

Ministry Use Only

Audit No. Z220194

Received JAN 10 2017

Ministry's Copy

Ontario

Ministry of the Environment and Climate Change

Measurements recorded in: ☒ Metric ☐ Imperial

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

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
Claridge Homes			

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
c/o P.O. Box 296	Osgoode	Ontario	K0A 2W0	6138222599

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
3370 Greenbank Road	Nepean		

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Nepean	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	441707	5012160		

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used *(Material and Type)*	Volume Placed *(m³/ft³)*
13.71	0	Grouted 3/4 Bentonite Hole Plug (7 bags)	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter *(cm/in)*	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness *(cm/in)*	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen

Outside Diameter *(cm/in)*	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To

Status of Well

☐ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☒ Abandoned, other, *specify* _____
☐ Other, *specify* _____

Water Details

Water found at Depth (m/ft)	Kind of Water	
	☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify*
	☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify*
	☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter *(cm/in)*

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min / GPM)*

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

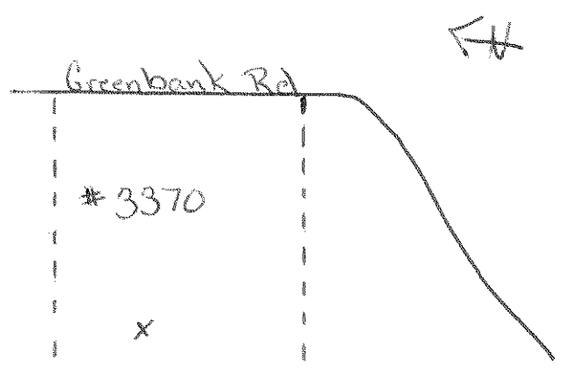
Well production *(l/min / GPM)*

Disinfected? ☒ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
P.O. Box 490	Stittsville	Ontario	K2S1A6	office@capitalwater.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
613 836 1766	Miller, Stephen	0097		2016/12/20

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☒ No		2016/12/20

Ministry Use Only

Audit No. Z226860

MAY 25 2017

Received

0506E (2014/11)

Ministry's Copy

Ontario — Ministry of the Environment and Climate Change

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

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: ☐ Metric ☐ Imperial

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
Mattamy	Homes		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
50 Heinz Road, Suite 100	Kanata	ON	K2K2M5	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
3454 Greenbank Road	Nepean	11&12	3

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	(Barrhaven) Nepean	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	441854	5011722		

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
	Abandonement of Previously Drilled Well				
	Audit No Z139833				
	Tag # A123394				

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
267'	Ø	Bentonite Chips	45.54

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To

Status of Well

☐ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, *specify*
☒ Other, *specify* wrong location

Water Details

Water found at Depth (m/ft)	Kind of Water	
	☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify*
	☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify*
	☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min / GPM)*

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

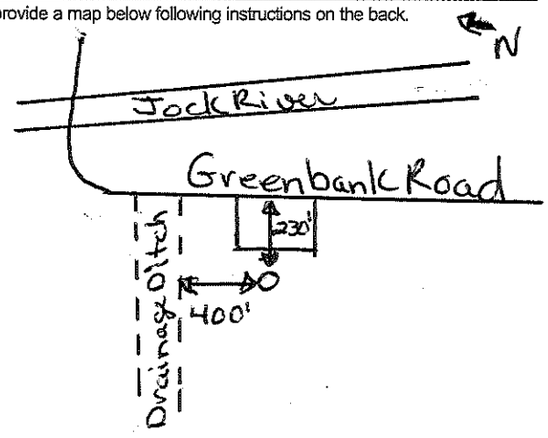
Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
1426486 Ontario ltd o/a Splash Well Drilling	4877

Business Address (Street Number/Name)	Municipality
PO BOX 1083	Prescott

Province	Postal Code	Business E-mail Address
ON	K0E 1T0	

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
6139254885	Ferguson, Johnathon

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
2959		20170616

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☒ Yes ☐ No	20170610	20170525

Ministry Use Only

Audit No. Z242980

JUN 07 2017

Received

Ministry's Copy

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☐ Metric ☒ Imperial

Well Tag No. *(Place Sticker and/or Print Below)*: Tag#: A 218025

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☒ Well Constructed by Well Owner
Mattamy Homes			

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
50 Heinz Road, Suite 100	Kanata	ON	K2K2M5	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
154 Greenbank Road	Nepean	11+12	3

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	(Barrhaven) Nepean	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 8 3	18	446060	5011728		

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Brown	Topsoil	Clay	Packed	Ø	10'
Grey	Till		Packed	10'	35'6"
Grey	Limestone		Hard	35'6"	141'

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used *(Material and Type)*	Volume Placed (m^3/ft^3)
38'6"	28'6"	Cement Pressure Grouted	6.77
28'6"	Ø	Bentonite Pressure Grouted	20.31

Method of Construction

☐ Cable Tool ☐ Diamond
☒ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☒ Air percussion
☐ Other, *specify* ____

Well Use

☐ Public ☐ Commercial ☐ Not used
☒ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* ____

Construction Record - Casing

Inside Diameter *(cm/in)*	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness *(cm/in)*	Depth (m/ft) From	Depth (m/ft) To
9 7/8"	Open Hole		Ø	38'6"
6 1/4"	Steel	.188	Ø	38'6"
6 1/8"	Open Hole		38'6"	141'

Construction Record - Screen

Outside Diameter *(cm/in)*	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To

Status of Well

☒ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, *specify*
☐ Other, *specify*

Water Details

Water found at Depth (m/ft)	Kind of Water	Gas	Other, specify
110'	☐ Fresh ☒ Untested	☐	
	☐ Fresh ☐ Untested	☐	
	☐ Fresh ☐ Untested	☐	

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter *(cm/in)*
Ø	38'6"	9 7/8"
38'6"	141'	6 1/8"

Results of Well Yield Testing

After test of well yield, water was:
☒ Clear and sand free
☐ Other, *specify* ____

If pumping discontinued, give reason:

Pump intake set at (m/ft): 130'

Pumping rate (l/min / GPM): 10gpm

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping (m/ft): 108.4

If flowing give rate (l/min / GPM):

Recommended pump depth (m/ft): 130'

Recommended pump rate (l/min / GPM): 10gpm

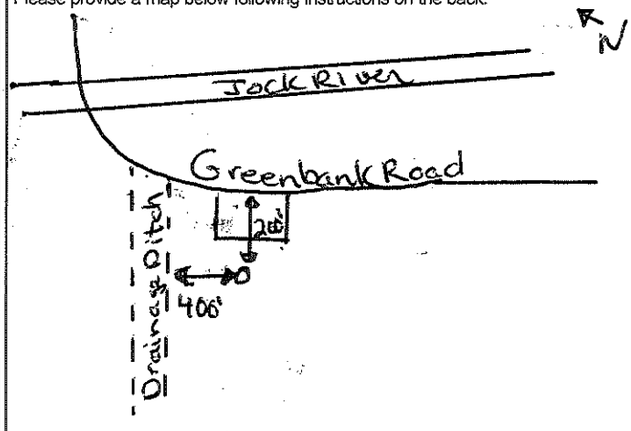
Well production (l/min / GPM):

Disinfected? ☒ Yes ☐ No 145

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	12.9		108.4
1	20.8	1	97
2	25.9	2	90.9
3	28.9	3	84.7
4	31.6	4	78.5
5	33.9	5	72.6
10	41.7	10	42.5
15	48.8	15	24
20	56.8	20	17.7
25	64.3	25	15.6
30	71.1	30	14.8
40	84.2	40	14.1
50	96.7	50	13.8
60	108.4	60	13.6

Map of Well Location

Please provide a map below following instructions on the back.



Comments: 145 Chlorine after Drilling
Ø chlorine after Yield Test

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
1425486 Ontario Ltd o/a Splash Well Drilling	4879

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
PO Box 1083	Prescott	ON	K0E 1T0	

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
6139254885	Ferguson, Johnathon	2859		2017/05/31

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☒ Yes ☐ No	2017/05/25	2017/05/17

Ministry Use Only

Audit No. Z242975

JUN 07 2017

Received

Ministry's Copy

Ontario

Ministry of the Environment and Climate Change

Well Tag No. *(Place Sticker and/or Print Below)* A-166318

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

Measurements recorded in: [X] Metric [ ] Imperial

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	[ ] Well Constructed by Well Owner
	THURSTON CONSTRUCTION (1981) LTD		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
316 CARLTON ROAD	OTTAWA	ON	K1S 0B2	(613) 722-2220

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
3461 GREENBANK	NEPEAN (RP)	13	2

County/District/Municipality	City/Town/Village	Province	Postal Code
OTTAWA	OTTAWA (GREENBANK)	Ontario	

UTM Coordinates NAD 83	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
	18	441963	5014261		

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
	WELL ABANDONED JUNE 30, 2017			0.00	9.76

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0.00	9.76	HYDRATED BENTONITE CHIPS	.2

Method of Construction

[ ] Cable Tool [ ] Diamond
[ ] Rotary (Conventional) [ ] Jetting
[ ] Rotary (Reverse) [ ] Driving
[ ] Boring [ ] Digging
[ ] Air percussion
[ ] Other, *specify*

Well Use

[ ] Public [ ] Commercial [X] Not used
[ ] Domestic [ ] Municipal [ ] Dewatering
[ ] Livestock [ ] Test Hole [ ] Monitoring
[ ] Irrigation [ ] Cooling & Air Conditioning
[ ] Industrial
[ ] Other, *specify*

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
6"	STEEL A53	0.28	0.00	6.4

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
6"	STAINLESS	#15	6.4	9.76

Status of Well

[ ] Water Supply
[ ] Replacement Well
[X] Test Hole
[ ] Recharge Well
[ ] Dewatering Well
[ ] Observation and/or Monitoring Hole
[ ] Alteration (Construction)
[X] Abandoned, Insufficient Supply
[ ] Abandoned, Poor Water Quality
[ ] Abandoned, other, *specify*
[ ] Other, *specify*

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water	Other, specify
	[ ]	[ ] Fresh [X] Untested	
	[ ]	[ ] Fresh [ ] Untested	
	[ ]	[ ] Fresh [ ] Untested	

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0.00	9.76	6.2

Results of Well Yield Testing

After test of well yield, water was:
[ ] Clear and sand free
[ ] Other, *specify*

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping ____ hrs + ____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min / GPM)*

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

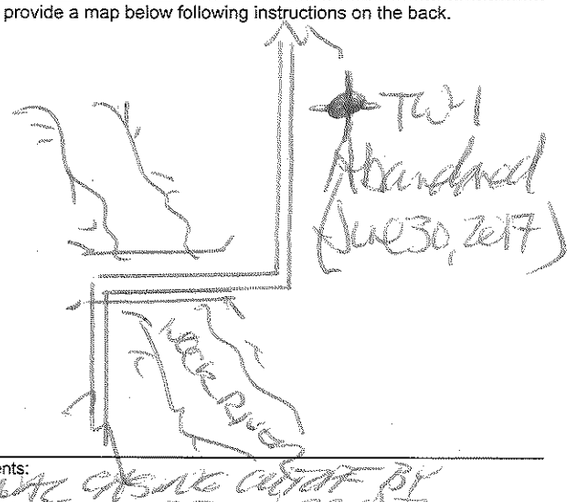
Well production *(l/min / GPM)*

Disinfected? [X] Yes [ ] No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level		4.95		
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments: Water source capped by Thurston Drilling

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
STANLEY DRILLING INC	4675

Business Address (Street Number/Name)	Municipality
157 FIVE MILE DRIVE	ORLEANS

Province	Postal Code	Business E-mail Address
ON	K1W 1K6	stanley.drilling@bell.net

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
(613) 824-2666	STANLEY, PETER

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
1266		OCT 31 2017

Well owner's information package delivered: [ ] Yes [X] No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: OCT 30 2017

Ministry Use Only

Audit No. Z252098

Received OCT 31 2017

Ministry's Copy

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

Historic Land Use Inventory

Application Form

Notice of Public Record

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

Municipal Freedom of Information and Protection Act

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

PE4940

Background Information

***Site Address or Location:** *3432 Greenbank Road, Ottawa ON*

** Mandatory Field*

Applicant/Agent Information:

Name:	*Mandy Witteman*		
Mailing Address:	*154 Colonnade Road S, Ottawa ON*		
Telephone:	*613-226-7381*	Email Address:	*mwitteman@patersongroup.ca*

Registered Property Owner Information: ☐ Same as above

Name:	*Minto Communities (Curtis Scarlett)*		
Mailing Address:	*180 Kent Ste, suite 200, Ottawa ON*		
Telephone:	*613-230-7051*	Email Address:	*cscarlett@minto.com*

Site Details

Legal Description and PIN: *Lot 12, Concession 3 Nepean, Ottawa, ON*

What is the land currently used for? *Agricultural*

Lot frontage: _____ m Lot depth: _____ m Lot area: _____ m²

OR Lot area: (irregular lot) 2,328,000 m²

Does the site have Full Municipal Services: (•) Yes ( ) No

Required Fees

Please don't hesitate to visit the Historic Land Use Inventory website more information. Fees must be paid in full at the time of application submission.

Planning Fee	$125.00

Submittal Requirements

The following are required to be submitted with this application:

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

Disclaimer
For use with HLUI Database

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

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

1. The HLUI may contain erroneous information given that such records and sources of information may be flawed. Changes in municipal addresses over time may have introduced error in such records and sources of information. The City is not responsible for any errors or omissions in the HLUI and reserves the right to change and update the HLUI without further notice. The City does not, however, make any commitment to update the HLUI. Accordingly, all information from the HLUI is provided on an "as is" basis with no representation or warranty by the City with respect to the information's accuracy or exhaustiveness in responding to the request.

2. City staff will perform a search of the HLUI based on the information given by the Requester. City staff will make every effort to be accurate, however, the City does not provide an assurance, guarantee, warranty, representation (express or implied), as to the availability, accuracy, completeness or currency of information which will be provided to the Requester. The HLUI in no way confirms the presence or absence of contamination or pollution of any kind. The information provided by the City to the Requester is provided on the assumption that it will not be relied upon by any person whatsoever. The City denies all liability to any such persons attempting to rely on any information provided from the HLUI database.

3. The City, its employees, servants, agents, boards, officials or contractors take no responsibility for any actions, claims, losses, liability, judgments, demands, expenses, costs, damages or harm suffered by any person whatsoever including negligence in compiling or disseminating information in the HLUI.

4. Copyright is reserved to the City.

5. Any use of the information provided from the HLUI which a third party makes, or any reliance on or decisions to be based on it, are the responsibilities of such third parties. The City, its employees, servants, agents, boards, officials or contractors accept no responsibility for any damages, if any, suffered by a third party as a result of decisions made as a result of an information search of the HLUI.

6. Any use of this service by the Requestor indicates an acknowledgement, acceptance and limits of this disclaimer.

7. All information collected under this request and all records provided in response to this request are subject to the provisions of the Municipal Freedom of Information and Protection of Privacy Act, R.S.O. 1990, c. M.56, as amended.

Signed: 

Dated (dd/mm/yyyy): 5/11/2020

Per: Mandy Witteman

(Please print name)

Title: Consultant

Company: Paterson Group

patersongroup

Consulting Engineers

154 Colonnade Road South
Ottawa, Ontario
Canada, K2E 7J5
Tel: (613) 226-7381
Fax: (613) 226-6344

Geotechnical Engineering
Environmental Engineering
Hydrogeology
Geological Engineering
Materials Testing
Building Science
Archaeological Services

www.patersongroup.ca

May 11, 2020
File: PE4940-HLUI

City of Ottawa
110 Laurier Avenue W
Ottawa, Ontario
K1P 1J1

Subject: **Authorization Letter, HLUI Search**
Phase I-Environmental Site Assessment
3432 Greenbank Road, Ottawa ON

Dear Sir,

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

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

Name of Company/Property Owner: Minto Communities Inc.

Name of Representative Curtiss Scarlett

Signature of Representative Curtiss Scarlett

Date 2020.05.12

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*PE49XX - 3432 Greenbank Road* *3432 Greenbank Road* *Nepean ON K2J 0R5*
Project No:	*30077*
Report Type:	*Standard Report*
Order No:	*20200511043*
Requested by:	*Paterson Group Inc.*
Date Completed:	*May 14, 2020*

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

Table of Contents

Executive Summary

Property Information:

Project Property:	*PE49XX - 3432 Greenbank Road* *3432 Greenbank Road Nepean ON K2J 0R5*
Project No:	*30077*

Coordinates:

Latitude:	*45.2581319*
Longitude:	*-75.741105*
UTM Northing:	*5,011,893.35*
UTM Easting:	*441,852.47*
UTM Zone:	*18T*

Elevation:	*276 FT* *84.19 M*

Order Information:

Order No:	*20200511043*
Date Requested:	*May 11, 2020*
Requested by:	*Paterson Group Inc.*
Report Type:	*Standard Report*

Historical/Products:

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	Abandoned Aggregate Inventory	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	0	5	5
CA	Certificates of Approval	Y	0	0	0
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	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
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	0	0
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)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	0	0
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
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 (NATES)	Y	0	0	0
NCPL	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 Sites	Y	0	0	0
NEBI	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	0	0
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 Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	15	15
	Total:		0	20	20

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number

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

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	WWIS		lot 12 con 3 ON ***Well ID:*** 1522107	WNW/53.8	2.49	15
2	WWIS		lot 12 con 3 NEPEAN ON ***Well ID:*** 7156857	NE/74.4	4.99	18
3	WWIS		lot 12 con 3 NEPEAN ON ***Well ID:*** 7156858	NE/104.3	5.20	25
4	WWIS		lot 12 con 3 ON ***Well ID:*** 1506041	E/129.6	5.35	32
5	BORE		ON	E/129.6	5.35	34
6	WWIS		lot 12 con 3 ON ***Well ID:*** 1510110	ENE/132.3	6.77	35
7	WWIS		lot 12 con 3 ON ***Well ID:*** 1510111	NE/140.0	6.77	38
8	BORE		ON	NE/140.0	6.77	41
9	WWIS		lot 12 con 3 ON ***Well ID:*** 1506042	S/152.9	4.70	43
10	WWIS		lot 12 con 3 BARRHAVEN ON ***Well ID:*** 7287891	S/165.5	4.72	45
11	BORE		ON	SE/170.0	-1.31	52
12	WWIS		lot 12 con 3 BARRHAVEN ON	S/171.4	4.72	53

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 7199593			
12	WWIS		lot 12 con 3 BARRHAVEN ON ***Well ID:*** 7287890	S/171.4	4.72	59
13	BORE		ON	S/191.3	4.72	61
14	WWIS		lot 12 con 2 OTTAWA ON ***Well ID:*** 7152714	ENE/205.6	6.65	62
15	WWIS		lot 13 con 2 NEPEAN ON ***Well ID:*** 7278704	NE/212.5	7.77	76
15	WWIS		lot 12 con 2 Ottawa ON ***Well ID:*** 7298092	NE/212.5	7.77	80
16	BORE		ON	NNE/231.9	7.38	82
17	WWIS		lot 12 con 2 ON ***Well ID:*** 1509671	NE/233.9	7.76	83
18	WWIS		NEPEAN ON ***Well ID:*** 7165137	NNE/233.9	6.51	86

Executive Summary: Summary By Data Source

BORE - Borehole

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

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	E	129.59	5
	ON	NE	140.00	8
	ON	S	191.30	13
	ON	NNE	231.92	16

Lower Elevation	Address	Direction	Distance (m)	Map Key
	ON	SE	170.04	11

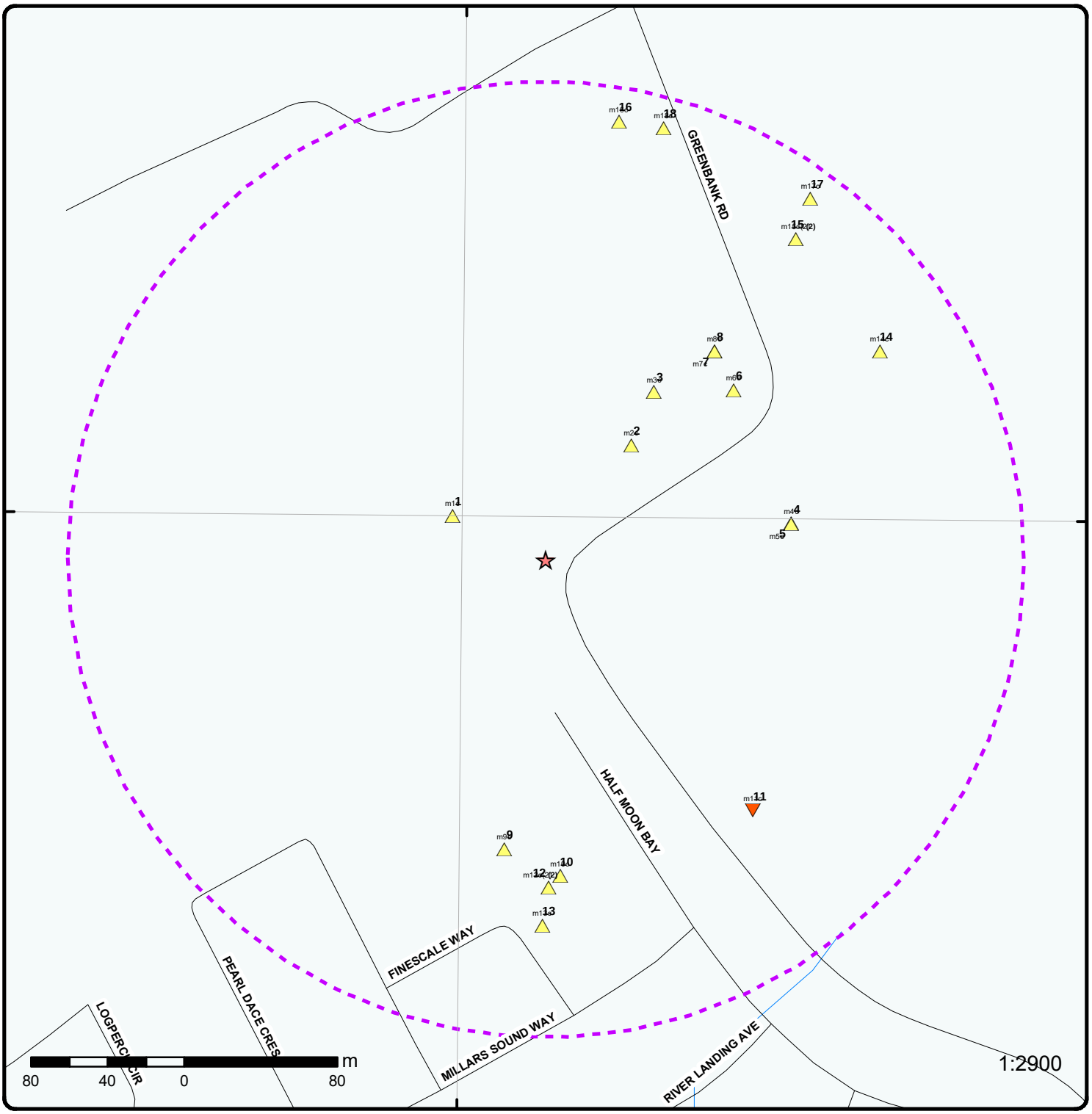
WWIS - Water Well Information System

A search of the WWIS database, dated Feb 28, 2019 has found that there are 15 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	lot 12 con 3 ON ***Well ID:*** 1522107	WNW	53.77	1
	lot 12 con 3 NEPEAN ON ***Well ID:*** 7156857	NE	74.44	2

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	lot 12 con 3 NEPEAN ON ***Well ID:*** 7156858	NE	104.30	3
	lot 12 con 3 ON ***Well ID:*** 1506041	E	129.58	4
	lot 12 con 3 ON ***Well ID:*** 1510110	ENE	132.32	6
	lot 12 con 3 ON ***Well ID:*** 1510111	NE	139.96	7
	lot 12 con 3 ON ***Well ID:*** 1506042	S	152.91	9
	lot 12 con 3 BARRHAVEN ON ***Well ID:*** 7287891	S	165.52	10
	lot 12 con 3 BARRHAVEN ON ***Well ID:*** 7199593	S	171.36	12
	lot 12 con 3 BARRHAVEN ON ***Well ID:*** 7287890	S	171.36	12
	lot 12 con 2 OTTAWA ON ***Well ID:*** 7152714	ENE	205.59	14
	lot 13 con 2 NEPEAN ON ***Well ID:*** 7278704	NE	212.47	15
	lot 12 con 2 Ottawa ON ***Well ID:*** 7298092	NE	212.47	15
	lot 12 con 2 ON	NE	233.87	17

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	Well ID: 1509671			
	NEPEAN ON	NNE	233.89	18
	Well ID: 7165137			



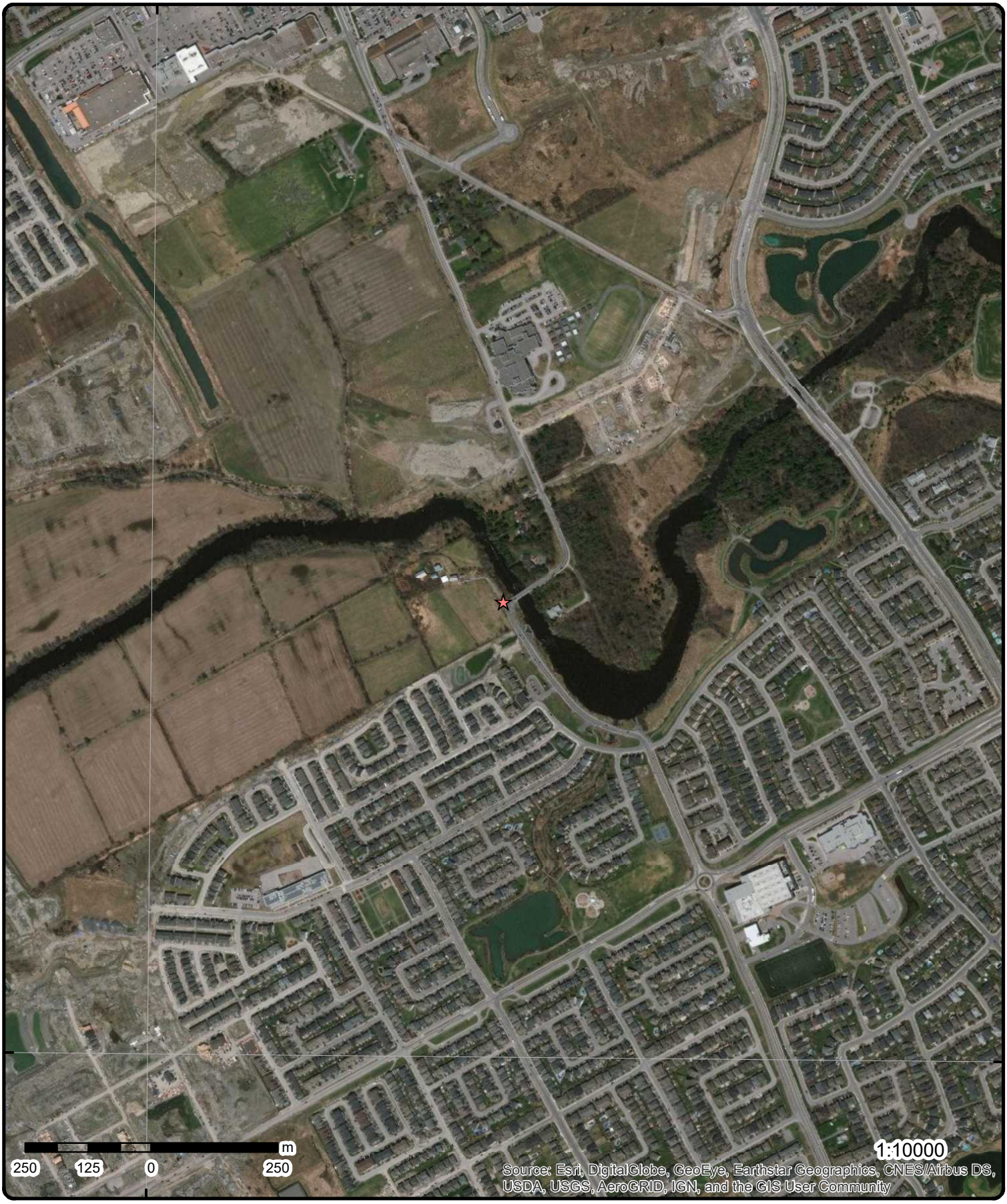
Map : 0.25 Kilometer Radius

Order Number: 20200511043

Address: 3432 Greenbank Road, Nepean, ON

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Expressway
- Principal Highway
- Secondary Highway
- Major Road
- Local road
- Trail
- Proposed Road
- Ferry Route/Ice Road
- Industrial and Resource - Regions
- Main Line
- Sidetrack
- Transit Line
- Abandoned Line
- National Park
- Provincial or Territorial Park
- Other Park
- Golf Course or Driving Range
- Park or Sports Field
- Other Recreation Area



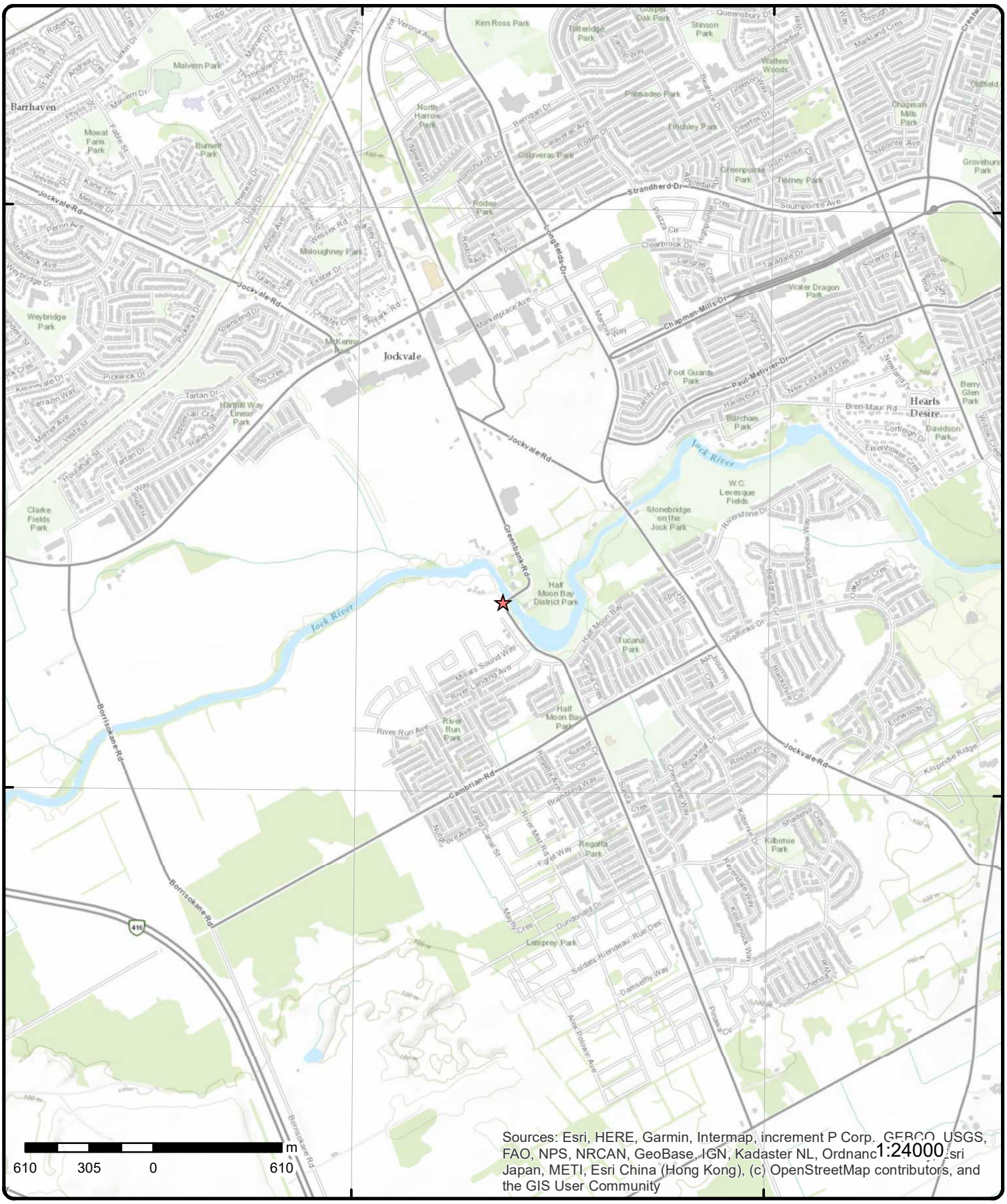
Aerial **Year: 2019**

Order Number: 20200511043

Address: 3432 Greenbank Road, Nepean, ON

Source: ESRI World Imagery

ENVIRONMENTAL RISK INFORMATION SERVICES



Topographic Map

Address: 3432 Greenbank Road, ON

Source: ESRI World Topographic Map

Order Number: 20200511043

ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	WNW/53.8	86.7 / 2.49	lot 12 con 3 ON	WWIS

Well ID:	1522107	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Livestock	**Date Received:**	1/13/1988
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3644
Casing Material:		**Form Version:**	1
Audit No:	08656	**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	NEPEAN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	012
Well Depth:		**Concession:**	03
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:	10043920	**Elevation:**	91.561157
DP2BR:	24	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	441803.7
Code OB Desc:	Bedrock	**North83:**	5011916
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	9/16/1987	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	gis
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931050276
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	14
Other Materials:	HARDPAN
Mat3:	12

Other Materials:	STONES
Formation Top Depth:	0
Formation End Depth:	24
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931050277
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	24
Formation End Depth:	65
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10592490
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930076769
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	65
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930076768
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:	991522107
Pump Set At:	
Static Level:	8
Final Level After Pumping:	20
Recommended Pump Depth:	25
Pumping Rate:	15
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934654457
Test Type:	
Test Duration:	45
Test Level:	20
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934108802
Test Type:	
Test Duration:	15
Test Level:	20
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934392906
Test Type:	
Test Duration:	30
Test Level:	20
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934902312
Test Type:	
Test Duration:	60
Test Level:	20
Test Level UOM:	ft

Water Details

Water ID:	933479872
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60
Water Found Depth UOM:	ft

Water Details

Water ID: 933479871
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 45
Water Found Depth UOM: ft

---

2 | **1 of 1** | **NE/74.4** | **89.2 / 4.99** | **lot 12 con 3 NEPEAN ON** | **WWIS**

Well ID: 7156857
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: Z110802
Tag: A093663
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 12/29/2010
Selected Flag: Yes
Abandonment Rec:
Contractor: 1119
Form Version: 7
Owner:
Street Name: 3426 GREENBANK RD
County: OTTAWA-CARLETON
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 012
Concession: 03
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1003444402
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 11/2/2010
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 90.020133
Elevrc:
Zone: 18
East83: 441897
North83: 5011953
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1003739993
Layer: 3
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:

Formation Top Depth:	200
Formation End Depth:	220
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1003739992
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	33
Formation End Depth:	200
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1003739991
Layer:	1
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	13
Other Materials:	BOULDERS
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	33
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1003740030
Layer:	2
Plug From:	28
Plug To:	38
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1003740029
Layer:	1
Plug From:	0
Plug To:	28
Plug Depth UOM:	ft

Method of Construction & Well Use

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

Other Method Construction:

Pipe Information

Pipe ID:	1003739989
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1003739997
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-2
Depth To:	38
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	1003739998
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	38
Depth To:	220
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1003739999
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID:	1003739990
Pump Set At:	200
Static Level:	18.4
Final Level After Pumping:	44.9
Recommended Pump Depth:	100
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	20
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	3
Water State After Test:	OTHER
Pumping Test Method:	0
Pumping Duration HR:	1
Pumping Duration MIN:	0

Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1003740013
Test Type: Recovery
Test Duration: 15
Test Level: 18.4
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740000
Test Type: Draw Down
Test Duration: 1
Test Level: 26.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740001
Test Type: Recovery
Test Duration: 1
Test Level: 28.4
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740008
Test Type: Draw Down
Test Duration: 5
Test Level: 36.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740016
Test Type: Draw Down
Test Duration: 25
Test Level: 43.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740022
Test Type: Draw Down
Test Duration: 50
Test Level: 44.7
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740012
Test Type: Draw Down
Test Duration: 15
Test Level: 41.1
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740023
Test Type: Recovery
Test Duration: 50
Test Level: 18.4
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740003
Test Type: Recovery
Test Duration: 2
Test Level: 23
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740004
Test Type: Draw Down
Test Duration: 3
Test Level: 33.4
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740009
Test Type: Recovery
Test Duration: 5
Test Level: 18.4
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740015
Test Type: Recovery
Test Duration: 20
Test Level: 18.4
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740020
Test Type: Draw Down
Test Duration: 40
Test Level: 44.3
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740024
Test Type: Draw Down
Test Duration: 60
Test Level: 44.9
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740018
Test Type: Draw Down
Test Duration: 30

Test Level: 44
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740021
Test Type: Recovery
Test Duration: 40
Test Level: 18.4
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740025
Test Type: Recovery
Test Duration: 60
Test Level: 18.4
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740002
Test Type: Draw Down
Test Duration: 2
Test Level: 30.6
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740010
Test Type: Draw Down
Test Duration: 10
Test Level: 39.9
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740011
Test Type: Recovery
Test Duration: 10
Test Level: 18.4
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740017
Test Type: Recovery
Test Duration: 25
Test Level: 18.4
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740006
Test Type: Draw Down
Test Duration: 4
Test Level: 35.1
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	1003740007
Test Type:	Recovery
Test Duration:	4
Test Level:	18.9
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1003740005
Test Type:	Recovery
Test Duration:	3
Test Level:	20.4
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1003740014
Test Type:	Draw Down
Test Duration:	20
Test Level:	42.3
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1003740019
Test Type:	Recovery
Test Duration:	30
Test Level:	18.4
Test Level UOM:	ft

Water Details

Water ID:	1003739996
Layer:	2
Kind Code:	8
Kind:	Untested
Water Found Depth:	210
Water Found Depth UOM:	ft

Water Details

Water ID:	1003739995
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	135
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1003739994
Diameter:	6
Depth From:	0
Depth To:	220
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	1 of 1	NE/104.3	89.4 / 5.20	lot 12 con 3 NEPEAN ON	WWIS

Well ID: 7156858
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: Z110804
Tag: A093662
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 12/29/2010
Selected Flag: Yes
Abandonment Rec:
Contractor: 1119
Form Version: 7
Owner:
Street Name: 3426 GREENBANK RD
County: OTTAWA-CARLETON
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 012
Concession: 03
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1003444404
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 11/2/2010
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 92.048446
Elevrc:
Zone: 18
East83: 441909
North83: 5011981
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1003740118
Layer: 3
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 205
Formation End Depth: 220
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1003740116

Layer: 1
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2: 13
Other Materials: BOULDERS
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 33
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1003740117
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 33
Formation End Depth: 205
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1003740157
Layer: 2
Plug From: 28
Plug To: 38
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1003740156
Layer: 1
Plug From: 0
Plug To: 28
Plug Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 1003740114
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID:	1003740124
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-2
Depth To:	38
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	1003740125
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	38
Depth To:	220
Casing Diameter:	6.375
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1003740126
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID:	1003740115
Pump Set At:	200
Static Level:	16
Final Level After Pumping:	16.9
Recommended Pump Depth:	100
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	20
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	3
Water State After Test:	OTHER
Pumping Test Method:	0
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	

Draw Down & Recovery

Pump Test Detail ID:	1003740135
Test Type:	Draw Down
Test Duration:	5
Test Level:	16.8

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740137
Test Type: Draw Down
Test Duration: 10
Test Level: 16.8
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740130
Test Type: Recovery
Test Duration: 2
Test Level: 16
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740145
Test Type: Draw Down
Test Duration: 30
Test Level: 16.9
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740150
Test Type: Recovery
Test Duration: 50
Test Level: 16
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740144
Test Type: Recovery
Test Duration: 25
Test Level: 16
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740148
Test Type: Recovery
Test Duration: 40
Test Level: 16
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740152
Test Type: Recovery
Test Duration: 60
Test Level: 16
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740127
Test Type: Draw Down
Test Duration: 1
Test Level: 16.7
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740136
Test Type: Recovery
Test Duration: 5
Test Level: 16
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740147
Test Type: Draw Down
Test Duration: 40
Test Level: 16.9
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740131
Test Type: Draw Down
Test Duration: 3
Test Level: 16.7
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740134
Test Type: Recovery
Test Duration: 4
Test Level: 16
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740138
Test Type: Recovery
Test Duration: 10
Test Level: 16
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740139
Test Type: Draw Down
Test Duration: 15
Test Level: 16.8
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740142
Test Type: Recovery
Test Duration: 20

Test Level: 16
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740146
Test Type: Recovery
Test Duration: 30
Test Level: 16
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740129
Test Type: Draw Down
Test Duration: 2
Test Level: 16.7
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740143
Test Type: Draw Down
Test Duration: 25
Test Level: 16.8
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740151
Test Type: Draw Down
Test Duration: 60
Test Level: 16.9
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740128
Test Type: Recovery
Test Duration: 1
Test Level: 16
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740140
Test Type: Recovery
Test Duration: 15
Test Level: 16
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003740132
Test Type: Recovery
Test Duration: 3
Test Level: 16
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	1003740133
Test Type:	Draw Down
Test Duration:	4
Test Level:	16.7
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1003740141
Test Type:	Draw Down
Test Duration:	20
Test Level:	16.8
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1003740149
Test Type:	Draw Down
Test Duration:	50
Test Level:	16.9
Test Level UOM:	ft

Water Details

Water ID:	1003740123
Layer:	3
Kind Code:	8
Kind:	Untested
Water Found Depth:	210
Water Found Depth UOM:	ft

Water Details

Water ID:	1003740122
Layer:	2
Kind Code:	8
Kind:	Untested
Water Found Depth:	185
Water Found Depth UOM:	ft

Water Details

Water ID:	1003740121
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	140
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1003740119
Diameter:	6
Depth From:	0
Depth To:	38
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Hole Diameter

Hole ID:	1003740120
Diameter:	0.638
Depth From:	38
Depth To:	220
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

---

4 | ***1 of 1*** | ***E/129.6*** | ***89.5 / 5.35*** | ***lot 12 con 3 ON*** | ***WWIS***

Well ID:	1506041	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	11/1/1960
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1301
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	012
Well Depth:		***Concession:***	03
Overburden/Bedrock:		***Concession Name:***	RF
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:	10028084	***Elevation:***	92.979988
DP2BR:	32	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	441980.7
Code OB Desc:	Bedrock	***North83:***	5011912
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	10/22/1960	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931003633
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	13
Other Materials:	BOULDERS
Mat3:	

Other Materials:
Formation Top Depth: 0
Formation End Depth: 32
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931003634
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 32
Formation End Depth: 175
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10576654
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930048916
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 175
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930048915
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 34
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	991506041
Pump Set At:	
Static Level:	5
Final Level After Pumping:	7
Recommended Pump Depth:	27
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Water Details

Water ID:	933460105
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	175
Water Found Depth UOM:	ft

5 ***1 of 1*** ***E/129.6*** ***89.5 / 5.35*** ***ON*** ***BORE***

Borehole ID:	612004	***Inclin FLG:***	No
OGF ID:	215513314	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	OCT-1960	***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.258311
Total Depth m:	53.3	***Longitude DD:***	-75.739473
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	441981
Drill Method:		***Northing:***	5011912
Orig Ground Elev m:	91.4	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	93		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218389789	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	9.8	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Boulders	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			

Stratum Description: CLAY,BOULDERS.

Geology Stratum ID: 218389790
Top Depth: 9.8
Bottom Depth: 53.3
Material Color: White
Material 1: Limestone
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: LIMESTONE. 00175NDSTONE. 00082STONE,SAND. WHITE. SANDSTONE. WHITE. 00086 = 19500.

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence:
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 04512 NTS_Sheet:
Confiden 1:

Source Appl: Spatial/Tabular
Source Iden: 1
Scale or Res: Varies
Horizontal: NAD27
Verticalda: Mean Average Sea Level

Source List

Source Identifier: 1
Source Type: Data Survey
Source Date: 1956-1972
Scale or Resolution: Varies
Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada

Horizontal Datum: NAD27
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transverse Mercator

6	1 of 1	ENE/132.3	91.0 / 6.77	lot 12 con 3 ON	WWIS

Well ID: 1510110
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 7/7/1969
Selected Flag: Yes
Abandonment Rec:
Contractor: 1603
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 012
Concession: 03
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10032140
DP2BR: 37
Spatial Status:

Elevation: 94.175636
Elevrc:
Zone: 18

Code OB:	r	**East83:**	441950.7
Code OB Desc:	Bedrock	**North83:**	5011982
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	5/26/1969	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931013919
Layer:	4
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	09
Other Materials:	MEDIUM SAND
Mat3:	13
Other Materials:	BOULDERS
Formation Top Depth:	26
Formation End Depth:	37
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931013916
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	09
Other Materials:	MEDIUM SAND
Mat3:	13
Other Materials:	BOULDERS
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931013918
Layer:	3
Color:	2
General Color:	GREY
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	12
Formation End Depth:	26
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931013917
Layer:	2
Color:	2
General Color:	GREY
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	13
Other Materials:	BOULDERS
Mat3:	
Other Materials:	
Formation Top Depth:	4
Formation End Depth:	12
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931013920
Layer:	5
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	37
Formation End Depth:	103
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	10580710
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930056895
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	40
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991510110
Pump Set At:	
Static Level:	7
Final Level After Pumping:	20
Recommended Pump Depth:	25
Pumping Rate:	15
Flowing Rate:	
Recommended Pump Rate:	8
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	4
Pumping Duration MIN:	0
Flowing:	N

Water Details

Water ID:	933465046
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	101
Water Found Depth UOM:	ft

---

7 ***1 of 1*** ***NE/140.0*** ***91.0 / 6.77*** ***lot 12 con 3 ON*** ***WWIS***

Well ID:	1510111	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/7/1969
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1603
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	012
Well Depth:		***Concession:***	03
Overburden/Bedrock:		***Concession Name:***	RF
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:	10032141	***Elevation:***	93.857696
DP2BR:	33	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	441940.7
Code OB Desc:	Bedrock	***North83:***	5012002
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	5/23/1969	***UTMRC Desc:***	margin of error : 30 m - 100 m

Remarks: ***Location Method:*** p4
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931013921
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 09
Other Materials: MEDIUM SAND
Mat3: 13
Other Materials: BOULDERS
Formation Top Depth: 0
Formation End Depth: 9
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931013924
Layer: 4
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2: 13
Other Materials: BOULDERS
Mat3:
Other Materials:
Formation Top Depth: 28
Formation End Depth: 33
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931013922
Layer: 2
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 13
Other Materials: BOULDERS
Mat3:
Other Materials:
Formation Top Depth: 9
Formation End Depth: 22
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931013923
Layer: 3
Color:
General Color:
Mat1: 08
Most Common Material: FINE SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 22
Formation End Depth: 28
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931013925
Layer: 5
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 33
Formation End Depth: 107
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10580711
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930056897
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 107
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930056896
Layer: 1

Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	37
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991510111
Pump Set At:	
Static Level:	6
Final Level After Pumping:	20
Recommended Pump Depth:	20
Pumping Rate:	15
Flowing Rate:	
Recommended Pump Rate:	8
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	10
Pumping Duration MIN:	0
Flowing:	N

Water Details

Water ID:	933465047
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	105
Water Found Depth UOM:	ft

8 ***1 of 1*** ***NE/140.0*** ***91.0 / 6.77*** ***ON*** ***BORE***

Borehole ID:	612007	**Inclin FLG:**	No
OGF ID:	215513317	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	MAY-1969	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.259118
Total Depth m:	32.6	**Longitude DD:**	-75.739994
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	441941
Drill Method:		**Northing:**	5012002
Orig Ground Elev m:	92	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	93.9		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218389799	**Mat Consistency:**	
Top Depth:	8.5	**Material Moisture:**	
Bottom Depth:	10.1	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Gravel	**Geologic Formation:**	
Material 2:	Boulders	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	GRAVEL,BOULDERS.		

Geology Stratum ID:	218389800	**Mat Consistency:**	
Top Depth:	10.1	**Material Moisture:**	
Bottom Depth:	32.6	**Material Texture:**	
Material Color:	White	**Non Geo Mat Type:**	
Material 1:	Limestone	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	LIMESTONE. 00105. WHITE. 00086 = 19500. BEDROCK. SEISMIC VELOCITY = 17000. 200135 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218389797	**Mat Consistency:**	
Top Depth:	2.7	**Material Moisture:**	
Bottom Depth:	6.7	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Boulders	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND,BOULDERS.		

Geology Stratum ID:	218389798	**Mat Consistency:**	
Top Depth:	6.7	**Material Moisture:**	
Bottom Depth:	8.5	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND.		

Geology Stratum ID:	218389796	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	2.7	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Boulders	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY,SAND,BOULDERS.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 04515 NTS_Sheet:		

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

Confiden 1:

Source List

Source Identifier:	1	***Horizontal Datum:***	NAD27
Source Type:	Data Survey	***Vertical Datum:***	Mean Average Sea Level
Source Date:	1956-1972	***Projection Name:***	Universal Transverse Mercator
Scale or Resolution:	Varies		
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Originators:	Geological Survey of Canada		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	1 of 1	S/152.9	88.9 / 4.70	lot 12 con 3 ON	WWIS

Well ID:	1506042	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Livestock	***Date Received:***	12/14/1966
Sec. Water Use:	Domestic	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3601
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	012
Well Depth:		***Concession:***	03
Overburden/Bedrock:		***Concession Name:***	RF
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:	10028085	***Elevation:***	91.95137
DP2BR:	31	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	441830.7
Code OB Desc:	Bedrock	***North83:***	5011742
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	9/7/1966	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931003636
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL

Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 21
Formation End Depth: 31
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931003637
Layer: 3
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 31
Formation End Depth: 40
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931003635
Layer: 1
Color:
General Color:
Mat1: 13
Most Common Material: BOULDERS
Mat2: 02
Other Materials: TOPSOIL
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 21
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10576655
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930048917
Layer: 1
Material: 1

Open Hole or Material:	STEEL
Depth From:	
Depth To:	31
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930048918
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	40
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991506042
Pump Set At:	
Static Level:	15
Final Level After Pumping:	15
Recommended Pump Depth:	35
Pumping Rate:	15
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Water Details

Water ID:	933460106
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	40
Water Found Depth UOM:	ft

10 ***1 of 1*** ***S/165.5*** ***88.9 / 4.72*** ***lot 12 con 3 BARRHAVEN ON*** ***WWIS***

Well ID:	7287891	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Domestic	***Date Received:***	6/7/2017
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4877
Casing Material:		***Form Version:***	7
Audit No:	Z242975	***Owner:***	
Tag:	A218025	***Street Name:***	454 GREENBANK RD
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	

Depth to Bedrock:		***Lot:***	012
Well Depth:		***Concession:***	03
Overburden/Bedrock:		***Concession Name:***	RF
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:	1006515961	***Elevation:***	91.83406
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	441860
Code OB Desc:		***North83:***	5011728
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	5/17/2017	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006747304
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	05
Other Materials:	CLAY
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006747305
Layer:	2
Color:	2
General Color:	GREY
Mat1:	34
Most Common Material:	TILL
Mat2:	
Other Materials:	
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	10
Formation End Depth:	35.5
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	1006747306
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	73
Other Materials:	HARD
Formation Top Depth:	35.5
Formation End Depth:	141
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006747343
Layer:	2
Plug From:	28.5
Plug To:	0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006747342
Layer:	1
Plug From:	38.5
Plug To:	28.5
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	AIR PERCUSSION

Pipe Information

Pipe ID:	1006747302
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006747312
Layer:	3
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	38.5
Depth To:	141
Casing Diameter:	6.125
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	1006747311
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	0
Depth To:	38.5
Casing Diameter:	6.25
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	1006747310
Layer:	1
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	0
Depth To:	38.5
Casing Diameter:	9.875
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006747313
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID:	1006747303
Pump Set At:	130
Static Level:	12.9
Final Level After Pumping:	108.4
Recommended Pump Depth:	130
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	0
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	1006747317
Test Type:	Recovery
Test Duration:	2
Test Level:	90.9
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID: 1006747319
Test Type: Recovery
Test Duration: 3
Test Level: 84.7
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006747330
Test Type: Draw Down
Test Duration: 25
Test Level: 64.3
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006747331
Test Type: Recovery
Test Duration: 25
Test Level: 15.6
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006747315
Test Type: Recovery
Test Duration: 1
Test Level: 97
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006747320
Test Type: Draw Down
Test Duration: 4
Test Level: 31.6
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006747336
Test Type: Draw Down
Test Duration: 50
Test Level: 96.7
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006747338
Test Type: Draw Down
Test Duration: 60
Test Level: 108.4
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006747322
Test Type: Draw Down
Test Duration: 5
Test Level: 33.9
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006747328
Test Type: Draw Down
Test Duration: 20
Test Level: 56.8
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006747333
Test Type: Recovery
Test Duration: 30
Test Level: 14.8
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006747339
Test Type: Recovery
Test Duration: 60
Test Level: 13.6
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006747314
Test Type: Draw Down
Test Duration: 1
Test Level: 20.8
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006747323
Test Type: Recovery
Test Duration: 5
Test Level: 72.6
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006747325
Test Type: Recovery
Test Duration: 10
Test Level: 42.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006747326
Test Type: Draw Down
Test Duration: 15
Test Level: 48.8

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006747332
Test Type: Draw Down
Test Duration: 30
Test Level: 71.1
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006747334
Test Type: Draw Down
Test Duration: 40
Test Level: 84.2
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006747335
Test Type: Recovery
Test Duration: 40
Test Level: 14.1
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006747316
Test Type: Draw Down
Test Duration: 2
Test Level: 25.9
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006747321
Test Type: Recovery
Test Duration: 4
Test Level: 78.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006747324
Test Type: Draw Down
Test Duration: 10
Test Level: 41.7
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006747327
Test Type: Recovery
Test Duration: 15
Test Level: 24
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006747318
Test Type: Draw Down
Test Duration: 3
Test Level: 28.9
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006747329
Test Type: Recovery
Test Duration: 20
Test Level: 17.7
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006747337
Test Type: Recovery
Test Duration: 50
Test Level: 13.8
Test Level UOM: ft

Water Details

Water ID: 1006747309
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 110
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006747308
Diameter: 6.125
Depth From: 38.5
Depth To: 141
Hole Depth UOM: ft
Hole Diameter UOM: inch

Hole Diameter

Hole ID: 1006747307
Diameter: 9.875
Depth From: 0
Depth To: 38.5
Hole Depth UOM: ft
Hole Diameter UOM: inch

---

11 | 1 of 1 | SE/170.0 | 82.9 / -1.31 | ON | BORE

Borehole ID: 611995
OGF ID: 215513305
Status:
Type: Borehole
Use:
Completion Date:
Static Water Level: 3.4
Primary Water Use:
Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:

Sec. Water Use:		**Latitude DD:**	45.25696
Total Depth m:	-999	**Longitude DD:**	-75.739711
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	441961
Drill Method:		**Northing:**	5011762
Orig Ground Elev m:	89.9	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	89.1		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218389765	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	9.8	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	TILL.		

Geology Stratum ID:	218389766	**Mat Consistency:**	
Top Depth:	9.8	**Material Moisture:**	
Bottom Depth:		**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Limestone	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BEDROCK,LIMESTONE. WATER STABLE AT 284.0 FEET.IC VELOCITY = 5900. BEDROCK. SEISMIC VELOCITY = **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	M	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 045030 NTS_Sheet: 31G05B		
Confiden 1:	Reliable information but incomplete.		

Source List

Source Identifier:	1	**Horizontal Datum:**	NAD27
Source Type:	Data Survey	**Vertical Datum:**	Mean Average Sea Level
Source Date:	1956-1972	**Projection Name:**	Universal Transverse Mercator
Scale or Resolution:	Varies		
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Originators:	Geological Survey of Canada		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
12	1 of 2	S/171.4	88.9 / 4.72	lot 12 con 3 BARRHAVEN ON	WWIS

Well ID:	7199593	**Data Entry Status:**	

Construction Date:		***Data Src:***	
Primary Water Use:	Domestic	***Date Received:***	3/28/2013
Sec. Water Use:	Public	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1558
Casing Material:		***Form Version:***	7
Audit No:	Z139833	***Owner:***	
Tag:	A123394	***Street Name:***	GREENBANK ROAD
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	012
Well Depth:		***Concession:***	03
Overburden/Bedrock:		***Concession Name:***	RF
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:	1004269700	***Elevation:***	92.146774
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	441854
Code OB Desc:		***North83:***	5011722
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	9/10/2012	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1004974072
Layer:	3
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	
Other Materials:	
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	7.61
Formation End Depth:	10.66
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1004974071
Layer:	2
Color:	2
General Color:	GREY
Mat1:	34

Most Common Material:	TILL
Mat2:	
Other Materials:	
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	3.65
Formation End Depth:	7.61
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1004974074
Layer:	5
Color:	2
General Color:	GREY
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Other Materials:	
Mat3:	73
Other Materials:	HARD
Formation Top Depth:	48.76
Formation End Depth:	83.2
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1004974073
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	10.66
Formation End Depth:	48.76
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1004974070
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	12
Other Materials:	STONES
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	0
Formation End Depth:	3.65
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID: 1004974100
Layer: 1
Plug From: 11.88
Plug To: 0
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction: AIR PERCUSSION

Pipe Information

Pipe ID: 1004974068
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004974078
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: 0.45
Depth To: 11.88
Casing Diameter: 15.86
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1004974079
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: 1004974069
Pump Set At: 30.47
Static Level: 4.2
Final Level After Pumping: 12.82
Recommended Pump Depth: 30.47
Pumping Rate: 54.6
Flowing Rate:
Recommended Pump Rate: 45.5
Levels UOM: m
Rate UOM: LPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 0
Pumping Duration HR: 1

Pumping Duration MIN:
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 1004974084
Test Type: Draw Down
Test Duration: 3
Test Level: 8
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004974087
Test Type: Recovery
Test Duration: 4
Test Level: 5.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004974082
Test Type: Draw Down
Test Duration: 2
Test Level: 7.15
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004974092
Test Type: Draw Down
Test Duration: 25
Test Level: 12.44
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004974095
Test Type: Draw Down
Test Duration: 50
Test Level: 12.73
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004974080
Test Type: Draw Down
Test Duration: 1
Test Level: 6.3
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004974085
Test Type: Recovery
Test Duration: 3
Test Level: 6.66
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004974086
Test Type: Draw Down
Test Duration: 4
Test Level: 8.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004974089
Test Type: Recovery
Test Duration: 5
Test Level: 4.6
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004974091
Test Type: Draw Down
Test Duration: 20
Test Level: 12.2
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004974083
Test Type: Recovery
Test Duration: 2
Test Level: 8.46
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004974096
Test Type: Draw Down
Test Duration: 60
Test Level: 12.82
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004974081
Test Type: Recovery
Test Duration: 1
Test Level: 10.13
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004974088
Test Type: Draw Down
Test Duration: 5
Test Level: 9.3
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004974090
Test Type: Recovery

Test Duration:	10
Test Level:	4.24
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1004974093
Test Type:	Draw Down
Test Duration:	30
Test Level:	12.48
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1004974094
Test Type:	Draw Down
Test Duration:	40
Test Level:	12.6
Test Level UOM:	m

Water Details

Water ID:	1004974077
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	79.24
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1004974075
Diameter:	15.86
Depth From:	0
Depth To:	11.88
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	1004974076
Diameter:	15.23
Depth From:	11.88
Depth To:	83.2
Hole Depth UOM:	m
Hole Diameter UOM:	cm

---

12 **2 of 2** **S/171.4** **88.9 / 4.72** **lot 12 con 3 BARRHAVEN ON** **WWIS**

Well ID:	7287890	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	6/7/2017
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	0	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	4877
Casing Material:		**Form Version:**	7
Audit No:	Z242980	**Owner:**	
Tag:	A123394	**Street Name:**	3454 GREENBANK RD
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	NEPEAN TOWNSHIP

Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	012
Well Depth:		**Concession:**	03
Overburden/Bedrock:		**Concession Name:**	RF
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:	1006515958	**Elevation:**	92.138923
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	441854
Code OB Desc:		**North83:**	5011722
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	5/25/2017	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1006747301
Layer:	1
Plug From:	267
Plug To:	0
Plug Depth UOM:	ft

Pipe Information

Pipe ID:	1006747294
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006747298
Layer:	
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006747299
Layer:	
Slot:	
Screen Top Depth:	

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

Hole Diameter

Hole ID: 1006747296
Diameter:
Depth From:
Depth To:
Hole Depth UOM: ft
Hole Diameter UOM: inch

---

13 ***1 of 1*** ***S/191.3*** ***88.9 / 4.72*** ***ON*** ***BORE***

Borehole ID: 611990
OGF ID: 215513300
Status:
Type: Borehole
Use:
Completion Date:
Static Water Level: 1.2
Primary Water Use:
Sec. Water Use:
Total Depth m: -999
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 94.5
Elev Reliabil Note:
DEM Ground Elev m: 92.8
Concession:
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:
Latitude DD: 45.25641
Longitude DD: -75.741106
UTM Zone: 18
Easting: 441851
Northing: 5011702
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218389752
Top Depth: 6.4
Bottom Depth: 9.4
Material Color:
Material 1: Gravel
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: GRAVEL. WATER STABLE AT 306.0 FEET.

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Geology Stratum ID: 218389753
Top Depth: 9.4
Bottom Depth:
Material Color:
Material 1: Bedrock
Material 2: Limestone
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: BEDROCK,LIMESTONE. UNSPECIFIED. SEISMIC VELOCITY = 6700. BEDROCK. SEISMIC VELOCITY = 17000
**Note: Many records provided by the department have a truncated [Stratum Description] field.

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Geology Stratum ID:	218389751	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	6.4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:	Boulders	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILT,BOULDERS.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	M	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 044980 NTS_Sheet: 31G05B		
Confiden 1:	Reliable information but incomplete.		

Source List

Source Identifier:	1	**Horizontal Datum:**	NAD27
Source Type:	Data Survey	**Vertical Datum:**	Mean Average Sea Level
Source Date:	1956-1972	**Projection Name:**	Universal Transverse Mercator
Scale or Resolution:	Varies		
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Originators:	Geological Survey of Canada		

---

14 | ***1 of 1*** | ***ENE/205.6*** | ***90.8 / 6.65*** | ***lot 12 con 2 OTTAWA ON*** | ***WWIS***

Well ID:	7152714	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	10/13/2010
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	1844
Casing Material:		**Form Version:**	5
Audit No:	M06774	**Owner:**	
Tag:	A096525	**Street Name:**	3392 JOCKVALE RD.
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	NEPEAN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	012
Well Depth:		**Concession:**	02
Overburden/Bedrock:		**Concession Name:**	RF
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:	1003611471	**Elevation:**	91.600662
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	442341

Code OB Desc:		**North83:**	5012052
Open Hole:		**Org CS:**	UTM83
Cluster Kind:	This is a record from cluster log sheet	**UTMRC:**	4
Date Completed:	8/13/2010	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1003611475
Layer:	
Plug From:	
Plug To:	
Plug Depth UOM:	

Method of Construction & Well Use

Method Construction ID:	
Method Construction Code:	
Method Construction:	
Other Method Construction:	HSA

Pipe Information

Pipe ID:	1003611476
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1003611478
Layer:	
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	
Depth To:	3.1
Casing Diameter:	
Casing Diameter UOM:	
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1003611477
Layer:	
Slot:	
Screen Top Depth:	3.1
Screen End Depth:	6.7
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID: 1003611479
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:

Hole Diameter

Hole ID: 1003611473
Diameter: 20
Depth From:
Depth To: 6.7
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1003611462
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind: This is a record from cluster log sheet
Date Completed: 8/12/2010
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 91.48561
Elevrc:
Zone: 18
East83: 442343
North83: 5012085
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1003611466
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID:
Method Construction Code:
Method Construction:
Other Method Construction: HSA

Pipe Information

Pipe ID: 1003611467
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003611469
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 2.4
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1003611468
Layer:
Slot:
Screen Top Depth: 2.4
Screen End Depth: 5.4
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1003611470
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:

Hole Diameter

Hole ID: 1003611464
Diameter: 20
Depth From:
Depth To: 5.4
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1003611489 ***Elevation:*** 91.847694

DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	442276
Code OB Desc:		**North83:**	5012274
Open Hole:		**Org CS:**	UTM83
Cluster Kind:	This is a record from cluster log sheet	**UTMRC:**	4
Date Completed:	8/13/2010	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1003611493
Layer:	
Plug From:	
Plug To:	
Plug Depth UOM:	

Method of Construction & Well Use

Method Construction ID:	
Method Construction Code:	
Method Construction:	
Other Method Construction:	HSA

Pipe Information

Pipe ID:	1003611494
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1003611496
Layer:	
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	
Depth To:	2.6
Casing Diameter:	
Casing Diameter UOM:	
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1003611495
Layer:	
Slot:	
Screen Top Depth:	2.6
Screen End Depth:	5.7
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID:	1003611497
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:	

Hole Diameter

Hole ID:	1003611491
Diameter:	20
Depth From:	
Depth To:	5.7
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Bore Hole Information

Bore Hole ID:	1003611444	***Elevation:***	91.52526
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	442403
Code OB Desc:		***North83:***	5012344
Open Hole:		***Org CS:***	UTM83
Cluster Kind:	This is a record from cluster log sheet	***UTMRC:***	4
Date Completed:	8/12/2010	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1003611448
Layer:	
Plug From:	
Plug To:	
Plug Depth UOM:	

Method of Construction & Well Use

Method Construction ID:	
Method Construction Code:	
Method Construction:	

Other Method Construction: HSA

Pipe Information

Pipe ID: 1003611449
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003611451
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 1.8
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1003611450
Layer:
Slot:
Screen Top Depth: 1.8
Screen End Depth: 4.8
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1003611452
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:

Hole Diameter

Hole ID: 1003611446
Diameter: 20
Depth From:
Depth To: 4.8
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID:	1003611480	***Elevation:***	90.039787
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	442330
Code OB Desc:		***North83:***	5012300
Open Hole:		***Org CS:***	UTM83
Cluster Kind:	This is a record from cluster log sheet	***UTMRC:***	4
Date Completed:	8/13/2010	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1003611484
Layer:	
Plug From:	
Plug To:	
Plug Depth UOM:	

Method of Construction & Well Use

Method Construction ID:	
Method Construction Code:	
Method Construction:	
Other Method Construction:	HSA

Pipe Information

Pipe ID:	1003611485
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1003611487
Layer:	
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	
Depth To:	1.83
Casing Diameter:	
Casing Diameter UOM:	
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1003611486
Layer:	
Slot:	
Screen Top Depth:	1.83
Screen End Depth:	5.4
Screen Material:	

Screen Depth UOM: m
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1003611488
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:

Hole Diameter

Hole ID: 1003611482
Diameter: 20
Depth From:
Depth To: 5.4
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1003611507
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind: This is a record from cluster log sheet
Date Completed:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation:
Elevrc:
Zone:
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Hole Diameter

Hole ID: 1003611509
Diameter:
Depth From:
Depth To:
Hole Depth UOM:
Hole Diameter UOM:

Bore Hole Information

Bore Hole ID: 1003348117
Elevation: 92.764251

DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	442027
Code OB Desc:		**North83:**	5012002
Open Hole:	N	**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	6
Date Completed:	8/13/2010	**UTMRC Desc:**	margin of error : 300 m - 1 km
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1003611512
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	02
Other Materials:	TOPSOIL
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	0.61
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1003611513
Layer:	2
Color:	2
General Color:	GREY
Mat1:	06
Most Common Material:	SILT
Mat2:	28
Other Materials:	SAND
Mat3:	91
Other Materials:	WATER-BEARING
Formation Top Depth:	0.61
Formation End Depth:	1.22
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1003611517
Layer:	6
Color:	2
General Color:	GREY
Mat1:	06
Most Common Material:	SILT
Mat2:	
Other Materials:	
Mat3:	91
Other Materials:	WATER-BEARING
Formation Top Depth:	5.49

Formation End Depth: 6.1
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1003611516
Layer: 5
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 06
Other Materials: SILT
Mat3: 91
Other Materials: WATER-BEARING
Formation Top Depth: 4.27
Formation End Depth: 5.49
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1003611514
Layer: 3
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3: 91
Other Materials: WATER-BEARING
Formation Top Depth: 1.22
Formation End Depth: 3.66
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1003611515
Layer: 4
Color: 6
General Color: BROWN
Mat1: 06
Most Common Material: SILT
Mat2: 28
Other Materials: SAND
Mat3: 11
Other Materials: GRAVEL
Formation Top Depth: 3.66
Formation End Depth: 4.27
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1003611519
Layer: 1
Plug From: 0
Plug To: 3
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID:	
Method Construction Code:	B
Method Construction:	Other Method
Other Method Construction:	HSA

Pipe Information

Pipe ID:	1003611511
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1003611520
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	3.1
Casing Diameter:	5.1
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1003611521
Layer:	1
Slot:	10
Screen Top Depth:	
Screen End Depth:	
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	5.8

Hole Diameter

Hole ID:	1003611518
Diameter:	20
Depth From:	0
Depth To:	6.1
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Bore Hole Information

Bore Hole ID:	1003611453	***Elevation:***	90.917266
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	442316
Code OB Desc:		***North83:***	5012083
Open Hole:		***Org CS:***	UTM83
Cluster Kind:	This is a record from cluster log sheet	***UTMRC:***	4
Date Completed:	8/12/2010	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			

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

Annular Space/Abandonment Sealing Record

Plug ID: 1003611457
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID:
Method Construction Code:
Method Construction:
Other Method Construction: HSA

Pipe Information

Pipe ID: 1003611458
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003611460
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 3.1
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1003611459
Layer:
Slot:
Screen Top Depth: 3.1
Screen End Depth: 6.7
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1003611461
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:

Hole Diameter

Hole ID: 1003611455
Diameter: 20
Depth From:
Depth To: 6.7
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1003611498
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind: This is a record from cluster log sheet
Date Completed: 8/16/2010
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation: 91.096321
Elevrc:
Zone: 18
East83: 442296
North83: 5012279
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1003611502
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID:
Method Construction Code:
Method Construction:
Other Method Construction: HSA

Pipe Information

Pipe ID: 1003611503
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID:	1003611505
Layer:	
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	
Depth To:	3
Casing Diameter:	
Casing Diameter UOM:	
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1003611504
Layer:	
Slot:	
Screen Top Depth:	3
Screen End Depth:	5.4
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID:	1003611506
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:	

Hole Diameter

Hole ID:	1003611500
Diameter:	20
Depth From:	
Depth To:	5.4
Hole Depth UOM:	m
Hole Diameter UOM:	cm

---

15 ***1 of 2*** ***NE/212.5*** ***92.0 / 7.77*** ***lot 13 con 2 NEPEAN ON*** ***WWIS***

Well ID:	7278704	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Test Hole	***Date Received:***	1/10/2017
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Abandoned-Supply	***Abandonment Rec:***	Yes
Water Type:		***Contractor:***	4875

Casing Material:		***Form Version:***	7
Audit No:	Z220194	***Owner:***	
Tag:	A166318	***Street Name:***	3401 GREENBANK RD
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	013
Well Depth:		***Concession:***	02
Overburden/Bedrock:		***Concession Name:***	RF
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:	1006330968	***Elevation:***	93.691032
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	441983
Code OB Desc:		***North83:***	5012061
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	12/5/2016	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006493018
Layer:	1
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	01
Other Materials:	FILL
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006493021
Layer:	4
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	63
Other Materials:	COARSE-GRAINED

Formation Top Depth:	9.5
Formation End Depth:	11
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006493019
Layer:	2
Color:	2
General Color:	GREY
Mat1:	34
Most Common Material:	TILL
Mat2:	13
Other Materials:	BOULDERS
Mat3:	05
Other Materials:	CLAY
Formation Top Depth:	1
Formation End Depth:	7
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006493020
Layer:	3
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	84
Other Materials:	SILTY
Mat3:	
Other Materials:	
Formation Top Depth:	7
Formation End Depth:	9.5
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1006493030
Layer:	1
Plug From:	0
Plug To:	6
Plug Depth UOM:	m

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	1006493016
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006493026
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-0.81
Depth To:	8.04
Casing Diameter:	
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1006493027
Layer:	1
Slot:	25
Screen Top Depth:	8.04
Screen End Depth:	9.26
Screen Material:	8
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID:	1006493017
Pump Set At:	
Static Level:	4.8
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	0
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	N

Hole Diameter

Hole ID:	1006493022
Diameter:	22.86
Depth From:	0
Depth To:	6
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	1006493023
Diameter:	15.58
Depth From:	6
Depth To:	8.04
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	1006493024
Diameter:	12.7
Depth From:	8.04
Depth To:	9.26
Hole Depth UOM:	m
Hole Diameter UOM:	cm

---

15 ***2 of 2*** ***NE/212.5*** ***92.0 / 7.77*** ***lot 12 con 2 Ottawa ON*** ***WWIS***

Well ID:	7298092	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Not Used	***Date Received:***	10/31/2017
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Abandoned-Supply	***Abandonment Rec:***	Yes
Water Type:		***Contractor:***	4875
Casing Material:		***Form Version:***	7
Audit No:	Z252098	***Owner:***	
Tag:	A166318	***Street Name:***	3401 GREENBANK
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	012
Well Depth:		***Concession:***	02
Overburden/Bedrock:		***Concession Name:***	RF
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:	1006785069	***Elevation:***	93.693984
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	441983
Code OB Desc:		***North83:***	5012061
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	6/30/2017	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1006956039
Layer:	1
Plug From:	0
Plug To:	9.26
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID: 1006956040
Layer: 1
Plug From: 0
Plug To: 9.26
Plug Depth UOM: m

Pipe Information

Pipe ID: 1006956030
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006956035
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: 0
Depth To: 8.04
Casing Diameter: 15.88
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1006956036
Layer: 1
Slot: 25
Screen Top Depth: 8.04
Screen End Depth: 9.26
Screen Material: 1
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 13.47

Results of Well Yield Testing

Pump Test ID: 1006956031
Pump Set At:
Static Level: 4.95
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: m
Rate UOM: LPM
Water State After Test Code: 0
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1006956033
Diameter: 15.24
Depth From: 0

Depth To: 9.26
Hole Depth UOM: m
Hole Diameter UOM: cm

---

16 **1 of 1** **NNE/231.9** **91.6 / 7.38** **ON** **BORE**

Borehole ID:	612013	**Inclin FLG:**	No
OGF ID:	215513323	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:		**Municipality:**	
Static Water Level:	0.3	**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.260194
Total Depth m:	-999	**Longitude DD:**	-75.740645
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	441891
Drill Method:		**Northing:**	5012122
Orig Ground Elev m:	93	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	94.1		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218389813	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	5.8	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Till	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	TILL.		

Geology Stratum ID:	218389814	**Mat Consistency:**	
Top Depth:	5.8	**Material Moisture:**	
Bottom Depth:		**Material Texture:**	
Material Color:	Black	**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Limestone	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BEDROCK,LIMESTONE. WATER STABLE AT 304.0 FEET.TE,SAND. BLACK. 00080CK. SEISMIC VELOCITY = **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	M	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 045210 NTS_Sheet: 31G05B		
Confiden 1:	Reliable information but incomplete.		

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

Source List

Source Identifier:	1	***Horizontal Datum:***	NAD27
Source Type:	Data Survey	***Vertical Datum:***	Mean Average Sea Level
Source Date:	1956-1972	***Projection Name:***	Universal Transverse Mercator
Scale or Resolution:	Varies		
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Originators:	Geological Survey of Canada		

17	***1 of 1***	***NE/233.9***	***91.9 / 7.76***	***lot 12 con 2 ON***	***WWIS***

Well ID:	1509671	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	6/13/1968
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1503
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	012
Well Depth:		***Concession:***	02
Overburden/Bedrock:		***Concession Name:***	RF
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:	10031703	***Elevation:***	93.737586
DP2BR:	35	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	441990.7
Code OB Desc:	Bedrock	***North83:***	5012082
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	5/15/1968	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931012744
Layer:	2
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	

Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 12
Formation End Depth: 26
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931012747
Layer: 5
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 35
Formation End Depth: 169
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931012746
Layer: 4
Color:
General Color:
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Other Materials: BOULDERS
Mat3:
Other Materials:
Formation Top Depth: 33
Formation End Depth: 35
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931012745
Layer: 3
Color:
General Color:
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 26
Formation End Depth: 33
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931012743

Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 13
Other Materials: BOULDERS
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 12
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10580273
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930056043
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 38
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930056044
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 169
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991509671
Pump Set At:
Static Level: 11
Final Level After Pumping: 75
Recommended Pump Depth: 100
Pumping Rate: 7
Flowing Rate:
Recommended Pump Rate: 5

Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Water Details

Water ID:	933464561
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	167
Water Found Depth UOM:	ft

Water Details

Water ID:	933464560
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	145
Water Found Depth UOM:	ft

18 ***1 of 1*** ***NNE/233.9*** ***90.7 / 6.51*** ***NEPEAN ON*** ***WWIS***

Well ID:	7165137	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Domestic	**Date Received:**	7/13/2011
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Alteration	**Abandonment Rec:**	
Water Type:		**Contractor:**	6357
Casing Material:		**Form Version:**	7
Audit No:	Z131380	**Owner:**	
Tag:	A116134	**Street Name:**	3380 GREENBANK RD
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	NEPEAN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1003532660	**Elevation:**	94.552093
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	441914
Code OB Desc:		**North83:**	5012119
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	6/28/2011	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr

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

Annular Space/Abandonment Sealing Record

Plug ID:	1003865542
Layer:	1
Plug From:	0.05
Plug To:	1.3
Plug Depth UOM:	m

Pipe Information

Pipe ID:	1003865533
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1003865537
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	0.5
Depth To:	1.3
Casing Diameter:	15.86
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Casing

Casing ID:	1003865538
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	1.3
Depth To:	
Casing Diameter:	10
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1003865539
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Hole Diameter

Hole ID:	1003865535
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Unplottable Summary

Total: 56 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	Mattamy (Half Moon Bay) Limited		Ottawa ON	
CA	Mattamy (Half Moon Bay) Limited		Ottawa ON	
CA	Mattamy (Half Moon Bay 3) Limited		Ottawa ON	
CA	Mattamy (Half Moon Bay) Limited		Ottawa ON	
CA	NEPEAN CITY	GREENBANK RD.	NEPEAN CITY ON	
CA	ROCKY PANTALONE - WEST END STATION RESTA	PT. LOT 13 & 14 CONC. 2	NEPEAN CITY ON	
CA	Mattamy (Half Moon Bay) Limited		Ottawa ON	
CA	Mattamy (Half Moon Bay 3) Limited	Ref. Plan 5R-1 3009, 5R-1 6254	Ottawa ON	
CA	City of Ottawa	Lot 13	Ottawa ON	
CA	Mattamy (Half Moon Bay) Limited	Geo. Twp. of Nepean	Ottawa ON	
CA	Kinross Court	Part of Lot 13, Concession	Ottawa ON	
CA	CITY	GREENBANK RD./EASEMENT	NEPEAN CITY ON	
CA	CITY	GREENBANK RD./EASEMENT	NEPEAN CITY ON	
CA	South Nepean High School	Part of Lot 13, Concession 2 Rideau Front	Ottawa ON	
CA	South Nepean High School	Part of Lot 13, Concession 2 Rideau Front	Ottawa ON	
CA	Mattamy (Half Moon Bay) Limited	Geo. Twp. of Nepean	Ottawa ON	
CA	Hugh Robert Sparks	Lot 12, Conc. 3, March Tp	Ottawa ON	
CA	Mattamy (Half Moon Bay) Limited		Ottawa ON	

CONV	Mattamy (Half Moon Bay) Limited		Ottawa ON	
ECA	Mattamy (Half Moon Bay) Limited		Ottawa ON	K2K 2M5
ECA	Mattamy (Half Moon Bay) Limited	Part of Lot 11 and 12, Concession 3 (Rideau Front)	Ottawa ON	K2K 2M5
ECA	Mattamy (Half Moon Bay) Limited		Ottawa ON	K2S 1B9
ECA	Mattamy (Half Moon Bay) Limited	Rideau Front, Geographic Township of Nepean	Ottawa ON	K2S 1B9
ECA	Mattamy (Half Moon Bay) Limited		Ottawa ON	K2K 2M5
ECA	Mattamy (Half Moon Bay) Limited	Rideau Front, Geographic Township of Nepean	Ottawa ON	K2S 1B9
ECA	Mattamy (Half Moon Bay 3) Limited		Ottawa ON	K2S 1B9
ECA	Mattamy (Half Moon Bay) Limited		Ottawa ON	K2S 1B9
FST	HYLANDS GOLF CLUB	LOT 13 14 & 15 CON 3	OTTAWA ON	NULL
FST	HYLANDS GOLF CLUB	LOT 13 14 & 15 CON 3	OTTAWA ON	NULL
GEN	NEPEAN HYDRO	BARRHAVEN D.S., GREENBANK ROAD C/O 1970 MERIVALE ROAD	NEPEAN ON	K2C 3G2
GEN	NEPEAN HYDRO 28-588	BARRHAVEN D.S., GREENBANK ROAD C/O 1970 MERIVALE ROAD	NEPEAN ON	K2C 3G2
GEN	IMPERIAL OIL 37-320	LESLIE PARK EAST-GREENBANK RD PL 551284 LT.C NEPEAN C/O 605 INDUSTRIAL AVE.	OTTAWA ON	K1G 3K4
GEN	IMPERIAL OIL	LESLIE PARK EAST-GREENBANK ROAD PLAN 551284, LOT C	NEPEAN ON	
LIMO	The Corporation of the Township of West Carleton Torbolton Township	Lot 12. Concession 2 Ottawa	ON	
PTTW	Mattamy (Half Moon Bay) Limited	Lot: 10-12, Concession: 3, Original Geographic Township of Nepean, City of Ottawa Lot 8-9 and Concession 3, Original Geographic Township of Nepean, City	of Ottawa CITY OF OTTAWA Nepean ON	
PTTW	Mattamy (Half Moon Bay) Limited	Lots 8,9,10,11,12, Concession 3 Ottawa, Ontario CITY OF OTTAWA Nepean	ON	
PTTW	Taggart Construction Limited	Cambrian Road Lot: 11 & 12, Concession: 2, near Greenbank Road (Half Moon Bay (Tamarack)), Ottawa, City + + + + Strandherd Drive Lot: 14 & 15, Concession: 3,	at Fraser-Clark Drain, Ottawa, City CITY OF OTTAWA Nepean ON	
PTTW	Minto Communities Canada Inc.	Lot 12 and 13, Concession 2, Geographic Township: NEPEAN City of Ottawa, Ontario UTM Easting: 442170, UTM Northing: 5012363 NEPEAN	ON	

PTTW	Mattamy (Half Moon Bay) Limited	Lot 11, 12, Concession 3, Ottawa, City CITY OF OTTAWA	ON
SPL	City of Ottawa	Greenbank Rd northbound at Belman Rd (N of Hunt Club)	Ottawa ON
SPL	Clean Water Works Inc.; City of Ottawa	Greenbank Rd	Ottawa ON
SPL	PRIVATE OWNER	JOCK RIVER AT GREENBANK RD. MOTOR VEHICLE (OPERATING FLUID)	NEPEAN CITY ON
WWIS		lot 12 con 2	ON
WWIS		lot 12 con 3	GREELY ON
WWIS		lot 12 con 2	ON
WWIS		con 2	ON
WWIS		lot 12	ON
WWIS		con 2	ON
WWIS		lot 13	ON
WWIS		lot 12	ON
WWIS		lot 13	ON
WWIS		lot 12	ON
WWIS		con 2	ON
WWIS		con 2	ON
WWIS		con 2	ON
WWIS		con 2	ON

Unplottable Report

Site: ***Mattamy (Half Moon Bay) Limited***
Ottawa ON

Database: ***CA***

Certificate #:	0804-89QHMU
Application Year:	2010
Issue Date:	10/4/2010
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***Mattamy (Half Moon Bay) Limited***
Ottawa ON

Database: ***CA***

Certificate #:	2758-7X2KYB
Application Year:	2009
Issue Date:	10/22/2009
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***Mattamy (Half Moon Bay 3) Limited***
Ottawa ON

Database: ***CA***

Certificate #:	2539-8KRPBJ
Application Year:	2011
Issue Date:	8/18/2011
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***Mattamy (Half Moon Bay) Limited***
Ottawa ON

Database: ***CA***

Certificate #:	9696-8ASHGQ
Application Year:	2010

Issue Date: 11/12/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***NEPEAN CITY***
GREENBANK RD. NEPEAN CITY ON

Database: ***CA***

Certificate #: 3-1646-88-
Application Year: 88
Issue Date: 9/15/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***ROCKY PANTALONE - WEST END STATION RESTA***
PT. LOT 13 & 14 CONC. 2 NEPEAN CITY ON

Database: ***CA***

Certificate #: 8-4088-96-
Application Year: 96
Issue Date: 4/10/1996
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: KITCHEN EXHAUST FOR RESTAURANT
Contaminants:
Emission Control:

Site: ***Mattamy (Half Moon Bay) Limited***
Ottawa ON

Database: ***CA***

Certificate #: 4308-7GZQPE
Application Year: 2008
Issue Date: 8/21/2008
Approval Type: Municipal and Private Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Mattamy (Half Moon Bay 3) Limited***
Ref. Plan 5R-1 3009, 5R-1 6254 Ottawa ON

Database: ***CA***

Certificate #: 0173-8GBHW6
Application Year: 2011
Issue Date: 4/29/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***City of Ottawa***
Lot 13 Ottawa ON

Database: ***CA***

Certificate #: 3399-6BVHAA
Application Year: 2005
Issue Date: 6/10/2005
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Mattamy (Half Moon Bay) Limited***
Geo. Twp. of Nepean Ottawa ON

Database: ***CA***

Certificate #: 8279-7XBM9P
Application Year: 2009
Issue Date: 11/9/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Kinross Court***
Part of Lot 13, Concession Ottawa ON

Database: ***CA***

Certificate #: 0660-53CRDY
Application Year: 01
Issue Date: 10/11/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Tenth Line Development Inc.
Client Address: 210 Gladstone Avenue, Suite 2001
Client City: Ottawa
Client Postal Code: K2P 0Y6
Project Description: Storm sewer construction.

Contaminants:
Emission Control:

Site: ***CITY***
GREENBANK RD./EASEMENT NEPEAN CITY ON

Database: ***CA***

Certificate #: 3-0235-85-006
Application Year: 85
Issue Date: 4/2/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***CITY***
GREENBANK RD./EASEMENT NEPEAN CITY ON

Database: ***CA***

Certificate #: 3-0207-85-006
Application Year: 85
Issue Date: 3/21/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***South Nepean High School***
Part of Lot 13, Concession 2 Rideau Front Ottawa ON

Database: ***CA***

Certificate #: 2054-57GJUQ
Application Year: 02
Issue Date: 2/20/02
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Ottawa carleton Catholic School Board
Client Address: 1224 Main St.
Client City: Stittsville
Client Postal Code: K2S 1B2
Project Description: On-site storm drainage system with an off-site drainage swale forming a stormwater management system.
Contaminants:
Emission Control:

Site: ***South Nepean High School***
Part of Lot 13, Concession 2 Rideau Front Ottawa ON

Database: ***CA***

Certificate #: 5530-56PKWF
Application Year: 02
Issue Date: 3/8/02
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval

Client Name: Ottawa carleton Catholic School Board
Client Address: 1224 Main St.
Client City: Stittsville
Client Postal Code: K2S 1B2
Project Description: Sanitary sewer collection system, sewage pumping station, sanitary forcemain and sanitary sewer construction
Contaminants:
Emission Control:

Site: ***Mattamy (Half Moon Bay) Limited***
Geo. Twp. of Nepean Ottawa ON

Database: ***CA***

Certificate #: 7789-7T4L5U
Application Year: 2009
Issue Date: 6/17/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

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

Database: ***CA***

Certificate #: 7694-6AHJ4J
Application Year: 2005
Issue Date: 3/17/2005
Approval Type: Waste Management Systems
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Mattamy (Half Moon Bay) Limited***
Ottawa ON

Database: ***CA***

Certificate #: 9531-7EZK5S
Application Year: 2008
Issue Date: 6/5/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Mattamy (Half Moon Bay) Limited***
Ottawa ON

Database: ***CONV***

File No: 073001 ***Location:***

Crown Brief No:
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:
Region:
Ministry District:

Description: On June 24, 2010, Mattamy (Half Moon Bay) Limited was convicted of two violations for operating a waste disposal site without a Certificate of Approval and failing to conduct a waste audit covering the waste. The Court heard that the company is developing a residential housing subdivision known as Half Moon Bay in the City of Ottawa. On March 21, 2009, ministry staff conducted an inspection of the housing development and observed an employee burning wood waste in an open fire pit. The employee indicated it was the company's practice to burn leftover wood materials at the construction site. No approval had been issued by the ministry. In April 2009, ministry staff followed up with the company and inquired whether it had completed a waste audit and learned that it had not. The company completed and provided a final waste audit to the ministry on May 7, 2009. The company was charged following an investigation by the ministry's Investigations and Enforcement Branch. The company was fined $24,000 plus a victim fine surcharge and given 60 days to pay the fine.

Background:
URL:

Additional Details

Publication Date:
Count: 2
Act:
Regulation:
Section:
Act/Regulation/Section:
Date of Offence:
Date of Conviction:
Date Charged: June 24, 2010
Charge Disposition: fine, victim fine surcharge
Fine: $24,000
Synopsis:

Site: ***Mattamy (Half Moon Bay) Limited***
Ottawa ON K2K 2M5

Database: ***ECA***

Approval No: 3263-BKWJW9
Approval Date: 2020-01-28
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7762-BKGSBE-14.pdf

MOE District:
City:
Longitude:
Latitude:
Geometry X: -8432476.3632
Geometry Y: 5661347.138499998

Site: ***Mattamy (Half Moon Bay) Limited***
Part of Lot 11 and 12, Concession 3 (Rideau Front) Ottawa ON K2K 2M5

Database: ***ECA***

Approval No: 8294-AWMJGE
Approval Date: 2018-03-09
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: Part of Lot 11 and 12, Concession 3 (Rideau Front)
Full Address:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/0576-AW2MCL-14.pdf

---

Site: ***Mattamy (Half Moon Bay) Limited***
Ottawa ON K2S 1B9

Database: ***ECA***

Approval No:	6310-7EVLSJ	***MOE District:***	
Approval Date:	2008-05-23	***City:***	
Status:	Revoked and/or Replaced	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-Municipal Drinking Water Systems		
Project Type:	Municipal Drinking Water Systems		
Address:			
Full Address:			
Full PDF Link:			

Site: ***Mattamy (Half Moon Bay) Limited***
Rideau Front, Geographic Township of Nepean Ottawa ON K2S 1B9

Database: ***ECA***

Approval No:	4522-7FBRPC	***MOE District:***	
Approval Date:	2008-06-13	***City:***	
Status:	Revoked and/or Replaced	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	Rideau Front, Geographic Township of Nepean		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/0088-7F4LRQ-14.pdf		

Site: ***Mattamy (Half Moon Bay) Limited***
Ottawa ON K2K 2M5

Database: ***ECA***

Approval No:	3997-BF2GWX	***MOE District:***	
Approval Date:	2019-08-16	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	-8432475.9179
SWP Area Name:		***Geometry Y:***	5661347.138499998
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/7167-BEKRBP-14.pdf		

Site: ***Mattamy (Half Moon Bay) Limited***
Rideau Front, Geographic Township of Nepean Ottawa ON K2S 1B9

Database: ***ECA***

Approval No:	6638-7FQSS8	***MOE District:***	
Approval Date:	2008-07-11	***City:***	
Status:	Revoked and/or Replaced	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	Rideau Front, Geographic Township of Nepean		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/0913-7FQQC5-14.pdf		

Site: ***Mattamy (Half Moon Bay 3) Limited***
Ottawa ON K2S 1B9

Database: ***ECA***

Approval No:	2539-8KRPBJ	***MOE District:***	
Approval Date:	2011-08-18	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/2386-8KKHNH-14.pdf		

Site: ***Mattamy (Half Moon Bay) Limited***
Ottawa ON K2S 1B9

Database: ***ECA***

Approval No:	9531-7EZK5S	***MOE District:***	
Approval Date:	2008-06-05	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/9564-7EPREX-14.pdf		

Site: ***HYLANDS GOLF CLUB***
LOT 13 14 & 15 CON 3 OTTAWA ON NULL

Database: ***FST***

Instance No:	10904209
Cont Name:	
Instance Type:	FS Liquid Fuel Tank
Fuel Type:	Diesel
Status:	Active
Capacity:	4540
Tank Material:	Steel
Corrosion Protection:	Impressed Current
Tank Type:	Single Wall UST
Install Year:	1990
Parent Facility Type:	Fuels Safety Private Fuel Outlet - Self Serve
Facility Type:	FS Liquid Fuel Tank

Site: ***HYLANDS GOLF CLUB***
LOT 13 14 & 15 CON 3 OTTAWA ON NULL

Database: ***FST***

Instance No:	10904186
Cont Name:	
Instance Type:	FS Liquid Fuel Tank
Fuel Type:	Gasoline
Status:	Active
Capacity:	10000
Tank Material:	Steel
Corrosion Protection:	Impressed Current
Tank Type:	Single Wall UST
Install Year:	1990
Parent Facility Type:	Fuels Safety Private Fuel Outlet - Self Serve
Facility Type:	FS Liquid Fuel Tank

Site: ***NEPEAN HYDRO***

Database: ***GEN***

BARRHAVEN D.S., GREENBANK ROAD C/O 1970 MERIVALE ROAD NEPEAN ON K2C 3G2

Generator No:	ON0453105	***PO Box No:***	
Status:		***Country:***	
Approval Years:	89,90	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:	4911		
SIC Description:	ELECT. POWER SYS.		

Detail(s)

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Site: ***NEPEAN HYDRO 28-588*** ***Database:*** ***GEN***
BARRHAVEN D.S., GREENBANK ROAD C/O 1970 MERIVALE ROAD NEPEAN ON K2C 3G2

Generator No:	ON0453105	***PO Box No:***	
Status:		***Country:***	
Approval Years:	92,93,94,95,96,97,98	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:	4911		
SIC Description:	ELECT. POWER SYS.		

Detail(s)

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Site: ***IMPERIAL OIL 37-320*** ***Database:*** ***GEN***
LESLIE PARK EAST-GREENBANK RD PL 551284 LT.C NEPEAN C/O 605 INDUSTRIAL AVE. OTTAWA ON K1G 3K4

Generator No:	ON1315711	***PO Box No:***	
Status:		***Country:***	
Approval Years:	94,95,96	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:	5111		
SIC Description:	PETROLEUM PROD., WH.		

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Site: ***IMPERIAL OIL*** ***Database:*** ***GEN***
LESLIE PARK EAST-GREENBANK ROAD PLAN 551284, LOT C NEPEAN ON

Generator No:	ON1315711	***PO Box No:***	
Status:		***Country:***	
Approval Years:	92,93,97,98,99,00,01	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:	5111		
SIC Description:	PETROLEUM PROD., WH.		

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Site: ***The Corporation of the Township of West Carleton Torbolton Township***
Lot 12. Concession 2 Ottawa ON

Database: ***LIMO***

ECA/Instrument No: A461006
Oper Status 2016: Closed
C of A Issue Date:
C of A Issued to:
Lndfl Gas Mgmt (P):
Lndfl Gas Mgmt (F):
Lndfl Gas Mgmt (E):
Lndfl Gas Mgmt Sys:
Landfill Gas Mntr:
Leachate Coll Sys:
ERC Est Vol (m3):
ERC Volume Unit:
ERC Dt Last Det:
Landfill Type:
Source File Type:
Fill Rate:
Fill Rate Unit:
Tot Fill Area (ha):
Tot Site Area (ha):
Footprint:
Tot Apprv Cap (m3):
Contam Atten Zone:
Grndwtr Mntr:
Surf Wtr Mntr:
Air Emis Monitor:
Approved Waste Type:
Client Site Name:
ERC Methodology:
Site Name: The Corporation of the Township of West Carleton Torbolton Township
Site Location Details:
Service Area:
Page URL:

Natural Attenuation:
Liners:
Cover Material:
Leachate Off-Site:
Leachate On Site:
Req Coll Lndfll Gas:
Lndfll Gas Coll:
Total Waste Rec:
TWR Methodology:
TWR Unit:
Tot Aprv Cap Unit:
Financial Assurance:
Last Report Year:
MOE Region:
MOE District:
Site County:
Lot:
Concession:
Latitude:
Longitude:
Easting:
Northing:
UTM Zone:
Data Source:

Site: ***Mattamy (Half Moon Bay) Limited***
Lot: 10-12, Concession: 3, Original Geographic Township of Nepean, City of Ottawa Lot 8-9 and Concession 3, Original Geographic Township of Nepean, City of Ottawa CITY OF OTTAWA Nepean ON

Database: ***PTTW***

EBR Registry No: 012-5618
Ministry Ref No: 6071-A3PQPJ
Notice Type: Instrument Decision
Notice Stage:
Notice Date: February 01, 2016
Proposal Date: November 03, 2015
Year: 2015
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Mattamy (Half Moon Bay) Limited
Site Address:
Location Other:
Proponent Name:
Proponent Address: 2360 Bristol Circle, Oakville Ontario, Canada L6H 6M5
Comment Period:
URL:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

Lot: 10-12, Concession: 3, Original Geographic Township of Nepean, City of Ottawa Lot 8-9 and Concession 3, Original Geographic Township of Nepean, City of Ottawa CITY OF OTTAWA Nepean

Site: ***Mattamy (Half Moon Bay) Limited***
Lots 8,9,10,11,12, Concession 3 Ottawa, Ontario CITY OF OTTAWA Nepean ON

Database: ***PTTW***

EBR Registry No:	010-4784	***Decision Posted:***	
Ministry Ref No:	6623-7JUKMA	***Exception Posted:***	
Notice Type:	Instrument Decision	***Section:***	
Notice Stage:		***Act 1:***	
Notice Date:	April 29, 2009	***Act 2:***	
Proposal Date:	October 08, 2008	***Site Location Map:***	
Year:	2008		
Instrument Type:	(OWRA s. 34) - Permit to Take Water		
Off Instrument Name:			
Posted By:			
Company Name:	Mattamy (Half Moon Bay) Limited		
Site Address:			
Location Other:			
Proponent Name:			
Proponent Address:	123 Huntmar Drive, Ottawa Ontario, Canada K2S 1B9		
Comment Period:			
URL:			

Site Location Details:

Lots 8,9,10,11,12, Concession 3 Ottawa, Ontario CITY OF OTTAWA Nepean

Site: ***Taggart Construction Limited***
Cambrian Road Lot: 11 & 12, Concession: 2, near Greenbank Road (Half Moon Bay (Tamarack)), Ottawa, City + + + + Strandherd Drive Lot: 14 & 15, Concession: 3, at Fraser-Clark Drain, Ottawa, City CITY OF OTTAWA Nepean ON

Database: ***PTTW***

EBR Registry No:	010-3795	***Decision Posted:***	
Ministry Ref No:	1231-7FFJA4	***Exception Posted:***	
Notice Type:	Instrument Decision	***Section:***	
Notice Stage:		***Act 1:***	
Notice Date:	April 28, 2009	***Act 2:***	
Proposal Date:	June 20, 2008	***Site Location Map:***	
Year:	2008		
Instrument Type:	(OWRA s. 34) - Permit to Take Water		
Off Instrument Name:			
Posted By:			
Company Name:	Taggart Construction Limited		
Site Address:			
Location Other:			
Proponent Name:			
Proponent Address:	3187 Albion Rd S, Ottawa Ontario, K1V 8Y3		
Comment Period:			
URL:			

Site Location Details:

Cambrian Road Lot: 11 & 12, Concession: 2, near Greenbank Road (Half Moon Bay (Tamarack)), Ottawa, City + + + + Strandherd Drive Lot: 14 & 15, Concession: 3, at Fraser-Clark Drain, Ottawa, City CITY OF OTTAWA Nepean

Site: ***Minto Communities Canada Inc.***
Lot 12 and 13, Concession 2, Geographic Township: NEPEAN City of Ottawa, Ontario UTM Easting: 442170, UTM Northing: 5012363 NEPEAN ON

Database: ***PTTW***

EBR Registry No:	013-2921	***Decision Posted:***	442170
Ministry Ref No:	3551-AY8R3T	***Exception Posted:***	
Notice Type:	Instrument Decision	***Section:***	
Notice Stage:		***Act 1:***	5012363
Notice Date:	September 19, 2018	***Act 2:***	
Proposal Date:	May 02, 2018	***Site Location Map:***	

Year: 2018
Instrument Type: Permit to Take Water - OWRA s. 34
Off Instrument Name:
Posted By:
Company Name: Minto Communities Canada Inc.(OWRA s. 34) - Permit to Take Water
Site Address:
Location Other:
Proponent Name: Minto Communities Canada Inc.
Proponent Address: 180 Kent Street
Ottawa Ontario
Canada K1P 0B6
Comment Period:
URL: http://www.ebr.gov.on.ca/ERS-WEB-External/displaynoticecontent.do?noticeId=MTM1MjUx&statusId=MjA3Mzg1&language=en

Site Location Details:

Lot 12 and 13, Concession 2, Geographic Township: NEPEAN

City of Ottawa, Ontario

UTM Easting: 442170, UTM Northing: 5012363
NEPEAN

Site: ***Mattamy (Half Moon Bay) Limited***
Lot 11, 12, Concession 3, Ottawa, City CITY OF OTTAWA ON

Database: ***PTTW***

EBR Registry No: 010-5959
Ministry Ref No: 8783-7PCUC4
Notice Type: Instrument Decision
Notice Stage:
Notice Date: June 26, 2009
Proposal Date: February 20, 2009
Year: 2009
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Mattamy (Half Moon Bay) Limited
Site Address:
Location Other:
Proponent Name:
Proponent Address: 123 Huntmar Drive, Ottawa Ontario, Canada K2S 1B9
Comment Period:
URL:
Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

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

Site: ***City of Ottawa***
Greenbank Rd northbound at Belman Rd (N of Hunt Club) Ottawa ON

Database: ***SPL***

Ref No: 8317-8PB698
Site No:
Incident Dt: 12/6/2011
Year:
Incident Cause:
Incident Event:
Contaminant Code: 27
Contaminant Name: COOLANT (N.O.S.)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Not Anticipated
Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address: Greenbank Rd northbound at Belman Rd (N of Hunt Club)
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: Ottawa

Nature of Impact:		***Site Lot:***	
Receiving Medium:	Sewage - Municipal/Private and Commercial	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	No Field Response	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	12/6/2011	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Land Spills
Incident Reason:		***Source Type:***	
Site Name:	Storm CB<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	OC Transpo- coolant to CB		
Contaminant Qty:	40 L		

Site: ***Clean Water Works Inc.; City of Ottawa***
Greenbank Rd Ottawa ON

Database: ***SPL***

Ref No:	8678-9X4KTE	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	6/2/2015	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Unknown / N/A	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:	27	***Nearest Watercourse:***	
Contaminant Name:	OIL ADDITIVES	***Site Address:***	Greenbank Rd
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:		***Site Municipality:***	Ottawa
Nature of Impact:	Land	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	N	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	6/2/2015	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Land Spills
Incident Reason:	Unknown / N/A	***Source Type:***	
Site Name:	Gas line <UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	2000L oily substance in excavated pit		
Contaminant Qty:	2000 L		

Site: ***PRIVATE OWNER***
JOCK RIVER AT GREENBANK RD. MOTOR VEHICLE (OPERATING FLUID) NEPEAN CITY ON

Database: ***SPL***

Ref No:	25410	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	9/16/1989	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	OTHER TRANSPORTATION ACCIDENT	***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:		***Site Municipality:***	20104
Nature of Impact:		***Site Lot:***	
Receiving Medium:	WATER	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	9/16/1989	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	ERROR	***Source Type:***	
Site Name:			

Site County/District:
Site Geo Ref Meth:
Incident Summary: MOTORIST DROVE CAR INTO JOCK RIVER - 10 L GAS & MOTOR OIL TO RIVER.
Contaminant Qty:

Site:
lot 12 con 2 ON

Database: ***WWIS***

Well ID: 1531209
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 208600
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: 1
Date Received: 7/17/2000
Selected Flag: Yes
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 012
Concession: 02
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10052743
DP2BR:
Spatial Status:
Code OB: _
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 6/8/2000
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10601313
Casing No: 1
Comment:
Alt Name:

Results of Well Yield Testing

Pump Test ID: 991531209

Pump Set At:	
Static Level:	23
Final Level After Pumping:	75
Recommended Pump Depth:	100
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934396582
Test Type:	Draw Down
Test Duration:	30
Test Level:	125
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934665308
Test Type:	Draw Down
Test Duration:	45
Test Level:	125
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934121171
Test Type:	Draw Down
Test Duration:	15
Test Level:	125
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934913853
Test Type:	Draw Down
Test Duration:	60
Test Level:	125
Test Level UOM:	ft

Site:
lot 12 con 3 GREELY ON

Database:
WWIS

Well ID:	7045740	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Domestic	***Date Received:***	6/28/2007
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Test Hole	***Abandonment Rec:***	
Water Type:		***Contractor:***	1119
Casing Material:		***Form Version:***	3
Audit No:	Z64742	***Owner:***	
Tag:	A052502	***Street Name:***	1934 STAGECOACH
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OSGOODE TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	012
Well Depth:		***Concession:***	03
Overburden/Bedrock:		***Concession Name:***	

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: 11768260
DP2BR: 19
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 2/9/2007
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 933106528
Layer: 4
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 22.86
Formation End Depth: 24.38
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 933106526
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 5.79
Formation End Depth: 15.24
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 933106527
Layer: 3
Color:
General Color:
Mat1: 18

Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 15.24
Formation End Depth: 22.86
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 933106525
Layer: 1
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 5.79
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 933106530
Layer: 6
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 42.67
Formation End Depth: 48.77
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 933106529
Layer: 5
Color:
General Color:
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 24.38
Formation End Depth: 42.67
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 933322350
Layer: 1
Plug From: 7.92

Plug To: 4.88
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 933322351
Layer: 2
Plug From: 4.88
Plug To: 0
Plug Depth UOM: m

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 11775950
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930901845
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From: 7.92
Depth To: 48.77
Casing Diameter:
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Casing

Casing ID: 930901844
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: 0
Depth To: 8.53
Casing Diameter: 15.88
Casing Diameter UOM: cm
Casing Depth UOM: m

Results of Well Yield Testing

Pump Test ID: 11779669
Pump Set At: 45.72
Static Level: 3.99
Final Level After Pumping: 9.71
Recommended Pump Depth: 45.72
Pumping Rate: 22.71
Flowing Rate:
Recommended Pump Rate: 22.71
Levels UOM: m
Rate UOM: LPM
Water State After Test Code: 2
Water State After Test: CLOUDY

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

Draw Down & Recovery

Pump Test Detail ID: 11836350
Test Type: Draw Down
Test Duration: 1
Test Level: 5.18
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11836359
Test Type: Recovery
Test Duration: 5
Test Level: 5.49
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11836360
Test Type: Draw Down
Test Duration: 10
Test Level: 7.63
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11836365
Test Type: Recovery
Test Duration: 20
Test Level: 4.19
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11836367
Test Type: Recovery
Test Duration: 25
Test Level: 4.04
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11836358
Test Type: Draw Down
Test Duration: 5
Test Level: 6.67
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11836361
Test Type: Recovery
Test Duration: 10
Test Level: 4.73
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11836362
Test Type: Draw Down
Test Duration: 15
Test Level: 8.04
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11836370
Test Type: Draw Down
Test Duration: 40
Test Level: 9.07
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11836372
Test Type: Draw Down
Test Duration: 60
Test Level: 9.71
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11836351
Test Type: Recovery
Test Duration: 1
Test Level: 7
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11836355
Test Type: Recovery
Test Duration: 3
Test Level: 6
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11836363
Test Type: Recovery
Test Duration: 15
Test Level: 4.48
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11836368
Test Type: Draw Down
Test Duration: 30
Test Level: 8.76
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11836356
Test Type: Draw Down
Test Duration: 4
Test Level: 6.38
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11836371
Test Type: Draw Down
Test Duration: 50
Test Level: 9.38
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11836364
Test Type: Draw Down
Test Duration: 20
Test Level: 8.45
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11836366
Test Type: Draw Down
Test Duration: 25
Test Level: 8.6
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11836353
Test Type: Recovery
Test Duration: 2
Test Level: 6.4
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11836352
Test Type: Draw Down
Test Duration: 2
Test Level: 5.58
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11836354
Test Type: Draw Down
Test Duration: 3
Test Level: 6.03
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11836357
Test Type: Recovery
Test Duration: 4
Test Level: 5.75
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11836369
Test Type: Recovery
Test Duration: 30
Test Level: 3.99
Test Level UOM: m

Water Details

Water ID:	934087510
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	41.15
Water Found Depth UOM:	m

Hole Diameter

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

Site:
lot 12 con 2 ON

Database:
WWIS

Well ID:	1531208	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/17/2000
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1558
Casing Material:		***Form Version:***	1
Audit No:	208601	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	012
Well Depth:		***Concession:***	02
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:	10052742	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	p	***East83:***	
Code OB Desc:	Unknown type above a bedrock layer	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	6/8/2000	***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:	931077834
Layer:	2
Color:	2
General Color:	GREY

Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 60
Formation End Depth: 130
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931077833
Layer: 1
Color:
General Color:
Mat1: 00
Most Common Material: UNKNOWN TYPE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 60
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10601312
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930092211
Layer: 1
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: 991531208
Pump Set At:
Static Level: 20
Final Level After Pumping: 60
Recommended Pump Depth: 100
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM

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

Draw Down & Recovery

Pump Test Detail ID: 934665307
Test Type: Draw Down
Test Duration: 45
Test Level: 110
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934396581
Test Type: Draw Down
Test Duration: 30
Test Level: 125
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934913852
Test Type: Draw Down
Test Duration: 60
Test Level: 60
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934121170
Test Type: Draw Down
Test Duration: 15
Test Level: 125
Test Level UOM: ft

Water Details

Water ID: 933491572
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 121
Water Found Depth UOM: ft

Site:
con 2 ON

Database: ***WWIS***

Well ID: 1529561
Construction Date:
Primary Water Use: Commerical
Sec. Water Use: Municipal
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: 169526
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:

Data Entry Status:
Data Src: 1
Date Received: 8/12/1997
Selected Flag: Yes
Abandonment Rec:
Contractor: 6844
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot:
Concession: 02

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

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

Bore Hole Information

Bore Hole ID: 10051096
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 2/5/1997
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931073140
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 81
Other Materials: SANDY
Mat3: 01
Other Materials: FILL
Formation Top Depth: 0
Formation End Depth: 5
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931073141
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Other Materials: STONES
Mat3:
Other Materials:
Formation Top Depth: 5
Formation End Depth: 15
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933114577
Layer: 3
Plug From: 4
Plug To: 15

Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933114576
Layer: 2
Plug From: 2
Plug To: 4
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933114575
Layer: 1
Plug From: 0
Plug To: 2
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10599666
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930089191
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 15
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326720
Layer: 1
Slot: 010
Screen Top Depth: 5
Screen End Depth: 15
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Water Details

Water ID: 933489563
Layer: 1
Kind Code: 5

Kind: Not stated
Water Found Depth: 8
Water Found Depth UOM: ft

Site:
lot 12 ON

Database: ***WWIS***

Well ID: 1535508
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status:
Water Type:
Casing Material:
Audit No: Z17642
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: 5/28/2005
Selected Flag: Yes
Abandonment Rec:
Contractor: 6907
Form Version: 3
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: OTTAWA CITY
Site Info:
Lot: 012
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11316047
DP2BR:
Spatial Status:
Code OB: _
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 5/10/2005
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 11330902
Casing No: 1
Comment:
Alt Name:

Site:
con 2 ON

Database: ***WWIS***

Well ID: 1529562
Construction Date:

Data Entry Status:
Data Src: 1

Primary Water Use:	Commerical	***Date Received:***	8/12/1997
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Observation Wells	***Abandonment Rec:***	
Water Type:		***Contractor:***	6844
Casing Material:		***Form Version:***	1
Audit No:	169530	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	02
Overburden/Bedrock:		***Concession Name:***	OF
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:	10051097	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	2/4/1997	***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:	931073142
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	34
Most Common Material:	TILL
Mat2:	81
Other Materials:	SANDY
Mat3:	11
Other Materials:	GRAVEL
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931073143
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Other Materials:	STONES
Mat3:	
Other Materials:	

Formation Top Depth: 5
Formation End Depth: 10
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933114578
Layer: 1
Plug From: 0
Plug To: 1
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933114579
Layer: 2
Plug From: 1
Plug To: 3
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933114580
Layer: 3
Plug From: 3
Plug To: 10
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10599667
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930089192
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 10
Casing Diameter: 1
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326721
Layer: 1
Slot: 010
Screen Top Depth: 5

Screen End Depth: 10
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 1

Water Details

Water ID: 933489564
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 8
Water Found Depth UOM: ft

Site:
lot 13 ON

Database:
WWIS

Well ID: 1520666
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: NA
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 8/8/1986
Selected Flag: Yes
Abandonment Rec:
Contractor: 1517
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: OTTAWA CITY
Site Info:
Lot: 013
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10042508
DP2BR: 0
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 7/17/1986
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931045467
Layer: 1
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:

Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 75
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933109179
Layer: 1
Plug From: 0
Plug To: 30
Plug Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10591078
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930074202
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 30
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991520666
Pump Set At:
Static Level: 1
Final Level After Pumping: 40
Recommended Pump Depth: 60
Pumping Rate: 20
Flowing Rate:
Recommended Pump Rate: 70
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: N

Draw Down & Recovery

Pump Test Detail ID: 934112552

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

Draw Down & Recovery

Pump Test Detail ID: 934387835
Test Type:
Test Duration: 30
Test Level: 30
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934648438
Test Type:
Test Duration: 45
Test Level: 35
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934907199
Test Type:
Test Duration: 60
Test Level: 40
Test Level UOM: ft

Water Details

Water ID: 933477982
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 72
Water Found Depth UOM: ft

Site:
lot 12 ON

Database:
WWIS

Well ID: 1520054
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 10/2/1985
Selected Flag: Yes
Abandonment Rec:
Contractor: 1505
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 012
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10041904
Elevation:

DP2BR: 60
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 7/8/1985
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931043590
Layer: 2
Color: 6
General Color: BROWN
Mat1: 06
Most Common Material: SILT
Mat2: 28
Other Materials: SAND
Mat3: 79
Other Materials: PACKED
Formation Top Depth: 1
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931043589
Layer: 1
Color: 6
General Color: BROWN
Mat1: 01
Most Common Material: FILL
Mat2: 77
Other Materials: LOOSE
Mat3: 79
Other Materials: PACKED
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931043591
Layer: 3
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 79
Other Materials: PACKED
Mat3:
Other Materials:
Formation Top Depth: 2
Formation End Depth: 14
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931043594
Layer: 6
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 26
Other Materials: ROCK
Mat3: 73
Other Materials: HARD
Formation Top Depth: 68
Formation End Depth: 75
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931043593
Layer: 5
Color: 2
General Color: GREY
Mat1: 26
Most Common Material: ROCK
Mat2: 11
Other Materials: GRAVEL
Mat3: 71
Other Materials: FRACTURED
Formation Top Depth: 60
Formation End Depth: 68
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931043592
Layer: 4
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 13
Other Materials: BOULDERS
Mat3: 60
Other Materials: CEMENTED
Formation Top Depth: 14
Formation End Depth: 60
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10590474
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930073157
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	73
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991520054
Pump Set At:	
Static Level:	0
Final Level After Pumping:	30
Recommended Pump Depth:	35
Pumping Rate:	50
Flowing Rate:	
Recommended Pump Rate:	50
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934376714
Test Type:	
Test Duration:	30
Test Level:	30
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934110332
Test Type:	
Test Duration:	15
Test Level:	30
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934904434
Test Type:	
Test Duration:	60
Test Level:	30
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934655465
Test Type:	
Test Duration:	45
Test Level:	30
Test Level UOM:	ft

Water Details

Water ID:	933477202
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	65
Water Found Depth UOM:	ft

Site:
lot 13 ON

Database:
WWIS

Well ID:	1517753	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	3/18/1982
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1558
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	013
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:	10039625	***Elevation:***	
DP2BR:	75	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	2/23/1982	***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:	931036220
Layer:	3
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	55
Formation End Depth:	75
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID: 931036219
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 5
Formation End Depth: 55
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931036221
Layer: 4
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 75
Formation End Depth: 175
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931036218
Layer: 1
Color: 7
General Color: RED
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 5
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10588195
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930069265
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 76
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930069266
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 175
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991517753
Pump Set At:
Static Level: 50
Final Level After Pumping: 100
Recommended Pump Depth: 165
Pumping Rate: 25
Flowing Rate:
Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934895696
Test Type: Draw Down
Test Duration: 60
Test Level: 100
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934376585
Test Type: Draw Down
Test Duration: 30
Test Level: 100
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934646421
Test Type: Draw Down
Test Duration: 45
Test Level: 100
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934102965
Test Type:	Draw Down
Test Duration:	15
Test Level:	100
Test Level UOM:	ft

Water Details

Water ID:	933474291
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	85
Water Found Depth UOM:	ft

Site:
lot 12 ON

Database:
WWIS

Well ID:	1523196	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:		***Date Received:***	1/9/1989
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:		***Abandonment Rec:***	
Water Type:		***Contractor:***	5222
Casing Material:		***Form Version:***	1
Audit No:	39047	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	012
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:	10044999	***Elevation:***	
DP2BR:	8	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	7/15/1988	***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:	931053866
Layer:	2
Color:	2
General Color:	GREY

Mat1: 15
Most Common Material: LIMESTONE
Mat2: 18
Other Materials: SANDSTONE
Mat3: 73
Other Materials: HARD
Formation Top Depth: 8
Formation End Depth: 78
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931053865
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 01
Other Materials: FILL
Mat3: 79
Other Materials: PACKED
Formation Top Depth: 0
Formation End Depth: 8
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933110155
Layer: 1
Plug From: 0
Plug To: 21
Plug Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10593569
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930078707
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 78
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930078706
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: 991523196
Pump Set At:
Static Level: 8
Final Level After Pumping: 50
Recommended Pump Depth: 50
Pumping Rate: 20
Flowing Rate:
Recommended Pump Rate: 20
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934649580
Test Type: Draw Down
Test Duration: 45
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934388597
Test Type: Draw Down
Test Duration: 30
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934906781
Test Type: Draw Down
Test Duration: 60
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934104365
Test Type: Draw Down
Test Duration: 15
Test Level: 50
Test Level UOM: ft

Water Details

Water ID: 933481372
Layer: 2

Kind Code: 1
Kind: FRESH
Water Found Depth: 56
Water Found Depth UOM: ft

Water Details

Water ID: 933481373
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 72
Water Found Depth UOM: ft

Water Details

Water ID: 933481371
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 40
Water Found Depth UOM: ft

Site:
con 2 ON

Database: ***WWIS***

Well ID: 1529331
Construction Date:
Primary Water Use: Commerical
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: 169510
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: 1
Date Received: 2/14/1997
Selected Flag: Yes
Abandonment Rec:
Contractor: 6844
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot:
Concession: 02
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050867
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 12/18/1996
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931072414
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 02
Other Materials: TOPSOIL
Mat3: 01
Other Materials: FILL
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931072415
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 91
Other Materials: WATER-BEARING
Mat3:
Other Materials:
Formation Top Depth: 2
Formation End Depth: 19
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933114304
Layer: 1
Plug From: 0
Plug To: 5
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933114305
Layer: 2
Plug From: 5
Plug To: 19
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10599437
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930088796
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	
Depth To:	19
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933326679
Layer:	1
Slot:	010
Screen Top Depth:	9
Screen End Depth:	19
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2

Water Details

Water ID:	933489270
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	9
Water Found Depth UOM:	ft

Site:
con 2 ON

Database:
WWIS

Well ID:	1529332	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Commerical	***Date Received:***	2/14/1997
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Observation Wells	***Abandonment Rec:***	
Water Type:		***Contractor:***	6844
Casing Material:		***Form Version:***	1
Audit No:	169509	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	02
Overburden/Bedrock:		***Concession Name:***	OF
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:	10050868	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9

Date Completed: 12/18/1996
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931072417
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 91
Other Materials: WATER-BEARING
Mat3:
Other Materials:
Formation Top Depth: 2
Formation End Depth: 15
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931072416
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 02
Other Materials: TOPSOIL
Mat3: 01
Other Materials: FILL
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933114307
Layer: 2
Plug From: 3
Plug To: 15
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933114306
Layer: 1
Plug From: 0
Plug To: 3
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 6

Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10599438
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930088797
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 15
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326680
Layer: 1
Slot: 010
Screen Top Depth: 5
Screen End Depth: 15
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Water Details

Water ID: 933489271
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 10
Water Found Depth UOM: ft

Site:
con 2 ON

Database: ***WWIS***

Well ID: 1529333
Construction Date:
Primary Water Use: Commerical
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: 169508
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: 1
Date Received: 2/14/1997
Selected Flag: Yes
Abandonment Rec:
Contractor: 6844
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot:
Concession: 02
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10050869	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	12/18/1996	***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:	931072419
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	91
Other Materials:	WATER-BEARING
Mat3:	
Other Materials:	
Formation Top Depth:	5
Formation End Depth:	18
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931072418
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	01
Other Materials:	FILL
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933114310
Layer:	3
Plug From:	7
Plug To:	18
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933114308

Layer: 1
Plug From: 0
Plug To: 5
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933114309
Layer: 2
Plug From: 5
Plug To: 7
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10599439
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930088798
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 18
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326681
Layer: 1
Slot: 010
Screen Top Depth: 8
Screen End Depth: 18
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Water Details

Water ID: 933489272
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 15
Water Found Depth UOM: ft

Site:
con 2 ON

Database:
WWIS

Well ID:	1529560	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Commerical	***Date Received:***	8/12/1997
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Observation Wells	***Abandonment Rec:***	
Water Type:		***Contractor:***	6844
Casing Material:		***Form Version:***	1
Audit No:	169523	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	NEPEAN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	02
Overburden/Bedrock:		***Concession Name:***	OF
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:	10051095	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	3/6/1997	***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:	931073139
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Other Materials:	STONES
Mat3:	
Other Materials:	
Formation Top Depth:	5
Formation End Depth:	12
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931073138
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	81

Other Materials: SANDY
Mat3: 01
Other Materials: FILL
Formation Top Depth: 0
Formation End Depth: 5
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933114574
Layer: 3
Plug From: 5
Plug To: 12
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933114572
Layer: 1
Plug From: 0
Plug To: 3
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933114573
Layer: 2
Plug From: 3
Plug To: 5
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10599665
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930089190
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 12
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326719

Layer:	1
Slot:	010
Screen Top Depth:	8
Screen End Depth:	13
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2

Water Details

Water ID:	933489562
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	8
Water Found Depth UOM:	ft

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ***Note:*** *Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.*

Abandoned Aggregate Inventory: Provincial AAGR

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

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

Government Publication Date: Up to Sep 2019

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites: Private ANDR

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Government Publication Date: 1999-Jan 31, 2020

Borehole: Provincial BORE

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

Government Publication Date: Jan 2004-Dec 2017

Commercial Fuel Oil Tanks: Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.
Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2017

Chemical Register: Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: 1999-Jan 31, 2020

Compressed Natural Gas Stations: Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 2012 - Feb 2020

Inventory of Coal Gasification Plants and Coal Tar Sites: Provincial COAL

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.*

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Nov 2019

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994-Mar 31, 2020

Drill Hole Database: Provincial DRL

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Sep 2019

Environmental Activity and Sector Registry: Provincial EASR

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 2011-Apr 30, 2020

Environmental Registry: Provincial EBR

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

Government Publication Date: 1994-Mar 31, 2020

Environmental Compliance Approval: Provincial ECA

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-Apr 30, 2020

Environmental Effects Monitoring: Federal EEM

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Jan 31, 2020

Environmental Issues Inventory System: Federal EIIS

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report: Provincial EPAR

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2019

List of Expired Fuels Safety Facilities: Provincial EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2017

Federal Convictions: Federal FCON

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: Jun 2000-Nov 2019

Fisheries & Oceans Fuel Tanks: Federal FOFT

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS): Federal FRST

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

Government Publication Date: May 31, 2018

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic: Provincial FSTH

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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

Government Publication Date: 1986-Jan 31, 2020

Greenhouse Gas Emissions from Large Facilities: Federal GHG

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO2 eq).

Government Publication Date: 2013-Dec 2017

TSSA Historic Incidents: Provincial HINC

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

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

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario: Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills will include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Feb 28, 2019

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Jan 2020

National Analysis of Trends in Emergencies System (NATES): Federal NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: Dec 31, 2018

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Dec 31, 2019

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-Feb 29, 2020

Ontario Oil and Gas Wells: Provincial OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Jun 2019

Inventory of PCB Storage Sites: Provincial OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Orders: Provincial ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994-Mar 31, 2020

Canadian Pulp and Paper: Private PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

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

Parks Canada Fuel Storage Tanks: Federal PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: 1988 - Apr 2020

Pipeline Incidents: Provincial PINC

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

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks: Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994-Mar 31, 2020

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-2016

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.
RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Mar 2020

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-Jan 31, 2020

Scott's Manufacturing Directory: Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Government Publication Date: 1988-Aug 2019

Wastewater Discharger Registration Database: Provincial SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-Dec 31, 2017

Anderson's Storage Tanks: Private TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

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

Government Publication Date: 1970-Aug 2018

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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

Government Publication Date: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: Oct 2011-Apr 30, 2020

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Feb 28, 2019

Definitions

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.

Map Key: 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.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

APPENDIX 3

QUALIFICATIONS OF ASSESSORS

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

POSITION

Intermediate Environmental Engineer

EDUCATION

Carleton University
M.A.Sc., Environmental Engineering, 2013
B.Eng., Environmental Engineering, 2008

MEMBERSHIPS & AWARDS

Ontario Professional Engineers Association (EIT)
NSERC Industry R&D Scholarship

EXPERIENCE

2018 – Present
Paterson Group Inc.
Consulting Engineers
Geotechnical and Environmental Division
Environmental Engineer

2014 – 2015
Thurber Engineering Limited
Oil Sand Tailings Group
Tailings Engineer

2009 – 2014
Carleton University
Department of Civil & Environmental Engineering
Research Engineer, Research Assistant & Teaching Assistant

2008 – 2009
SLR Consulting Limited
Contaminated Sites
Junior Environmental Engineer

SELECTED LIST OF PROJECTS

Phase I & II Environmental Site Assessments – NRC, Kingston
Remediation – National Capital Region, Saskatchewan
Multi-lift and dry-stacking pilot programs – Northern Alberta
Polymer amended oil sand tailings – Northern Alberta
Hydraulic cut-off wall – Allen, Saskatchewan
Cemented paste backfill systems – Northern Ontario

Mark S. D'Arcy, P. Eng.

patersongroup

Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

Materials Testing

Building Science

Archaeological Services

POSITION

Associate and Supervisor of the Environmental Division
Senior Environmental/Geotechnical Engineer

EDUCATION

Queen's University, B.A.Sc.Eng, 1991
Geotechnical / Geological Engineering

MEMBERSHIPS

Ottawa Geotechnical Group
Professional Engineers of Ontario

EXPERIENCE

1991 to Present
Paterson Group Inc.
Associate and Senior Environmental/Geotechnical Engineer
Environmental and Geotechnical Division
Supervisor of the Environmental Division

SELECT LIST OF PROJECTS

Mary River Exploration Mine Site - Northern Baffin Island
Agricultural Supply Facilities - Eastern Ontario
Laboratory Facility – Edmonton (Alberta)
Ottawa International Airport - Contaminant Migration Study - Ottawa
Richmond Road Reconstruction - Ottawa
Billings Hurdman Interconnect - Ottawa
Bank Street Reconstruction - Ottawa
Environmental Review – Various Laboratories across Canada - CFIA
Dwyer Hill Training Centre – Ottawa
Nortel Networks Environmental Monitoring - Carling Campus – Ottawa
Remediation Program - Block D Lands – Kingston
Investigation of former landfill sites – City of Ottawa
Record of Site Condition for Railway Lands – North Bay
Commercial Properties – Guelph and Brampton
Brownfields Remediation – Alcan Site - Kingston
Montreal Road Reconstruction - Ottawa
Appleford Street Residential Development - Ottawa
Remediation Program - Ottawa Train Yards
Remediation Program - Bayshore and Heron Gate
Gladstone Avenue Reconstruction – Ottawa
Somerset Avenue West Reconstruction - Ottawa