Phase I Environmental Site Assessment

Rosseau Springs Limited

Type of Document:
Report

Project Name:
Proposed Rosseau Springs Residential Development
Rosseau, Ontario

Project Number:
SUD-22025423-A0_rev.1

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Date Submitted:
2022-12-05

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1. Executive Summary

EXP Services Inc. (EXP) was retained by Rosseau Springs Limited to complete a Phase I Environmental Site Assessment (ESA) for the properties located immediately south of Hwy. 632 and adjacent to Maplehurst Road, in Rosseau, Ontario; hereinafter referred to as the 'Site'. The purpose of this Phase I ESA was to determine if past or present Site activities have resulted in potential contamination at the Site.

The work was completed in accordance with the general requirements of CSA Standard Z768-01, November 2001, which outlines the protocol for Phase I Environmental Site Assessments. As per Z768-01, the scope of work included a review of historical land-use and occupancy records, a visual inspection of the Site and surrounding properties, and interviews with person(s) having knowledge of past and present Site activities.

Please note that general environmental management and housekeeping practices were reviewed as part of this assessment insofar as they could impact the environmental condition of the property; however, a detailed review of regulatory compliance issues was beyond the scope of our investigation.

This Phase I ESA does not constitute an audit of environmental management practices, indicate geotechnical conditions, or identify geologic hazards.

A written response from some of the regulatory agencies typically requires several months to receive. If upon receipt of the response from the regulatory agencies significant environmental issues are identified, EXP will forward their response to Rosseau Springs Limited as an addendum to this report.

Based on the results of this Phase I Environmental Site Assessment, a Phase II Environmental Site Assessment is not recommended to assess groundwater and soil quality at the Site. As such, no further work is recommended at the Site.

It is possible unexpected environmental conditions may be encountered on the Site, which have not been explored within the scope of this Phase I ESA summary. Should such an event or land-use change occur, EXP should be notified so we may determine if modifications to our conclusions and recommendations are necessary.

This executive summary is a brief synopsis of the report and should not be read in lieu of reading the report in its entirety.

2. Introduction

EXP Services Inc. (EXP) was retained by Rosseau Springs Limited to complete a Phase I Environmental Site Assessment (ESA) for the property located immediately south of Highway 632 and adjacent to Maplehurst Road in Rosseau, Ontario; hereinafter referred to as the 'Site'. Drawing 1 contained in Appendix A shows the Site plan and its relative location to surroundings.

EXP conducted this Phase I ESA in accordance with the general requirements of CSA Standard Z768-01 (R2016) for Phase I ESAs.

We understand that this Phase I ESA will be used for a due diligence investigation in support of a development.

2.1 Objective

The objective of the Phase I ESA was to identify potential Site contamination or potential contaminating activities.

2.2 Scope of Work

The work was carried out in general accordance with the Canadian Standards Association (CSA) Standard Z768-01 (R2016), 'Phase I Environmental Site Assessment'.

The scope of work included a review of historical land-use and occupancy records, a visual inspection of the Site and surrounding properties, interviews with person(s) having knowledge of past Site activities, and compilation of this information into a Phase I ESA report. Intrusive sampling and analysis were not part of this investigation.

2.3 Deviations

This Phase I ESA does not contain any deviations from the principal components of the CSA Standard Z768-01 (R2016) for Phase I ESAs.

3. Site Description

The Site located immediately south of Highway 632 and adjacent to Maplehurst Drive is a generally forested, vacant lot with no noted developments. Surrounding properties consisted of undeveloped, forested areas to the north and sparse residential developments to the west, south and east along Lake Rosseau. The Site is within an area with moderate-high local relief, ranging from approximately 281 masl in north areas, to 246 masl in south areas. Topography in areas adjacent to the Site show similar topographic variations, with a topographic high of 274 masl to the southwest of the Site (beyond Sucker Bay) and a topographic high of 264 masl to the east. Topographic lows were noted in all shoreline areas around the Site, which showed elevations of approximately 230 masl. The Site showed no apparent structural developments and no evidence of fill materials; however, clearings from old roadways were apparent in northeast areas of the Site. Rock outcrops were noted in multiple areas throughout the Site, with steep gradients in the north and east areas of the Site. The Site is bounded by municipal roadways to the north and south, and bisected by a roadway (Maplehurst Drive) spanning approximately northwest to southeast. During the Site visit, ponding was noted in central areas of the Site, while a single approximately west to east flowing waterbody was noted in the north areas of the Site. Based on local area topography and surrounding waterbodies, the Site appears to act as a drainage divide, with groundwater in west areas of the Site flowing west to Sucker Bay, while groundwater in east areas of the Site would flow east to Cameron Bay. Groundwater in north areas of the Site is suspected to flow towards the aforementioned waterbody, whereby surface water is then carried east to Cameron Bay. Overall, groundwater is suspected to follow Site topography and flow towards Lake Rosseau; however, the *actual* groundwater flow direction can only be determined by a long-term groundwater elevation investigation in the area.

4. Records Review/Land-use History

Available public records, as noted below, were reviewed to obtain information and to establish the land-use history of the Site and the adjacent properties.

4.1 Aerial Photographs

Aerials were used from 1985, 2009, 2014 and 2022 (Appendix C). Observations were as follows:

Aerial Photograph	Details
1985	The Site appears largely forested with no developments on the Site. A major roadway (Hwy. 632) can be seen running north of the Site, while a municipal road (Maplehurst Road) can be noted through the center of the Site.
2009	No significant changes can be noted to the Site or adjacent areas when compared to the 1985 aerial photograph; however, minor residential developments along Lake Rosseau can now be seen.
2014	No significant changes can be noted to the Site or adjacent areas when compared to the 2009 aerial photograph; however, minor residential developments along Lake Rosseau can be noted.
2022	No significant changes can be noted to the Site or adjacent areas when compared to the 2014 aerial photograph; however, minor residential developments along Lake Rosseau can be noted.

4.2 Fire Insurance Plans and Inspection Records

Fire insurance plans and inspection records were not available for the Site at the time of this Phase I ESA.

4.3 Property Use Directories

A Vernon's search was not ordered for the Site property and surrounding properties. Due to the location of the Sites, a Vernon's search was deemed unnecessary.

4.4 Land Title Search

Land title search was not completed on the site as the site remains undeveloped.

4.5 Regulatory Information

Regulatory agencies at the federal, provincial, and municipal levels were searched as part of the EcoLog Environmental Risk Information Services search to obtain information regarding environmental permits, past or pending environmental control orders or complaints, outstanding environmental regulatory non-compliance issues and Sewer Use By-Law infractions.

4.6 Ecolog Environmental Risk Information Limited (ERIS) Report

A search of provincial and federal databases for records pertaining to the Site and adjacent properties was conducted by EcoLog Environmental Risk Information Services (or EcoLog ERIS). EcoLog ERIS is an environmental database and information service provider. EXP has confirmed neither the completeness nor the accuracy of the records that were provided. A copy of the EcoLog ERIS report is provided in Appendix D.

The EcoLog ERIS report identified no items for the Site and ten (10) records for areas within 0.25 km of the Site. Of the ten (10) records, all were Water Well Information System (WWIS) records and, as such, were not considered potentially contaminating activities (PCAs). Therefore, no PCAs were noted on or within 250 m of the Site boundary.

Based on the review of ERIS reports, maps and imagery, and considering the assumed direction of groundwater flow, the duration and nature of each PCA (if any), the length of time that has passed for each PCA (if any), the relative elevation differences between the Site and each PCA (if any), the infrastructure located between the Site and PCAs (if any), and observations during the Site Visit, the Site is considered to have a low potential for soil and/or groundwater contamination.

4.7 Prior Environmental or Geotechnical Reports

No prior Environmental or Geotechnical Reports were available for this PIESA.

4.8 Topography

Topographic maps were reviewed from the Ministry of Natural Resources and Forestry and Google Earth. Upon review of the topographic map, the topography of the Site is generally highest in north areas, reaching approximately 281 masl. Areas in the south, west and east parts of the Site were generally lowest, ranging from approximately 240 to 250 masl. Adjacent properties to the south, east and west of the Site showed relatively steep gradients down to Lake Rosseau, while forested areas north of the Site reached elevations exceeding 280 masl. In general, Site topography was highest in the north central areas of the Site and lowest in areas closest to Lake Rosseau. Groundwater is expected to follow topography and flow away from the topographic high in the north-central area of the Site; as such, it is assumed groundwater in east areas will flow east, groundwater in west areas will flow west and groundwater in south areas will flow south towards Lake Rosseau.

No environmental concerns were noted upon review of the topographic map.

4.9 Geological and Soil Maps

The following geological maps were reviewed:

Ontario Geological Survey OGS Earth https://www.geologyontario.mndm.gov.on.ca/ogsearth.html#quaternary-geology and Ontario Geological Survey OGS Earth https://www.geologyontario.mndm.gov.on.ca/ogsearth.html#bedrock-geology.

Bedrock geology maps suggest the Site is underlain by magmatic rocks and gneisses, including layered biotite and migmatites, quartzofeldspathic gneisses , orthogneisses and paragneisses. Quaternary geology maps suggest the Site is underlain by undifferentiated igneous and metamorphic bedrock, exposed at the surface or covered by a thin, discontinuous layer of drift. During test-pitting, the depth to bedrock beneath the Site varied from surface outcrops to greater than 10 feet below grade.

4.10 Company Records

No company records were available.

4.11 Land-use Documents

A review of the following publications was carried out as part of this Phase I ESA:

- Inventory of Coal Gasification Plant Waste Sites in Ontario (June 1991); and
- Waste Disposal Site Inventory (June 1991).

The review of the above publications did not indicate the presence of any nearby waste disposal Sites or Coal Gasification Plant Sites within one (1) km of the subject property.

4.12 Utility Company Records

No utility records were available at the time of this investigation.

4.13 Public Health Concerns

No public health concerns were observed during EXP's Phase I ESA Site visit.

5. Visual Site Assessment

On October 26, 2022, Jamie Batten of EXP conducted the Site visit in accordance with EXP's internal health and safety protocols and the Ministry of Labour's Health and Safety Regulations. The Site visit was conducted to assess current Site conditions.

Please note that general environmental management and housekeeping practices were reviewed as part of this assessment insofar as they could impact the environmental condition of the property, however, a detailed review of regulatory compliance issues was beyond the scope of our investigation.

Photographs of the Site are included in Appendix B.

5.1 Subject Site

Property Use

The subject Site is located immediately south of Hwy. 632 and is bisected by Maplehurst Road in Rosseau, Ontario (as shown in Drawing 1). At the time of the investigation, the subject Site was forested and vacant, with no noted developments. One flowing waterbody was noted in the north area of the Site; however, significant ponding was noted and additional flowing waterbodies may be present.

Buildings and Structures

No buildings or engineered structures were noted on the Site during the Site visit.

Limitations at the Site

No limitations were encountered during the time of investigation.

Chemical Inventory, Storage and Handling

No significant amounts of chemicals were observed to be stored at the Site.

Storage Tanks and Containers

No aboveground or underground storage tanks were reported at/near the Site.

Special Attention Substances

Polychlorinated Biphenyls (PCBs)

The manufacture of PCBs in North America was prohibited under the Toxic Substances Control Act (1977). Their use as a constituent of new products manufactured in or imported into Canada was prohibited by regulations in 1977 and 1980. As such, Sites developed or significantly renovated after 1980 are unlikely to have PCB containing equipment on the Site. Potential equipment, which could contain PCBs, includes fluorescent mercury and sodium vapor light ballasts, oil filled capacitors and transformers. A review of the Site was conducted to evaluate the potential presence of PCB containing equipment in use or stored at the Site.

Any electrical equipment containing PCBs must be disposed in accordance with Ontario Regulation 362 when it is removed from service for disposal (While in operation, any PCB containing devices are not considered PCB until out of service).

No electrical equipment suspected of containing PCBs, such as fluorescent light fixtures, was observed on Site.

Asbestos-Containing Materials (ACMs)

Asbestos-containing materials (ACM's) are fibrous hydrated silicates, and can be found in building materials as either "unbound" or "bound" asbestos. Friable asbestos refers to materials where the asbestos fibres can be separated from the material with which it is associated.

Non-Friable asbestos refers to asbestos that is associated with a binding agent (such as tar or cement).

No ACMs were observed on Site.

Ozone Depleting Substances (ODSs)

Freons and halons consist of chlorofluorocarbons (CFCs), which were banned from production in Canada in 1996, with the ban on their use slated for 2010. The use of these materials is still permitted but a licensed contractor must service equipment, such that CFCs are contained and not released to the environment during servicing or operation.

Under the management of a licensed contractor, CFC containing equipment does not represent a significant threat to human health or the environment. However, these materials, if present, will require replacement by 2010 and as such consideration should be given to future phase out programs.

Maintenance of refrigerant containing equipment, if any, should continue to be completed in compliance with Ontario Regulation 189/94 by a licensed refrigeration contractor. The equipment should only be repaired, removed, or serviced by an appropriately licensed contractor.

No ODSs were observed on Site.

Lead

Lead has frequently been used in oil-based paints, roofing materials, cornices, tank linings, electrical conduits and soft solders for tinplate and plumbing. The use of lead-based paints (LBPs) was phased out circa 1976. Paint that was produced or used between 1976 and 1980 may contain small amounts of lead. Paint that was produced or used prior to 1950 may contain high levels of lead.

The main concern regarding lead paint is its potential to become lead dust or chips either through deterioration and/or mechanical means (i.e., sanding, abrasion, etc.). Exposure to lead dust or chips occurs by ingestion or inhalation.

Because no buildings are located on the Site, no LBPs are suspected on the Site.

Urea Formaldehyde Foam Insulation (UFFI)

UFFI was formerly sprayed into cavities of walls and above ceilings as an insulating material and has been discontinued from use since the early 1980's.

Because no buildings are located on the Site, no UFFI is suspected on the Site.

Mercury

Mercury may be found in some batteries, light bulbs, old paints, thermostats and old mirrors.

Based on an investigation by Consumer and Corporate Affairs Canada, and an assessment of potential health risks by Health and Welfare Canada, in 1991 the decision was made to eliminate the use of mercury compounds in indoor latex paints.

The Canadian Paint and Coatings Association (CPCA) supported the withdrawal and all Canadian manufacturers and formulators of the preservative voluntarily agreed to remove "interior uses" from their product labels.

Because no buildings are located on the Site, no mercury containing devices or products are suspected on the Site.

Mould

No visible microbial growth or water damage was noted during the Site visit.

Radon

Based on the overburden and bedrock materials underlying the Site, it is unlikely that radon gas emissions would be a concern.

Other Substances

No other special attention substances were observed to be present at the Site at the time of this Phase I ESA.

Unidentified Substances

No unidentified substances were observed to be present at the Site at the time of this Phase I ESA.

Drains and Sumps

No drains or sumps were present on Site.

Building Heating and Cooling Systems

No heating or cooling systems were observed at the Site.

Mechanical Equipment

No mechanical equipment was noted during the Site inspection.

Air Emissions

Regulatory control of air emissions in Ontario is the responsibility of the MOE. According to the Environmental Protection Act (EPA), a Certificate of Approval (C of A (Air)) is required for any equipment that may discharge a contaminant into the natural environment if the equipment was installed, modified or altered after June 29, 1988. According to the MOE, permitting of any equipment installed prior to this date, which has not been modified or altered, is not required. The EPA also provides a list of specific equipment and conditions, which are exempt from requiring a C of A (Air) (i.e. fuel burning equipment for comfort heating in a building using natural gas or number 2 fuel oil at a rate of less than 1.5 million British Thermal Units per hour [BTU/hour]).

During the Site visit, no active or passive air emissions from heating appliances, incinerators, boilers, central heating plants etc. were observed at the Site.

Odour

No odours were noted at the Site during the Site visit.

Noise

No excessive noise was detected at the Site during the Site investigation.

Sewage and Wastewater Disposal

No sewage or wastewater disposal structures currently exist at the Site.

Liquid Chemical Waste Generation, Storage & Disposal

No concerns regarding liquid waste generation, storage, and disposal were noted during the Site inspection.

Solid Waste Generation, Storage & Disposal

No special or hazardous solid industrial wastes are generated at the Site.

Water Courses, Ditches and Site Drainage

Multiple waterbodies were noted on the Site, with a significant west-east flowing waterbody in the north area of the Site. Stagnant, ponded water was also noted in central areas of the Site.

Abandoned and Existing Well

No abandoned or existing wells were noted on the Site during the Site visit.

Potable Water Sources

The Site will be supplied by private, residential wells.

Fill Materials

No fill materials were noted on Site, nor were fill materials ever on Site to the best of the current owner's knowledge.

Stained Materials

No staining noted during the Site visit.

Stressed Vegetation

No stressed vegetation was noted at the time of this Phase I ESA.

Roads, Parking Facilities and Right of Ways

The Site may be accessed from Hwy. 632 to the north, or by adjacent roadways to the south and east areas of the Site.

Pits and Lagoons

No pits or lagoons were noted on the property at the time of the Site visit.

Other Issues

Some debris was noted throughout the Site (old vehicle, other metal debris) in northeast areas of the Site, but are not suspected of being an environmental concern.

5.2 Adjacent Properties

Adjacent properties were observed at the time of EXP's Site visit. The findings of the visual reconnaissance of the adjacent properties are as follows:

North – forested, undeveloped lands beyond Hwy 632.

South – lightly developed residential areas, beyond which is a major waterbody (Lake Rosseau).

East – lightly developed residential areas, beyond which is a major waterbody (Lake Rosseau).

West – lightly developed residential areas, beyond which is a major waterbody (Lake Rosseau).

Based on the visual inspection, no PCAs or Areas of Potential Environmental Concern (APECs) were identified.

6. Interviews

6.1 Methodology

EXP's standard questionnaire was used to conduct an interview with the Site representative. Jamie Batten interviewed Mr. Rem Steele (Site Representative) in-person (October 26, 2022) and via email (October 28, 2022).

6.2 Limitations

No limitations were encountered during the interview process.

6.3 Interview Participants

Site Personnel

During our evaluation, an interview was held with the following Site personnel:

- Mr. Rem Steele (Site representative)

Based on the interview, the following information and issues were identified.

- The property was acquired in July 2021.
- The Sites have never been structurally developed.
- There have been no environmental spills (> 25 L) on the Site, to the best of the representative's knowledge.
- There have been no environmental/geotechnical reports conducted on the property in the past.
- There have been no orders or fines charged to the current or past property owners.
- There are no certificates of approval for the Site.
- The Site is currently zoned as Rural and Environmentally Protected.
- No storage tanks (above or underground) have ever been on the Site.
- No historical wells have ever been on the Site, but adjacent properties are serviced by wells.
- No fill materials are present on the Site (to the best of owner's knowledge).
- The Site will be serviced by hydroOne, but wells and septic will be constructed by new property owners.

Based on the interview, no APECs were identified on the Site.

Occupants of Site

There are no current residential occupants of the Site during this Phase I ESA.

Third Parties

Third parties were not interviewed during this Phase I ESA.

Government Officials

No government officials were interviewed during this Phase I ESA.

7. Conclusions

The results of this Phase I ESA identified no PCAs on or near the Site and no APECs on the Site. As such, no additional work is required and a PIIESA is not required to assess groundwater and soil quality.

8. Recommendations

Based on the results of this Phase I Environmental Site Assessment, a Phase II Environmental Site Assessment is not recommended to assess groundwater and soil quality at the Site.

It is possible that unexpected environmental conditions may be encountered on the Site, which has not been explored within the scope of this Phase I ESA summary. Should such an event or land-use change occur, EXP should be notified in order to determine if modifications to our conclusions and recommendations are necessary.

9. Qualifications of Assessor

EXP provides a full range of environmental services through a full-time Environmental Services Group.

EXP's Earth and Environment Group has developed a strong working relationship with clients in both the private and public sectors and has developed a positive relationship with Ontario Ministry of the Environment. Personnel in the numerous branch offices form part of a large network of full-time dedicated environmental professionals in the EXP organization.

The records review was completed by Yves Beauparlant, P.Eng., and the Site visit and data review/assessment was completed by Jamie Batten, GIT. All members of the team have been trained in conducting Phase I ESAs in accordance with the CSA Standard.

Jamie Batten, GIT is an Environmental Technologist and has conducted numerous Phase I ESAs for commercial/industrial/residential clients and government agencies, and is routinely engaged in this field.

Yves Beauparlant, P.Eng. is a Professional Engineer with EXP who has broad experience in a wide range of engineering projects including numerous Phase I and II ESA's, remediation and abatement projects and is currently the Manager of Earth and Environmental Services for Northeastern Ontario.

10. Limitations

The information presented in this report is based on information provided by others and visual observations as identified herein. This type of limited investigation is designed to provide information to support an overall Phase I Environmental Site Assessment (ESA) of the current environmental conditions of the Site. Sampling and analysis of soils, groundwater, and other material was not carried out as part of this investigation. The findings cannot be extended to portions of the Site, which were unavailable for direct observation at the time of EXP's observations.

The role of the Site assessor is to document evidence of contamination and not to judge the acceptability of risks associated with contamination (Clause 0.2.7 of CSA Z768-01). To further reduce or eliminate uncertainty would require a Phase II investigation.

It should be noted that some of the information and resultant conclusions of a Phase I are time sensitive.

Achieving the objectives stated in this report has required us to arrive at conclusions based upon the best information presently known to us. No investigative method can completely eliminate the possibility of obtaining partially imprecise or incomplete information; it can only reduce the possibility to an acceptable level. Professional judgment was exercised in gathering and analyzing the information obtained and in the formulation of the conclusions. Like all professional persons rendering advice, we do not act as absolute insurers of the conclusions we reach, but we commit ourselves to care and competence in reaching those conclusions.

It should also be noted that current environmental guidelines and regulations are subject to change, and such changes, when put into effect, could alter the conclusions and recommendations noted throughout this report.

The conclusions and recommendations noted throughout this report reflect existing Site conditions with respect to the current environmental condition of the Site at the time of this assessment summary. Compliance of past owners with applicable environmental regulations was not within the scope of this Phase I ESA summary.

It is possible that unexpected environmental conditions may be encountered on the Site, which has not been explored within the scope of this Phase I ESA summary. Should such an event occur, EXP should be notified in order for us to determine if modifications to our conclusions are necessary.

This summary report has been prepared in accordance with accepted environmental study and/or engineering practices for a Phase I ESA (CSA Standard Z768-01). No other warranties, either expressed or implied, are made as to the professional services provided under the terms of the Phase I ESA and included in this summary report.

This report was prepared by EXP for the exclusive use of Rosseau Springs Limited. and may not be reproduced in whole or in part, without the prior written consent of EXP, or used or relied upon in whole or in part by a party other than Rosseau Springs Limited.

Any use which a third party makes of this report, or any part thereof, or any reliance on or decisions to be made based on it, are the sole responsibility of such third parties. EXP Services Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

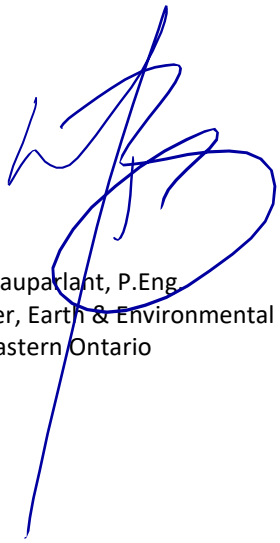
11. Closure

We trust that these comments provide you with sufficient information to proceed with design. Should you have any questions, please do not hesitate to contact this office.

Yours truly,

EXP Services Inc.

Jamie Batten, GIT
Environmental Technologist, Earth & Environmental
Northeastern Ontario

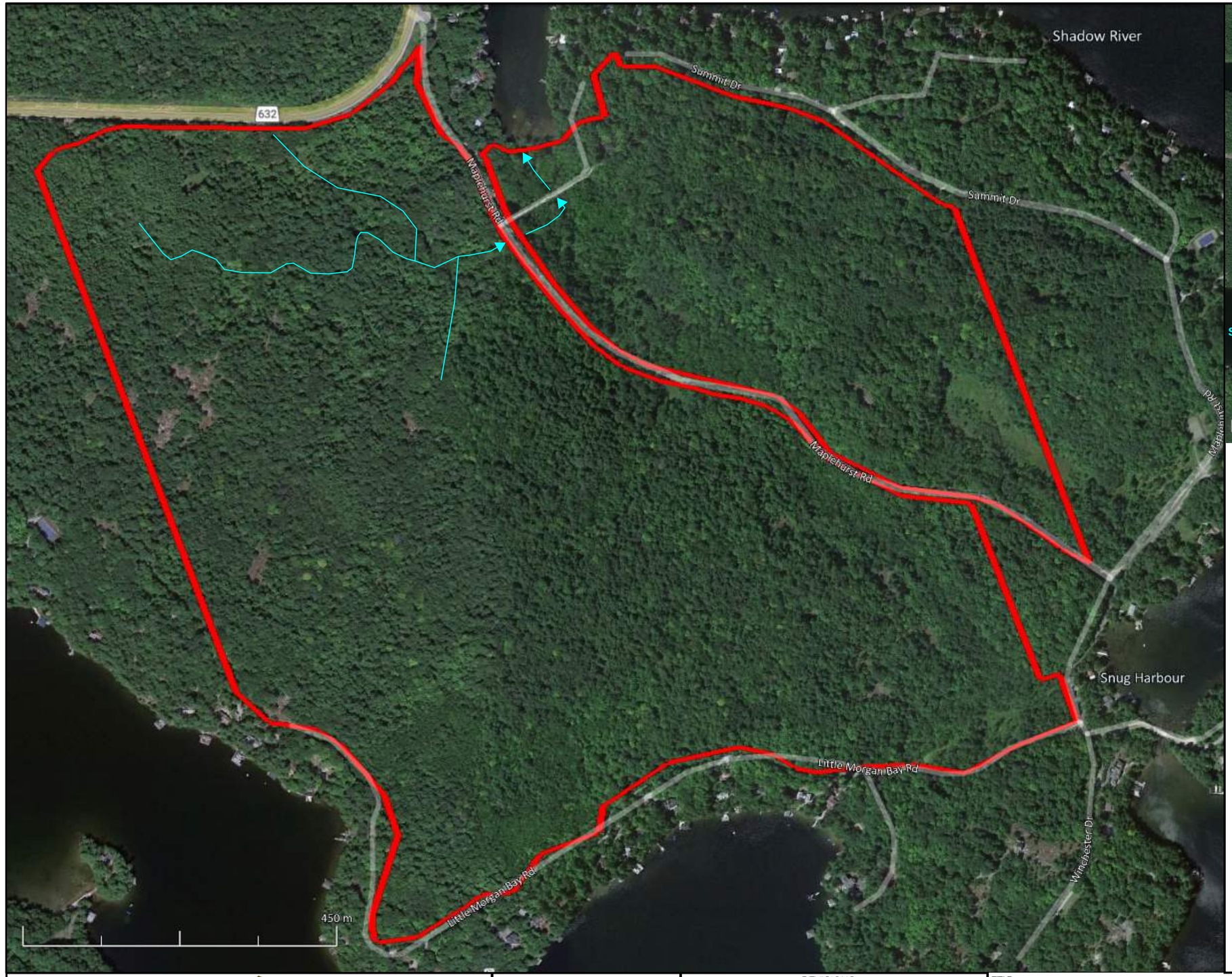


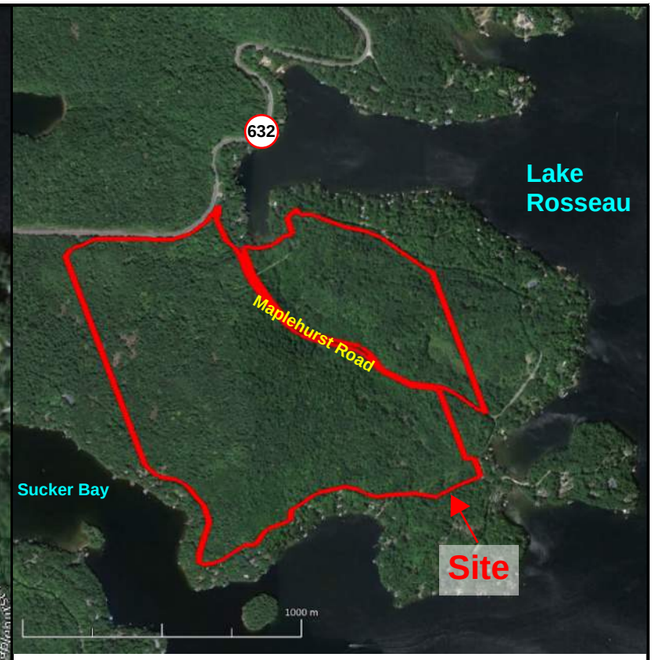
Yves Beauparlant, P.Eng.
Manager, Earth & Environmental
Northeastern Ontario

References

1. Canadian Standards Association. November 2001. *Z768-0 Phase I Environmental Site Assessment.*
2. *Occupational Health and Safety Act* - Ministry of Labour (MOL).
3. https://www.geologyontario.mndm.gov.on.ca/ogsearth.html#quaternary-geology
4. https://www.geologyontario.mndm.gov.on.ca/ogsearth.html#bedrock-geology
5. Inventory of Coal Gasification Plant Waste Sites in Ontario. Ontario Ministry of the Environment, April 1987.
6. Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario. Ontario Ministry of the Environment, November 1988.
7. Waste Disposal Site Inventory. Waste Management Branch Ontario Ministry of the Environment, June 1991.
8. Ontario Inventory of PCB Storage Sites. Ontario Ministry of the Environment, 1993- 2003-2004.
9. Hazardous Waste Information Network (HWIN, 1986-2005).

Appendix A - Drawings





Approximate Noted Waterbody

Approximate Site Boundary

N

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REVISIONS

No.	DESCRIPTION	DATE

TITLE: **PHASE I ESA SITE PLAN**

PROJECT AND LOCATION: **Rosseau Springs Development**

Rosseau, Ontario

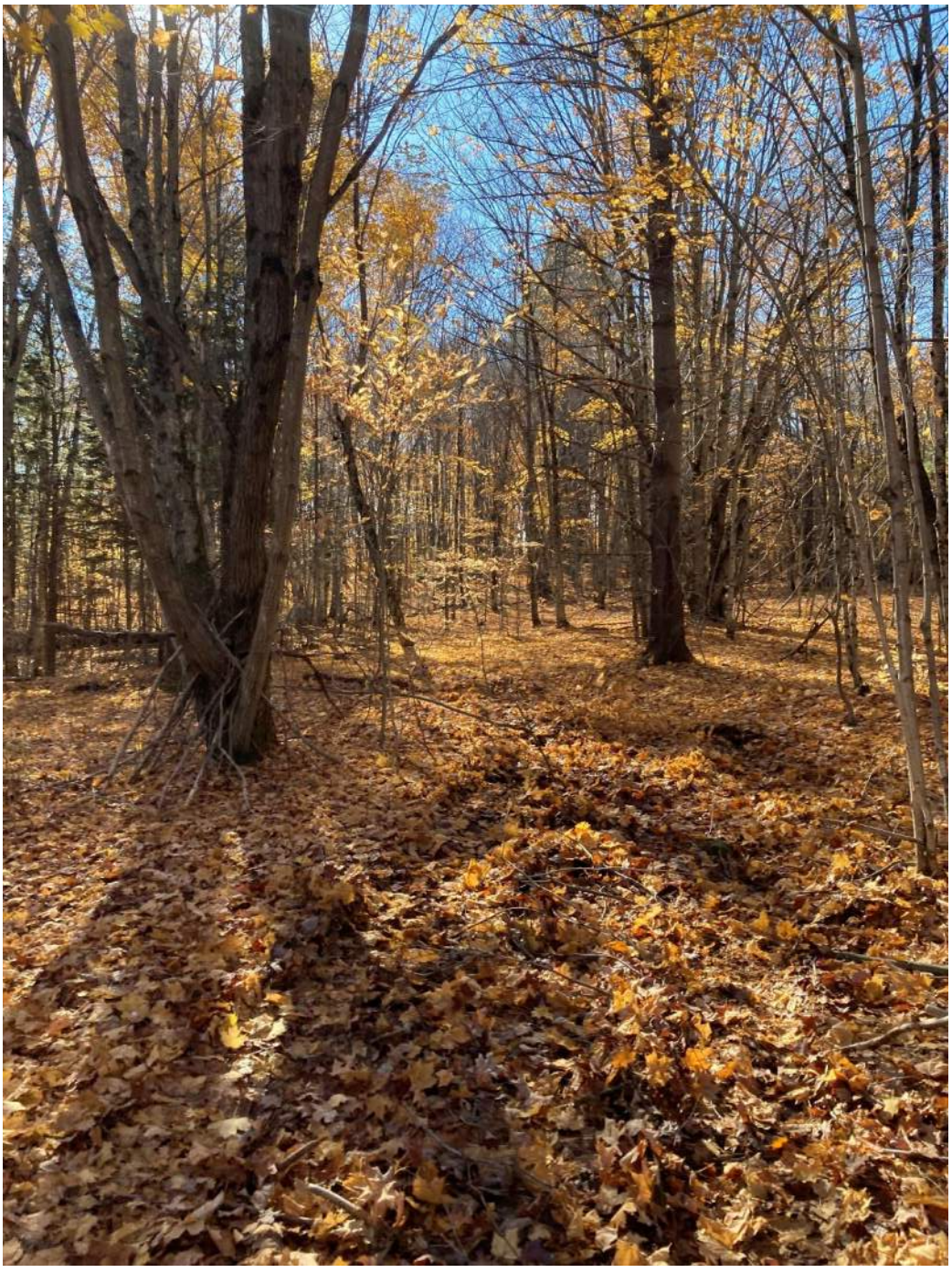
PROJECT NO.	DATE	SCALE:	DWG NO.
SUD-22025423-A0	November 2022		1

Appendix B – Site Photographs

Photograph No. 1
Debris noted in northeast area of Site near proposed road D.

Photograph No. 2
Vehicle debris noted in northeast area of Site near proposed road D.

Photograph No. 3
Debris noted in northeast area of Site near proposed road D.



Photograph No. 4
Undeveloped areas in northeast area of Site near proposed road E.

Photograph No. 5
North area of Site near proposed road A, adjacent to Hwy. 632.

Photograph No. 6
Bedrock at surface in north area of Site near proposed road A.

Photograph No. 7
Central area of Site near proposed road B.

Photograph No. 8
Central area of Site near proposed road C.

Photograph No. 9
South area of Site near south end of proposed road B.

Photograph No. 10
Tarp in south area of Site near south end of proposed road B.

Photograph No. 11
Waterbody in north area of Site along proposed road A.

Photograph No. 12
Flowing waterbody near Maplehurst Road in north-central area of the Site.

Photograph No. 13
Waterbody and culvert running below Maplehurst Road.

Photograph No. 14
Steep slope in north-central area of Site, near proposed road A and west adjacent to Maplehurst Road.

Appendix C – Aerial Photographs

N

Approximate Noted Waterbody

Approximate Site Boundary

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REVISIONS

No.	DESCRIPTION	DATE

TITLE: **PHASE I ESA**
1985 AERIAL PHOTOGRAPH

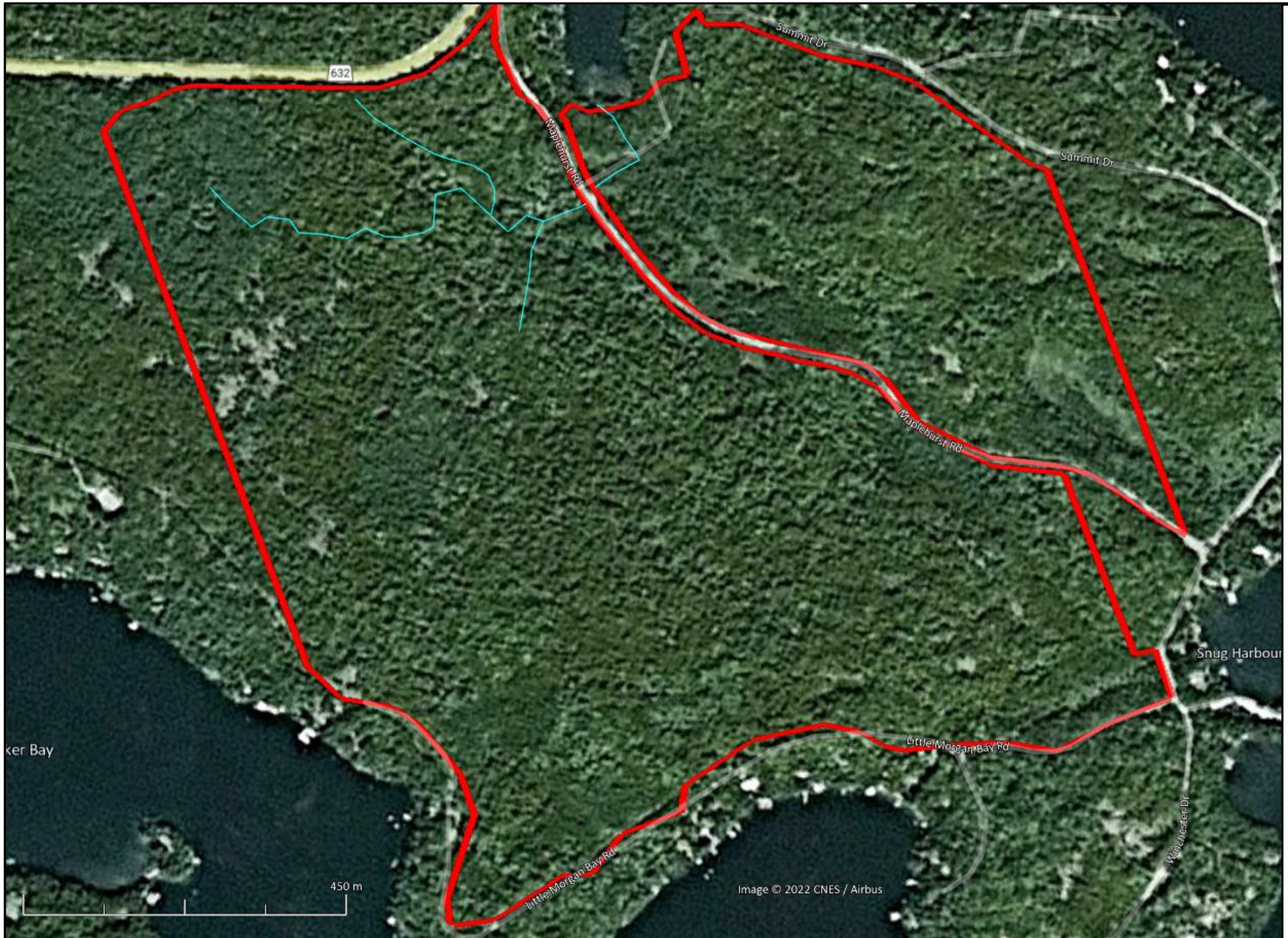
PROJECT AND LOCATION: **Rosseau Springs Development**
Rosseau, Ontario

PROJECT NO. **SUD-22025423-A0**

DATE **November 2022**

SCALE:

DWG NO. **2**



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Approximate Noted Waterbody

Approximate Site Boundary

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REVISIONS

No.	DESCRIPTION	DATE

TITLE: **PHASE I ESA**
2009 AERIAL PHOTOGRAPH

PROJECT AND LOCATION: **Rosseau Springs Development**
Rosseau, Ontario

PROJECT NO. **SUD-22025423-A0**

DATE **November 2022**

SCALE:

DWG NO. **3**

N

Approximate Noted Waterbody

Approximate Site Boundary

exp Services Inc.
Sudbury Branch
t: +1.705.674.4401 | f: +1.705.674.5583
885 Regent Street
Sudbury, ON P3E 5M4
Canada

www.exp.com • BUILDINGS • EARTH & ENVIRONMENT • ENERGY • INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

REVISIONS		
No.	DESCRIPTION	DATE

TITLE: **PHASE I ESA**
2014 AERIAL PHOTOGRAPH

PROJECT AND LOCATION: **Rosseau Springs Development**
Rosseau, Ontario

PROJECT NO. **SUD-22025423-A0**

DATE **November 2022**

SCALE:

DWG NO. **4**

N

Approximate Noted Waterbody

Approximate Site Boundary

exp Services Inc.
Sudbury Branch
t: +1.705.674.4401 | f: +1.705.674.5583
885 Regent Street
Sudbury, ON P3E 5M4
Canada

www.exp.com • BUILDINGS • EARTH & ENVIRONMENT • ENERGY • INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

REVISIONS

No.	DESCRIPTION	DATE

TITLE: **PHASE I ESA**
2022 AERIAL PHOTOGRAPH

PROJECT AND LOCATION: **Rosseau Springs Development**
Rosseau, Ontario

PROJECT NO. **SUD-22025423-A0**

DATE **November 2022**

SCALE:

DWG NO. **5**

Appendix D – Records Search

DATABASE REPORT

Project Property:	*Rosseau Development* *Rosseau Development* *Rosseau ON*
Project No:	*SUD-22025423-A0*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*22102100225*
Requested by:	*exp Services Inc.*
Date Completed:	*October 25, 2022*

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:	*Rosseau Development* *Rosseau Development Rosseau ON*
Project No:	*SUD-22025423-A0*

Coordinates:

Latitude:	*45.2428806*
Longitude:	*-79.6587835*
UTM Northing:	*5,010,806.86*
UTM Easting:	*605,260.75*
UTM Zone:	*17T*

Elevation:	*869 FT* *265.00 M*

Order Information:

Order No:	*22102100225*
Date Requested:	*October 21, 2022*
Requested by:	*exp Services Inc.*
Report Type:	*Quote - Custom-Build Your Own Report*

Historical/Products:

ERIS Xplorer	*ERIS Xplorer*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 1.00 km	Total
AAGR	*Abandoned Aggregate Inventory*	Y	0	0	0
AGR	*Aggregate Inventory*	Y	0	0	0
AMIS	*Abandoned Mine Information System*	Y	0	0	0
ANDR	*Anderson's Waste Disposal Sites*	Y	0	0	0
AST	*Aboveground Storage Tanks*	Y	0	0	0
AUWR	*Automobile Wrecking & Supplies*	Y	0	0	0
BORE	*Borehole*	Y	0	0	0
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 Manufacturers and Distributors*	Y	0	0	0
CHM	*Chemical Register*	Y	0	0	0
CNG	*Compressed Natural Gas Stations*	Y	0	0	0
COAL	*Inventory of Coal Gasification Plants and Coal Tar Sites*	Y	0	0	0
CONV	*Compliance and Convictions*	Y	0	0	0
CPU	*Certificates of Property Use*	Y	0	0	0
DRL	*Drill Hole Database*	Y	0	0	0
DTNK	*Delisted Fuel Tanks*	Y	0	0	0
EASR	*Environmental Activity and Sector Registry*	Y	0	0	0
EBR	*Environmental Registry*	Y	0	0	0
ECA	*Environmental Compliance Approval*	Y	0	0	0
EEM	*Environmental Effects Monitoring*	Y	0	0	0
EHS	*ERIS Historical Searches*	Y	0	0	0
EIIS	*Environmental Issues Inventory System*	Y	0	0	0
EMHE	*Emergency Management Historical Event*	Y	0	0	0
EPAR	*Environmental Penalty Annual Report*	Y	0	0	0
EXP	*List of Expired Fuels Safety Facilities*	Y	0	0	0
FCON	*Federal Convictions*	Y	0	0	0
FCS	*Contaminated Sites on Federal Land*	Y	0	0	0
FOFT	*Fisheries & Oceans Fuel Tanks*	Y	0	0	0
FRST	*Federal Identification Registry for Storage Tank Systems (FIRSTS)*	Y	0	0	0
FST	*Fuel Storage Tank*	Y	0	0	0
FSTH	*Fuel Storage Tank - Historic*	Y	0	0	0
GEN	*Ontario Regulation 347 Waste Generators Summary*	Y	0	0	0
GHG	*Greenhouse Gas Emissions from Large Facilities*	Y	0	0	0
HINC	*TSSA Historic Incidents*	Y	0	0	0
IAFT	*Indian & Northern Affairs Fuel Tanks*	Y	0	0	0

Database	Name	Searched	Project Property	Within 1.00 km	Total
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	0	0
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	10	10
	Total:		0	10	10

Executive Summary: Site Report Summary - Project Property

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

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

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	WWIS		lot 7 con 5 ON **Well ID:** 4808809	NNW/212.4	-22.02	13
2	WWIS		59 LITTLE MORGAN BAY RD lot 7 con 4 ON **Well ID:** 4809909	SSE/470.1	-17.48	16
3	WWIS		lot 8 con 4 ON **Well ID:** 4806438	SSW/554.1	-17.33	22
4	WWIS		113 LITTLE MORGON BAY RD lot 8 con 5 ON **Well ID:** 7203207	SW/566.3	-20.00	26
5	WWIS		lot 7 con 5 ON **Well ID:** 4801421	NNW/580.0	-39.96	32
6	WWIS		lot 9 con 5 ON **Well ID:** 4808740	WSW/687.1	-5.45	35
7	WWIS		11 MISTY MOREN DR lot 6 con 4 ON **Well ID:** 7045116	E/807.0	-34.00	39
8	WWIS		3 WINCHESTER DRIVE ROSSEAU ON **Well ID:** 7351755	ESE/869.8	-39.00	41
9	WWIS		181 HWY #632 ON **Well ID:** 7362576	N/915.2	-37.93	48
10	WWIS		lot 9 con 4 ON **Well ID:** 4802987	SW/989.9	-39.00	54

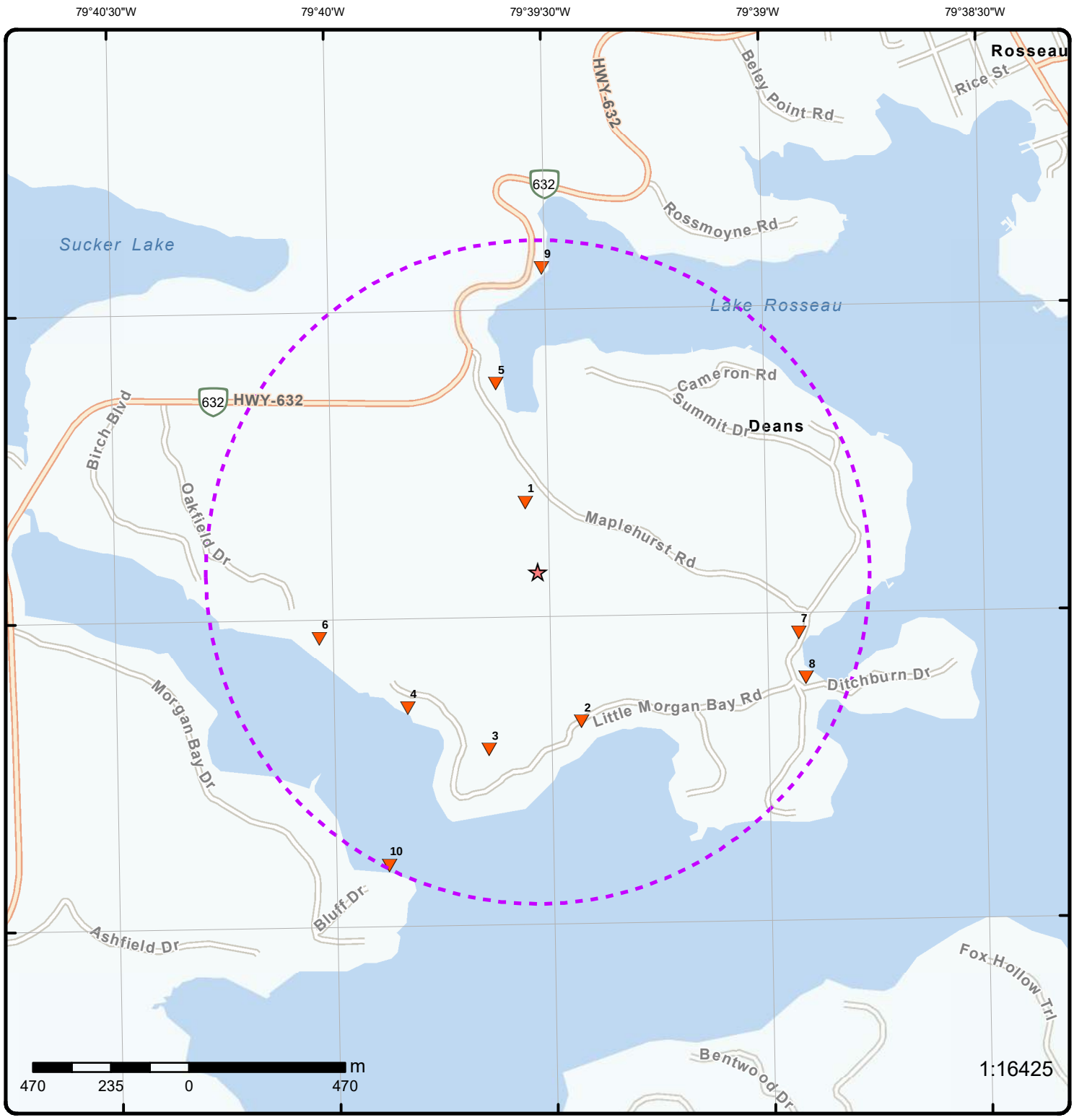
Executive Summary: Summary By Data Source

WWIS - Water Well Information System

A search of the WWIS database, dated Jun 30 2022 has found that there are 10 WWIS site(s) within approximately 1.00 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
	lot 7 con 5 ON ***Well ID:*** 4808809	NNW	212.36	1
	59 LITTLE MORGAN BAY RD lot 7 con 4 ON ***Well ID:*** 4809909	SSE	470.13	2
	lot 8 con 4 ON ***Well ID:*** 4806438	SSW	554.13	3
	113 LITTLE MORGON BAY RD lot 8 con 5 ON ***Well ID:*** 7203207	SW	566.28	4
	lot 7 con 5 ON ***Well ID:*** 4801421	NNW	579.96	5
	lot 9 con 5 ON ***Well ID:*** 4808740	WSW	687.08	6
	11 MISTY MOREN DR lot 6 con 4 ON ***Well ID:*** 7045116	E	807.00	7
	3 WINCHESTER DRIVE ROSSEAU ON ***Well ID:*** 7351755	ESE	869.80	8
	181 HWY #632 ON ***Well ID:*** 7362576	N	915.23	9
	lot 9 con 4 ON	SW	989.94	10

Well ID: 4802987

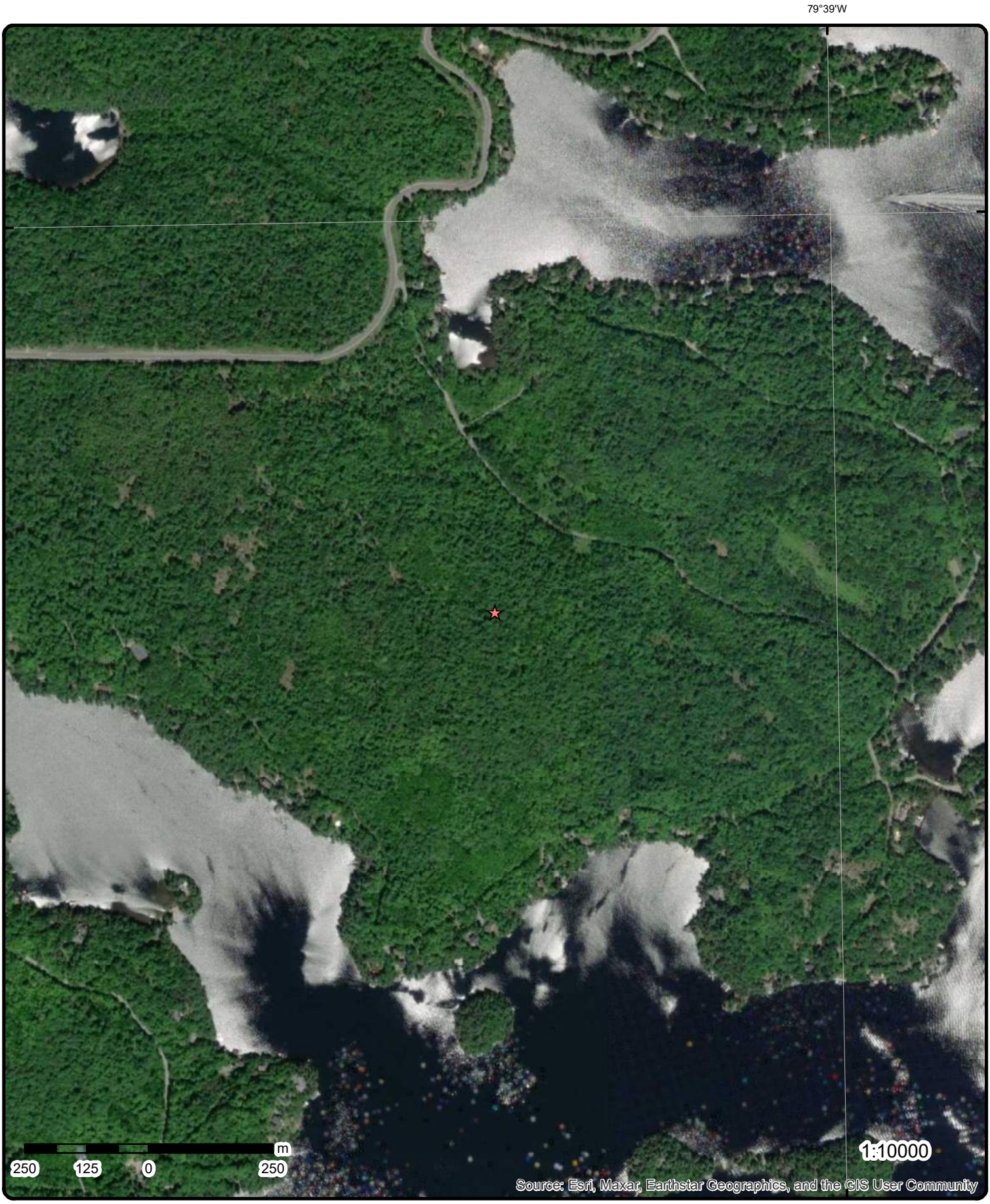


Map: 1.0 Kilometer Radius

Order Number: 22102100225

Address: Rosseau Development, Rosseau, ON

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major Arterial; Minor Arterial
- Local Road
- Service Road; Traffic Circle; Ramp
- Rail
- Beach
- Airport
- Industrial Area
- Military Base
- Aircraft Roads
- Native Reservation
- Hospital
- Shopping & Sports Area
- University/College
- Cemetery; Golf Course
- Parkt (National)
- Park (City/County)



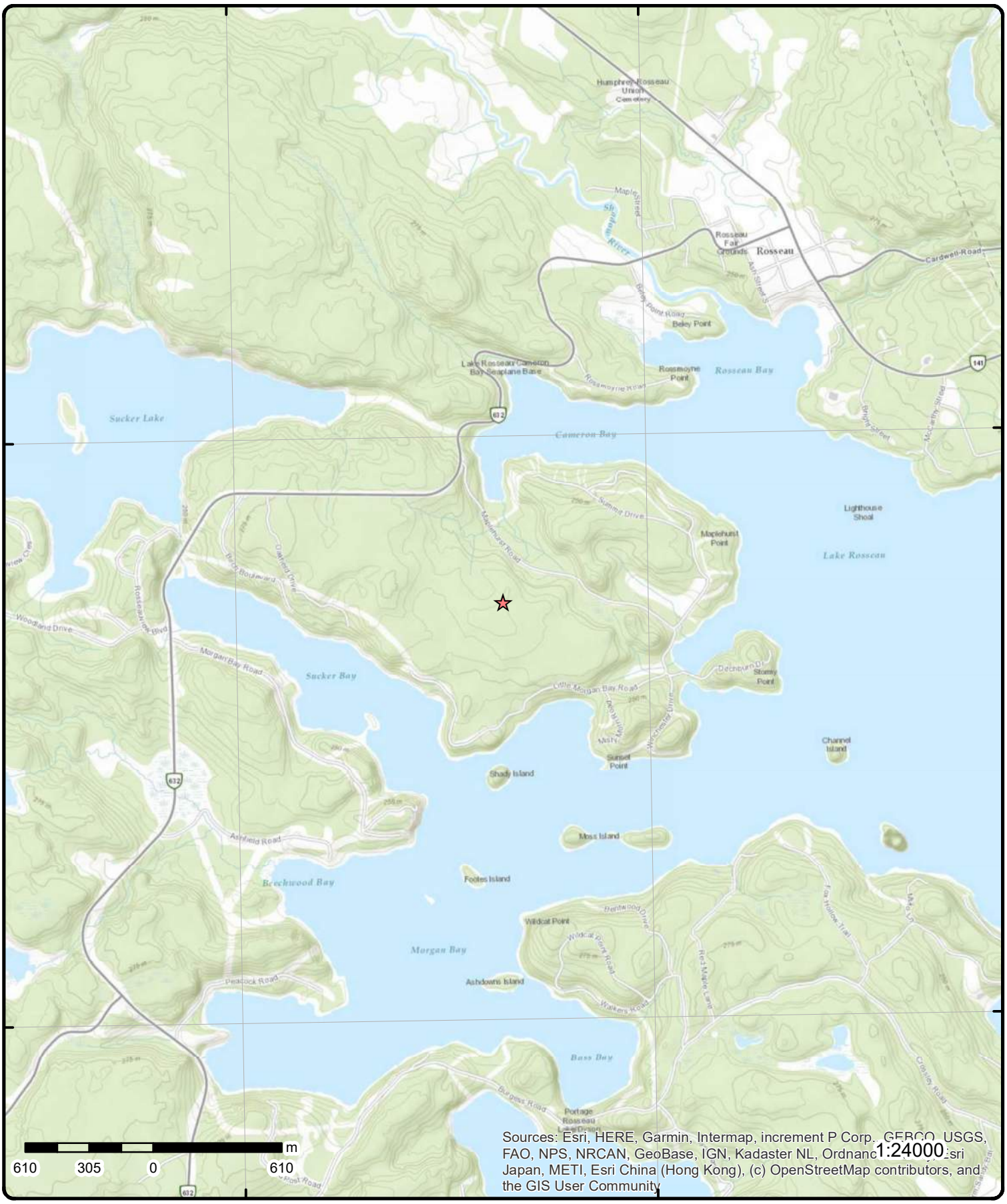
Aerial

Year: 2020

Order Number: 22102100225

Address: Rosseau Development, Rosseau, ON

Source: ESRI World Imagery



Topographic Map

Order Number: 22102100225

Address: Rosseau Development, ON

Source: ESRI World Topographic Map

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	NNW/212.4	243.0 / -22.02	lot 7 con 5 ON	WWIS

Well ID:	4808809	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	09-Jul-2001 00:00:00
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	223282	**Contractor:**	2550
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	PARRY SOUND
Elevatn Reliabilty:		**Lot:**	007
Depth to Bedrock:		**Concession:**	05
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	HUMPHRY TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/480\4808809.pdf

Additional Detail(s) (Map)

Well Completed Date:	2001/06/08
Year Completed:	2001
Depth (m):	74.676
Latitude:	45.2447682042399
Longitude:	-79.6592086908614
Path:	480\4808809.pdf

Bore Hole Information

Bore Hole ID:	10520539	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	605223.90
Code OB Desc:		**North83:**	5011016.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	08-Jun-2001 00:00:00	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	lot
Loc Method Desc:	Lot centroid		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932845378
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	31
Most Common Material:	COARSE GRAVEL
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	0.0
Formation End Depth:	18.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932845379
Layer:	2
Color:	2
General Color:	GREY
Mat1:	21
Most Common Material:	GRANITE
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	18.0
Formation End Depth:	245.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933222673
Layer:	1
Plug From:	0.0
Plug To:	20.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964808809
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	11069109
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930519706
Layer:	1

Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 994808809
Pump Set At:
Static Level: 25.0
Final Level After Pumping: 220.0
Recommended Pump Depth: 220.0
Pumping Rate: 6.0
Flowing Rate:
Recommended Pump Rate: 6.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 6
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 935047143
Test Type: Draw Down
Test Duration: 60
Test Level: 177.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934253580
Test Type: Draw Down
Test Duration: 15
Test Level: 66.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934782252
Test Type: Draw Down
Test Duration: 45
Test Level: 148.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934528119
Test Type: Draw Down
Test Duration: 30
Test Level: 112.0
Test Level UOM: ft

Links

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

Bore Hole ID:	10520539	**Tag No:**	
Depth M:	74.676	**Contractor:**	2550
Year Completed:	2001	**Path:**	480\4808809.pdf
Well Completed Dt:	2001/06/08	**Latitude:**	45.2447682042399
Audit No:	223282	**Longitude:**	-79.6592086908614

2 **1 of 1** **SSE/470.1** **247.5 / -17.48** **59 LITTLE MORGAN BAY RD lot 7 con 4 ON** **WWIS**

Well ID:	4809909	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Water Supply	**Date Received:**	07-Apr-2005 00:00:00
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z18345	**Contractor:**	3678
Tag:	A018197	**Form Version:**	3
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	PARRY SOUND
Elevatn Reliabilty:		**Lot:**	007
Depth to Bedrock:		**Concession:**	04
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	HUMPHRY TOWNSHIP		
Site Info:	42R-4249 PTS 3&7		

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/480\4809909.pdf

Additional Detail(s) (Map)

Well Completed Date:	2004/09/16
Year Completed:	2004
Depth (m):	97.5
Latitude:	45.2388033567269
Longitude:	-79.6571817723322
Path:	480\4809909.pdf

Bore Hole Information

Bore Hole ID:	11323084	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	605394.00
Code OB Desc:		**North83:**	5010356.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	16-Sep-2004 00:00:00	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	933020246
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	2.4000000953674316
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	933020247
Layer:	2
Color:	2
General Color:	GREY
Mat1:	26
Most Common Material:	ROCK
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	2.4000000953674316
Formation End Depth:	97.5
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933267116
Layer:	1
Plug From:	0.0
Plug To:	6.099999904632568
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	964809909
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	11337939
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930865931
Layer:	1
Material:	1

Open Hole or Material: STEEL
Depth From: -0.4000000059604645
Depth To: 6.099999904632568
Casing Diameter: 16.0
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Casing

Casing ID: 930865932
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From: 6.099999904632568
Depth To: 97.5
Casing Diameter:
Casing Diameter UOM: cm
Casing Depth UOM: m

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 11350282
Pump Set At: 91.4000015258789
Static Level:
Final Level After Pumping: 49.0
Recommended Pump Depth: 91.4000015258789
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 20.0
Levels UOM: m
Rate UOM: LPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method:
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 11369684
Test Type: Draw Down
Test Duration: 50
Test Level: 43.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11369692
Test Type: Recovery
Test Duration: 15
Test Level: 42.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11369671
Test Type: Recovery
Test Duration: 2
Test Level: 48.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11369676
Test Type: Recovery
Test Duration: 4
Test Level: 47.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11369677
Test Type: Draw Down
Test Duration: 5
Test Level: 10.199999809265137
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11369685
Test Type: Recovery
Test Duration: 40
Test Level: 30.799999237060547
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11369675
Test Type: Draw Down
Test Duration: 4
Test Level: 9.199999809265137
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11369680
Test Type: Recovery
Test Duration: 1
Test Level: 49.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11369682
Test Type: Draw Down
Test Duration: 60
Test Level: 49.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11369690
Test Type: Recovery
Test Duration: 20
Test Level: 39.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11369691
Test Type: Draw Down
Test Duration: 20
Test Level: 21.799999237060547
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11369694
Test Type: Recovery
Test Duration: 10
Test Level: 44.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11369674
Test Type: Recovery
Test Duration: 3
Test Level: 48.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11369681
Test Type: Recovery
Test Duration: 60
Test Level: 22.799999237060547
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11369672
Test Type: Draw Down
Test Duration: 3
Test Level: 8.199999809265137
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11369673
Test Type: Draw Down
Test Duration: 2
Test Level: 7.199999809265137
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11369687
Test Type: Recovery
Test Duration: 30
Test Level: 35.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11369688
Test Type: Draw Down
Test Duration: 10
Test Level: 14.5

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11369693
Test Type: Draw Down
Test Duration: 15
Test Level: 18.200000762939453
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11369670
Test Type: Recovery
Test Duration: 5
Test Level: 47.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11369678
Test Type: Draw Down
Test Duration: 1
Test Level: 6.099999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11369679
Test Type: Draw Down
Test Duration: 30
Test Level: 29.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11369683
Test Type: Recovery
Test Duration: 50
Test Level: 37.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11369686
Test Type: Draw Down
Test Duration: 25
Test Level: 25.200000762939453
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11369689
Test Type: Recovery
Test Duration: 25
Test Level: 37.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11369695
Test Type: Draw Down
Test Duration: 40
Test Level: 35.5
Test Level UOM: m

Water Details

Water ID: 934058960
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 45.70000076293945
Water Found Depth UOM: m

Hole Diameter

Hole ID: 11542793
Diameter: 22.229999542236328
Depth From: 0.0
Depth To: 6.099999904632568
Hole Depth UOM: m
Hole Diameter UOM: cm

Hole Diameter

Hole ID: 11542794
Diameter: 16.0
Depth From: 6.099999904632568
Depth To: 97.5
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

Bore Hole ID: 11323084
Depth M: 97.5
Year Completed: 2004
Well Completed Dt: 2004/09/16
Audit No: Z18345
Tag No: A018197
Contractor: 3678
Path: 480\4809909.pdf
Latitude: 45.2388033567269
Longitude: -79.6571817723322

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3 ***1 of 1*** ***SSW/554.1*** ***247.7 / -17.33*** ***lot 8 con 4 ON*** ***WWIS***

Well ID: 4806438
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 096008
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
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: 01-May-1992 00:00:00
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1366
Form Version: 1
Owner:
County: PARRY SOUND
Lot: 008
Concession: 04
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:

Clear/Cloudy: ***UTM Reliability:***
Municipality: HUMPHRY TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/480\4806438.pdf

Additional Detail(s) (Map)

Well Completed Date: 1991/07/05
Year Completed: 1991
Depth (m): 36.576
Latitude: 45.2380890329362
Longitude: -79.6607418147019
Path: 480\4806438.pdf

Bore Hole Information

Bore Hole ID:	10312498	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	605115.90
Code OB Desc:		***North83:***	5010272.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	05-Jul-1991 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	lot
Loc Method Desc:	Lot centroid		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID: 932022007
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 01
Mat2 Desc: FILL
Mat3: 13
Mat3 Desc: BOULDERS
Formation Top Depth: 0.0
Formation End Depth: 9.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932022008
Layer: 2
Color:
General Color:
Mat1: 21
Most Common Material: GRANITE
Mat2:
Mat2 Desc:

Mat3:
Mat3 Desc:
Formation Top Depth: 9.0
Formation End Depth: 65.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932022009
Layer: 3
Color: 2
General Color: GREY
Mat1: 21
Most Common Material: GRANITE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 65.0
Formation End Depth: 120.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964806438
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10861068
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930515890
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 120.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930515889
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	994806438
Pump Set At:	
Static Level:	4.0
Final Level After Pumping:	
Recommended Pump Depth:	60.0
Pumping Rate:	50.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934786510
Test Type:	
Test Duration:	45
Test Level:	25.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935049250
Test Type:	
Test Duration:	60
Test Level:	22.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934531368
Test Type:	
Test Duration:	30
Test Level:	30.0
Test Level UOM:	ft

Water Details

Water ID:	933785270
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	105.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10312498	***Tag No:***	
Depth M:	36.576	***Contractor:***	1366
Year Completed:	1991	***Path:***	480\4806438.pdf
Well Completed Dt:	1991/07/05	***Latitude:***	45.2380890329362
Audit No:	096008	***Longitude:***	-79.6607418147019

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	1 of 1	SW/566.3	245.0 / -20.00	113 LITTLE MORGON BAY RD lot 8 con 5 ON	WWIS

Well ID:	7203207	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Water Supply	**Date Received:**	17-Jun-2013 00:00:00
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z157802	**Contractor:**	7508
Tag:	A137771	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	PARRY SOUND
Elevatn Reliabilty:		**Lot:**	008
Depth to Bedrock:		**Concession:**	05
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	HUMPHRY TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7203207.pdf

Additional Detail(s) (Map)

Well Completed Date:	2013/04/25
Year Completed:	2013
Depth (m):	121.9
Latitude:	45.2392506105517
Longitude:	-79.6638475468908
Path:	720\7203207.pdf

Bore Hole Information

Bore Hole ID:	1004351631	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	604870.00
Code OB Desc:		**North83:**	5010397.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	5
Date Completed:	25-Apr-2013 00:00:00	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1004935607
Layer:	2
Color:	2
General Color:	GREY
Mat1:	26

Most Common Material: ROCK
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 1.2000000476837158
Formation End Depth: 121.9000015258789
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1004935606
Layer: 1
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 1.2000000476837158
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004935642
Layer: 1
Plug From: 0.0
Plug To: 6.099999904632568
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1004935641
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 1004935604
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004935612
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From: 6.099999904632568
Depth To: 121.9000015258789
Casing Diameter: 16.0
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Casing

Casing ID:	1004935611
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-0.4000000059604645
Depth To:	6.099999904632568
Casing Diameter:	16.0
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1004935613
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1004935605
Pump Set At:	118.9000015258789
Static Level:	18.299999237060547
Final Level After Pumping:	59.099998474121094
Recommended Pump Depth:	118.9000015258789
Pumping Rate:	20.0
Flowing Rate:	
Recommended Pump Rate:	20.0
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	0
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	

Draw Down & Recovery

Pump Test Detail ID:	1004935631
Test Type:	Recovery
Test Duration:	25
Test Level:	46.400001525878906
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1004935634
Test Type:	Draw Down
Test Duration:	40
Test Level:	49.0
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID: 1004935625
Test Type: Recovery
Test Duration: 10
Test Level: 54.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004935616
Test Type: Draw Down
Test Duration: 2
Test Level: 20.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004935620
Test Type: Draw Down
Test Duration: 4
Test Level: 22.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004935622
Test Type: Draw Down
Test Duration: 5
Test Level: 23.100000381469727
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004935615
Test Type: Recovery
Test Duration: 1
Test Level: 58.900001525878906
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004935627
Test Type: Recovery
Test Duration: 15
Test Level: 51.29999923706055
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004935632
Test Type: Draw Down
Test Duration: 30
Test Level: 42.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004935633
Test Type: Recovery
Test Duration: 30

Test Level: 44.099998474121094
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004935637
Test Type: Recovery
Test Duration: 50
Test Level: 36.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004935630
Test Type: Draw Down
Test Duration: 25
Test Level: 38.099998474121094
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004935635
Test Type: Recovery
Test Duration: 40
Test Level: 40.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004935639
Test Type: Recovery
Test Duration: 60
Test Level: 32.099998474121094
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004935614
Test Type: Draw Down
Test Duration: 1
Test Level: 19.299999237060547
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004935617
Test Type: Recovery
Test Duration: 2
Test Level: 58.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004935628
Test Type: Draw Down
Test Duration: 20
Test Level: 34.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004935618
Test Type: Draw Down
Test Duration: 3
Test Level: 21.399999618530273
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004935619
Test Type: Recovery
Test Duration: 3
Test Level: 57.79999923706055
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004935621
Test Type: Recovery
Test Duration: 4
Test Level: 57.29999923706055
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004935623
Test Type: Recovery
Test Duration: 5
Test Level: 56.599998474121094
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004935638
Test Type: Draw Down
Test Duration: 60
Test Level: 59.099998474121094
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004935624
Test Type: Draw Down
Test Duration: 10
Test Level: 27.200000762939453
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004935626
Test Type: Draw Down
Test Duration: 15
Test Level: 31.100000381469727
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004935629
Test Type: Recovery

Test Duration:	20
Test Level:	49.099998474121094
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1004935636
Test Type:	Draw Down
Test Duration:	50
Test Level:	55.5
Test Level UOM:	m

Water Details

Water ID:	1004935610
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1004935608
Diameter:	22.229999542236328
Depth From:	0.0
Depth To:	6.099999904632568
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	1004935609
Diameter:	16.0
Depth From:	6.099999904632568
Depth To:	121.9000015258789
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Links

Bore Hole ID:	1004351631	**Tag No:**	A137771
Depth M:	121.9	**Contractor:**	7508
Year Completed:	2013	**Path:**	720\7203207.pdf
Well Completed Dt:	2013/04/25	**Latitude:**	45.2392506105517
Audit No:	Z157802	**Longitude:**	-79.6638475468908

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5 | ***1 of 1*** | ***NNW/580.0*** | ***225.0 / -39.96*** | ***lot 7 con 5 ON*** | ***WWIS***

Well ID:	4801421	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	13-Jul-1972 00:00:00
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	2512
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	PARRY SOUND

Elevatn Reliabilty:		**Lot:**	007
Depth to Bedrock:		**Concession:**	05
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	HUMPHRY TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/480\4801421.pdf

Additional Detail(s) (Map)

Well Completed Date:	1972/06/08
Year Completed:	1972
Depth (m):	90.2208
Latitude:	45.2479941793312
Longitude:	-79.6602669121802
Path:	480\4801421.pdf

Bore Hole Information

Bore Hole ID:	10307565	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	605134.90
Code OB Desc:		**North83:**	5011373.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	08-Jun-1972 00:00:00	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Loc Method Desc:	Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932008781
Layer:	2
Color:	2
General Color:	GREY
Mat1:	21
Most Common Material:	GRANITE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	7.0
Formation End Depth:	296.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932008780
Layer:	1

Color:	8
General Color:	BLACK
Mat1:	03
Most Common Material:	MUCK
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	7.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964801421
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10856135
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930507134
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	14.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930507135
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	296.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	994801421
Pump Set At:	
Static Level:	1.0
Final Level After Pumping:	1.0
Recommended Pump Depth:	35.0
Pumping Rate:	50.0
Flowing Rate:	
Recommended Pump Rate:	8.0

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

Draw Down & Recovery

Pump Test Detail ID:	934785865
Test Type:	Recovery
Test Duration:	45
Test Level:	1.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935040446
Test Type:	Recovery
Test Duration:	60
Test Level:	1.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934522785
Test Type:	Recovery
Test Duration:	30
Test Level:	1.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934247962
Test Type:	Recovery
Test Duration:	15
Test Level:	1.0
Test Level UOM:	ft

Water Details

Water ID:	933779777
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	294.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10307565	***Tag No:***	
Depth M:	90.2208	***Contractor:***	2512
Year Completed:	1972	***Path:***	480\4801421.pdf
Well Completed Dt:	1972/06/08	***Latitude:***	45.2479941793312
Audit No:		***Longitude:***	-79.6602669121802

6	***1 of 1***	***WSW/687.1***	***259.6 / -5.45***	***lot 9 con 5 ON***	***WWIS***

Well ID:	4808740	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	02-Mar-2001 00:00:00
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	229715	**Contractor:**	6986
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	PARRY SOUND
Elevatn Reliabilty:		**Lot:**	009
Depth to Bedrock:		**Concession:**	05
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	HUMPHRY TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/480\4808740.pdf

Additional Detail(s) (Map)

Well Completed Date:	2000/10/01
Year Completed:	2000
Depth (m):	97.536
Latitude:	45.2411620192803
Longitude:	-79.6671919712969
Path:	480\4808740.pdf

Bore Hole Information

Bore Hole ID:	10314783	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	604604.00
Code OB Desc:		**North83:**	5010605.00
Open Hole:		**Org CS:**	N83
Cluster Kind:		**UTMRC:**	3
Date Completed:	01-Oct-2000 00:00:00	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	
Loc Method Desc:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932028069
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	13
Mat2 Desc:	BOULDERS

Mat3:
Mat3 Desc:
Formation Top Depth: 1.0
Formation End Depth: 4.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932028068
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 1.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932028070
Layer: 3
Color: 8
General Color: BLACK
Mat1: 21
Most Common Material: GRANITE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 4.0
Formation End Depth: 320.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933169800
Layer: 1
Plug From: 0.0
Plug To: 20.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964808740
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10863353
Casing No: 1
Comment:

Alt Name:

Construction Record - Casing

Casing ID:	930519583
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930519584
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	994808740
Pump Set At:	
Static Level:	36.0
Final Level After Pumping:	
Recommended Pump Depth:	240.0
Pumping Rate:	2.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	1
Pumping Duration HR:	3
Pumping Duration MIN:	
Flowing:	No

Water Details

Water ID:	933787877
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10314783	***Tag No:***	
Depth M:	97.536	***Contractor:***	6986
Year Completed:	2000	***Path:***	480\4808740.pdf
Well Completed Dt:	2000/10/01	***Latitude:***	45.2411620192803
Audit No:	229715	***Longitude:***	-79.6671919712969

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	1 of 1	E/807.0	231.0 / -34.00	11 MISTY MOREN DR lot 6 con 4 ON	WWIS

Well ID:	7045116	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Water Supply	**Date Received:**	14-Jun-2007 00:00:00
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z66524	**Contractor:**	6986
Tag:	A055556	**Form Version:**	3
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	PARRY SOUND
Elevatn Reliabilty:		**Lot:**	006
Depth to Bedrock:		**Concession:**	04
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	HUMPHRY TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/704\7045116.pdf

Additional Detail(s) (Map)

Well Completed Date:	2006/08/23
Year Completed:	2006
Depth (m):	93
Latitude:	45.2411259880977
Longitude:	-79.6488068704779
Path:	704\7045116.pdf

Bore Hole Information

Bore Hole ID:	11767486	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	606047.00
Code OB Desc:		**North83:**	5010625.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	23-Aug-2006 00:00:00	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	933104990
Layer:	1
Color:	8
General Color:	BLACK

Mat1: 21
Most Common Material: GRANITE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 93.0
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 933321296
Layer: 1
Plug From: 0.0
Plug To: 6.199999809265137
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 967045116
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 11775176
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930901125
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From: 6.199999809265137
Depth To: 93.0
Casing Diameter:
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Casing

Casing ID: 930901124
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: 0.0
Depth To: 6.199999809265137
Casing Diameter: 16.5
Casing Diameter UOM: cm
Casing Depth UOM: m

Results of Well Yield Testing

Pumping Test Method Desc:

Pump Test ID:	11779277
Pump Set At:	92.0
Static Level:	40.0
Final Level After Pumping:	92.0
Recommended Pump Depth:	74.0
Pumping Rate:	68.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	
Pumping Duration HR:	3
Pumping Duration MIN:	0
Flowing:	

Water Details

Water ID:	934087102
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	88.0
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	11854271
Diameter:	27.0
Depth From:	0.0
Depth To:	6.199999809265137
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	11854272
Diameter:	15.0
Depth From:	6.199999809265137
Depth To:	93.0
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Links

Bore Hole ID:	11767486	**Tag No:**	A055556
Depth M:	93	**Contractor:**	6986
Year Completed:	2006	**Path:**	704\7045116.pdf
Well Completed Dt:	2006/08/23	**Latitude:**	45.2411259880977
Audit No:	Z66524	**Longitude:**	-79.6488068704779

8 | ***1 of 1*** | ***ESE/869.8*** | ***226.0 / -39.00*** | ***3 WINCHESTER DRIVE ROSSEAU ON*** | ***WWIS***

Well ID:	7351755	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Water Supply	**Date Received:**	21-Jan-2020 00:00:00
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	

Audit No:	Z327221	**Contractor:**	7160
Tag:	A278838	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	PARRY SOUND
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

Municipality: HUMPHRY TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/735\7351755.pdf

Additional Detail(s) (Map)

Well Completed Date: 2019/10/01
Year Completed: 2019
Depth (m): 56.388
Latitude: 45.2398896528739
Longitude: -79.6485431322251
Path: 735\7351755.pdf

Bore Hole Information

Bore Hole ID:	1007931004	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	606070.00
Code OB Desc:		**North83:**	5010488.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	01-Oct-2019 00:00:00	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr

Loc Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 1008182016
Layer: 1
Color: 6
General Color: BROWN
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 4.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID:	1008182017
Layer:	2
Color:	2
General Color:	GREY
Mat1:	21
Most Common Material:	GRANITE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	4.0
Formation End Depth:	185.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1008182348
Layer:	1
Plug From:	0.0
Plug To:	20.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1008182705
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1008181737
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1008182814
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-2.0
Depth To:	20.0
Casing Diameter:	6.25
Casing Diameter UOM:	Inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1008183129
Pump Set At:	80.0
Static Level:	40.0
Final Level After Pumping:	47.5
Recommended Pump Depth:	80.0
Pumping Rate:	5.0
Flowing Rate:	

Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 0
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 1008183559
Test Type: Recovery
Test Duration: 25
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008183551
Test Type: Recovery
Test Duration: 1
Test Level: 47.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008183552
Test Type: Recovery
Test Duration: 2
Test Level: 46.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008183561
Test Type: Recovery
Test Duration: 40
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008183542
Test Type: Draw Down
Test Duration: 5
Test Level: 41.29999923706055
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008183549
Test Type: Draw Down
Test Duration: 50
Test Level: 46.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008183550
Test Type: Draw Down
Test Duration: 60
Test Level: 47.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008183538
Test Type: Draw Down
Test Duration: 1
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008183556
Test Type: Recovery
Test Duration: 10
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008183560
Test Type: Recovery
Test Duration: 30
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008183540
Test Type: Draw Down
Test Duration: 3
Test Level: 40.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008183547
Test Type: Draw Down
Test Duration: 30
Test Level: 44.70000076293945
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008183553
Test Type: Recovery
Test Duration: 3
Test Level: 44.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008183554
Test Type: Recovery
Test Duration: 4
Test Level: 43.0

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008183562
Test Type: Recovery
Test Duration: 50
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008183563
Test Type: Recovery
Test Duration: 60
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008183541
Test Type: Draw Down
Test Duration: 4
Test Level: 41.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008183543
Test Type: Draw Down
Test Duration: 10
Test Level: 42.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008183555
Test Type: Recovery
Test Duration: 5
Test Level: 41.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008183557
Test Type: Recovery
Test Duration: 15
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008183545
Test Type: Draw Down
Test Duration: 20
Test Level: 43.29999923706055
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008183546
Test Type: Draw Down
Test Duration: 25
Test Level: 44.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008183539
Test Type: Draw Down
Test Duration: 2
Test Level: 40.29999923706055
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008183544
Test Type: Draw Down
Test Duration: 15
Test Level: 42.70000076293945
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008183548
Test Type: Draw Down
Test Duration: 40
Test Level: 45.29999923706055
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008183558
Test Type: Recovery
Test Duration: 20
Test Level: 40.0
Test Level UOM: ft

Water Details

Water ID: 1008182995
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 180.0
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1008182506
Diameter: 8.75
Depth From: 0.0
Depth To: 20.0
Hole Depth UOM: ft
Hole Diameter UOM: Inch

Hole Diameter

Hole ID: 1008182507

Diameter:	6.0
Depth From:	20.0
Depth To:	180.0
Hole Depth UOM:	ft
Hole Diameter UOM:	Inch

Links

Bore Hole ID:	1007931004	**Tag No:**	A278838
Depth M:	56.388	**Contractor:**	7160
Year Completed:	2019	**Path:**	735\7351755.pdf
Well Completed Dt:	2019/10/01	**Latitude:**	45.2398896528739
Audit No:	Z327221	**Longitude:**	-79.6485431322251

9 | ***1 of 1*** | ***N/915.2*** | ***227.1 / -37.93*** | ***181 HWY #632 ON*** | ***WWIS***

Well ID:	7362576	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Water Supply	**Date Received:**	16-Jul-2020 00:00:00
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z309705	**Contractor:**	5224
Tag:	A283144	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	PARRY SOUND
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	HUMPHRY TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	1008365252	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	605273.00
Code OB Desc:		**North83:**	5011722.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	22-Jun-2020 00:00:00	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1008410466
Layer:	1

Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	87
Mat3 Desc:	STONEY
Formation Top Depth:	0.0
Formation End Depth:	8.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1008410467
Layer:	2
Color:	8
General Color:	BLACK
Mat1:	21
Most Common Material:	GRANITE
Mat2:	26
Mat2 Desc:	ROCK
Mat3:	
Mat3 Desc:	
Formation Top Depth:	8.0
Formation End Depth:	185.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1008410468
Layer:	3
Color:	2
General Color:	GREY
Mat1:	21
Most Common Material:	GRANITE
Mat2:	26
Mat2 Desc:	ROCK
Mat3:	
Mat3 Desc:	
Formation Top Depth:	185.0
Formation End Depth:	300.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1008410501
Layer:	1
Plug From:	0.0
Plug To:	20.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1008410500
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	1008410464
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1008410471
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	0.0
Depth To:	20.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1008410472
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1008410465
Pump Set At:	250.0
Static Level:	18.5
Final Level After Pumping:	180.0
Recommended Pump Depth:	200.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	0
Pumping Duration HR:	1
Pumping Duration MIN:	30
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	1008410474
Test Type:	Recovery
Test Duration:	1
Test Level:	173.8000030517578
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID: 1008410480
Test Type: Recovery
Test Duration: 4
Test Level: 155.1999969482422
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008410489
Test Type: Draw Down
Test Duration: 25
Test Level: 88.19999694824219
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008410497
Test Type: Draw Down
Test Duration: 60
Test Level: 168.6999969482422
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008410498
Test Type: Recovery
Test Duration: 60
Test Level: 18.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008410483
Test Type: Draw Down
Test Duration: 10
Test Level: 53.70000076293945
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008410494
Test Type: Recovery
Test Duration: 40
Test Level: 21.200000762939453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008410495
Test Type: Draw Down
Test Duration: 50
Test Level: 145.6999969482422
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008410477
Test Type: Draw Down
Test Duration: 3

Test Level: 34.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008410486
Test Type: Recovery
Test Duration: 15
Test Level: 101.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008410493
Test Type: Draw Down
Test Duration: 40
Test Level: 122.69999694824219
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008410475
Test Type: Draw Down
Test Duration: 2
Test Level: 29.899999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008410481
Test Type: Draw Down
Test Duration: 5
Test Level: 42.20000076293945
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008410478
Test Type: Recovery
Test Duration: 3
Test Level: 161.39999389648438
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008410479
Test Type: Draw Down
Test Duration: 4
Test Level: 38.099998474121094
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008410482
Test Type: Recovery
Test Duration: 5
Test Level: 149.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008410485
Test Type: Draw Down
Test Duration: 15
Test Level: 65.19999694824219
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008410490
Test Type: Recovery
Test Duration: 25
Test Level: 53.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008410473
Test Type: Draw Down
Test Duration: 1
Test Level: 24.799999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008410487
Test Type: Draw Down
Test Duration: 20
Test Level: 76.69999694824219
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008410488
Test Type: Recovery
Test Duration: 20
Test Level: 77.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008410476
Test Type: Recovery
Test Duration: 2
Test Level: 167.60000610351562
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008410484
Test Type: Recovery
Test Duration: 10
Test Level: 125.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008410491
Test Type: Draw Down

Test Duration: 30
Test Level: 99.69999694824219
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008410492
Test Type: Recovery
Test Duration: 30
Test Level: 33.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1008410496
Test Type: Recovery
Test Duration: 50
Test Level: 18.5
Test Level UOM: ft

Water Details

Water ID: 1008410470
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 300.0
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1008410469
Diameter: 6.0
Depth From: 0.0
Depth To: 300.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

Links

Bore Hole ID: 1008365252
Depth M: 91.44
Year Completed: 2020
Well Completed Dt: 2020/06/22
Audit No: Z309705
Tag No: A283144
Contractor: 5224
Path: 736\7362576.pdf
Latitude: 45.2511141973354
Longitude: -79.6584336430677

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10 | ***1 of 1*** | ***SW/989.9*** | ***226.0 / -39.00*** | ***lot 9 con 4 ON*** | ***WWIS***

Well ID: 4802987
Construction Date:
Use 1st: Domestic
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 19-Oct-1979 00:00:00
Selected Flag: TRUE
Abandonment Rec:
Contractor: 2550
Form Version: 1
Owner:
County: PARRY SOUND
Lot: 009

Depth to Bedrock:		**Concession:**	04
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	HUMPHRY TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/480\4802987.pdf

Additional Detail(s) (Map)

Well Completed Date:	1979/09/11
Year Completed:	1979
Depth (m):	79.248
Latitude:	45.2349932457197
Longitude:	-79.6646493154709
Path:	480\4802987.pdf

Bore Hole Information

Bore Hole ID:	10309083	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	604814.90
Code OB Desc:		**North83:**	5009923.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	11-Sep-1979 00:00:00	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Loc Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932012118
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	0.0
Formation End Depth:	14.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932012119
Layer:	2
Color:	7

General Color:	RED
Mat1:	21
Most Common Material:	GRANITE
Mat2:	73
Mat2 Desc:	HARD
Mat3:	66
Mat3 Desc:	DENSE
Formation Top Depth:	14.0
Formation End Depth:	260.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964802987
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10857653
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930509846
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	260.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930509845
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	16.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	994802987
Pump Set At:	
Static Level:	40.0
Final Level After Pumping:	182.0
Recommended Pump Depth:	250.0
Pumping Rate:	4.0
Flowing Rate:	
Recommended Pump Rate:	3.0
Levels UOM:	ft

Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934516812
Test Type: Draw Down
Test Duration: 30
Test Level: 182.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935035098
Test Type: Draw Down
Test Duration: 60
Test Level: 182.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934251289
Test Type: Draw Down
Test Duration: 15
Test Level: 182.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934780436
Test Type: Draw Down
Test Duration: 45
Test Level: 182.0
Test Level UOM: ft

Water Details

Water ID: 933781543
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 258.0
Water Found Depth UOM: ft

Links

Bore Hole ID: 10309083
Depth M: 79.248
Year Completed: 1979
Well Completed Dt: 1979/09/11
Audit No:
Tag No:
Contractor: 2550
Path: 480\4802987.pdf
Latitude: 45.2349932457197
Longitude: -79.6646493154709

Unplottable Summary

Total: 20 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	Stormy Point	Par of Lot 5 and 6, Concession 4	Seguin ON	
LIMO	Bondi Village Landfill Bondi Village Limited Township of Lake of Bays	Lot 7 Muskoka	ON	
LIMO	Gibson Landfill The District Municipality of Muskoka Township of Georgian Bay	Lot 7 Muskoka	ON	
LIMO	Stephesons Ward Landfill The Corporation of the Town of Huntsville Town of	Hunstville Lot 8, Concession Muskoka	ON	
PRT	SUNGKIKANG	LOT 7 CON 6	ARMOUR TWP ON	
SPL	Hydro One Networks Inc	Con 6 Lot 6 Lount Township	Parry Sound ON	
SPL	ONTARIO HYDRO	LOT 7, CONC.X BAXTER TWP, REG. PLAN 43 PT OF LOT 9. TRANSFORMER	MUSKOKA D.M. ON	
SPL	ONTARIO HYDRO	MAPLEHURST ROAD (CONC. 5), LOT 6 TRANSFORMER	SEGUIN TOWNSHIP ON	
SPL	ONTARIO HYDRO	LOT 8 CONC 4 MOTOR VEHICLE (OPERATING FLUID)	SEGUIN TOWNSHIP ON	
SPL	ONTARIO HYDRO	LOT 5, CONC 5, HUMPHREY TWP, SUMMIT RD. TRANSFORMER	SEGUIN TOWNSHIP ON	
SPL	ONTARIO HYDRO SERVICES COMPANY	AT LOT 5, CONC. 6 TRANSFORMER	ARMOUR TWP. ON	
WWIS		lot 8	ON	
WWIS		lot 7	ON	
WWIS		lot 5	ON	
WWIS		lot 5	ON	
WWIS		lot 8	ON	
WWIS		lot 6	ON	

WWIS	lot 6	ON
WWIS	lot 7	ON
WWIS	lot 6	ON

Unplottable Report

Site: ***Stormy Point***
Par of Lot 5 and 6, Concession 4 Seguin ON

Database: ***CA***

Certificate #:	7654-4ZLMM2
Application Year:	01
Issue Date:	8/14/01
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Corporation of the Township of Seguin
Client Address:	5 Humphrey Drive, R.R. #2
Client City:	Seguin
Client Postal Code:	P2A 2W8
Project Description:	Stormwater Management - Infiltration Trench
Contaminants:	
Emission Control:	

Site: ***Bondi Village Landfill Bondi Village Limited Township of Lake of Bays***
Lot 7 Muskoka ON

Database: ***LIMO***

ECA/Instrument No:	A510608	***Natural Attenuation:***	
Operation Status:	Closed	***Liners:***	
C of A Issue Date:		***Cover Material:***	
C of A Issued to:		***Leachate Off-Site:***	
Lndfl Gas Mgmt (P):		***Leachate On Site:***	
Lndfl Gas Mgmt (F):		***Req Coll Lndfll Gas:***	
Lndfl Gas Mgmt (E):		***Lndfll Gas Coll:***	
Lndfl Gas Mgmt Sys:		***Total Waste Rec:***	
Landfill Gas Mntr:		***TWR Methodology:***	
Leachate Coll Sys:		***TWR Unit:***	
ERC Est Vol (m3):		***Tot Aprv Cap Unit:***	
ERC Volume Unit:		***Financial Assurance:***	
ERC Dt Last Det:		***Last Report Year:***	
Landfill Type:		***Region:***	
Source File Type:		***District Office:***	
Fill Rate:		***Site County:***	
Fill Rate Unit:		***Lot:***	
Tot Fill Area (ha):		***Concession:***	
Tot Site Area (ha):		***Latitude:***	
Footprint:		***Longitude:***	
Tot Apprv Cap (m3):		***Easting:***	
Contam Atten Zone:		***Northing:***	
Grndwtr Mntr:		***UTM Zone:***	
Surf Wtr Mntr:		***Data Source:***	
Air Emis Monitor:			
Approved Waste Type:			
Client Site Name:			
ERC Methodology:			
Site Name:	Bondi Village Landfill Bondi Village Limited Township of Lake of Bays		
Site Location Details:			
Service Area:			
Page URL:			

Site: ***Gibson Landfill The District Municipality of Muskoka Township of Georgian Bay***
Lot 7 Muskoka ON

Database: ***LIMO***

ECA/Instrument No: A510507
Operation Status: Closed
C of A Issue Date:
C of A Issued to:
Lndfl Gas Mgmt (P):
Lndfl Gas Mgmt (F):
Lndfl Gas Mgmt (E):
Lndfl Gas Mgmt Sys:
Landfill Gas Mntr:
Leachate Coll Sys:
ERC Est Vol (m3):
ERC Volume Unit:
ERC Dt Last Det:
Landfill Type:
Source File Type:
Fill Rate:
Fill Rate Unit:
Tot Fill Area (ha):
Tot Site Area (ha):
Footprint:
Tot Apprv Cap (m3):
Contam Atten Zone:
Grndwtr Mntr:
Surf Wtr Mntr:
Air Emis Monitor:
Approved Waste Type:
Client Site Name:
ERC Methodology:
Site Name: Gibson Landfill
The District Municipality of Muskoka
Township of Georgian Bay
Site Location Details:
Service Area:
Page URL:

Natural Attenuation:
Liners:
Cover Material:
Leachate Off-Site:
Leachate On Site:
Req Coll Lndfll Gas:
Lndfll Gas Coll:
Total Waste Rec:
TWR Methodology:
TWR Unit:
Tot Aprv Cap Unit:
Financial Assurance:
Last Report Year:
Region:
District Office:
Site County:
Lot:
Concession:
Latitude:
Longitude:
Easting:
Northing:
UTM Zone:
Data Source:

Site: ***Stephesons Ward Landfill The Corporation of the Town of Huntsville Town of Hunstville Lot 8, Concession Muskoka ON***

Database: ***LIMO***

ECA/Instrument No: A510403
Operation Status: Closed
C of A Issue Date:
C of A Issued to:
Lndfl Gas Mgmt (P):
Lndfl Gas Mgmt (F):
Lndfl Gas Mgmt (E):
Lndfl Gas Mgmt Sys:
Landfill Gas Mntr:
Leachate Coll Sys:
ERC Est Vol (m3):
ERC Volume Unit:
ERC Dt Last Det:
Landfill Type:
Source File Type:
Fill Rate:
Fill Rate Unit:
Tot Fill Area (ha):
Tot Site Area (ha):
Footprint:
Tot Apprv Cap (m3):
Contam Atten Zone:
Grndwtr Mntr:
Surf Wtr Mntr:
Air Emis Monitor:
Approved Waste Type:
Client Site Name:
ERC Methodology:
Site Name: Stephesons Ward Landfill
The Corporation of the Town of Huntsville

Natural Attenuation:
Liners:
Cover Material:
Leachate Off-Site:
Leachate On Site:
Req Coll Lndfll Gas:
Lndfll Gas Coll:
Total Waste Rec:
TWR Methodology:
TWR Unit:
Tot Aprv Cap Unit:
Financial Assurance:
Last Report Year:
Region:
District Office:
Site County:
Lot:
Concession:
Latitude:
Longitude:
Easting:
Northing:
UTM Zone:
Data Source:

Town of Hunstville

Site Location Details:
Service Area:
Page URL:

Site: ***SUNGKIKANG***
LOT 7 CON 6 ARMOUR TWP ON

Database: ***PRT***

Location ID: 985
Type: retail
Expiry Date: 1995-06-30
Capacity (L): 17598
Licence #: 0076364561

Site: ***Hydro One Networks Inc***
Con 6 Lot 6 Lount Township Parry Sound ON

Database: ***SPL***

Ref No:	8138-8AG2HV	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Other Discharges	***Sector Type:***	Transformer
Incident Event:		***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	TRANSFORMER OIL (N.O.S.)	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Confirmed	***Site Municipality:***	
Nature of Impact:	Soil Contamination	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	No Field Response	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	10/21/2010	***Site Map Datum:***	
Dt Document Closed:	11/2/2010	***SAC Action Class:***	Land Spills
Incident Reason:	Spill	***Source Type:***	
Site Name:	Pole Top Transfomer<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Ontario Hydto- 40 L non pcb, cln tomorrow		
Contaminant Qty:	40 L		

Site: ***ONTARIO HYDRO***
LOT 7, CONC.X BAXTER TWP, REG. PLAN 43 PT OF LOT 9. TRANSFORMER MUSKOKA D.M. ON

Database: ***SPL***

Ref No:	10265	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	10/8/1988	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	COOLING SYSTEM LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:		***Site Municipality:***	33000
Nature of Impact:		***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	10/8/1988	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	

Incident Reason:	OVERSTRESS/OVERPRESSURE	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	ONT. HYDRO -1 LITRE PCB TRANSFORMER OIL TO GROUND.		
Contaminant Qty:			

Site: ***ONTARIO HYDRO***
MAPLEHURST ROAD (CONC. 5), LOT 6 TRANSFORMER SEGUIN TOWNSHIP ON

Database: ***SPL***

Ref No:	103711	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	8/8/1994	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	COOLING SYSTEM LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	POSSIBLE	***Site Municipality:***	86623
Nature of Impact:	Soil contamination	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	8/8/1994	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	OTHER	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	ONTARIO HYDRO:68L <50 PPMPCB TRANSFORMER OIL TO GRAVEL ROAD: CLEANED UP		
Contaminant Qty:			

Site: ***ONTARIO HYDRO***
LOT 8 CONC 4 MOTOR VEHICLE (OPERATING FLUID) SEGUIN TOWNSHIP ON

Database: ***SPL***

Ref No:	147901	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	10/15/1997	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	PIPE/HOSE LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	POSSIBLE	***Site Municipality:***	86623
Nature of Impact:	Soil contamination	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	10/15/1997	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	MATERIAL FAILURE	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	ONTARIO HYDRO - 10 L OF HYDRAULIC OIL TO ROAD FROM TREE FARMER: CLEANED		
Contaminant Qty:			

Site: ***ONTARIO HYDRO***
LOT 5, CONC 5, HUMPHREY TWP, SUMMIT RD. TRANSFORMER SEGUIN TOWNSHIP ON

Database: ***SPL***

Ref No:	156449	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	6/2/1998	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	COOLING SYSTEM LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	POSSIBLE	***Site Municipality:***	86623
Nature of Impact:	Soil contamination	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	6/4/1998	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	STORM/FLOOD/WIND	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			

Incident Summary: ONTARIO HYDRO - 10L TRANSFORMER OIL TO GROUND, WIND STORM, CLEANED.
Contaminant Qty:

Site: ***ONTARIO HYDRO SERVICES COMPANY***
AT LOT 5, CONC. 6 TRANSFORMER ARMOUR TWP. ON

Database: ***SPL***

Ref No:	171061	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	//	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	COOLING SYSTEM LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	POSSIBLE	***Site Municipality:***	86601
Nature of Impact:	Soil contamination	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	8/3/1999	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	STORM/FLOOD/WIND	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			

Incident Summary: ONT. HYDRO - 15 LITRES OF OIL TO GROUND FROM TRANSFORMER HIT BY STORM.
Contaminant Qty:

Site:
lot 8 ON

Database: ***WWIS***

Well ID:	4809597	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	12-Mar-2004 00:00:00
Water Type:		***Selected Flag:***	TRUE

Casing Material:
Audit No: 262063
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: ROSSEAU VILLAGE
Site Info:

Abandonment Rec:
Contractor: 6986
Form Version: 2
Owner:
County: PARRY SOUND
Lot: 008
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11099263
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 28-Sep-2003 00:00:00
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 932948376
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 1.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932948377
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 1.0
Formation End Depth: 9.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932948378
Layer: 3
Color: 8
General Color: BLACK
Mat1: 21
Most Common Material: GRANITE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 9.0
Formation End Depth: 210.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933246680
Layer: 1
Plug From: 0.0
Plug To: 20.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964809597
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 11102978
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930834862
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 210.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930834861
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	994809597
Pump Set At:	
Static Level:	36.0
Final Level After Pumping:	
Recommended Pump Depth:	200.0
Pumping Rate:	5.0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	934044549
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	185.0
Water Found Depth UOM:	ft

Site:

lot 7 ON

Database: ***WWIS***

Well ID:	4807482	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	17-Oct-1996 00:00:00
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	107865	***Contractor:***	3678
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	PARRY SOUND
Elevatn Reliabilty:		***Lot:***	007
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	ROSSEAU VILLAGE		
Site Info:			

Bore Hole Information

Bore Hole ID:	10313525	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	01-Sep-1996 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Loc Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			

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

Overburden and Bedrock Materials Interval

Formation ID: 932024943
Layer: 2
Color: 6
General Color: BROWN
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 62.0
Formation End Depth: 63.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932024944
Layer: 3
Color: 2
General Color: GREY
Mat1: 26
Most Common Material: ROCK
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 63.0
Formation End Depth: 65.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932024942
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 62.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964807482
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10862095
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930517510
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 63.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930517511
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 65.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 994807482
Pump Set At:
Static Level: 3.0
Final Level After Pumping: 8.0
Recommended Pump Depth:
Pumping Rate: 7.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 10
Pumping Duration MIN: 30
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 935043770
Test Type: Draw Down
Test Duration: 60
Test Level: 8.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934259515
Test Type: Draw Down
Test Duration: 15
Test Level: 8.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934525850
Test Type: Draw Down
Test Duration: 30
Test Level: 8.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934779440
Test Type: Draw Down
Test Duration: 45
Test Level: 8.0
Test Level UOM: ft

Water Details

Water ID: 933786471
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 63.0
Water Found Depth UOM: ft

Site:
lot 5 ON

Database: ***WWIS***

Well ID: 4806099
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 81384
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: HUMPHRY TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 18-Dec-1990 00:00:00
Selected Flag: TRUE
Abandonment Rec:
Contractor: 2550
Form Version: 1
Owner:
County: PARRY SOUND
Lot: 005
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10312159
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 23-Oct-1990 00:00:00
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:

Elevation:
Elevrc:
Zone: 17
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 932021017
Layer: 2
Color: 2
General Color: GREY
Mat1: 21
Most Common Material: GRANITE
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 2.0
Formation End Depth: 105.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932021016
Layer: 1
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 66
Mat2 Desc: DENSE
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964806099
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10860729
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930515318
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 994806099
Pump Set At:
Static Level: 23.0
Final Level After Pumping: 50.0
Recommended Pump Depth: 95.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934530736
Test Type: Draw Down
Test Duration: 30
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934256285
Test Type: Draw Down
Test Duration: 15
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934785463
Test Type: Draw Down
Test Duration: 45
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935048750
Test Type: Draw Down
Test Duration: 60
Test Level: 50.0
Test Level UOM: ft

Water Details

Water ID: 933784874
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 100.0
Water Found Depth UOM: ft

Site:
lot 5 ON

Database: ***WWIS***

Well ID: 4805294
Construction Date:
Use 1st:

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

Use 2nd:
Final Well Status: Abandoned-Supply
Water Type:
Casing Material:
Audit No: 23447
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: ROSSEAU VILLAGE
Site Info:

Data Src: 1
Date Received: 20-Jan-1989 00:00:00
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1366
Form Version: 1
Owner:
County: PARRY SOUND
Lot: 005
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10311362
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 07-Feb-1988 00:00:00
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 932018792
Layer: 2
Color: 2
General Color: GREY
Mat1: 21
Most Common Material: GRANITE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 2.0
Formation End Depth: 80.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932018793
Layer: 3
Color: 2
General Color: GREY
Mat1: 21
Most Common Material: GRANITE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:

Formation Top Depth: 80.0
Formation End Depth: 120.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932018791
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932018794
Layer: 4
Color: 2
General Color: GREY
Mat1: 21
Most Common Material: GRANITE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 120.0
Formation End Depth: 525.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964805294
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 10859932
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930513935
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930513936
Layer: 2
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 525.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Site:
lot 8 ON

Database: ***WWIS***

Well ID: 4806340
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 107817
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: HUMPHRY TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 15-Nov-1991 00:00:00
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3665
Form Version: 1
Owner:
County: PARRY SOUND
Lot: 008
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10312400
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 17-Sep-1991 00:00:00
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 932021664
Layer: 2
Color: 2
General Color: GREY
Mat1: 21
Most Common Material: GRANITE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:

Formation Top Depth: 3.0
Formation End Depth: 345.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932021663
Layer: 1
Color: 6
General Color: BROWN
Mat1: 13
Most Common Material: BOULDERS
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 3.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933169133
Layer: 1
Plug From: 0.0
Plug To: 20.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964806340
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10860970
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930515733
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 345.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930515732
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20.0

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

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 994806340
Pump Set At:
Static Level: 20.0
Final Level After Pumping:
Recommended Pump Depth: 335.0
Pumping Rate: 1.0
Flowing Rate:
Recommended Pump Rate: 3.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934786042
Test Type: Recovery
Test Duration: 45
Test Level: 307.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935049194
Test Type: Recovery
Test Duration: 60
Test Level: 290.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934256732
Test Type: Recovery
Test Duration: 15
Test Level: 333.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934531317
Test Type: Recovery
Test Duration: 30
Test Level: 320.0
Test Level UOM: ft

Water Details

Water ID: 933785139
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth:
Water Found Depth UOM: ft

Site:
lot 6 ON

Database:
WWIS

Well ID:	4808576	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	18-Sep-2000 00:00:00
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	221283	***Contractor:***	2550
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	PARRY SOUND
Elevatn Reliabilty:		***Lot:***	006
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	HUMPHRY TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	10314619	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	01-Sep-2000 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Loc Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932027661
Layer:	2
Color:	2
General Color:	GREY
Mat1:	21
Most Common Material:	GRANITE
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	66
Mat3 Desc:	DENSE
Formation Top Depth:	5.0
Formation End Depth:	220.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932027660
Layer:	1
Color:	6
General Color:	BROWN

Mat1: 28
Most Common Material: SAND
Mat2: 77
Mat2 Desc: LOOSE
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 5.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933169725
Layer: 1
Plug From: 0.0
Plug To: 20.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964808576
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10863189
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930519306
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 994808576
Pump Set At:
Static Level: 100.0
Final Level After Pumping: 200.0
Recommended Pump Depth: 150.0
Pumping Rate: 30.0
Flowing Rate:
Recommended Pump Rate: 15.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934781691
Test Type: Draw Down
Test Duration: 45
Test Level: 200.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935046573
Test Type: Draw Down
Test Duration: 60
Test Level: 200.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934261782
Test Type: Draw Down
Test Duration: 15
Test Level: 200.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934527559
Test Type: Draw Down
Test Duration: 30
Test Level: 200.0
Test Level UOM: ft

Water Details

Water ID: 933787685
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 214.0
Water Found Depth UOM: ft

Site:
lot 6 ON

Database:
WWIS

Well ID: 4808348
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 209150
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: PARRY SOUND TOWN
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 13-Oct-1999 00:00:00
Selected Flag: TRUE
Abandonment Rec:
Contractor: 2550
Form Version: 1
Owner:
County: PARRY SOUND
Lot: 006
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10314391	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	24-Sep-1999 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Loc Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932027126
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	60.0
Formation End Depth:	123.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932027127
Layer:	3
Color:	2
General Color:	GREY
Mat1:	21
Most Common Material:	GRANITE
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	123.0
Formation End Depth:	140.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932027125
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	77
Mat2 Desc:	LOOSE
Mat3:	
Mat3 Desc:	

Formation Top Depth: 0.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933169642
Layer: 1
Plug From: 0.0
Plug To: 125.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964808348
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10862961
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930518938
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 127.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 994808348
Pump Set At:
Static Level: 25.0
Final Level After Pumping: 130.0
Recommended Pump Depth: 100.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 1
Pumping Duration HR: 4
Pumping Duration MIN: 30
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934261240
Test Type:
Test Duration: 15

Test Level: 130.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934527015
Test Type:
Test Duration: 30
Test Level: 130.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935046005
Test Type:
Test Duration: 60
Test Level: 130.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934781152
Test Type:
Test Duration: 45
Test Level: 130.0
Test Level UOM: ft

Water Details

Water ID: 933787435
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 135.0
Water Found Depth UOM: ft

Site:
lot 7 ON

Database:
WWIS

Well ID: 4808136
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 178389
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: HUMPHRY TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 05-Mar-1999 00:00:00
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6986
Form Version: 1
Owner:
County: PARRY SOUND
Lot: 007
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10314179
DP2BR:
Spatial Status:

Elevation:
Elevrc:
Zone: 17

Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 05-Sep-1998 00:00:00
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 932026641
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932026642
Layer: 2
Color: 2
General Color: GREY
Mat1: 21
Most Common Material: GRANITE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 2.0
Formation End Depth: 300.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933169547
Layer: 1
Plug From: 0.0
Plug To: 20.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964808136
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10862749
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930518575
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 300.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930518574
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 994808136
Pump Set At:
Static Level: 17.0
Final Level After Pumping:
Recommended Pump Depth: 290.0
Pumping Rate: 3.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933787201
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth:
Water Found Depth UOM: ft

Site:
lot 6 ON

Database: ***WWIS***

Well ID: 4808135
Construction Date:
Use 1st: Domestic
Use 2nd:
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1

Final Well Status:	Water Supply	***Date Received:***	05-Mar-1999 00:00:00
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	176817	***Contractor:***	6986
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	PARRY SOUND
Elevatn Reliabilty:		***Lot:***	006
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	HUMPHRY TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	10314178	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	01-May-1998 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Loc Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932026639
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12.0
Formation End Depth:	20.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932026640
Layer:	4
Color:	4
General Color:	GREEN
Mat1:	21
Most Common Material:	GRANITE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	20.0

Formation End Depth: 60.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932026637
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932026638
Layer: 2
Color: 6
General Color: BROWN
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 2.0
Formation End Depth: 12.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933169546
Layer: 1
Plug From: 0.0
Plug To: 10.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 964808135
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10862748
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930518573
Layer: 2

Material:
Open Hole or Material:
Depth From:
Depth To: 60.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930518572
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 25.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 994808135
Pump Set At:
Static Level: 6.0
Final Level After Pumping:
Recommended Pump Depth: 40.0
Pumping Rate: 18.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933787200
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 58.0
Water Found Depth UOM: ft

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ***Note:*** *Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.*

Abandoned Aggregate Inventory: 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 Nov 2021

Abandoned Mine Information System: Provincial AMIS

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Government Publication Date: 1800-Mar 2022

Anderson's Waste Disposal Sites: Private ANDR

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Government Publication Date: 1999-May 31, 2022

Borehole: Provincial BORE

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

Government Publication Date: Jan 2004-Dec 2020

Commercial Fuel Oil Tanks: Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.
Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Chemical Manufacturers and Distributors: Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Government Publication Date: 1999-May 31, 2022

Compressed Natural Gas Stations: Private 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 -Sep 2022

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-Jun 2022

Certificates of Property Use: Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

Government Publication Date: 1994 - Sep 30, 2022

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 2020

Delisted Fuel Tanks: Provincial DTNK

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: Feb 28, 2022

Environmental Activity and Sector Registry: Provincial EASR

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 2011- Aug 31, 2022

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 - Sep 30, 2022

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- Aug 31, 2022

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-Jul 31, 2022

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: Apr 30, 2022

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, 2021

List of Expired Fuels Safety Facilities: Provincial EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Federal Convictions: Federal FCON

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal 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-Sep 2022

Fisheries & Oceans Fuel Tanks: Federal FOFT

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS): Federal FRST

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

Government Publication Date: May 31, 2018

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

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, 2022

Greenhouse Gas Emissions from Large Facilities: Federal GHG

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO2 eq).

Government Publication Date: 2013-Dec 2019

TSSA Historic Incidents: Provincial HINC

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing in a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Landfill Inventory Management Ontario: Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Mar 21, 2022

Canadian Mine Locations: Private MINE

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Government Publication Date: 1846-Feb 2022

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, 2020

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells: Federal NEBP

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-Aug 31, 2022

Ontario Oil and Gas Wells: Provincial OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Aug 2021

Inventory of PCB Storage Sites: Provincial OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Orders: Provincial ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994 - Sep 30, 2022

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- Aug 31, 2022

Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2021

Private and Retail Fuel Storage Tanks: Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - Sep 30, 2022

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-1990, 1992-2019

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-Sep 2022

Retail Fuel Storage Tanks: Private RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

Government Publication Date: 1999-May 31, 2022

Scott's Manufacturing Directory: Private SCT

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-Sep 2020; Dec 2020-Mar 2021

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, 2020

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 - Dec 2020

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.
Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Oct 2011- Aug 31, 2022

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: Jun 30 2022

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

Appendix E - Regulatory Documents

Regulatory Framework

PROVINCIAL STATUTES

Technical Standards and Safety Act, 2000

Fuel Oil Regulation 213/01

The applicable sections of the Fuel Oil Code include installation requirements for underground storage tanks (USTs), all pressure testing, and abandonment of tanks if connected to an ignition source (past or present). Also described is the requirement for contaminated soil removal, if this is identified while tank removal is being undertaken.

Liquid Fuels Regulation 217/01

Outlines the requirements for installation, protection, containment and abandonment of above-ground storage tanks (ASTs) and USTs. Also outlines the requirement for cleanup of any soil surrounding the tank which may be contaminated.

Occupational Health and Safety Act, 1990

Regulation respecting Asbestos, Ontario Regulation 837/90, (as amended by Ontario Regulation 509/92); and Regulation respecting Asbestos on Construction Projects and in Buildings and Repair Operations, Ontario Regulation 838/90, (as amended by Ontario Regulation 510/92)

Regulation 837/90 (formerly 570/82) is primarily concerned with the mining of asbestos and its use in industrial processes. However, if an asbestos management program was developed under this regulation prior to the filing of Regulation 838 (formerly 654) (December 16, 1985), this regulation still applies to building owners.

Regulation 838/90 was developed to address friable asbestos-containing material. A friable material is one that can be crumbled, pulverized, or powdered by hand pressure when dry. It has the potential for asbestos to become airborne. Materials of concern include insulation used on pipe, boilers, or sprayed on roofs. These applications have been banned by the regulations. Automotive and elevator system brake pads are examples of other asbestos materials that may become friable.

Regulation 838/90 requires that a management program be established in buildings where friable asbestos is known to be present. This program includes training of workers who may disturb the materials containing asbestos. The program must also include a program of inspection and maintenance of the materials. This regulation is designed to prevent worker exposure to airborne asbestos fibers.

Although asbestos is not considered a hazardous waste, Regulation 347, made under the Ontario Environmental Protection Act, does define specific requirements for the disposal of materials containing friable asbestos at landfills. These requirements include notification of the landfill site, labeling and containment of the material.

Bill 208

Bill 208, an Act to amend the Occupational Health and Safety Act and the Workers Compensation Act, requires the building owner to report to contractors and subcontractors any "Designated Substances" present, especially before any construction work is undertaken on the owner's building/property. The Designated Substances, identifying hazardous materials which are subject to Ontario Ministry of Labour regulations, include the following:

Acrylonitrile	Arsenic	Asbestos
Benzene	Coke Oven Emissions	Ethylene Oxide
Isocyanates	Lead	Mercury
Silica	Vinyl Chloride	

Although PCB is not a designated substance, the building is required to be surveyed for its identification as required under O.R. 362.

Ontario Environmental Protection Act, 1990

Key Regulations

Ontario Regulation 101/94 - Recycling and composting of municipal waste
Ontario Regulation 102/94 - Waste Audits and Waste Reduction Work Plans
Ontario Regulation 103/94 - Industrial, Commercial and Institutional Source Separation Programs
Ontario Regulation 104/94 - Packaging Audits and Packaging Reduction Work Plans
Ontario Regulation 105/94 - Amendments to Ontario Reg. 347 to accommodate recyclable materials

Air Pollution - General, RSO 1990, Regulation 346

Controls the certification of air discharges to the Environment. Further outlines contaminants and quantities which may be discharged through air emissions. Requires all air emissions to have a Certificate of Approval (C of A) with few exceptions. The C of A must be gained prior to installation of the air discharge vent or aperture.

General Waste Management, RSO 1990, Regulation 347

Formerly known as Regulation 309, RSO 1980, this regulation outlines the registration and disposal requirements for generators of hazardous and liquid industrial waste. The regulation requires that all waste identified in any of the associated schedules be given a generator number which applies to the site, and may not be transferred.

PCB Waste Management - RSO 1990, Regulation 362

Formerly known as Ontario Regulation 11/82, this regulation details the management of PCB waste. Also defines what is considered PCB waste and the requirements for storage.

Ozone Depleting Substances - General, Regulation 356/90, (as amended by Ontario Regulation 851/93; and Ontario Regulation 189/94, Refrigerants).

Regulation 356/90 is concerned with the use of ozone depleting substances in the making of pressurized containers, flexible foams and rigid insulation foams. It restricts the amounts of ozone depleting substances used to make these products over a period of time.

Ontario Regulation 189/94 is concerned with the discharge of a refrigerant into the natural environment, the use and disposal of refrigeration equipment, the sale of refrigerant, the use and disposal of refrigerant containers and the certification in use of refrigerants and refrigeration equipment.

Spills, Regulation 360/90-Part X RSO 1990. This regulation defines a spill, outlines compensation procedures, and give exemption to the regulation. The spill may be broadly termed an event or release which may cause, or is likely to cause, adverse effects on human health or the natural environment.

Ontario Water Resources Act

The Act governs surface water bodies and ground water. The MOE Reasonable Use Policy 15-08 and Notice 3/87 incorporate this Act and are used to determine suitable levels for discharges to specific receiving bodies.

Ontario Regulation 903 well Abandonment to protect groundwater quality.

Municipal Statutes

Ontario Ministry of Environmental Model and Municipal Sewer Use By-Laws

Each Municipality has its own version of both sanitary and storm sewer use regulations. However, under the Municipal Industrial Strategy for Abatement (MISA), a Model Sewer Use By-Law has been developed. The vast majority of municipalities have adopted the values and parameters outlined by the MISA Model. In general, the MISA Model is an important comparison as a Municipality will generally be working towards this as a discharge goal.

The City of Toronto has approved a new By-law for discharge to storm and sanitary sewers that includes a significant test of parameters. Testing requirements are based on the current and historical knowledge at the site.

FEDERAL STATUTES

Canadian Environmental Protection Act:

In general, a more broadly based guideline which outlines objectives of environmental protection. CEPA is much more goal oriented than Provincial or Municipal regulations, which are more directed at quantitative discharge limits. Although Provincial and Municipal regulations are generally more comprehensive and stricter, CEPA must be complied within all cases.

Chlorobiphenyls Regulation, SOR/91-152, February 1991.

Extract from Canada Gazette, Part II, Department of the Environment. This regulation outlines prohibition, quantities which may be released, and defined PCB as a waste.

Storage of PCB Material Regulation (SOR/92-507)

This regulation defines PCBs, outlines access to site, storage requirements, maintenance and inspection and record keeping requirements. This regulation is outlined in Ontario by Provincial PCB regulation (O.R. 362) with comparable enforceable requirements and effect.

Atomic Energy Control Act

Exposure to radioactive materials is regulated by the Atomic Energy Control Board. Exposure to radon is regulated by Health and Welfare Canada.

Other Guidelines

Canada Mortgage and Housing Corporation (CMHC) Mortgage Insurance

Policy for managing environmental risks, June 1993, from Canada Mortgage and Housing Corporation (CMHC).

CMHC identifies requirements for environmental site assessments to be conducted for all mortgage insurance applications or potential claims involving more than six housing units.

Canadian Standards Association (CSA)

CSA Standard Z-768 Phase I Environmental Site Assessment.

The Canadian Standards Association prepared a comprehensive document (Z-768) to provide standard reporting formats for documenting information necessary to assess environmental liability on a property.

Canadian Council for Ministries of the Environment (CCME)

Criteria used by CMHC to define soil and groundwater contamination, where provinces or territories do not have such criteria defined for residential/parkland use.

Guideline for use at contaminated Sites in Ontario - Revised 1997, 1998

Provides criteria to define soil and groundwater contamination at sites to various land and groundwater uses.

Legal Notification

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