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August 26, 2020
File: PE4999-LET.01

Richcraft Group of Companies
2280 St. Laurent Boulevard, Suite 201
Ottawa, Ontario
K1G 4K1

Attention: **Mr. Patrick Gaudreault**

Subject: **Phase I - Environmental Site Assessment Update**
Trails Edge – Phase 4 (South)
Ottawa, Ontario

Dear Sir,

Further to your request and authorization, Paterson Group (Paterson) conducted a Phase I – Environmental Site Assessment (Phase I ESA) Update for the aforementioned property. This report updates a previous Phase I ESA, completed by Paterson in February 2015. This letter report is intended to meet the requirements for an updated Phase I ESA, as per Ontario Regulation 153/04, and is to be read in conjunction with the previous 2015 Phase I ESA report.

Site Information

The subject site is located on the north and south sides of Brian Coburn Boulevard, between Mer Bleue Road and Fern Casey Street, in the City of Ottawa, Ontario. The subject site currently consists predominantly of vacant land, with the exception of a small metal workshop building (currently vacant), and a storage shed. These structures are located at 2284 Mer Bleue Road, situated in the eastern portion of the subject site.

Previous Engineering Report

The following report was reviewed prior to conducting this assessment:

- *"Phase I Environmental Site Assessment, East Urban Mixed-Use Community, Ottawa, Ontario"* prepared by Paterson Group and dated February 27, 2015.

According to the findings of the previous 2015 Phase I ESA, three (3) potentially contaminating activities (PCAs), resulting in areas of potential environmental concern (APECs), were identified on the subject site. These APECs include:

- A former metal workshop building situated at 2284 Mer Bleue Road, located in the eastern portion of the subject site;

- The placement of fill material in the area surrounding the former metal workshop, located in the eastern portion of the subject site;

- The placement of fill material in the northeastern portion of the subject site, adjacent to a neighbouring excavation contractor's storage yard.

Several other off-site PCAs were also identified by the Phase I ESA, however, based on their significant distances or their cross-gradient or down-gradient orientation, the uses of these properties were not considered to pose an environmental concern to the subject site.

Based on the findings of the Phase I ESA, Paterson recommended that a Phase II ESA be completed for the subject site to investigate the above noted APECs.

Historical Records Review

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 located outside of this radius are not considered to have had the potential to impact the subject site, based on their significant separation distances.

First Developed Use Determination

Based on a review of available historical information, the subject site has been primarily vacant or used for agricultural purposes. Some of the properties fronting Mer Bleue Road were first developed for residential and/or commercial purposes sometime in the late 1970's or early 1980's.

National Pollutant Release Inventory

A search of the National Pollutant Release Inventory (NPRI) database did not identify any records of pollutant releases pertaining to the subject site or the neighbouring properties.

PCB Waste Storage Site Inventory

A search of the national PCB waste storage site inventory was conducted as part of this assessment. The search did not identify any current or former PCB waste storage sites situated within the Phase I study area.

MECP Coal Gasification Plant Inventory

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

MECP Waste Disposal Site Inventory

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

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry was conducted as part of this assessment. No Records of Site Condition (RSCs) were filed for the subject site or for any properties situated within the Phase I study area.

City of Ottawa Historical Land Use Inventory (HLUI) Database

As part of this assessment, a requisition form was submitted to the City of Ottawa to request information from the City's Historical Land Use Inventory (HLUI 2005) database for any environmental records pertaining to the subject site as well as any properties situated within the Phase I study area.

A response from the City had not been received prior to the issuance of this report, but will be forwarded to the client should it contain any pertinent information.

City of Ottawa Former Landfill Sites

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

ERIS Database Report

A database report, prepared by ERIS (Environmental Risk Information Services) Ltd., dated August 19, 2020, was acquired and reviewed as part of this assessment. The complete ERIS report has been appended to this letter.

- *On-Site Records:*

The ERIS report identified six (6) environmental records pertaining to the subject site. A review of these records did not identify any environmental concerns associated with the subject site.

- *Off-Site Records:*

The ERIS report identified thirty-three (33) environmental records pertaining to properties located within a 300 m radius of the subject site. These off-site records are listed for properties which are situated at a significant distance away, or are situated in a down-gradient or cross-gradient orientation with respect to the subject site, and thus are not considered to pose an environmental concern to the property.

Aerial Photographs

The most recent photograph reviewed in the 2015 Phase I ESA report was taken in 2011. For this update, more recent aerial photographs, taken in 2014 and 2018, were reviewed as part of our assessment.

In the 2014 aerial photograph, no significant changes were apparent with respect to the subject site or the surrounding properties.

In the 2018 aerial photograph, the ground surface within the western portion of the subject site appears to have been reworked in preparation for future development. Brian Coburn Boulevard can be seen in its current configuration.

A copy of the 2014 and 2018 aerial photographs have been appended to this letter.

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 mapping information from NRCAN, the bedrock within the area of the subject site consists of interbedded limestone and shale of the Lindsay Formation, whereas the surficial geology consists of offshore marine deposits (clay and silt) with an overburden thickness ranging from approximately 15 m to 50 m.

Topographic Maps

A topographic map was reviewed from the Natural Resources Canada – The Atlas of Canada website as part of this assessment. The topographic map indicates that the general elevation of the subject site is approximately 85 m above sea level. The regional topography in the general area of the subject site slopes down towards the south, in the direction of Mer Bleue Bog. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this letter.

Physiographic Maps

A physiographic map was reviewed from the Natural Resources Canada – The Atlas of Canada website, as a part of this assessment. According to the publication and mapping information, the subject site is situated within the St. Lawrence Lowlands. According to the description provided: *"The lowlands are plain-like areas that were affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets."* The subject site is specifically located within the Central St. Lawrence Lowland area, which is rarely more than 150 m above sea level.

Water Bodies

No water bodies are present on the subject site or within the Phase I study area. The nearest named water body with respect to the subject site is Mer Bleue Bog, located approximately 2.25 km to the south.

MECP Water Well Records

A search of the MECPs website for all drilled well records within a 250 m radius of the subject site was conducted as part of this assessment. The search did not identify any well records pertaining to the subject site, however, the search did identify ten (10) well records within the Phase I study area. These records pertain to wells installed between 1962 and 2018 and used for domestic household, agricultural, or groundwater observation purposes. It is likely that some of the residential properties adjacent to Mer Bleue Road still utilize private drinking water wells.

According to the well records, the overburden stratigraphy in the area of the subject site generally consists of brown/blue clay, underlain by coarse gravel. Bedrock, consisting of grey limestone, was typically encountered at depths ranging from approximately 10 m to 25 m below ground surface.

OMNRF Areas of Natural and Scientific Interest

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

Personal Interview

Mr. Patrick Gaudreault, a representative with Richcraft Homes, was contacted via email to respond to questions. According to Mr. Gaudreault, the subject site contains numerous soil stockpiles and soil berms, produced as a result of the reworking of the subject site in preparation for future development, as well as locally from the development of the surrounding properties. Mr. Gaudreault was aware of the presence of fill material within the northeastern portion of the subject site, adjacent to the neighbouring excavation contractor's storage yard. Mr. Gaudreault stated that the metal workshop building ceased operations sometime circa 2011, and that the building has been vacant ever since.

Site Reconnaissance

The site inspection was conducted on August 17, 2020, between 9:00 AM and 10:00 AM, by personnel from Paterson's environmental department. In addition to the subject site, the present-day uses of the neighbouring properties within the Phase I study area were also assessed at the time of the site inspection.

Exterior Assessment

Buildings and Structures

The subject site is currently occupied with a one (1) storey, slab-on-grade, former metal workshop building (now currently vacant), as well as a one (1) storey, slab-on-grade, storage shed. These structures are located at 2284 Mer Bleue Road, situated in the eastern portion of the subject site.

The workshop and the storage barn are both finished on the exterior with metal siding and a sloped metal roof. While the workshop is not currently being heated, there does exist an oil-fired furnace system within the building.

Site Description

The subject site consists predominantly of vacant grassland, with the exception of a gravel surfaced area in the vicinity of the vacant workshop building and storage barn. Several large soil berms and stockpiles are present throughout the subject site, however according to our information, this material originated locally from the development of the surrounding properties.

The subject site is considered to be at grade with the adjacent roads as well as the surrounding properties. The site topography is relatively flat, whereas the regional topography slopes very gently down towards the south, in the general direction of Mer Bleue Bog.

Water drainage on the subject site occurs primarily via infiltration throughout the property, as well as via surface run-off towards drainage ditches present along the adjacent roads. No ponded water, stressed vegetation, or any other indications of potential sub-surface contamination were observed on-site at the time of the site inspection.

Potential Environmental Concerns

- **Fuels and Chemical Storage**

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

  Vent and fill pipes were observed to be protruding from the north side of the workshop building, which were later determined to connect to an interior fuel oil AST, discussed further in this letter.

  No hazardous materials, unidentified chemicals, spills, stains, or abnormal odours were on the exterior of the subject site at the time of the site inspection.

- **Waste Management**

  No waste materials are current being generated on the subject site.

- **Polychlorinated Biphenyls (PCBs)**

  No sources of PCBs were observed on the exterior of the subject site at the time of the site inspection.

Interior Assessment

A general description of the interior of the former metal workshop at 2284 Mer Bleue Road is described as follows:

- The floors consist of poured concrete, linoleum flooring, ceramic tile, and carpet;
- The walls consist of drywall and metal;
- The ceilings consist of stipple plaster, drywall, and suspended ceiling tiles;
- Lighting throughout the building is provided by incandescent and fluorescent light fixtures.

Potentially Hazardous Building Materials

❒ **Asbestos Containing Materials (ACMs)**

Based on the age of the former metal workshop (c.1970s/1980's), asbestos containing building materials may be potentially present within the structure. The potential ACMs identified at the time of the site inspection include the linoleum flooring on the second floor, the suspended ceiling tiles in the ground floor bathroom, and the drywall joint compound throughout the building. These materials were generally observed to be in good condition at the time of the site inspection.

❒ **Polychlorinated Biphenyls (PCBs)**

No sources of PCBs were observed within the subject building at the time of the site inspection.

❒ **Lead-Based Paints**

Based on the age of the subject building (c.1970's/1980's), lead-based paints may be present beneath more recent paints, on any original or older painted surfaces. Painted surfaces were generally observed to be in good condition at the time of the site inspection and do not represent an immediate concern.

❒ **Urea Formaldehyde Foam Insulation (UFFI)**

UFFI was not observed within the subject building at the time of the site inspection, however, wall cavities were not inspected for insulation type.

Other Potential Environmental Concerns

❒ **Fuels and Chemical Storage**

One (1) above ground storage tank was identified inside the workshop building at the time of the site inspection. The AST manufacturer's information plaque could not be located on the tank, however it appeared to be constructed with a single 2 mm thick steel wall and contain a capacity for approximately 900-1000 L of fuel oil. The tank was noted to be empty and in good condition, with no signs of leaks or stains observed at the time of the site inspection. The underlying poured concrete floor was also observed to be in good condition, with no cracks or holes visible on the surface. The presence of this AST is not considered to pose an environmental concern to the subject site.

No hazardous materials, unidentified chemicals, spills, stains, or abnormal odours were observed within the workshop building at the time of the site inspection. No environmental concerns were identified with respect to chemical storage practices on the subject site.

- **Wastewater Drainage**

  No wastewater is currently being discharged from the workshop building. Roof drainage from the workshop is discharged into the surrounding gravel areas adjacent to the building. Multiple floor drains were observed within the ground floor of the workshop building, however, access to their interiors were not possible at the time of the site inspection. No environmental concerns were identified with respect to wastewater drainage on the subject site.

- **Ozone Depleting Substances (ODSs)**

  Potential sources of ODSs observed on the subject site include fire extinguishers, and a window mounted air conditioning unit. These appliances appeared to be in good condition at the time of the site inspection and should be regularly serviced by a licensed contractor.

Neighbouring Properties

An inspection of the neighbouring properties was conducted from publicly accessible roadways at the time of the site inspection. Land use adjacent to the subject site was observed as follows:

- *North:* An excavation contractor's storage yard, followed by a hydro corridor, a City of Ottawa snow disposal site, and vacant land;
- *East:* Mer Bleue Road, followed by residential dwellings, an auto service garage, and vacant/agricultural land;
- *West:* Fern Casey Street, followed by residential dwellings;
- *South:* Vacant land.

Based on the presence of multiple aboveground fuel storage tanks, as well as its close proximity, the neighbouring contractor's equipment storage yard is considered to represent an APEC with respect to the northern portion of the subject site.

Based on their separation distances as well as their down-gradient or cross-gradient orientations, the City of Ottawa snow disposal site to the north as well as the auto service garage to the southeast, are not considered pose an environmental concern to the subject site.

Current land use within the Phase I study area is illustrated on Drawing PE4999-2 Surrounding Land Use Plan, appended to this letter.

Review and Evaluation of Information

Land Use History

The following table outlines the current and previous uses of the subject site, as well as any associated potentially contaminating activities, dating back to the first developed use of the property.

Table 1
Land Use History

Time Period	Land Use	PCAs (O.Reg. 153/04 – Table 2)	APEC? (Y/N)
2226 Mer Bleue Road			
c.1976-c.2014	Residential / Agricultural	*"Item 30: Importation of Fill Material of Unknown Quality"*	**Yes**
c.2014-Present	Vacant		
2284 Mer Bleue Road			
c.1979-c.1992	Residential / Commercial	None	No
c.1992-c.2005	Residential / Commercial: *Leblanc Roger Welding Ltd.*	*"Item 30: Importation of Fill Material of Unknown Quality"* *"Item 34: Metal Fabrication"*	**Yes**
c.2005-Present	Vacant	None	No

The presence of fill material of unknown quality, as well as the former use of the building situated at 2284 Mer Bleue Road as a metal workshop, are considered to result in areas of potential environmental concern with respect to the subject site.

Potentially Contaminating Activities (PCAs)

As defined by Table 2 of O.Reg 153/04, four (4) potentially contaminating activities (PCAs) were deemed to result in APECs with respect to the subject site. These PCAs include: the former use of the building situated at 2284 Mer Bleue Road as a metal workshop, the importation of fill material of unknown quality onto the eastern and northeastern portions of the subject site, as well as the neighbouring contractor's equipment storage yard to the north.

Two (2) off-site PCAs were also identified within the Phase I study area, however, based on their separation distances, as well as their down-gradient or cross-gradient orientation, they are not considered to pose an environmental concern to the subject site. No new PCAs were identified within the Phase I study area since the time of the previous 2015 Phase I ESA.

Areas of Potential Environmental Concern (APECs)

The areas of potential environmental concern identified in this Phase I ESA Update are summarized below in Table 2:

Table 2
Areas of Potential Environmental Concern

APEC	Location of APEC	PCA (O. Reg. 153/04 – Table 2)	Location of PCA	Contaminants of Potential Concern	Media Potentially Impacted
APEC #1 Former Welding Workshop	Eastern portion of subject site	*"Item 34: Metal Fabrication"*	On-Site	VOCs PHCs (F_1-F_4) Metals	Soil and/or Groundwater
APEC #2 Fill Material of Unknown Quality	Eastern portion of subject site	*"Item 30: Importation of Fill Material of Unknown Quality"*	On-Site	BTEX PHCs (F_1-F_4) PAHs Metals	Soil (Fill)
APEC #3 Fill Material of Unknown Quality	Northeastern portion of subject site		On-Site	BTEX PHCs (F_1-F_4) PAHs Metals	Soil (Fill)
APEC #4 Contractor's Equipment Storage Yard	Northern portion of subject site	*"Item 28: Gasoline and Associated Products Storage in Fixed Tanks"*	Adjacent to North	BTEX PHCs (F_1-F_4)	Groundwater

All PCAs and APECs identified within the Phase I study area are presented on Drawing PE4999-2 Surrounding Land Use Plan, appended to this letter.

Contaminants of Potential Concern (CPC)

As noted in Table 2, the contaminants of potential concern (CPCs) associated with the aforementioned APECs are considered to be:

- ❒ Volatile Organic Compounds (VOCs);
- ❒ BTEX (benzene, toluene, ethylbenzene, and xylenes);
- ❒ PHCs (petroleum hydrocarbons, fractions F_1-F_4);
- ❒ Polycyclic Aromatic Hydrocarbons (PAHs);
- ❒ Metals (including Mercury and Hexavalent Chromium).

These CPCs have the potential to be present in the soil/fill matrix and/or the groundwater situated beneath the subject site.

Conceptual Site Model

Geological and Hydrogeological Setting

Based on the mapping information from NRCAN, the bedrock within the area of the subject site consists of interbedded limestone and shale of the Lindsay Formation, whereas the surficial geology consists of offshore marine deposits (clay and silt) with an overburden thickness ranging from approximately 15 m to 50 m.

Based on the regional topography, the groundwater is interpreted to be moving in a southerly direction towards Mer Bleue Bog.

Existing Buildings and Structures

The subject site is currently occupied with a one (1) storey, slab-on-grade, former metal workshop building (currently vacant), as well as a storage shed.

Water Bodies and Areas of Natural and Scientific Interest

No areas of natural and scientific interest are known to exist within the Phase I study area. The nearest named water body with respect to the subject site is Mer Bleue Bog, located approximately 2.25 km to the south.

Drinking Water Wells

Based on the available MECP water well records, it is likely that some of the residential properties adjacent to Mer Bleue Road may still utilize private drinking water wells.

Neighbouring Land Use

The neighbouring lands within the Phase I study area consist of residential properties, a contractor's equipment storage yard, and/or vacant land.

Potentially Contaminating Activities and Areas of Potential Environmental Concerns

Based on the findings of this Phase I ESA Update, a total of four (4) potentially contaminating activities (PCAs), resulting in areas of potential environmental concern (APECs), were identified as pertaining to the subject site. These APECs include:

- The former use of the building situated at 2284 Mer Bleue Road as a metal workshop, located within the eastern portion of the subject site;

- The presence of fill material of unknown quality, located within the eastern portion of the subject site, in the vicinity of the former metal workshop at 2282 Mer Bleue Road;
- The presence of fill material of unknown quality, located within the northwestern portion of the subject site.
- The presence of a contractor's equipment storage yard, located immediately to the north of the subject site.

Two (2) off-site PCAs were identified within the Phase I study area, however, based on their separation distances as well as their down-gradient or cross-gradient orientations, they are not considered to have had the potential to impact the subject site.

Contaminants of Potential Concern

The contaminants of potential concern (CPCs) associated with the aforementioned APECs are considered to be:

- Volatile Organic Compounds (VOCs);
- BTEX (benzene, toluene, ethylbenzene, and xylenes);
- PHCs (petroleum hydrocarbons, fractions F_1-F_4);
- Polycyclic Aromatic Hydrocarbons (PAHs);
- Metals (including Mercury and Hexavalent Chromium).

These CPCs have the potential to be present in the soil/fill matrix and/or the groundwater situated beneath the subject site.

Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of this Phase I ESA Update is considered to be sufficient to conclude that there are PCAs and APECs associated with the subject site.

The presence of these PCAs were confirmed by a variety of independent sources, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

Conclusions and Recommendations

A review of more recent historical information, in combination with personal interviews and a site inspection, generally confirmed the findings presented in the previous 2015 Phase I ESA. The subject site has not changed significantly since the time of the previous 2015 Phase I ESA and no new environmental concerns were identified as part of this assessment. It is our opinion that **a Phase II ESA will be required for the subject site.**

Based on the age of the subject building (c.1970's-1980's), asbestos containing building materials may be potentially present within the structure. The potential ACMs identified at the time of the site inspection include the linoleum flooring on the second floor, the suspended ceiling tiles in the ground floor bathroom, and the drywall joint compound throughout the building. These building materials were generally observed to be in good condition at the time of the site inspection and do not pose an immediate concern. An asbestos survey of the building should be conducted in accordance with O.Reg. 278/05, under the Occupational Health and Safety Act, prior to any renovation or demolition activities, if one has not already been conducted.

Based on the age of the subject building (c.1970's/1980's), lead-based paints may be present on any original or older painted surfaces. Painted surfaces were generally observed to be in good condition at the time of the site inspection and do not represent an immediate concern. Major work involving lead-based paint or other lead containing products must be done in accordance with O.Reg. 843, under the Occupational Health and Safety Act.

Statement of Limitations

This Phase I - Environmental Site Assessment (Phase I ESA) Update report has been prepared in general accordance with Ontario Regulation 153/04, as amended, under the Environmental Protection Act. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of this Phase I ESA Update 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.

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

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

We trust that this submission satisfies your current requirements. Should you have any questions, please contact the undersigned.

Regards,

Paterson Group Inc.

Nick Sullivan, B.Sc.

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

Report Distribution:

- ❑ Mr. Patrick Gaudreault
- ❑ Paterson Group

Figures:

- ❑ Figure 1 – Key Plan
- ❑ Figure 2 – Topographic Map
- ❑ Drawing PE4999-1 – Site Plan
- ❑ Drawing PE4999-2 – Surrounding Land Use Plan

Appendix:

- ❑ 2014 & 2018 Aerial Photographs
- ❑ ERIS Database Report

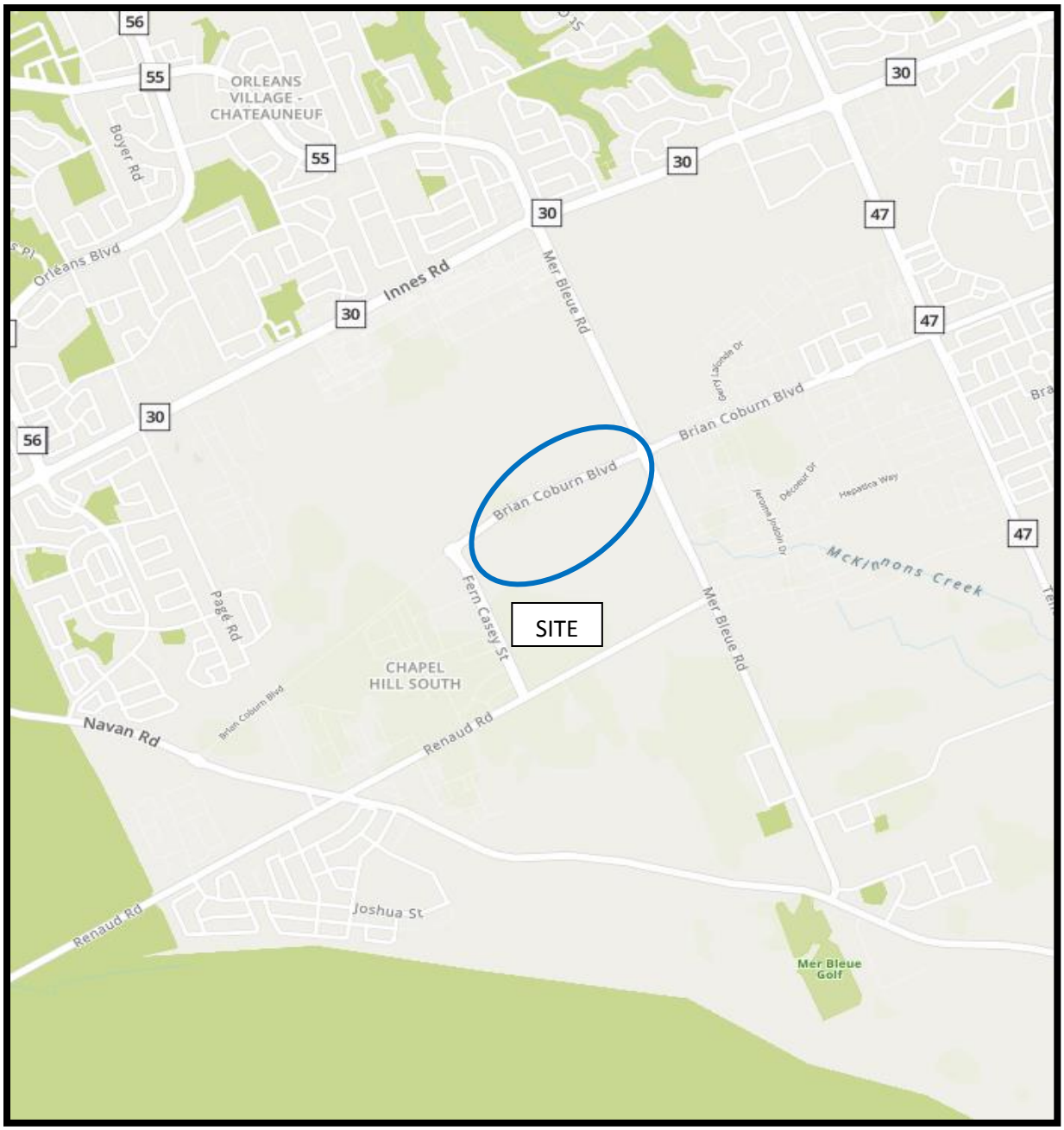

FIGURE 1

KEY PLAN

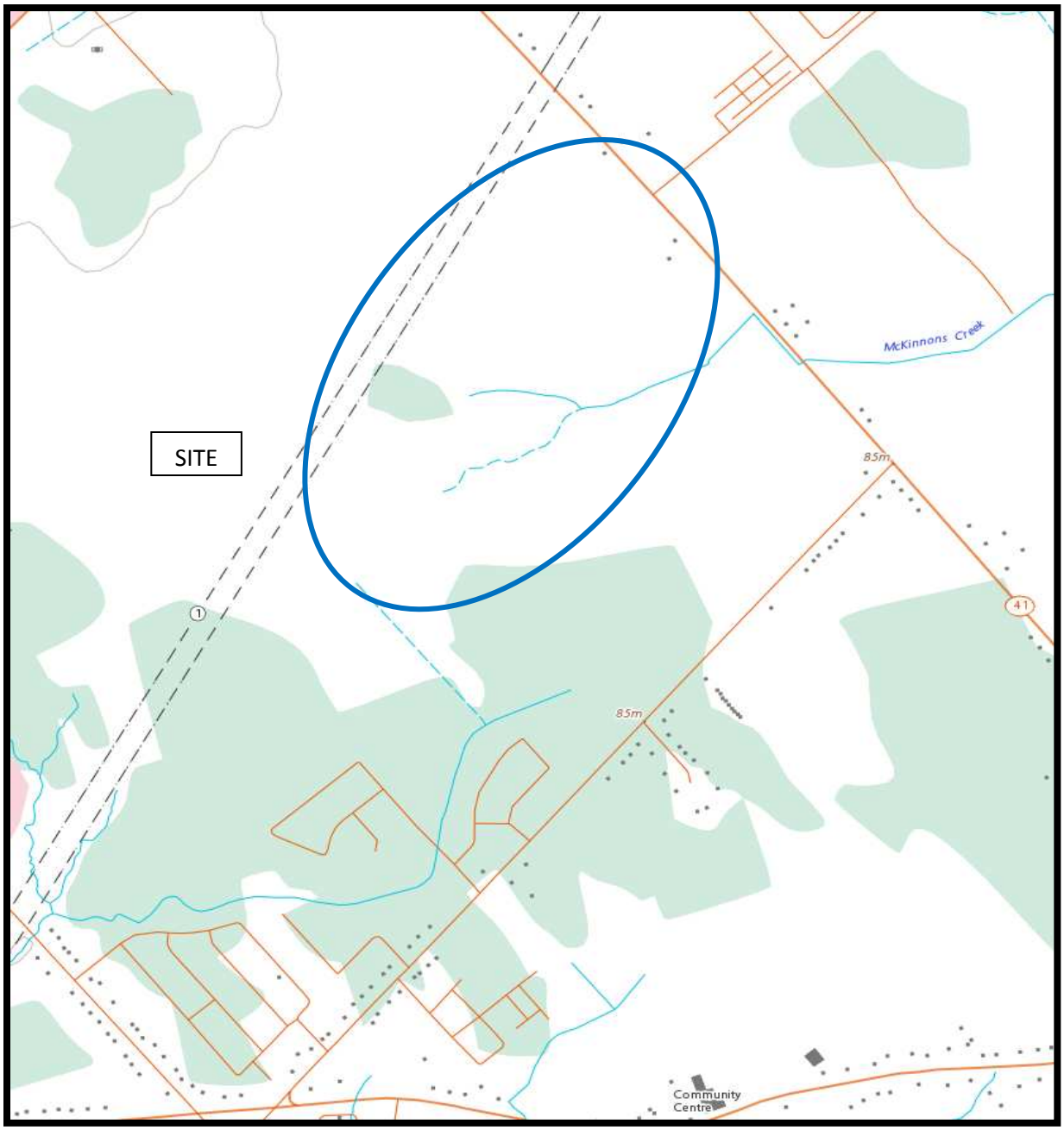

FIGURE 2

TOPOGRAPHIC MAP

3730 INNES ROAD
VACANT

3828 INNES ROAD
VACANT

CITY OF OTTAWA SNOW
DISPOSAL SITE

2220 MER BLEUE RD
EXCAVATION
CONCTRACTOR

APEC 4

APEC 3

2225 MER BLEUE RD
VACANT

HYDRO CORRIDOR

TRAILSEDGE - PHASE 4 (SOUTH)
VACANT

BRIAN COBURN BOULEVARD

STORAGE SHED

APEC 2

APEC 1

FERN CASEY STREET

MER-BLEUE ROAD

2275 MER-BLEUE ROAD
VACANT

TRAILSEDGE - PHASE 4 (SOUTH)
VACANT

FORMER METAL
WORKSHOP

6371 RENAUD ROAD
VACANT

VERGLAS LANE

823-835 COULOIR ROAD
VACANT

18-46 VERGLAS LANE
VACANT

COULOIR ROAD

6429 RENAUD ROAD
VACANT

2284
MER-BLEUE
ROAD
VACANT

AREAS OF POTENTIAL ENVIRONMENTAL CONCERN:

1) FORMER METAL WORKSHOP (ON-SITE)
2) FILL MATERIAL OF UNKNOWN QUALITY (ON-SITE)
3) FILL MATERIAL OF UNKNOWN QUALITY (ON-SITE)
4) CONTRACTOR'S EQUIPMENT STORAGE YARD
(2220 MER BLEUE ROAD)

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NO.	REVISIONS	DATE	INITIAL

RICHCRAFT HOMES LTD.

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
PROPOSED RESIDENTIAL SUBDIVISION DEVELOPMENT
TRAIL'S EDGE - PHASE 4 (SOUTH)

OTTAWA, ONTARIO

Title:

SITE PLAN

Scale: 1:3000	Date: 08/2020
Drawn by: YA	Report No.: PE4999-LET.01
Checked by: NS	Dwg. No.: PE4999-1
Approved by: MSD	Revision No.:

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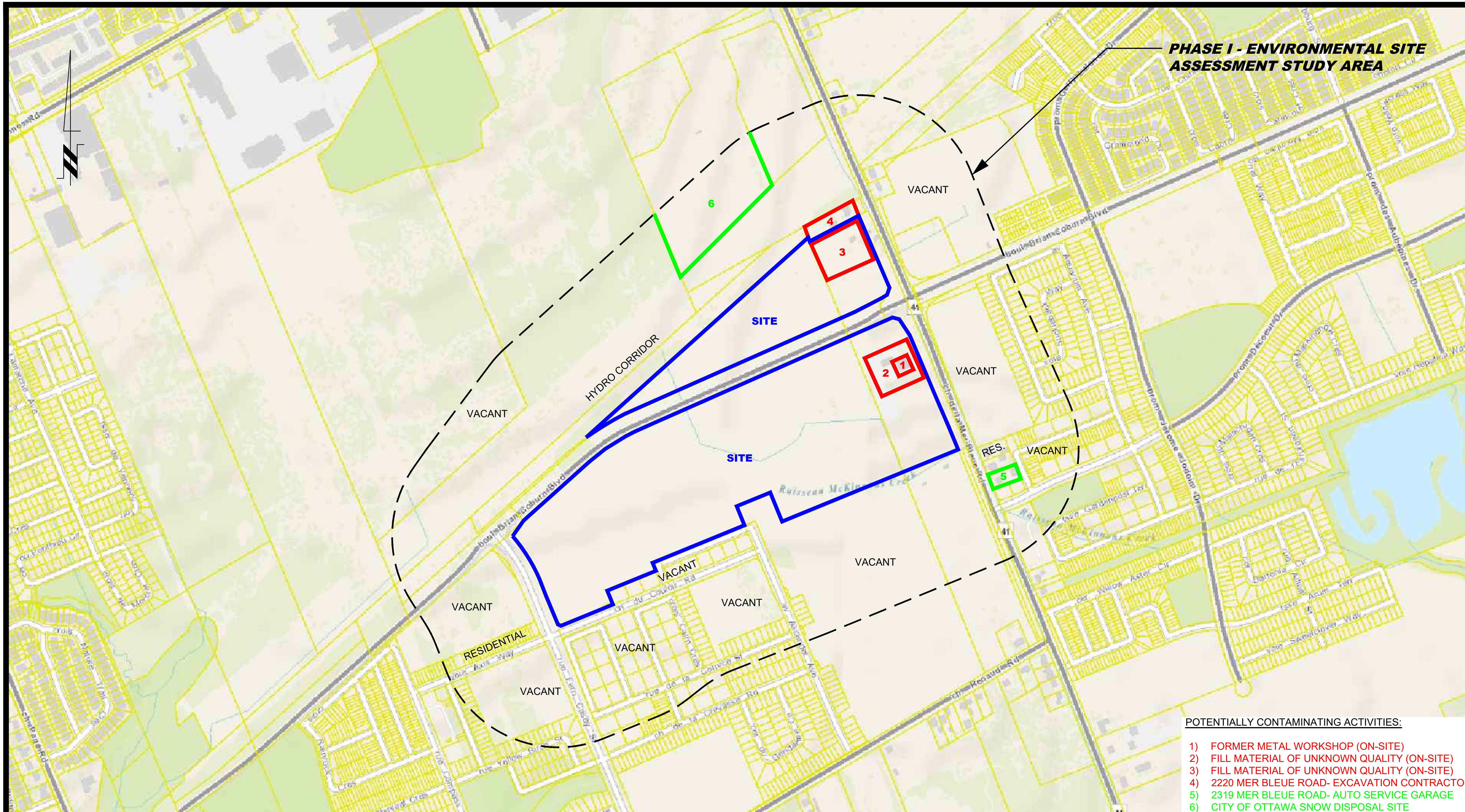

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NO.	REVISIONS	DATE	INITIAL

RICHCRAFT HOMES LTD.
PHASE I - ENVIRONMENTAL SITE ASSESSMENT
PROPOSED RESIDENTIAL SUBDIVISION DEVELOPMENT
TRAIL'S EDGE - PHASE 4 (SOUTH)

OTTAWA, ONTARIO

Title:

SURROUNDING LAND USE PLAN

Scale: 1:7500	Date: 08/2020
Drawn by: YA	Report No.: PE4999-LET.01
Checked by: NS	Dwg. No.: PE4999-2
Approved by: MSD	Revision No.:

p:\autocad drawings\environmental\pe49xx\pe4999\pe4999-2-surrounding land use plan.dwg

AERIAL PHOTOGRAPH
2014

AERIAL PHOTOGRAPH
2018

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*Phase I ESA* *Trails Edge - Phase 4 (South)* *Ottawa ON*
Project No:	*PE4999*
Report Type:	*RSC Report - Quote*
Order No:	*20200814021*
Requested by:	*Paterson Group Inc.*
Date Completed:	*August 19, 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:	*Phase I ESA* *Trails Edge - Phase 4 (South) Ottawa ON*
Project No:	*PE4999*

Order Information:

Order No:	*20200814021*
Date Requested:	*August 14, 2020*
Requested by:	*Paterson Group Inc.*
Report Type:	*RSC Report - Quote*

Historical/Products:

Topographic Map	*RSC Maps*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	1	6	7
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	2	4	6
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	1	6	7
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	1	1
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	Boundary to 0.30km	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	1	1
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	1	1
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	3	3
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	2	11	13
	Total:		6	33	39

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	WWIS		lot 3 con 11 ON ***Well ID:*** 1512856	WSW/0.0	0.73	18
1	WWIS		lot 1 con 3 ON ***Well ID:*** 1519786	NNE/0.0	0.73	20
1	BORE		ON	WSW/0.0	0.73	23
1	ECA	Innes Shopping Centres Limited	Ottawa ON L4K 5X3	NNE/0.0	0.73	24
1	ECA	Innes Shopping Centres Limited	Ottawa ON L4K 5X3	NNE/0.0	0.73	24
1	EHS		Trailsedge - Blocks 193 & 194 Ottawa ON	WSW/0.0	0.73	24

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	ECA	City of Ottawa	Mer Bleue Rd and Brian Coburn Blvd. Ottawa ON K2G 6J8	ENE/30.6	2.69	25
3	WWIS		lot 3 con 11 ON ***Well ID:*** 1519531	E/34.6	1.55	25
4	WWIS		lot 3 con 11 ON ***Well ID:*** 1512855	E/38.3	1.89	28
5	BORE		ON	E/38.4	1.89	30
6	WWIS		lot 2 con 11 ON ***Well ID:*** 7310118	NE/43.4	2.17	31
7	ECA	Richcraft Homes Ltd.	6429 Renaud Rd Part of Lots 2 and 3, Concession 3 (Ottawa Front) Ottawa ON K1G 4K1	S/45.8	-0.05	33
8	EHS		2215 Mer Bleue Ottawa ON	NE/49.9	2.32	34
9	EHS		Chemin Mer Bleue Ottawa ON	N/56.7	1.06	34
10	WWIS		lot 2 con 11 ON ***Well ID:*** 1513953	NE/57.1	1.35	34
11	WWIS		Orl?ans ON ***Well ID:*** 7291135	NE/57.8	2.41	37
12	BORE		ON	E/82.5	0.88	39
13	WWIS		lot 2 con 11 ON	NE/89.9	2.76	40

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1512854			
14	BORE		ON	NE/89.9	2.76	43
15	WWIS		lot 3 con 1 CUMBERLAND ON ***Well ID:*** 1536382	E/94.8	0.95	44
16	WWIS		lot 2 con 11 ON ***Well ID:*** 1512852	NNE/99.6	1.45	51
17	WWIS		lot 2 con 11 ON ***Well ID:*** 1512853	NNE/141.6	1.33	53
18	BORE		ON	NNE/141.7	1.33	56
19	WWIS		lot 2 con 11 ON ***Well ID:*** 1512081	NNE/162.4	1.22	57
20	ECA	Minto Communities Inc.	Ottawa ON K1P 0B6	W/166.8	0.78	60
21	WWIS		lot 1 con 3 ON ***Well ID:*** 1510719	NNE/188.1	0.84	60
22	BORE		ON	NNE/188.3	0.84	63
23	EHS		Mer Blue Rd & Navan Rd Ottawa ON	WSW/212.8	-1.22	65
24	SPL	Enbridge Energy Distribution Inc.	510 Yellow Birch St, Navan Ottawa ON	SW/218.2	-2.22	65
25	EHS		Navan, Renaud, and Mer Bleue Roads Ottawa ON	SSE/220.0	1.12	65
26	PTTW	Richcraft Homes Limited	ON	SE/224.4	2.02	66

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
27	EHS		2225 Mer Bleue Rd Ottawa ON K4A3T9	NE/230.3	3.44	66
28	GEN	minto communities	6371 Renaud rd Ottawa ON	SW/239.7	-2.22	66
28	ECA	Richcraft Homes Ltd.	6255, 6275, and 6371 Renaud Rd Lot 3 and 4, Concession 3 Ottawa Front Ottawa ON K1G 4K1	SW/239.7	-2.22	67
29	BORE		ON	ESE/268.7	1.32	67
30	EHS		2233 Mer Bleue Ottawa ON K4A 3T9	NE/278.6	3.62	68
31	PINC		519 CHAPERAL PRIVATE, OTTAWA ON	ENE/286.9	3.15	68
31	SPL		519 chaperal private Ottawa ON	ENE/286.9	3.15	69
31	SPL	Enbridge Gas Distribution Inc.	519 Chaperal Private, Orleans Ottawa ON	ENE/286.9	3.15	69

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 7 BORE site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON	0.0	1
	ON	38.4	5
	ON	82.5	12
	ON	89.9	14
	ON	141.7	18
	ON	188.3	22
	ON	268.7	29

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Jul 31, 2020 has found that there are 6 ECA site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Innes Shopping Centres Limited	Ottawa ON L4K 5X3	0.0	1

Site	Address	Distance (m)	Map Key
Innes Shopping Centres Limited	Ottawa ON L4K 5X3	0.0	1
City of Ottawa	Mer Bleue Rd and Brian Coburn Blvd. Ottawa ON K2G 6J8	30.6	2
Richcraft Homes Ltd.	6429 Renaud Rd Part of Lots 2 and 3, Concession 3 (Ottawa Front) Ottawa ON K1G 4K1	45.8	7
Minto Communities Inc.	Ottawa ON K1P 0B6	166.8	20
Richcraft Homes Ltd.	6255, 6275, and 6371 Renaud Rd Lot 3 and 4, Concession 3 Ottawa Front Ottawa ON K1G 4K1	239.7	28

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Apr 30, 2020 has found that there are 7 EHS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	Trailsedge - Blocks 193 & 194 Ottawa ON	0.0	1
	2215 Mer Bleue Ottawa ON	49.9	8
	Chemin Mer Bleue Ottawa ON	56.7	9
	Mer Blue Rd & Navan Rd Ottawa ON	212.8	23

Site	Address	Distance (m)	Map Key
	Navan, Renaud, and Mer Bleue Roads Ottawa ON	220.0	25
	2225 Mer Bleue Rd Ottawa ON K4A3T9	230.3	27
	2233 Mer Bleue Ottawa ON K4A 3T9	278.6	30

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Apr 30, 2020 has found that there are 1 GEN site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
minto communities	6371 Renaud rd Ottawa ON	239.7	28

PINC - Pipeline Incidents

A search of the PINC database, dated Feb 28, 2017 has found that there are 1 PINC site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	519 CHAPERAL PRIVATE, OTTAWA ON	286.9	31

PTTW - Permit to Take Water

A search of the PTTW database, dated 1994-Jul 31, 2020 has found that there are 1 PTTW site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Richcraft Homes Limited	 ON	224.4	26

SPL - Ontario Spills

A search of the SPL database, dated 1988-Nov 2019 has found that there are 3 SPL site(s) within approximately 0.30 kilometers of the project property.

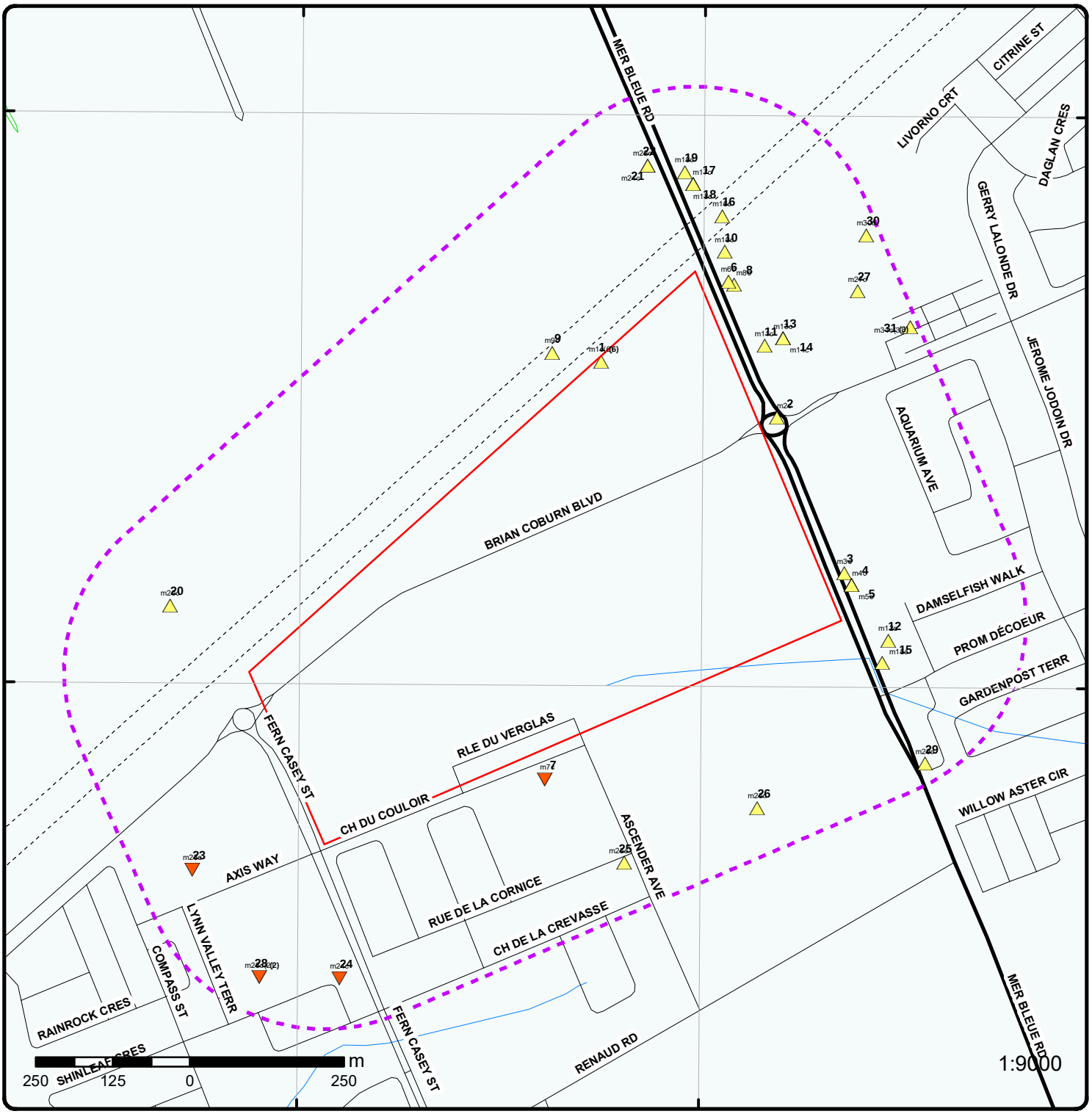
Site	Address	Distance (m)	Map Key
Enbridge Energy Distribution Inc.	510 Yellow Birch St, Navan Ottawa ON	218.2	24
	519 chaperal private Ottawa ON	286.9	31
Enbridge Gas Distribution Inc.	519 Chaperal Private, Orleans Ottawa ON	286.9	31

WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2020 has found that there are 13 WWIS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	lot 3 con 11 ON ***Well ID:*** 1512856	0.0	1
	lot 1 con 3 ON ***Well ID:*** 1519786	0.0	1
	lot 3 con 11 ON ***Well ID:*** 1519531	34.6	3
	lot 3 con 11 ON ***Well ID:*** 1512855	38.3	4
	lot 2 con 11 ON ***Well ID:*** 7310118	43.4	6
	lot 2 con 11 ON	57.1	10

Site	Address	Distance (m)	Map Key
	Well ID: 1513953		
	Orl?ans ON ***Well ID:*** 7291135	57.8	11
	lot 2 con 11 ON ***Well ID:*** 1512854	89.9	13
	lot 3 con 1 CUMBERLAND ON ***Well ID:*** 1536382	94.8	15
	lot 2 con 11 ON ***Well ID:*** 1512852	99.6	16
	lot 2 con 11 ON ***Well ID:*** 1512853	141.6	17
	lot 2 con 11 ON ***Well ID:*** 1512081	162.4	19
	lot 1 con 3 ON ***Well ID:*** 1510719	188.1	21



Map : 0.3 Kilometer Radius

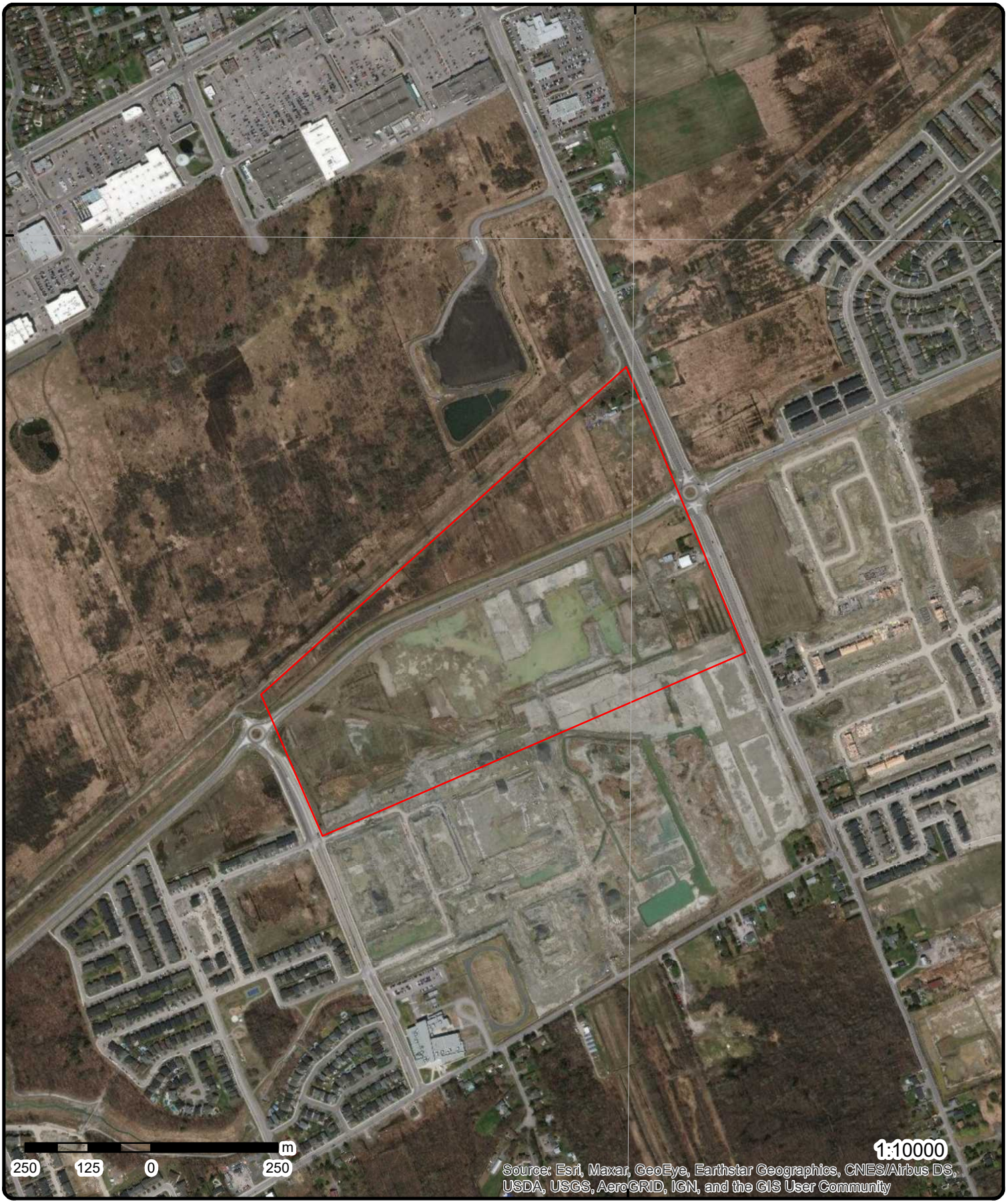
Order Number: 20200814021

Address: Trails Edge - Phase 4 (South), Ottawa, 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

Source: © 2015 DMTI Spatial Inc.



Aerial

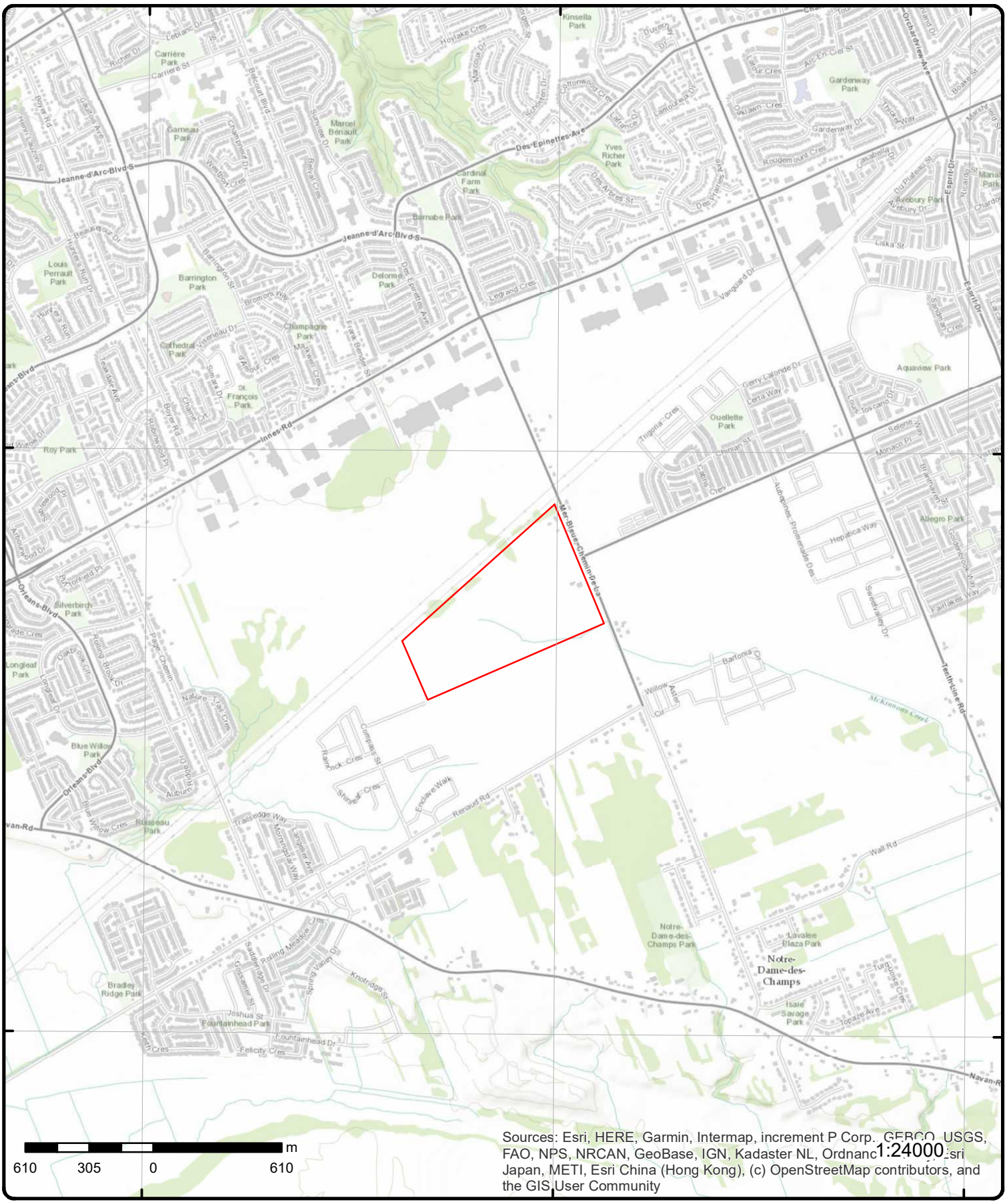
Year: 2019

Order Number: 20200814021

Address: Trails Edge - Phase 4 (South), Ottawa, ON

Source: ESRI World Imagery

ENVIRONMENTAL RISK INFORMATION SERVICES



Topographic Map

Address: Trails Edge - Phase 4 (South), ON

Source: ESRI World Topographic Map

Order Number: 20200814021

ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 6	WSW/0.0	86.8 / 0.73	lot 3 con 11 ON	WWIS

Well ID:	1512856	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	1/19/1965
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	003
Well Depth:		**Concession:**	11
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1512856.pdf

Bore Hole Information

Bore Hole ID:	10034844	**Elevation:**	88.018615
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	o	**East83:**	460251.8
Code OB Desc:	Overburden	**North83:**	5032002
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	7/30/1964	**UTMRC Desc:**	unknown UTM
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:	931021737
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 75
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931021738
Layer: 2
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 75
Formation End Depth: 81
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961512856
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID: 10583414
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930061716
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 81
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991512856
Pump Set At:
Static Level:
Final Level After Pumping: 20
Recommended Pump Depth: 20
Pumping Rate: 6
Flowing Rate:
Recommended Pump Rate: 6

Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	3
Pumping Duration MIN:	0
Flowing:	Yes

Water Details

Water ID:	933468346
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	81
Water Found Depth UOM:	ft

1 | ***2 of 6*** | ***NNE/0.0*** | ***86.8 / 0.73*** | ***lot 1 con 3 ON*** | ***WWIS***

Well ID:	1519786	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	7/30/1985
Sec. Water Use:	Commerical	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	2351
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	001
Well Depth:		**Concession:**	03
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1519786.pdf

Bore Hole Information

Bore Hole ID:	10041639	**Elevation:**	89.256828
DP2BR:	34	**Elevrc:**	
Spatial Status:	Improved	**Zone:**	18
Code OB:	r	**East83:**	460743
Code OB Desc:	Bedrock	**North83:**	5032672
Open Hole:		**Org CS:**	N83
Cluster Kind:		**UTMRC:**	8
Date Completed:	6/10/1985	**UTMRC Desc:**	margin of error : 3 km - 10 km
Remarks:		**Location Method:**	lot
Elevrc Desc:			

Location Source Date:	July 2001
Improvement Location Source:	PWPF-SDG/PWPF-PRU Eastern Ontario 2000 GWS\E.Ontario GW Study - DigitalFiles\E.O.W.R.M.S\Water Well Record Database\arc-info coverage.well location.e00
Improvement Location Method:	GIS10000
Source Revision Comment:	Coordinate change in shapefile
Supplier Comment:	no metadata on shp file, but seems ~4000 wells updated out of ~48000, (however nothing in report to describe

these changes); diffeast:539287, diffnorth:4967549; original coordinates =9999...

Overburden and Bedrock Materials Interval

Formation ID:	931042727
Layer:	3
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	34
Formation End Depth:	43
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931042726
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	9
Formation End Depth:	34
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931042725
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	9
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961519786
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID: 10590209
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930072710
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 34
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991519786
Pump Set At:
Static Level: 4
Final Level After Pumping: 28
Recommended Pump Depth: 40
Pumping Rate: 35
Flowing Rate:
Recommended Pump Rate: 15
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 10
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934654942
Test Type: Draw Down
Test Duration: 45
Test Level: 34
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934894726
Test Type: Draw Down
Test Duration: 60
Test Level: 34
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934109672
Test Type: Draw Down
Test Duration: 15
Test Level: 34
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934384401
Test Type:	Draw Down
Test Duration:	30
Test Level:	34
Test Level UOM:	ft

Water Details

Water ID:	933476860
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	42
Water Found Depth UOM:	ft

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1 ***3 of 6*** ***WSW/0.0*** ***86.8 / 0.73*** ***ON*** ***BORE***

Borehole ID:	616278	***Inclin FLG:***	No
OGF ID:	215517067	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	JUL-1964	***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.440413
Total Depth m:	24.7	***Longitude DD:***	-75.50823
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	460252
Drill Method:		***Northing:***	5032002
Orig Ground Elev m:	87.5	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	88		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218403541	***Mat Consistency:***	
Top Depth:	22.9	***Material Moisture:***	
Bottom Depth:	24.7	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Gravel	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	GRAVEL. 00081 1000. UNSPECIFIED. SEISMIC VELOCITY = 4900. BEDROCK. SEISMIC VELOCITY = 18000 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218403540	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	22.9	***Material Texture:***	
Material Color:	Blue	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	

Gsc Material Description:
Stratum Description: CLAY. BLUE.

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: OTTAWA2.txt RecordID: 08786 NTS_Sheet:
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

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1 | **4 of 6** | **NNE/0.0** | **86.8 / 0.73** | **Innes Shopping Centres Limited** | **ECA**

Ottawa ON L4K 5X3

Approval No:	1719-6SJJ6X	**MOE District:**	Ottawa
Approval Date:	2006-08-16	**City:**	
Status:	Approved	**Longitude:**	-75.5021
Record Type:	ECA	**Latitude:**	45.446400000000004
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	South Nation	**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/3055-6NSPDF-14.pdf

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1 | **5 of 6** | **NNE/0.0** | **86.8 / 0.73** | **Innes Shopping Centres Limited** | **ECA**

Ottawa ON L4K 5X3

Approval No:	6167-79NM49	**MOE District:**	Ottawa
Approval Date:	2007-12-10	**City:**	
Status:	Approved	**Longitude:**	-75.5021
Record Type:	ECA	**Latitude:**	45.446400000000004
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	South Nation	**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/3060-79LSM6-14.pdf

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1 | **6 of 6** | **WSW/0.0** | **86.8 / 0.73** | **Trailsedge - Blocks 193 & 194** | **EHS**

Ottawa ON

Order No: 20200615176 **Nearest Intersection:**

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

Status:	C	**Municipality:**		
Report Type:	Standard Report	**Client Prov/State:**	ON	
Report Date:	18-JUN-20	**Search Radius (km):**	.25	
Date Received:	15-JUN-20	**X:**	-75.50770436	
Previous Site Name:		**Y:**	45.44053741	
Lot/Building Size:				
Additional Info Ordered:				

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2 | **1 of 1** | **ENE/30.6** | **88.8 / 2.69** | **City of Ottawa**
Mer Bleue Rd and Brian Coburn Blvd.
Ottawa ON K2G 6J8 | **ECA**

Approval No:	6579-9X5SCM	**MOE District:**	
Approval Date:	2015-06-15	**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: Mer Bleue Rd and Brian Coburn Blvd.
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8616-9X3Q6H-14.pdf

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3 | **1 of 1** | **E/34.6** | **87.7 / 1.55** | **lot 3 con 11**
ON | **WWIS**

Well ID:	1519531	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Irrigation	**Date Received:**	4/19/1985
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	2351
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	003
Well Depth:		**Concession:**	11
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1519531.pdf

Bore Hole Information

Bore Hole ID:	10041401	**Elevation:**	88.395172
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	o	**East83:**	461129.8
Code OB Desc:	Overburden	**North83:**	5032321
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	3/25/1985	**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: 931041958
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 6
Formation End Depth: 119
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931041957
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 6
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931041959
Layer: 3
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 119
Formation End Depth: 120
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961519531

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

Pipe Information

Pipe ID: 10589971
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930072292
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 120
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991519531
Pump Set At:
Static Level: 45
Final Level After Pumping: 105
Recommended Pump Depth: 116
Pumping Rate: 20
Flowing Rate:
Recommended Pump Rate: 14
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934653315
Test Type: Draw Down
Test Duration: 45
Test Level: 105
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934109164
Test Type: Draw Down
Test Duration: 15
Test Level: 90
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934894077

Test Type: Draw Down
Test Duration: 60
Test Level: 105
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934383338
Test Type: Draw Down
Test Duration: 30
Test Level: 105
Test Level UOM: ft

Water Details

Water ID: 933476558
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 120
Water Found Depth UOM: ft

---

4 | ***1 of 1*** | ***E/38.3*** | ***88.0 / 1.89*** | ***lot 3 con 11 ON*** | ***WWIS***

Well ID:	1512855	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/5/1962
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1504
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	003
Well Depth:		***Concession:***	11
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1512855.pdf

Bore Hole Information

Bore Hole ID:	10034843	***Elevation:***	88.378608
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	461141.8
Code OB Desc:	Overburden	***North83:***	5032302
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	7/30/1962	***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:	931021735
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	70
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931021736
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	70
Formation End Depth:	78
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961512855
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	

Pipe Information

Pipe ID:	10583413
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930061715
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	78
Casing Diameter:	2

Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991512855
Pump Set At:	
Static Level:	2
Final Level After Pumping:	20
Recommended Pump Depth:	20
Pumping Rate:	8
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:	2
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933468345
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	78
Water Found Depth UOM:	ft

---

5 ***1 of 1*** ***E/38.4*** ***88.0 / 1.89*** ***ON*** ***BORE***

Borehole ID:	616285	***Inclin FLG:***	No
OGF ID:	215517074	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	JUL-1962	***Municipality:***	
Static Water Level:	3.7	***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.443163
Total Depth m:	23.8	***Longitude DD:***	-75.496874
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	461142
Drill Method:		***Northing:***	5032302
Orig Ground Elev m:	87.5	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	88.4		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218403561	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	21.3	***Material Texture:***	
Material Color:	Blue	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	

Material 2: ***Geologic Group:***
Material 3: ***Geologic Period:***
Material 4: ***Depositional Gen:***
Gsc Material Description:
Stratum Description: CLAY. BLUE.

Geology Stratum ID: 218403562 ***Mat Consistency:***
Top Depth: 21.3 ***Material Moisture:***
Bottom Depth: 23.8 ***Material Texture:***
Material Color: Blue ***Non Geo Mat Type:***
Material 1: Gravel ***Geologic Formation:***
Material 2: ***Geologic Group:***
Material 3: ***Geologic Period:***
Material 4: ***Depositional Gen:***
Gsc Material Description:
Stratum Description: GRAVEL. 00078BLE AT 275.0 FEET.. CLAY. BLUE. GRAVEL. LIMESTONE. GREY. 00122 18000 **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: ***Horizontal:*** NAD27
Observatio: ***Verticalda:*** Mean Average Sea Level
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA2.txt RecordID: 08793 NTS_Sheet:
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

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6 ***1 of 1*** ***NE/43.4*** ***88.3 / 2.17*** ***lot 2 con 11 ON*** ***WWIS***

Well ID: 7310118 ***Data Entry Status:***
Construction Date: ***Data Src:***
Primary Water Use: ***Date Received:*** 4/24/2018
Sec. Water Use: ***Selected Flag:*** Yes
Final Well Status: Abandoned-Other ***Abandonment Rec:*** Yes
Water Type: ***Contractor:*** 1119
Casing Material: ***Form Version:*** 7
Audit No: Z237206 ***Owner:***
Tag: ***Street Name:*** 2215 MER BLEUE RD
Construction Method: ***County:*** OTTAWA
Elevation (m): ***Municipality:*** CUMBERLAND TOWNSHIP
Elevation Reliability: ***Site Info:***
Depth to Bedrock: ***Lot:*** 002
Well Depth: ***Concession:*** 11
Overburden/Bedrock: ***Concession Name:*** CON
Pump Rate: ***Easting NAD83:***
Static Water Level: ***Northing NAD83:***
Flowing (Y/N): ***Zone:***
Flow Rate: ***UTM Reliability:***
Clear/Cloudy:

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1007031733	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	460942
Code OB Desc:		***North83:***	5032794
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	1/4/2018	***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:	1007257597
Layer:	1
Plug From:	0
Plug To:	53
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007257598
Layer:	1
Plug From:	53
Plug To:	5
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007257599
Layer:	2
Plug From:	5
Plug To:	0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1007257596
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1007257590
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1007257594
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:	1007257595
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Water Details

Water ID:	1007257593
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1007257592
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

7	***1 of 1***	***S/45.8***	***86.1 / -0.05***	***Richcraft Homes Ltd.*** ***6429 Renaud Rd Part of Lots 2 and 3,*** ***Concession 3 (Ottawa Front)*** ***Ottawa ON K1G 4K1***	***ECA***

Approval No:	5712-B65KDA	***MOE District:***	
Approval Date:	2018-11-06	***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:	6429 Renaud Rd Part of Lots 2 and 3, Concession 3 (Ottawa Front)		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/7475-B5VLLN-14.pdf		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	1 of 1	NE/49.9	88.4 / 2.32	2215 Mer Bleue Ottawa ON	EHS

Order No:	20160418041	**Nearest Intersection:**	
Status:	C	**Municipality:**	Ottawa
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	22-APR-16	**Search Radius (km):**	.25
Date Received:	18-APR-16	**X:**	-75.499348
Previous Site Name:	?	**Y:**	45.44753
Lot/Building Size:	0.43 Acres		
Additional Info Ordered:	Topographic Maps; City Directory; Aerial Photos		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	1 of 1	N/56.7	87.2 / 1.06	Chemin Mer Bleue Ottawa ON	EHS

Order No:	20060208025	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	2/14/2006	**Search Radius (km):**	0.25
Date Received:	2/7/2006	**X:**	-75.503118
Previous Site Name:		**Y:**	45.446521
Lot/Building Size:			
Additional Info Ordered:	City Directory		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
10	1 of 1	NE/57.1	87.5 / 1.35	lot 2 con 11 ON	WWIS

Well ID:	1513953	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	3/18/1974
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	002
Well Depth:		**Concession:**	11
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513953.pdf

Bore Hole Information

Bore Hole ID:	10035935	**Elevation:**	89.18576
DP2BR:	37	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	460935.8
Code OB Desc:	Bedrock	**North83:**	5032842
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	6
Date Completed:	6/8/1973	**UTMRC Desc:**	margin of error : 300 m - 1 km
Remarks:		**Location Method:**	p6
Elevrc Desc:			

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

Overburden and Bedrock Materials Interval

Formation ID: 931024894
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 37
Formation End Depth: 53
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931024893
Layer: 1
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 37
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961513953
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10584505
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930063495
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:

Depth To:	44
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991513953
Pump Set At:	
Static Level:	4
Final Level After Pumping:	20
Recommended Pump Depth:	30
Pumping Rate:	6
Flowing Rate:	
Recommended Pump Rate:	6
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934641792
Test Type:	Recovery
Test Duration:	45
Test Level:	4
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934099725
Test Type:	Recovery
Test Duration:	15
Test Level:	15
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934380799
Test Type:	Recovery
Test Duration:	30
Test Level:	10
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934899262
Test Type:	Recovery
Test Duration:	60
Test Level:	4
Test Level UOM:	ft

Water Details

Water ID:	933469707
Layer:	1
Kind Code:	1

Kind:	FRESH
Water Found Depth:	53
Water Found Depth UOM:	ft

11 | 1 of 1 | NE/57.8 | 88.5 / 2.41 | Orl?ans ON | WWIS

Well ID:	7291135	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Test Hole	**Date Received:**	7/28/2017
Sec. Water Use:	Monitoring	**Selected Flag:**	Yes
Final Well Status:	Monitoring and Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7241
Casing Material:		**Form Version:**	7
Audit No:	Z215089	**Owner:**	
Tag:	A190013	**Street Name:**	2225 MER BLEUE
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	CUMBERLAND 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:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006673061	**Elevation:**	89.01918
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	461001
Code OB Desc:		**North83:**	5032690
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	6/7/2017	**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:	1006817734
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Mat2 Desc:	SILT
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	2
Formation End Depth:	4.57

Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1006817733
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 06
Mat2 Desc: SILT
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 1
Formation End Depth: 2
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1006817732
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 02
Mat2 Desc: TOPSOIL
Mat3: 66
Mat3 Desc: DENSE
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1006817742
Layer: 1
Plug From: 0
Plug To: 1.16
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1006817743
Layer: 2
Plug From: 1.16
Plug To: 4.57
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1006817741
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe Information

Pipe ID:	1006817731
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006817737
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	1.47
Casing Diameter:	4.03
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1006817738
Layer:	1
Slot:	10
Screen Top Depth:	1.47
Screen End Depth:	4.57
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	4.82

Water Details

Water ID:	1006817736
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1006817735
Diameter:	8.3
Depth From:	0
Depth To:	4.57
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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12 ***1 of 1*** ***E/82.5*** ***87.0 / 0.88*** ***ON*** ***BORE***

Borehole ID:	616284	***Inclin FLG:***	No
OGF ID:	215517073	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	JUL-1962	***Municipality:***	
Static Water Level:	3.0	***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.442356

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

Total Depth m:	-999	**Longitude DD:**	-75.496112
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	461201
Drill Method:		**Northing:**	5032212
Orig Ground Elev m:	86.9	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	88.4		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218403560	**Mat Consistency:**	
Top Depth:	21.3	**Material Moisture:**	
Bottom Depth:		**Material Texture:**	
Material Color:	Blue	**Non Geo Mat Type:**	
Material 1:	Gravel	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	GRAVEL. WATER STABLE AT 275.0 FEET.. CLAY. BLUE. GRAVEL. LIMESTONE. GREY. 00122 18000 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218403559	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	21.3	**Material Texture:**	
Material Color:	Blue	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY. BLUE.		

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: OTTAWA2.txt RecordID: 087920 NTS_Sheet: 31G06E		
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
13	1 of 1	NE/89.9	88.9 / 2.76	lot 2 con 11 ON	WWIS

Well ID:	1512854	**Data Entry Status:**	
Construction Date:		**Data Src:**	1

Primary Water Use:	Livestock	**Date Received:**	7/30/1970
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	002
Well Depth:		**Concession:**	11
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1512854.pdf

Bore Hole Information

Bore Hole ID:	10034842	**Elevation:**	89.029968
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	o	**East83:**	461030.8
Code OB Desc:	Overburden	**North83:**	5032702
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	7/15/1969	**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:	931021733
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	40
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931021734
Layer:	2
Color:	2
General Color:	GREY

Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	40
Formation End Depth:	48
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961512854
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	

Pipe Information

Pipe ID:	10583412
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930061714
Layer:	1
Material:	2
Open Hole or Material:	GALVANIZED
Depth From:	
Depth To:	48
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991512854
Pump Set At:	
Static Level:	2
Final Level After Pumping:	20
Recommended Pump Depth:	25
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	6
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934896482
Test Type:	Draw Down
Test Duration:	60
Test Level:	20

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934098889
Test Type: Draw Down
Test Duration: 15
Test Level: 20
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934639000
Test Type: Draw Down
Test Duration: 45
Test Level: 20
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934378002
Test Type: Draw Down
Test Duration: 30
Test Level: 20
Test Level UOM: ft

Water Details

Water ID: 933468344
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 48
Water Found Depth UOM: ft

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14 ***1 of 1*** ***NE/89.9*** ***88.9 / 2.76*** ***ON*** ***BORE***

Borehole ID: 616290
OGF ID: 215517079
Status:
Type: Borehole
Use:
Completion Date: JUL-1969
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 14.6
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 89.9
Elev Reliabil Note:
DEM Ground Elev m: 89
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: 45.446757
Longitude DD: -75.498325
UTM Zone: 18
Easting: 461031
Northing: 5032702
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID:	218403576	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	12.2	**Material Texture:**	
Material Color:	Blue	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY. BLUE.		

Geology Stratum ID:	218403577	**Mat Consistency:**	
Top Depth:	12.2	**Material Moisture:**	
Bottom Depth:	14.6	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Gravel	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	GRAVEL. GREY. 00048 UNSPECIFIED. SEISMIC VELOCITY = 6300. BEDROCK. SEISMIC VELOCITY = 19500 **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:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 08798 NTS_Sheet:		
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		

15 | ***1 of 1*** | ***E/94.8*** | ***87.1 / 0.95*** | ***lot 3 con 1 CUMBERLAND ON*** | ***WWIS***

Well ID:	1536382	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Domestic	**Date Received:**	6/12/2006
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1119
Casing Material:		**Form Version:**	3
Audit No:	Z39926	**Owner:**	
Tag:	A023034	**Street Name:**	2319 MERBLEUE ROAD
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	003
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	

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

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536382.pdf

Bore Hole Information

Bore Hole ID:	11550448	***Elevation:***	88.249923
DP2BR:	78	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	461191
Code OB Desc:	Bedrock	***North83:***	5032176
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	3
Date Completed:	5/5/2006	***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:			

Overburden and Bedrock Materials Interval

Formation ID:	933055411
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	23.77
Formation End Depth:	103.63
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	933055409
Layer:	1
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	3.35
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID: 933055410

Layer:	2
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	3.35
Formation End Depth:	23.77
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933294366
Layer:	2
Plug From:	21.03
Plug To:	0
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933294365
Layer:	1
Plug From:	24.08
Plug To:	21.03
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	961536382
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	11560055
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930880319
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	24.08
Depth To:	103.63
Casing Diameter:	
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Casing

Casing ID:	930880318

Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: 0
Depth To: 24.69
Casing Diameter: 15.88
Casing Diameter UOM: cm
Casing Depth UOM: m

Results of Well Yield Testing

Pump Test ID: 11569464
Pump Set At: 91.44
Static Level: 1.25
Final Level After Pumping: 56.38
Recommended Pump Depth: 91.44
Pumping Rate: 22.74
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:
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 11630887
Test Type: Draw Down
Test Duration: 15
Test Level: 15.95
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11631169
Test Type: Recovery
Test Duration: 30
Test Level: 45.3
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630886
Test Type: Recovery
Test Duration: 10
Test Level: 52.76
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630877
Test Type: Draw Down
Test Duration: 2
Test Level: 3.21
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630883
Test Type: Draw Down
Test Duration: 5
Test Level: 6.25
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11631168
Test Type: Draw Down
Test Duration: 30
Test Level: 26.72
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11631172
Test Type: Draw Down
Test Duration: 50
Test Level: 42.7
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11631171
Test Type: Recovery
Test Duration: 40
Test Level: 41
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630884
Test Type: Recovery
Test Duration: 5
Test Level: 54.25
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630880
Test Type: Recovery
Test Duration: 3
Test Level: 54.9
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11631173
Test Type: Recovery
Test Duration: 50
Test Level: 37.9
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11631175
Test Type: Recovery
Test Duration: 60

Test Level: 35.1
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11631166
Test Type: Draw Down
Test Duration: 25
Test Level: 23.73
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630889
Test Type: Draw Down
Test Duration: 20
Test Level: 20.65
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630879
Test Type: Draw Down
Test Duration: 3
Test Level: 4.25
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630890
Test Type: Recovery
Test Duration: 20
Test Level: 48.8
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11631170
Test Type: Draw Down
Test Duration: 40
Test Level: 33.4
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630881
Test Type: Draw Down
Test Duration: 4
Test Level: 5.25
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630876
Test Type: Recovery
Test Duration: 1
Test Level: 55.15
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630878
Test Type: Recovery
Test Duration: 2
Test Level: 55
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630882
Test Type: Recovery
Test Duration: 4
Test Level: 54.56
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11631167
Test Type: Recovery
Test Duration: 25
Test Level: 46.9
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630885
Test Type: Draw Down
Test Duration: 10
Test Level: 10.85
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11631174
Test Type: Draw Down
Test Duration: 60
Test Level: 56.38
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630888
Test Type: Recovery
Test Duration: 15
Test Level: 50.8
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11630875
Test Type: Draw Down
Test Duration: 1
Test Level: 2.12
Test Level UOM: m

Water Details

Water ID: 934076133
Layer: 1

Kind Code:
Kind:
Water Found Depth: 99.06
Water Found Depth UOM: m

Hole Diameter

Hole ID: 11681155
Diameter: 15.23
Depth From: 0
Depth To: 103.63
Hole Depth UOM: m
Hole Diameter UOM: cm

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16 | **1 of 1** | **NNE/99.6** | **87.6 / 1.45** | **lot 2 con 11 ON** | **WWIS**

Well ID: 1512852
Construction Date:
Primary Water Use: Livestock
Sec. Water Use: Domestic
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: 12/7/1962
Selected Flag: Yes
Abandonment Rec:
Contractor: 1504
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 002
Concession: 11
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1512852.pdf

Bore Hole Information

Bore Hole ID: 10034840
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 9/6/1962
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 89.123374
Elevrc:
Zone: 18
East83: 460931.8
North83: 5032900
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: gis

Overburden and Bedrock Materials Interval

Formation ID: 931021728

Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	40
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931021729
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	40
Formation End Depth:	45
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961512852
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	

Pipe Information

Pipe ID:	10583410
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930061711
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	45
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991512852
Pump Set At:	
Static Level:	3

Final Level After Pumping:	15
Recommended Pump Depth:	15
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:	4
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933468342
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	45
Water Found Depth UOM:	ft

---

17 | ***1 of 1*** | ***NNE/141.6*** | ***87.4 / 1.33*** | ***lot 2 con 11 ON*** | ***WWIS***

Well ID:	1512853	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	8/27/1963
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1504
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	002
Well Depth:		***Concession:***	11
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1512853.pdf

Bore Hole Information

Bore Hole ID:	10034841	***Elevation:***	89.459899
DP2BR:	10	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	460884.8
Code OB Desc:	Bedrock	***North83:***	5032952
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	8/12/1963	***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: 931021731
Layer: 2
Color:
General Color:
Mat1: 10
Most Common Material: COARSE SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 8
Formation End Depth: 10
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931021730
Layer: 1
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 8
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931021732
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 10
Formation End Depth: 22
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961512853
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID:	10583411
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930061713
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	22
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930061712
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	11
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991512853
Pump Set At:	
Static Level:	3
Final Level After Pumping:	10
Recommended Pump Depth:	20
Pumping Rate:	10
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:	2
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933468343
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	22
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
18	1 of 1	NNE/141.7	87.4 / 1.33	ON	BORE

Borehole ID:	616294	**Inclin FLG:**	No
OGF ID:	215517083	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	AUG-1963	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.448999
Total Depth m:	6.7	**Longitude DD:**	-75.500211
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	460885
Drill Method:		**Northing:**	5032952
Orig Ground Elev m:	89.9	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	89.5		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218403588	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	2.4	**Material Texture:**	
Material Color:	Blue	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY. BLUE.		

Geology Stratum ID:	218403589	**Mat Consistency:**	
Top Depth:	2.4	**Material Moisture:**	
Bottom Depth:	3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND.		

Geology Stratum ID:	218403590	**Mat Consistency:**	
Top Depth:	3	**Material Moisture:**	
Bottom Depth:	6.7	**Material Texture:**	
Material Color:	Grey	**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. GREY. 00022ED. SEISMIC VELOCITY = 5300. BEDROCK. SEISMIC VELOCITY = 19500. K.		

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: OTTAWA2.txt RecordID: 08802 NTS_Sheet:		
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		

19 ***1 of 1*** ***NNE/162.4*** ***87.3 / 1.22*** ***lot 2 con 11 ON*** ***WWIS***

Well ID:	1512081	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Livestock	**Date Received:**	4/7/1972
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	002
Well Depth:		**Concession:**	11
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1512081.pdf

Bore Hole Information

Bore Hole ID:	10034074	**Elevation:**	89.686996
DP2BR:	21	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	460870.8
Code OB Desc:	Bedrock	**North83:**	5032972
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	12/10/1971	**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:	931019570
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	20
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931019571
Layer:	2
Color:	2
General Color:	GREY
Mat1:	07
Most Common Material:	QUICKSAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	20
Formation End Depth:	21
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931019572
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	21
Formation End Depth:	49
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961512081
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10582644
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930060471
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	49
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930060470
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	24
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991512081
Pump Set At:	
Static Level:	10
Final Level After Pumping:	10
Recommended Pump Depth:	20
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	6
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934098711
Test Type:	Draw Down
Test Duration:	15
Test Level:	10
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934376304
Test Type:	Draw Down
Test Duration:	30
Test Level:	10
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID: 934894796
Test Type: Draw Down
Test Duration: 60
Test Level: 10
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934646639
Test Type: Draw Down
Test Duration: 45
Test Level: 10
Test Level UOM: ft

Water Details

Water ID: 933467423
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 49
Water Found Depth UOM: ft

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20 | **1 of 1** | **W/166.8** | **86.9 / 0.78** | **Minto Communities Inc.** | **ECA**

Ottawa ON K1P 0B6

Approval No: 2443-9UPNXE
Approval Date: 2015-03-17
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
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/0331-9UFPKR-14.pdf

MOE District: Ottawa
City:
Longitude: -75.51100000000001
Latitude: 45.442800000000005
Geometry X:
Geometry Y:

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21 | **1 of 1** | **NNE/188.1** | **86.9 / 0.84** | **lot 1 con 3 ON** | **WWIS**

Well ID: 1510719
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:

Data Entry Status:
Data Src: 1
Date Received: 2/23/1971
Selected Flag: Yes
Abandonment Rec:
Contractor: 1504
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 001
Concession: 03
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510719.pdf

Bore Hole Information

Bore Hole ID:	10032736	***Elevation:***	89.220108
DP2BR:	90	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	460810.8
Code OB Desc:	Bedrock	***North83:***	5032982
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	12/18/1970	***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:	931015650
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	19
Most Common Material:	SLATE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	90
Formation End Depth:	97
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931015648
Layer:	1
Color:	5
General Color:	YELLOW
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	3
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931015649
Layer:	2
Color:	3

General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	3
Formation End Depth:	90
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961510719
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	

Pipe Information

Pipe ID:	10581306
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930058039
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	97
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930058038
Layer:	1
Material:	2
Open Hole or Material:	GALVANIZED
Depth From:	
Depth To:	92
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991510719
Pump Set At:	
Static Level:	30
Final Level After Pumping:	50
Recommended Pump Depth:	60
Pumping Rate:	6
Flowing Rate:	
Recommended Pump Rate:	6
Levels UOM:	ft
Rate UOM:	GPM

Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934641622
Test Type:	Draw Down
Test Duration:	45
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934897990
Test Type:	Draw Down
Test Duration:	60
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934097310
Test Type:	Draw Down
Test Duration:	15
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934380045
Test Type:	Draw Down
Test Duration:	30
Test Level:	50
Test Level UOM:	ft

Water Details

Water ID:	933465752
Layer:	1
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	97
Water Found Depth UOM:	ft

22 ***1 of 1*** ***NNE/188.3*** ***86.9 / 0.84*** ***ON*** ***BORE***

Borehole ID:	616295	**Inclin FLG:**	No
OGF ID:	215517084	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	DEC-1970	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.449265
Total Depth m:	29.6	**Longitude DD:**	-75.50116

Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	460811
Drill Method:		**Northing:**	5032982
Orig Ground Elev m:	89.6	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	89.2		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218403591	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.9	**Material Texture:**	
Material Color:	Yellow	**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. YELLOW.		

Geology Stratum ID:	218403593	**Mat Consistency:**	
Top Depth:	27.4	**Material Moisture:**	
Bottom Depth:	29.6	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Slate	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SLATE. BROWN. 00097SEISMIC VELOCITY = 5300. BEDROCK. SEISMIC VELOCITY = 19500. K. DARK,G **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218403592	**Mat Consistency:**	
Top Depth:	.9	**Material Moisture:**	
Bottom Depth:	27.4	**Material Texture:**	
Material Color:	Blue	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY. BLUE.		

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: OTTAWA2.txt RecordID: 08803 NTS_Sheet:		
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

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23 | **1 of 1** | **WSW/212.8** | **84.9 / -1.22** | **Mer Blue Rd & Navan Rd, Ottawa ON** | **EHS**

Order No:	20130509006	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	01-AUG-13	**Search Radius (km):**	.25
Date Received:	09-MAY-13	**X:**	-75.51051
Previous Site Name:		**Y:**	45.43894
Lot/Building Size:			
Additional Info Ordered:			

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24 | **1 of 1** | **SW/218.2** | **83.9 / -2.22** | **Enbridge Energy Distribution Inc., 510 Yellow Birch St, Navan, Ottawa ON** | **SPL**

Ref No:	5061-APTRWD	**Discharger Report:**	
Site No:	NA	**Material Group:**	
Incident Dt:	8/1/2017	**Health/Env Conseq:**	2 - Minor Environment
Year:		**Client Type:**	Corporation
Incident Cause:		**Sector Type:**	Unknown / N/A
Incident Event:	Leak/Break	**Agency Involved:**	
Contaminant Code:	35	**Nearest Watercourse:**	
Contaminant Name:	NATURAL GAS (METHANE)	**Site Address:**	510 Yellow Birch St, Navan
Contaminant Limit 1:		**Site District Office:**	Ottawa
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:	1075	**Site Region:**	Eastern
Environment Impact:		**Site Municipality:**	Ottawa
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Air	**Northing:**	
MOE Response:	No	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	8/1/2017	**Site Map Datum:**	
Dt Document Closed:	10/21/2017	**SAC Action Class:**	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Operator/Human Error	**Source Type:**	Pipeline/Components
Site Name:	Residental<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	TSSA FSB: 1/2" pl IP linestrike, made safe		
Contaminant Qty:	0 L		

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25 | **1 of 1** | **SSE/220.0** | **87.2 / 1.12** | **Navan, Renaud, and Mer Bleue Roads, Ottawa ON** | **EHS**

Order No:	20070419014	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	CAN - Custom Report	**Client Prov/State:**	
Report Date:	4/27/2007	**Search Radius (km):**	0.25
Date Received:	4/19/2007	**X:**	-75.50156
Previous Site Name:		**Y:**	45.439086
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
26	1 of 1	SE/224.4	88.1 / 2.02	Richcraft Homes Limited ON	PTTW

EBR Registry No: 013-1804
Ministry Ref No: 7878-ASRLU7
Notice Type: Instrument
Notice Stage: Proposal
Notice Date:
Proposal Date: November 8, 2017
Year: 2017
Instrument Type: Permit to take water
Off Instrument Name: Permit to Take Water (OWRA s. 34)
Posted By: Ministry of the Environment, Conservation and Parks
Company Name:
Site Address:
Location Other:
Proponent Name: Richcraft Homes Limited
Proponent Address: 2280 St. Laurent Boulevard
Suite 201
Ottawa,
ON
K1G 4K1
Canada
Comment Period: November 8, 2017 - December 8, 2017 (30 days) Closed
URL: https://ero.ontario.ca/notice/013-1804

Site Location Details:

6429 Renaud Road
Ottawa
and
2284 Mer Bleue Road
Ottawa

Decision Posted:
Exception Posted:
Section: Section 34
Act 1: Ontario Water Resources Act, R.S.O. 1990
Act 2: Ontario Water Resources Act
Site Location Map: 45.439898,-75.498803

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
27	1 of 1	NE/230.3	89.5 / 3.44	2225 Mer Bleue Rd Ottawa ON K4A3T9	EHS

Order No: 20170517044
Status: C
Report Type: Custom Report
Report Date: 02-JUN-17
Date Received: 17-MAY-17
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.49679
Y: 45.447446

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
28	1 of 2	SW/239.7	83.9 / -2.22	minto communities 6371 Renaud rd Ottawa ON	GEN

Generator No: ON2987464
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 236110
SIC Description: Residential Building Construction

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 265
Waste Class Desc: GRAPHIC ART WASTES

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28 **2 of 2** **SW/239.7** **83.9 / -2.22** **Richcraft Homes Ltd.**
6255, 6275, and 6371 Renaud Rd Lot 3 and 4, Concession 3 Ottawa Front
Ottawa ON K1G 4K1 **ECA**

Approval No: 5391-9REPVA
Approval Date: 2015-01-14
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: 6255, 6275, and 6371 Renaud Rd Lot 3 and 4, Concession 3 Ottawa Front
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4234-9QBJ42-14.pdf
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

---

29 **1 of 1** **ESE/268.7** **87.4 / 1.32** **ON** **BORE**

Borehole ID: 616280
OGF ID: 215517069
Status:
Type: Borehole
Use:
Completion Date: JUL-1964
Static Water Level: 3.0
Primary Water Use:
Sec. Water Use:
Total Depth m: -999
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 86.9
Elev Reliabil Note:
DEM Ground Elev m: 87.8
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: 45.440559
Longitude DD: -75.495329
UTM Zone: 18
Easting: 461261
Northing: 5032012
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218403546
Top Depth: 22.9
Bottom Depth:
Material Color:
Material 1: Gravel
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: GRAVEL. WATER STABLE AT 275.0 FEET.57SMIC VELOCITY = 4900. BEDROCK. SEISMIC VELOCITY = 18000 **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: 218403545
Mat Consistency:

Top Depth:	0	**Material Moisture:**	
Bottom Depth:	22.9	**Material Texture:**	
Material Color:	Blue	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY. BLUE.		

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: OTTAWA2.txt RecordID: 087880 NTS_Sheet: 31G06E		
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		

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30 | ***1 of 1*** | ***NE/278.6*** | ***89.7 / 3.62*** | ***2233 Mer Bleue Ottawa ON K4A 3T9*** | ***EHS***

Order No:	20091215034	**Nearest Intersection:**	Mer Bleue & Innes Road
Status:	C	**Municipality:**	Ottawa-Carleton
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	12/24/2009	**Search Radius (km):**	0.25
Date Received:	12/15/2009	**X:**	-75.496616
Previous Site Name:		**Y:**	45.448268
Lot/Building Size:	approx 19.5 acres		
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans;		

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31 | ***1 of 3*** | ***ENE/286.9*** | ***89.3 / 3.15*** | ***519 CHAPERAL PRIVATE, OTTAWA ON*** | ***PINC***

Incident ID:		**Health Impact:**	
Incident No:	1729458	**Environment Impact:**	
Type:	FS-Pipeline Incident	**Property Damage:**	No
Status Code:	Pipeline Damage Reason Est	**Service Interupt:**	
Fuel Occurrence Tp:		**Enforce Policy:**	Yes
Fuel Type:		**Public Relation:**	
Tank Status:	RC Established	**Pipeline System:**	
Task No:	5885606	**Depth:**	
Spills Action Centre:		**Pipe Material:**	
Method Details:	E-mail	**PSIG:**	
Fuel Category:	Natural Gas	**Attribute Category:**	FS-Perform P-line Inc Invest
Date of Occurrence:		**Regulator Location:**	
Occurrence Start Date:	2015/09/30		
Operation Type:			
Pipeline Type:			
Regulator Type:			

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

Summary: 519 CHAPERAL PRIVATE, OTTAWA - PIPELINE HIT - 2"
Reported By: Pierre Potvin - ENBRIDGE
Affiliation:
Occurrence Desc:
Damage Reason: Excavation practices not sufficient
Notes:

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31 ***2 of 3*** ***ENE/286.9*** ***89.3 / 3.15*** ***519 chaperal private Ottawa ON*** ***SPL***

Ref No: 2052-A2UKLH
Site No: NA
Incident Dt: 9/30/2015
Year:
Incident Cause:
Incident Event:
Contaminant Code: 35
Contaminant Name: NATURAL GAS (METHANE)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact:
Nature of Impact:
Receiving Medium:
Receiving Env:
MOE Response: No
Dt MOE Arvl on Scn:
MOE Reported Dt: 9/30/2015
Dt Document Closed: 11/27/2015
Incident Reason: Operator/Human Error
Site Name: pipeline<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: TSSA: Chaperal service damage
Contaminant Qty: 0 other - see incident description

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type: Miscellaneous Industrial
Agency Involved:
Nearest Watercourse:
Site Address: 519 chaperal private
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Source Type:

---

31 ***3 of 3*** ***ENE/286.9*** ***89.3 / 3.15*** ***Enbridge Gas Distribution Inc. 519 Chaperal Private, Orleans Ottawa ON*** ***SPL***

Ref No: 4805-A2VGEH
Site No: NA
Incident Dt: 9/30/2015
Year:
Incident Cause:
Incident Event:
Contaminant Code: 35
Contaminant Name: NATURAL GAS (METHANE)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact:
Nature of Impact:
Receiving Medium:
Receiving Env:
MOE Response: No
Dt MOE Arvl on Scn:
MOE Reported Dt: 10/1/2015
Dt Document Closed: 10/3/2015
Incident Reason: Operator/Human Error

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type: Unknown / N/A
Agency Involved:
Nearest Watercourse:
Site Address: 519 Chaperal Private, Orleans
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Source Type:

Site Name:	Enbridge - gasline<UNOFFICIAL>
Site County/District:	
Site Geo Ref Meth:	
Incident Summary:	TSSA/Enbridge: 2 " gasline damage
Contaminant Qty:	0 other - see incident description

Unplottable Summary

Total: 64 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	Richcraft Homes Ltd.		Ottawa ON	
CA	Minto Communities Inc.	Ward 21	Ottawa ON	
CA	City of Ottawa	Mer Bleue Rd (Innes Rd 700m south)	Ottawa ON	
CA	Richcraft Homes Ltd.		Ottawa ON	
CA	Minto Communities Inc.		Ottawa ON	
CA	City of Ottawa	Mer Bleue Rd (Innes Rd 700m south)	Ottawa ON	
CA	Richcraft Homes Ltd.		Ottawa ON	
CA	Taggart Construction Limited	Mobile Facility	Ottawa ON	
CA	Richcraft Homes Ltd.		Ottawa ON	
CA	Richcraft Homes Ltd.		Ottawa ON	
CONV	Taggart Construction Limited		Ottawa ON	
EBR	Richcraft Homes Ltd.	Ottawa, ON Canada	ON	
EBR	Taggart Construction Limited	Mobile Facility Ottawa Ontario Ottawa	ON	
EBR	Minto Communities Inc.	Ottawa, Ontario CITY OF OTTAWA	ON	
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6

ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Richcraft Homes Ltd.		Ottawa ON	K1G 4K1
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Richcraft Homes Ltd.		Ottawa ON	K1G 4K1
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Taggart Construction Limited	Mobile Facility	Ottawa ON	K1V 8Y3
ECA	Richcraft Homes Ltd.		Ottawa ON	K1G 4K1
ECA	Richcraft Homes Ltd.		Ottawa ON	K1G 4K1
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	City of Ottawa	Brian Coburn Blvd Navan Road	Ottawa ON	K2G 6J8
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
PINC		DECOEUR DR & MAGNOLIA ST, OTTAWA	ON	
PTTW	Minto Communities Inc.		ON	
PTTW	Minto Communities Inc.		ON	
SPL	Taggart Construction Limited		Ottawa ON	
SPL	Enbridge Gas Distribution Inc.	On Decoeur Drive at Decoeur Dr. and Magnolia St. (S/W of Magnolia), Orleans	Ottawa ON	

WWIS	lot 4	ON
WWIS	lot 4	ON
WWIS	lot 4	ON
WWIS	lot 4	ON
WWIS	lot 4	ON
WWIS	lot 4	ON
WWIS	lot 4	ON
WWIS	lot 4	ON
WWIS	lot 4	ON
WWIS	lot 4	ON
WWIS	lot 4	ON
WWIS	lot 4	ON
WWIS	lot 4	ON
WWIS	lot 4	ON
WWIS	lot 4	ON
WWIS	lot 4	ON
WWIS	lot 4	ON
WWIS	lot 4	ON
WWIS	lot 4	ON
WWIS	lot 4	ON
WWIS	lot 4	ON
WWIS	lot 4	ON
WWIS	lot 4	ON

Unplottable Report

Site: ***Richcraft Homes Ltd.***
Ottawa ON

Database: ***CA***

Certificate #: 3841-632P4R
Application Year: 2004
Issue Date: 7/20/2004
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: ***Minto Communities Inc.***
Ward 21 Ottawa ON

Database: ***CA***

Certificate #: 6616-7XYSBE
Application Year: 2009
Issue Date: 12/4/2009
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: ***City of Ottawa***
Mer Bleue Rd (Innes Rd 700m south) Ottawa ON

Database: ***CA***

Certificate #: 8790-6VKTPK
Application Year: 2007
Issue Date: 4/26/2007
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: ***Richcraft Homes Ltd.***
Ottawa ON

Database: ***CA***

Certificate #: 9080-5UYQRL

Application Year: 2004
Issue Date: 1/8/2004
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: ***Minto Communities Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 3058-7JZKTF
Application Year: 2008
Issue Date: 10/7/2008
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: ***City of Ottawa***
Mer Bleue Rd (Innes Rd 700m south) Ottawa ON

Database: ***CA***

Certificate #: 2501-6V7Q25
Application Year: 2006
Issue Date: 11/10/2006
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: ***Richcraft Homes Ltd.***
Ottawa ON

Database: ***CA***

Certificate #: 1207-5YPRH9
Application Year: 2004
Issue Date: 5/6/2004
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: ***Taggart Construction Limited***
Mobile Facility Ottawa ON

Database: ***CA***

Certificate #: 0636-7KEL2F
Application Year: 2008
Issue Date: 11/19/2008
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Richcraft Homes Ltd.***
Ottawa ON

Database: ***CA***

Certificate #: 9817-7WNR3C
Application Year: 2009
Issue Date: 10/15/2009
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: ***Richcraft Homes Ltd.***
Ottawa ON

Database: ***CA***

Certificate #: 7432-7UVKBU
Application Year: 2009
Issue Date: 8/13/2009
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: ***Taggart Construction Limited***
Ottawa ON

Database: ***CONV***

File No: 012802
Crown Brief No:
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Location:
Region:
Ministry District:

Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:
Description: Taggart Construction Limited, Paterson Group Inc. and Robert Passmore have been fined $5,000 each, totalling $15,000 plus a victim fine surcharge, after pleading guilty on January 15, 2009 to violations under the Ontario Water Resources Act. Taggart Construction Limited and Paterson Group Inc. were convicted of failing to comply with a Provincial Officer Order by taking more than 50,000 litres of water per day, and Mr. Passmore was convicted of giving false or misleading information to the ministry. The parties were given six months to pay the fine. The Court heard that Taggart Construction Limited was contracted by a developer to install municipal services at a subdivision in Ottawa which required dewatering activities. After being issued a Provincial Officer Order to restrict water taking activities to below 50,000 litres per day until a permit had been obtained, Taggart hired Paterson Group Inc. to submit an application for the permit. Taggart then pumped over 50,000 litres of water based on information provided by Paterson Group employee, Mr. Passmore, that the go ahead to pump had been given when a permit had yet to be issued. In an interview with ministry investigators, Mr. Passmore denied giving Taggart verbal approval to pump in excess of 50,000 litres per day. Taggart Construction Limited, Paterson Group Inc. and Mr. Passmore were charged following an investigation by the Ministry of the Environment's Investigations and Enforcement Branch.
Background:
URL:

Additional Details

Publication Date:
Count: 1
Act: OWRA
Regulation:
Section:
Act/Regulation/Section: OWRA
Date of Offence:
Date of Conviction:
Date Charged: January 15, 2009
Charge Disposition: fine, victim fine surcharge
Fine: $5,000
Synopsis:

Site: ***Richcraft Homes Ltd.***
Ottawa, ON Canada ON

Database: ***EBR***

EBR Registry No: 019-1273
Ministry Ref No: KV-C-001-18
Notice Type: Instrument
Notice Stage: Proposal
Notice Date:
Proposal Date: February 27, 2020
Year: 2020
Decision Posted:
Exception Posted:
Section: Section 17 (2) (c)
Act 1: Endangered Species Act , R.S.O. 2007
Act 2: Endangered Species Act, 2007
Site Location Map:
Instrument Type: Permit for activities to achieve an overall benefit to a species
Off Instrument Name: Permit for activities with conditions to achieve overall benefit to the species (ESA s.17(2) (c))
Posted By: Ministry of the Environment, Conservation and Parks
Company Name:
Site Address: Ottawa,
ON
Canada
Location Other:
Proponent Name: Richcraft Homes Ltd.
Proponent Address: 2280 St. Laurent Boulevard
Unit 201
Ottawa,
ON
K1G4K1
Canada
Comment Period: February 27, 2020 - March 28, 2020 (30 days) Closed
URL: https://ero.ontario.ca/notice/019-1273

Site Location Details:

Part of Lot 8, Concession 1 in the Geographic Township of March, Ottawa.

Site: ***Taggart Construction Limited***
Mobile Facility Ottawa Ontario Ottawa ON

Database: ***EBR***

EBR Registry No:	IA07E0165	***Decision Posted:***	
Ministry Ref No:	8556-6XWUA3	***Exception Posted:***	
Notice Type:	Instrument Decision	***Section:***	
Notice Stage:	803008003	***Act 1:***	
Notice Date:	December 09, 2008	***Act 2:***	
Proposal Date:	January 30, 2007	***Site Location Map:***	
Year:	2007		

Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)
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:

Mobile Facility Ottawa Ontario Ottawa

Site: ***Minto Communities Inc.***
Ottawa, Ontario CITY OF OTTAWA ON

Database: ***EBR***

EBR Registry No:	013-0315	***Decision Posted:***	
Ministry Ref No:	MNRF INST 30/17	***Exception Posted:***	
Notice Type:	Instrument Decision	***Section:***	
Notice Stage:	860201441	***Act 1:***	
Notice Date:	September 28, 2017	***Act 2:***	
Proposal Date:	April 10, 2017	***Site Location Map:***	
Year:	2017		

Instrument Type: (ESA s.17(2) (c)) - Permit for activities with conditions to achieve overall benefit to the species
Off Instrument Name:
Posted By:
Company Name: Minto Communities Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6
Comment Period:
URL:

Site Location Details:

Ottawa, Ontario CITY OF OTTAWA

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No:	3002-8PBSB4	***MOE District:***	
Approval Date:	2012-01-31	***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:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6465-8NETCD-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 0195-95LSVA
Approval Date: 2013-03-22
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
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/1964-8XNJA4-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 1554-8Y2HZ6
Approval Date: 2012-09-14
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
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/1100-8WTMSY-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 3053-8YJNWU
Approval Date: 2012-10-01
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
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/1397-8XNJGH-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 7202-97BLB4
Approval Date: 2013-05-23
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
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/4553-95ZKWJ-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 8813-9WYQ2J
Approval Date: 2015-06-08
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
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/4625-9WXRTA-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 7971-9EAST8
Approval Date: 2014-01-10
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
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/7322-9E4LGN-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 8270-A3ZLU2
Approval Date: 2015-11-10
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
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/8185-A3PRB5-14.pdf

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Site: ***Richcraft Homes Ltd.***
Ottawa ON K1G 4K1

Database: ***ECA***

Approval No: 6566-A7AMSG
Approval Date: 2016-02-23
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
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/1204-A4KTW4-14.pdf

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No:	7661-ABCKQL	***MOE District:***	
Approval Date:	2016-06-30	***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/5664-AB4KGV-14.pdf		

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No:	0606-AHXJCH	***MOE District:***	
Approval Date:	2017-02-02	***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/4552-AHSJ74-14.pdf		

Site: ***Richcraft Homes Ltd.***
Ottawa ON K1G 4K1

Database: ***ECA***

Approval No:	9080-5UYQRL	***MOE District:***	
Approval Date:	2004-01-08	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***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/5802-5UQM74-14.pdf		

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No:	2268-9WYR3F	***MOE District:***	
Approval Date:	2015-06-08	***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/3873-9WWLDY-14.pdf		

Site: ***Taggart Construction Limited***
Mobile Facility Ottawa ON K1V 8Y3

Database: ***ECA***

Approval No: 0636-7KEL2F
Approval Date: 2008-11-19
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-AIR
Project Type: AIR
Address: Mobile Facility
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8556-6XWUA3-14.pdf
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: ***Richcraft Homes Ltd.***
Ottawa ON K1G 4K1

Database: ***ECA***

Approval No: 5800-5UYNQD
Approval Date: 2004-01-08
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Address:
Full Address:
Full PDF Link:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: ***Richcraft Homes Ltd.***
Ottawa ON K1G 4K1

Database: ***ECA***

Approval No: 5204-4RGRNN
Approval Date: 2000-12-01
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-Municipal and Private Water Works
Project Type: Municipal and Private Water Works
Address:
Full Address:
Full PDF Link:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 7598-94TRX3
Approval Date: 2013-02-26
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/2553-8VDQUF-14.pdf
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 1720-AKJGKQ
Approval Date: 2017-03-24
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/1769-AKEQQZ-14.pdf
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 3128-AQGJ6T
Approval Date: 2017-08-23
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/4569-AQCRKJ-14.pdf
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 8605-AYUHJG
Approval Date: 2018-05-30
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/7723-AYKNXD-14.pdf
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: ***City of Ottawa***
Brian Coburn Blvd Navan Road Ottawa ON K2G 6J8

Database: ***ECA***

Approval No: 3536-AZPKY6
Approval Date: 2018-06-29
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: Brian Coburn Blvd Navan Road
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/9726-AZERBS-14.pdf
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 6142-BEJHCE
Approval Date: 2019-08-01
MOE District:
City:

Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	-8403007.4223
SWP Area Name:		***Geometry Y:***	5691058.511699997
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/0892-BDSKVQ-14.pdf		

Site: ***Database:***
DECOEUR DR & MAGNOLIA ST, OTTAWA ON ***PINC***

Incident ID:		***Health Impact:***	
Incident No:	1882562	***Environment Impact:***	
Type:	FS-Pipeline Incident	***Property Damage:***	No
Status Code:	Pipeline Damage Reason Est	***Service Interupt:***	
Fuel Occurrence Tp:		***Enforce Policy:***	Yes
Fuel Type:		***Public Relation:***	
Tank Status:	RC Established	***Pipeline System:***	
Task No:	6204208	***Depth:***	
Spills Action Centre:		***Pipe Material:***	
Method Details:	E-mail	***PSIG:***	
Fuel Category:	Natural Gas	***Attribute Category:***	FS-Perform P-line Inc Invest
Date of Occurrence:		***Regulator Location:***	
Occurrence Start Date:	2016/06/13		
Operation Type:			
Pipeline Type:			
Regulator Type:			
Summary:	DECOEUR DR & MAGNOLIA ST, OTTAWA - PIPELINE HIT - 2"		
Reported By:	Ben Lauzon - ENBRIDGE		
Affiliation:			
Occurrence Desc:			
Damage Reason:	Excavation practices not sufficient		
Notes:			

Site: ***Minto Communities Inc.*** ***Database:***
ON ***PTTW***

EBR Registry No:	012-9800	***Decision Posted:***	
Ministry Ref No:	5771-AJEJDR	***Exception Posted:***	
Notice Type:	Instrument Decision	***Section:***	
Notice Stage:		***Act 1:***	
Notice Date:	October 06, 2017	***Act 2:***	
Proposal Date:	February 13, 2017	***Site Location Map:***	
Year:	2017		
Instrument Type:	(OWRA s. 34) - Permit to Take Water		
Off Instrument Name:			
Posted By:			
Company Name:	Minto Communities Inc.		
Site Address:			
Location Other:			
Proponent Name:			
Proponent Address:	180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6		
Comment Period:			
URL:			

Site Location Details:

Avalon West Community Address: Lot: 3 & Part of Lot 4, Concession: 11, Geographic Township: CUMBERLAND, Ottawa, City District Office: Ottawa GeoReference: Zone: 18, UTM Easting: 461611, UTM Northing: 5032496, UTM Location Description: S1- Lot 3 Concession 11, Site #: 5712-AJEJLA CITY OF OTTAWA

Site: ***Minto Communities Inc.***
ON

Database: ***PTTW***

EBR Registry No:	011-4898	***Decision Posted:***	
Ministry Ref No:	3046-8MLKW5	***Exception Posted:***	
Notice Type:	Instrument Decision	***Section:***	
Notice Stage:		***Act 1:***	
Notice Date:	December 17, 2014	***Act 2:***	
Proposal Date:	November 04, 2011	***Site Location Map:***	
Year:	2011		
Instrument Type:	(OWRA s. 34) - Permit to Take Water		
Off Instrument Name:			
Posted By:			
Company Name:	Minto Communities Inc.		
Site Address:			
Location Other:			
Proponent Name:			
Proponent Address:	180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6		
Comment Period:			
URL:			

Site Location Details:

Mahogany Community Development Address: Lot: Part of Lots 4 and 5, Concession: A (Broken Front), Ottawa, City District Office: Ottawa GeoReference: Map Datum: NAD83, Zone: 18, Accuracy Estimate: 1-10 metres eg. Good Quality GPS, UTM Easting: 446650, UTM Northing: 5007555, , LIO GeoReference: Zone: , UTM Easting: , UTM Northing: , Latitude: , Longitude: CITY OF OTTAWA

Site: ***Taggart Construction Limited***
Ottawa ON

Database: ***SPL***

Ref No:	7584-BB3KRQ	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	4/4/2019	***Health/Env Conseq:***	
Year:		***Client Type:***	Corporation
Incident Cause:		***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	Ottawa
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	Eastern
Environment Impact:		***Site Municipality:***	Ottawa
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	4/9/2019	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:		***Source Type:***	
Site Name:	1896 John Quinn rd, Metcalfe<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Mobile Crusher Relocation - 2019		
Contaminant Qty:			

Site: ***Enbridge Gas Distribution Inc.***
On Decoeur Drive at Decoeur Dr. and Magnolia St. (S/W of Magnolia), Orleans Ottawa ON

Database: ***SPL***

Ref No:	4061-AAQVQZ	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	2016/06/08	***Health/Env Conseq:***	

Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	Miscellaneous Communal
Incident Event:	Leak/Break	***Agency Involved:***	
Contaminant Code:	35	***Nearest Watercourse:***	
Contaminant Name:	NATURAL GAS (METHANE)	***Site Address:***	On Decoeur Drive at Decoeur Dr. and Magnolia St. (S/W of Magnolia), Orleans
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:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:	Air	***Northing:***	
MOE Response:	No	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	2016/06/08	***Site Map Datum:***	
Dt Document Closed:	2016/08/10	***SAC Action Class:***	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Operator/Human Error	***Source Type:***	
Site Name:	Residential<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	TSSA FSB: 2" plastic main line strike to atm.		
Contaminant Qty:	0 other - see incident description		

Site:

lot 4 ON

Database: ***WWIS***

Well ID:	1523464	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	6/26/1989
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3749
Casing Material:		***Form Version:***	1
Audit No:	40121	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	004
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:	10045239	***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:	6/1/1989	***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: 931054700
Layer: 2
Color: 8
General Color: BLACK
Mat1: 02
Most Common Material: TOPSOIL
Mat2: 12
Mat2 Desc: STONES
Mat3: 77
Mat3 Desc: LOOSE
Formation Top Depth: 2
Formation End Depth: 3
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931054701
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 3
Formation End Depth: 195
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931054699
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 01
Mat2 Desc: FILL
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931054704
Layer: 6
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 08
Mat2 Desc: FINE SAND
Mat3: 77
Mat3 Desc: LOOSE

Formation Top Depth: 274
Formation End Depth: 288
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931054703
Layer: 5
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 00
Mat2 Desc: UNKNOWN TYPE
Mat3:
Mat3 Desc:
Formation Top Depth: 242
Formation End Depth: 274
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931054702
Layer: 4
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 195
Formation End Depth: 242
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961523464
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10593809
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930079159
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 288
Casing Diameter: 7
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	991523464
Pump Set At:	
Static Level:	
Final Level After Pumping:	145
Recommended Pump Depth:	180
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	6
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:	30
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934104990
Test Type:	
Test Duration:	15
Test Level:	65
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934650200
Test Type:	
Test Duration:	45
Test Level:	145
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934389219
Test Type:	
Test Duration:	30
Test Level:	110
Test Level UOM:	ft

Water Details

Water ID:	933481732
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	288
Water Found Depth UOM:	ft

Site:
lot 4 ON

Database:
WWIS

Well ID:	1521309	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	5/14/1987
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2351
Casing Material:		***Form Version:***	1
Audit No:	NA	***Owner:***	
Tag:		***Street Name:***	

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

County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 004
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10043131
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 4/15/1987
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931047529
Layer: 4
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2: 31
Mat2 Desc: COARSE GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 64
Formation End Depth: 69
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931047527
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 6
Formation End Depth: 13
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID:	931047526
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	01
Most Common Material:	FILL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	6
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931047528
Layer:	3
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	13
Formation End Depth:	64
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961521309
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10591701
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930075308
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	69
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991521309
Pump Set At:	
Static Level:	34

Final Level After Pumping: 56
Recommended Pump Depth: 62
Pumping Rate: 13
Flowing Rate:
Recommended Pump Rate: 8
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 10
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934651234
Test Type: Draw Down
Test Duration: 45
Test Level: 56
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934390087
Test Type: Draw Down
Test Duration: 30
Test Level: 56
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934909442
Test Type: Draw Down
Test Duration: 60
Test Level: 56
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934105988
Test Type: Draw Down
Test Duration: 15
Test Level: 45
Test Level UOM: ft

Water Details

Water ID: 933478814
Layer: 1
Kind Code: 2
Kind: SALTY
Water Found Depth: 69
Water Found Depth UOM: ft

Site:
lot 4 ON

Database: ***WWIS***

Well ID: 1522281
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:

Data Entry Status:
Data Src: 1
Date Received: 5/26/1988
Selected Flag: Yes
Abandonment Rec:
Contractor: 2351

Casing Material:
Audit No: 26024
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:

Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 004
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10044094
DP2BR: 16
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 4/6/1988
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: 931050801
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 16
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931050802
Layer: 2
Color: 3
General Color: BLUE
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 16
Formation End Depth: 108
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961522281
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10592664
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930077116
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 40
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991522281
Pump Set At:
Static Level: 45
Final Level After Pumping: 100
Recommended Pump Depth: 102
Pumping Rate: 8
Flowing Rate:
Recommended Pump Rate: 6
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 10
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934903456
Test Type: Draw Down
Test Duration: 60
Test Level: 100
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934655041
Test Type: Draw Down
Test Duration: 45
Test Level: 100
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934385792
Test Type:	Draw Down
Test Duration:	30
Test Level:	100
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934109809
Test Type:	Draw Down
Test Duration:	15
Test Level:	85
Test Level UOM:	ft

Water Details

Water ID:	933480109
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	87
Water Found Depth UOM:	ft

Site:
lot 4 ON

Database:
WWIS

Well ID:	1521574	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	8/17/1987
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2351
Casing Material:		***Form Version:***	1
Audit No:	12554	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	004
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:	10043396	***Elevation:***	
DP2BR:	46	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	7/8/1987	***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:	931048526
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	46
Formation End Depth:	86
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931048525
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	46
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961521574
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10591966
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930075804
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	46
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID: 991521574
Pump Set At:
Static Level: 9
Final Level After Pumping: 74
Recommended Pump Depth: 82
Pumping Rate: 14
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: 2
Pumping Duration HR: 1
Pumping Duration MIN: 10
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934107049
Test Type: Draw Down
Test Duration: 15
Test Level: 65
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934909942
Test Type: Draw Down
Test Duration: 60
Test Level: 74
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934652292
Test Type: Draw Down
Test Duration: 45
Test Level: 74
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934390731
Test Type: Draw Down
Test Duration: 30
Test Level: 74
Test Level UOM: ft

Water Details

Water ID: 933479197
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 82
Water Found Depth UOM: ft

Site:
lot 4 ON

Database: ***WWIS***

Well ID: 1521312
Construction Date:
Primary Water Use: Domestic
Data Entry Status:
Data Src: 1
Date Received: 5/22/1987

Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 05913
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:

Selected Flag: Yes
Abandonment Rec:
Contractor: 1517
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 004
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10043134
DP2BR: 17
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 5/8/1987
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931047539
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 26
Mat2 Desc: ROCK
Mat3:
Mat3 Desc:
Formation Top Depth: 17
Formation End Depth: 80
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931047537
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:

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

Overburden and Bedrock Materials Interval

Formation ID: 931047538
Layer: 2
Color: 6
General Color: BROWN
Mat1: 14
Most Common Material: HARDPAN
Mat2: 28
Mat2 Desc: SAND
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 6
Formation End Depth: 17
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933109367
Layer: 1
Plug From: 0
Plug To: 24
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961521312
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10591704
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930075311
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 25
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991521312
Pump Set At:
Static Level: 25
Final Level After Pumping: 40
Recommended Pump Depth: 60

Pumping Rate: 20
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: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934909445
Test Type:
Test Duration: 60
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934390090
Test Type:
Test Duration: 30
Test Level: 35
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934651237
Test Type:
Test Duration: 45
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934105991
Test Type:
Test Duration: 15
Test Level: 30
Test Level UOM: ft

Water Details

Water ID: 933478817
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 79
Water Found Depth UOM: ft

Site:
lot 4 ON

Database:
WWIS

Well ID: 1520202
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:

Data Entry Status:
Data Src: 1
Date Received: 12/4/1985
Selected Flag: Yes
Abandonment Rec:
Contractor: 2351
Form Version: 1
Owner:

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:

Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 004
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10042047
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 11/8/1985
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: 931044052
Layer: 3
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 181
Formation End Depth: 187
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931044051
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 11
Formation End Depth: 181
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	931044050
Layer:	1
Color:	7
General Color:	RED
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	11
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961520202
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10590617
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930073385
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	187
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991520202
Pump Set At:	
Static Level:	80
Final Level After Pumping:	110
Recommended Pump Depth:	140
Pumping Rate:	18
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:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID: 934656006
Test Type: Draw Down
Test Duration: 45
Test Level: 110
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934377252
Test Type: Draw Down
Test Duration: 30
Test Level: 110
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934111432
Test Type: Draw Down
Test Duration: 15
Test Level: 110
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934904975
Test Type: Draw Down
Test Duration: 60
Test Level: 110
Test Level UOM: ft

Water Details

Water ID: 933477383
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 187
Water Found Depth UOM: ft

Site:
lot 4 ON

Database:
WWIS

Well ID: 1530273
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 191060
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: 11/6/1998
Selected Flag: Yes
Abandonment Rec:
Contractor: 6006
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 004
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10051808
DP2BR: 50
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 10/6/1998
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: 931075023
Layer: 1
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 10
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931075027
Layer: 5
Color: 6
General Color: BROWN
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 50
Formation End Depth: 56
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931075025
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 32
Formation End Depth: 42

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931075024
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 10
Formation End Depth: 32
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931075026
Layer: 4
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 42
Formation End Depth: 50
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933115405
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961530273
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10600378
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930090279
Layer: 2

Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 56
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930090278
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 50
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991530273
Pump Set At:
Static Level: 12
Final Level After Pumping: 30
Recommended Pump Depth: 46
Pumping Rate: 12
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: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934910965
Test Type: Recovery
Test Duration: 60
Test Level: 12
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934117864
Test Type: Recovery
Test Duration: 15
Test Level: 12
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934392848
Test Type: Recovery
Test Duration: 30
Test Level: 12
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934662419
Test Type: Recovery
Test Duration: 45
Test Level: 12
Test Level UOM: ft

Water Details

Water ID: 933490341
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 50
Water Found Depth UOM: ft

Site:
lot 4 ON

Database:
WWIS

Well ID: 1532284
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 232367
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: 9/17/2001
Selected Flag: Yes
Abandonment Rec:
Contractor: 1414
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 004
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10516734
DP2BR: 242
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 9/4/2001
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: 932832369
Layer: 2
Color: 2
General Color: GREY
Mat1: 05

Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 10
Formation End Depth: 225
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932832371
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 26
Mat2 Desc: ROCK
Mat3: 71
Mat3 Desc: FRACTURED
Formation Top Depth: 242
Formation End Depth: 245
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932832368
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 66
Mat2 Desc: DENSE
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 10
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932832370
Layer: 3
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 77
Mat2 Desc: LOOSE
Mat3:
Mat3 Desc:
Formation Top Depth: 225
Formation End Depth: 242
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933219734
Layer: 1

Plug From: 0
Plug To: 25
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961532284
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 11065304
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930094527
Layer: 2
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930094526
Layer: 1
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To:
Casing Diameter: 8
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930094528
Layer: 3
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991532284
Pump Set At:
Static Level: 20
Final Level After Pumping: 245
Recommended Pump Depth: 100
Pumping Rate: 35
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: No

Draw Down & Recovery

Pump Test Detail ID: 934660405
Test Type: Recovery
Test Duration: 45
Test Level: 20
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934116269
Test Type: Recovery
Test Duration: 15
Test Level: 20
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934917291
Test Type: Recovery
Test Duration: 60
Test Level: 20
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934399883
Test Type: Recovery
Test Duration: 30
Test Level: 20
Test Level UOM: ft

Water Details

Water ID: 934008456
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 244
Water Found Depth UOM: ft

Site:
lot 4 ON

Database:
WWIS

Well ID: 1532469
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 237273
Tag:
Construction Method:

Data Entry Status:
Data Src: 1
Date Received: 11/9/2001
Selected Flag: Yes
Abandonment Rec:
Contractor: 6006
Form Version: 1
Owner:
Street Name:
County: OTTAWA

Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	004
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:	10516919	***Elevation:***	
DP2BR:	0	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	h	***East83:***	
Code OB Desc:	Mixed in a Layer	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	10/8/2001	***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:	932832928
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	17
Mat3 Desc:	SHALE
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932832930
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	73
Mat2 Desc:	HARD
Mat3:	
Mat3 Desc:	
Formation Top Depth:	80
Formation End Depth:	135
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 932832932
Layer: 5
Color: 8
General Color: BLACK
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 200
Formation End Depth: 256
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932832929
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 4
Formation End Depth: 80
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932832931
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 135
Formation End Depth: 200
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933219906
Layer: 1
Plug From: 0
Plug To: 90
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961532469
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 11065489
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930094904
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To:
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930094903
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991532469
Pump Set At:
Static Level: 23
Final Level After Pumping: 250
Recommended Pump Depth: 250
Pumping Rate: 4
Flowing Rate:
Recommended Pump Rate: 3
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 2
Pumping Duration MIN: 30
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934660991
Test Type: Recovery
Test Duration: 45
Test Level: 140
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934917737
Test Type: Recovery
Test Duration: 60

Test Level: 100
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934401024
Test Type: Recovery
Test Duration: 30
Test Level: 170
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934116856
Test Type: Recovery
Test Duration: 15
Test Level: 205
Test Level UOM: ft

Water Details

Water ID: 934008686
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 130
Water Found Depth UOM: ft

Water Details

Water ID: 934008685
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 90
Water Found Depth UOM: ft

Site:
lot 4 ON

Database: ***WWIS***

Well ID: 1533667
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 221961
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: 4/14/2003
Selected Flag: Yes
Abandonment Rec:
Contractor: 3749
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 004
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10537501
Elevation:

DP2BR: 5
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 7/18/2002
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: 932905477
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3: 77
Mat3 Desc: LOOSE
Formation Top Depth: 0
Formation End Depth: 5
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932905478
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 5
Formation End Depth: 455
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933236219
Layer: 1
Plug From: 8
Plug To: 44
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961533667
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 11086071
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930097422
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 44
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991533667
Pump Set At:
Static Level: 150
Final Level After Pumping: 455
Recommended Pump Depth: 430
Pumping Rate: 4
Flowing Rate:
Recommended Pump Rate: 4
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934121212
Test Type: Draw Down
Test Duration: 15
Test Level: 225
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934913472
Test Type: Draw Down
Test Duration: 60
Test Level: 407
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934665345
Test Type: Draw Down
Test Duration: 45
Test Level: 343
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934395648
Test Type:	Draw Down
Test Duration:	30
Test Level:	293
Test Level UOM:	ft

Site:
lot 4 ON

Database:
WWIS

Well ID:	1534039	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	8/5/2003
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	6006
Casing Material:		***Form Version:***	1
Audit No:	263134	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	004
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:	10543154	***Elevation:***	
DP2BR:	7	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	h	***East83:***	
Code OB Desc:	Mixed in a Layer	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	7/2/2003	***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:	932924907
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	17
Mat2 Desc:	SHALE
Mat3:	11
Mat3 Desc:	GRAVEL
Formation Top Depth:	7
Formation End Depth:	12
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 932924908
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 12
Formation End Depth: 169
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932924906
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 7
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933240928
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961534039
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 11091724
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930098140
Layer: 2
Material: 4

Open Hole or Material: OPEN HOLE
Depth From:
Depth To:
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930098139
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991534039
Pump Set At:
Static Level:
Final Level After Pumping: 160
Recommended Pump Depth: 160
Pumping Rate: 8
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: 2
Pumping Duration HR: 1
Pumping Duration MIN: 30
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934657147
Test Type: Draw Down
Test Duration: 45
Test Level: 100
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934396770
Test Type: Draw Down
Test Duration: 30
Test Level: 100
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934914594
Test Type: Draw Down
Test Duration: 60
Test Level: 100
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934113573
Test Type: Draw Down
Test Duration: 15
Test Level: 100
Test Level UOM: ft

Water Details

Water ID: 934036928
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 155
Water Found Depth UOM: ft

Site:
lot 4 ON

Database:
WWIS

Well ID: 1534040
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: 263135
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: 8/5/2003
Selected Flag: Yes
Abandonment Rec:
Contractor: 6006
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 004
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10543155
DP2BR:
Spatial Status:
Code OB: _
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 7/17/2003
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: 961534040
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID:	11091725
Casing No:	1
Comment:	
Alt Name:	

Site:
lot 4 ON

Database:
WWIS

Well ID:	1534093	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/9/2003
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	249120	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	004
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:	10543208	***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:	7/9/2003	***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:	932925034
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	26
Mat2 Desc:	ROCK
Mat3:	
Mat3 Desc:	
Formation Top Depth:	210
Formation End Depth:	250
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 932925032
Layer: 1
Color:
General Color:
Mat1: 00
Most Common Material: UNKNOWN TYPE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 65
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932925033
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 26
Mat2 Desc: ROCK
Mat3:
Mat3 Desc:
Formation Top Depth: 65
Formation End Depth: 210
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961534093
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 11091778
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930098255
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991534093
Pump Set At:

Static Level:	110
Final Level After Pumping:	160
Recommended Pump Depth:	240
Pumping Rate:	10
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:	2
Pumping Duration HR:	1
Pumping Duration MIN:	30
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934113622
Test Type:	Draw Down
Test Duration:	15
Test Level:	120
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934914643
Test Type:	Draw Down
Test Duration:	60
Test Level:	160
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934397236
Test Type:	Draw Down
Test Duration:	30
Test Level:	130
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934657196
Test Type:	Draw Down
Test Duration:	45
Test Level:	145
Test Level UOM:	ft

Water Details

Water ID:	934037012
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	245
Water Found Depth UOM:	ft

Site:
lot 4 ON

Database:
WWIS

Well ID:	1529602	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/10/1997
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	

Water Type:
Casing Material:
Audit No: 176782
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:

Contractor: 6006
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 004
Concession:
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10051137
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 7/30/1997
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: 931073270
Layer: 2
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 12
Formation End Depth: 23
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931073269
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 12

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931073271
Layer: 3
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 13
Mat2 Desc: BOULDERS
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 23
Formation End Depth: 36
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933114627
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961529602
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10599707
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930089263
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 36
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991529602
Pump Set At:
Static Level: 12
Final Level After Pumping: 20
Recommended Pump Depth: 27
Pumping Rate: 25
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: No

Draw Down & Recovery

Pump Test Detail ID: 934909261
Test Type: Recovery
Test Duration: 60
Test Level: 12
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934391143
Test Type: Recovery
Test Duration: 30
Test Level: 12
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934116171
Test Type: Recovery
Test Duration: 15
Test Level: 12
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934660307
Test Type: Recovery
Test Duration: 45
Test Level: 12
Test Level UOM: ft

Water Details

Water ID: 933489617
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 36
Water Found Depth UOM: ft

Site:
lot 4 ON

Database:
WWIS

Well ID: 1528175
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 115159
Tag:
Construction Method:

Data Entry Status:
Data Src: 1
Date Received: 9/15/1994
Selected Flag: Yes
Abandonment Rec:
Contractor: 6455
Form Version: 1
Owner:
Street Name:
County: OTTAWA

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

Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 004
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049714
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 9/2/1994
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: 931068830
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 30
Formation End Depth: 49
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068828
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 77
Mat2 Desc: LOOSE
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 11
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068832
Layer: 5
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 59
Formation End Depth: 67
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068831
Layer: 4
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3: 14
Mat3 Desc: HARDPAN
Formation Top Depth: 49
Formation End Depth: 59
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068829
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 88
Mat2 Desc: THICK
Mat3:
Mat3 Desc:
Formation Top Depth: 11
Formation End Depth: 30
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113016
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528175
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10598284
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930086896
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 67
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930086895
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 65
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991528175
Pump Set At:
Static Level: 30
Final Level After Pumping: 42
Recommended Pump Depth: 60
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: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934648176
Test Type: Draw Down
Test Duration: 45
Test Level: 42
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934387239
Test Type: Draw Down
Test Duration: 30

Test Level: 42
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934112430
Test Type: Draw Down
Test Duration: 15
Test Level: 36
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934905359
Test Type: Draw Down
Test Duration: 60
Test Level: 42
Test Level UOM: ft

Water Details

Water ID: 933487774
Layer: 1
Kind Code: 3
Kind: SULPHUR
Water Found Depth: 66
Water Found Depth UOM: ft

Site:
lot 4 ON

Database: ***WWIS***

Well ID: 1525984
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 111453
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: 12/9/1991
Selected Flag: Yes
Abandonment Rec:
Contractor: 6587
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 004
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047719
DP2BR: 11
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 11/16/1991
Remarks:
Elevrc Desc:
Location Source Date:

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

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

Overburden and Bedrock Materials Interval

Formation ID: 931062872
Layer: 3
Color: 2
General Color: GREY
Mat1: 17
Most Common Material: SHALE
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 16
Formation End Depth: 48
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931062871
Layer: 2
Color: 2
General Color: GREY
Mat1: 17
Most Common Material: SHALE
Mat2: 80
Mat2 Desc: POROUS
Mat3:
Mat3 Desc:
Formation Top Depth: 11
Formation End Depth: 16
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931062870
Layer: 1
Color: 6
General Color: BROWN
Mat1: 14
Most Common Material: HARDPAN
Mat2: 28
Mat2 Desc: SAND
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 0
Formation End Depth: 11
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933111478
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961525984
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10596289
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930083555
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930083556
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 40
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991525984
Pump Set At:
Static Level: 15
Final Level After Pumping: 45
Recommended Pump Depth: 45
Pumping Rate: 6
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: 2
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934389813
Test Type:
Test Duration: 30
Test Level: 45
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934106179
Test Type:
Test Duration: 15
Test Level: 35
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934907533
Test Type:
Test Duration: 60
Test Level: 45
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934650336
Test Type:
Test Duration: 45
Test Level: 45
Test Level UOM: ft

Water Details

Water ID: 933485148
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 45
Water Found Depth UOM: ft

Site:
lot 4 ON

Database:
WWIS

Well ID: 1524643
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 67168
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: 7/20/1990
Selected Flag: Yes
Abandonment Rec:
Contractor: 2351
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 004
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10046391
DP2BR:
Spatial Status:
Code OB: o

Elevation:
Elevrc:
Zone: 18
East83:

Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 7/3/1990
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931058619
Layer: 3
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 53
Formation End Depth: 58
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931058618
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 7
Formation End Depth: 53
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931058617
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 7
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961524643
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10594961
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930081229
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 58
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991524643
Pump Set At:
Static Level: 24
Final Level After Pumping: 47
Recommended Pump Depth: 52
Pumping Rate: 18
Flowing Rate:
Recommended Pump Rate: 6
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 45
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934902991
Test Type: Draw Down
Test Duration: 60
Test Level: 47
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934109418
Test Type: Draw Down
Test Duration: 15
Test Level: 38
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934384831
Test Type: Draw Down

Test Duration:	30
Test Level:	46
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934654610
Test Type:	Draw Down
Test Duration:	45
Test Level:	47
Test Level UOM:	ft

Water Details

Water ID:	933483326
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	58
Water Found Depth UOM:	ft

Site:
lot 4 ON

Database:
WWIS

Well ID:	1524123	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	1/26/1990
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3644
Casing Material:		***Form Version:***	1
Audit No:	56300	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	004
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:	10045895	***Elevation:***	
DP2BR:	56	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	9/14/1989	***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: 931056931
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 28
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931056933
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 56
Formation End Depth: 84
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931056932
Layer: 2
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Mat2 Desc: BOULDERS
Mat3:
Mat3 Desc:
Formation Top Depth: 28
Formation End Depth: 56
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961524123
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10594465
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930080343
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 59
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930080344
Layer: 2
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To: 84
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991524123
Pump Set At:
Static Level: 20
Final Level After Pumping: 75
Recommended Pump Depth: 75
Pumping Rate: 7
Flowing Rate:
Recommended Pump Rate: 7
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934391933
Test Type:
Test Duration: 30
Test Level: 75
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934107704
Test Type:
Test Duration: 15
Test Level: 75
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934652483
Test Type:
Test Duration: 45
Test Level: 75
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934910103
Test Type:	
Test Duration:	60
Test Level:	75
Test Level UOM:	ft

Water Details

Water ID:	933482665
Layer:	1
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	78
Water Found Depth UOM:	ft

Site:
lot 4 ON

Database:
WWIS

Well ID:	1523900	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/12/1989
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1517
Casing Material:		***Form Version:***	1
Audit No:	44250	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	004
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:	10045672	***Elevation:***	
DP2BR:	65	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	9/6/1989	***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:	931056135
Layer:	2

Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 5
Formation End Depth: 12
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931056137
Layer: 4
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 44
Formation End Depth: 65
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931056138
Layer: 5
Color: 3
General Color: BLUE
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 65
Formation End Depth: 100
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931056134
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2: 81
Mat2 Desc: SANDY
Mat3: 05
Mat3 Desc: CLAY
Formation Top Depth: 0
Formation End Depth: 5
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931056136
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 12
Formation End Depth: 44
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933110470
Layer: 1
Plug From: 2
Plug To: 25
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961523900
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10594242
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930079941
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 65
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991523900
Pump Set At:
Static Level:
Final Level After Pumping: 70
Recommended Pump Depth: 80
Pumping Rate: 20
Flowing Rate:
Recommended Pump Rate: 15
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:

Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934390890
Test Type:
Test Duration: 30
Test Level: 60
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934651864
Test Type:
Test Duration: 45
Test Level: 65
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934106661
Test Type:
Test Duration: 15
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934909068
Test Type:
Test Duration: 60
Test Level: 70
Test Level UOM: ft

Water Details

Water ID: 933482337
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 98
Water Found Depth UOM: ft

Site:
lot 4 ON

Database:
WWIS

Well ID: 1530022
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 180720
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:

Data Entry Status:
Data Src: 1
Date Received: 6/11/1998
Selected Flag: Yes
Abandonment Rec:
Contractor: 6455
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 004
Concession:
Concession Name: LI

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: 10051557
DP2BR: 54
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 5/22/1998
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: 931074231
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 78
Mat2 Desc: MEDIUM-GRAINED
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 54
Formation End Depth: 70
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931074230
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3: 14
Mat3 Desc: HARDPAN
Formation Top Depth: 36
Formation End Depth: 54
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931074228
Layer: 1
Color: 6
General Color: BROWN

Mat1: 05
Most Common Material: CLAY
Mat2: 81
Mat2 Desc: SANDY
Mat3: 88
Mat3 Desc: THICK
Formation Top Depth: 0
Formation End Depth: 25
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931074229
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 88
Mat2 Desc: THICK
Mat3:
Mat3 Desc:
Formation Top Depth: 25
Formation End Depth: 36
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933115138
Layer: 1
Plug From: 0
Plug To: 21
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961530022
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10600127
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930089821
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 70
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930089820
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 54
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991530022
Pump Set At:
Static Level: 17
Final Level After Pumping: 26
Recommended Pump Depth: 40
Pumping Rate: 50
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: 2
Pumping Duration HR: 12
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934392215
Test Type:
Test Duration: 30
Test Level: 26
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934909911
Test Type:
Test Duration: 60
Test Level: 26
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934661373
Test Type:
Test Duration: 45
Test Level: 26
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934117237
Test Type:
Test Duration: 15
Test Level: 26
Test Level UOM: ft

Water Details

Water ID: 933490035
Layer: 1
Kind Code: 4
Kind: MINERIAL
Water Found Depth: 66
Water Found Depth UOM: ft

Site:
lot 4 ON

Database:
WWIS

Well ID: 1523007
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 37551
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: 11/2/1988
Selected Flag: Yes
Abandonment Rec:
Contractor: 2351
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 004
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10044813
DP2BR: 55
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 10/17/1988
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: 931053218
Layer: 2
Color: 3
General Color: BLUE
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 55
Formation End Depth: 174
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	931053217
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	55
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933110061
Layer:	1
Plug From:	4
Plug To:	36
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961523007
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10593383
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930078398
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	55
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991523007
Pump Set At:	
Static Level:	40
Final Level After Pumping:	159
Recommended Pump Depth:	168
Pumping Rate:	7
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: 2
Pumping Duration HR: 1
Pumping Duration MIN: 55
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934906193
Test Type: Draw Down
Test Duration: 60
Test Level: 159
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934112163
Test Type: Draw Down
Test Duration: 15
Test Level: 75
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934388005
Test Type: Draw Down
Test Duration: 30
Test Level: 95
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934648568
Test Type: Draw Down
Test Duration: 45
Test Level: 120
Test Level UOM: ft

Water Details

Water ID: 933481101
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 128
Water Found Depth UOM: ft

Site:
lot 4 ON

Database: ***WWIS***

Well ID: 1522421
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 13205
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:

Data Entry Status:
Data Src: 1
Date Received: 7/22/1988
Selected Flag: Yes
Abandonment Rec:
Contractor: 2351
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 004

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

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

Bore Hole Information

Bore Hole ID: 10044233
DP2BR: 11
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 6/28/1988
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: 931051379
Layer: 3
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 186
Formation End Depth: 204
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931051377
Layer: 1
Color: 6
General Color: BROWN
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Mat2 Desc: BOULDERS
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 11
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931051378
Layer: 2

Color: 3
General Color: BLUE
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 11
Formation End Depth: 186
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933109887
Layer: 1
Plug From: 0
Plug To: 42
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961522421
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10592803
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930077361
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 42
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991522421
Pump Set At:
Static Level: 170
Final Level After Pumping: 180
Recommended Pump Depth: 199
Pumping Rate: 18
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: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0

Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934385210
Test Type: Draw Down
Test Duration: 30
Test Level: 180
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934903980
Test Type: Draw Down
Test Duration: 60
Test Level: 180
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934110344
Test Type: Draw Down
Test Duration: 15
Test Level: 180
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934655153
Test Type: Draw Down
Test Duration: 45
Test Level: 180
Test Level UOM: ft

Water Details

Water ID: 933480312
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 186
Water Found Depth UOM: ft

Site:
lot 4 ON

Database:
WWIS

Well ID: 1522420
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 05926
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):

Data Entry Status:
Data Src: 1
Date Received: 7/4/1988
Selected Flag: Yes
Abandonment Rec:
Contractor: 1517
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 004
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:

Flow Rate:
Clear/Cloudy:

UTM Reliability:

Bore Hole Information

Bore Hole ID: 10044232
DP2BR: 74
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 5/31/1988
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: 931051376
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 74
Formation End Depth: 95
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931051373
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 20
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931051375
Layer: 3
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28

Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 60
Formation End Depth: 74
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931051374
Layer: 2
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 20
Formation End Depth: 60
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933109886
Layer: 1
Plug From: 0
Plug To: 25
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961522420
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10592802
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930077360
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 79
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991522420
Pump Set At:

Static Level: 10
Final Level After Pumping: 15
Recommended Pump Depth:
Pumping Rate: 20
Flowing Rate:
Recommended Pump Rate: 18
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934385209
Test Type:
Test Duration: 30
Test Level: 15
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934655152
Test Type:
Test Duration: 45
Test Level: 15
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934903979
Test Type:
Test Duration: 60
Test Level: 15
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934109924
Test Type:
Test Duration: 15
Test Level: 13
Test Level UOM: ft

Water Details

Water ID: 933480311
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 74
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.
Environment and Climate Change Canada cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

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.
The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

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 - Jun 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-Dec 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-Jul 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-Jul 31, 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-Jul 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-Jul 31, 2020

Environmental Effects Monitoring: Federal EEM

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007*

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-Apr 30, 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.
The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

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-Apr 2020

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.
The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

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-Apr 30, 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.
The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

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-Mar 31, 2020

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-May 31, 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-Jul 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: Oct 2011-Jul 31, 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.
The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

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-Jul 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-May 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

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

Government Publication Date: 1988-Nov 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.
The coronavirus pandemic is cited by the agency responsible for tank regulations and data as an explanation for delays in releasing data pursuant to requests.

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-JuL 31, 2020

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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: Apr 30, 2020

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.