Waters Environmental Geosciences Ltd.
P.O. Box 69
Lively, Ontario
P3Y 1M2

Telephone (705) 692 - 0937
Toll Free (888) 585 - 7805
Facsimile (705) 692 - 0466
e-mail waters@on.aibn.com

November 12, 2009 27-183a

North Bay - Mattawa Conservation Authority
15 Janey Avenue
North Bay, Ontario
P1C 1N1

Attention: Francis Gallo
Water Resources Specialist, Source Water Protection

Dear Francis,

Technical Assessment Report
Groundwater Risk Assessment
Municipality of Powassan

1.0 INTRODUCTION

A Groundwater Vulnerability Analysis was carried out on the Municipality of Powassan municipal well field by Waters Environmental Geosciences Ltd., and has been reported to the North Bay - Mattawa Conservation Authority under a separate cover (Waters' report No. 27-183a, dated November 12, 2009). The Groundwater Vulnerability Analysis followed the methodology of Guidance Module 3, while the present analysis reflects a combination of the methodologies outlined in Guidance Module 5 (Threats Inventory and Issues) and Guidance Module 6 (Water Quality Risk Assessment). This work was undertaken with the assistance of the North Bay - Mattawa Conservation Authority and the Municipality of Powassan.

2.0 ASSESSMENT METHODOLOGY OVERVIEW

The goal of the present study is to assist the North Bay - Mattawa Conservation Authority in the development of a source water assessment report and associated protection plan, based on available information sources including consultations with the

public and other agencies. The study relies upon the interpretations presented in the companion document covering the Groundwater Vulnerability Analysis for the Powassan well field, and carries forward with the assessment through a consideration of the potential groundwater quality issues and threats associated with the water supply system.

As identified in Guidance Module 5 (2006), a groundwater issue is a water quality problem that is documented and currently exists in the source water supply, or is a recognized problem that can reasonably be predicted to be a problem in the near future (based on an extrapolation of current trends in water quality at the source). The identification of a drinking water issue is based on documented evidence contained in municipal water quality monitoring reports, including information gathered in support of compliance monitoring activities by the Ministry of the Environment or in private consulting reports related to infrastructure maintenance work. The data assessment process also has a provision to consider drinking water concerns (identified through the public consultation process), which are potential drinking water issues which are believed to exist but for which data have not been collected or otherwise substantiated by monitoring (or other verification methods). A drinking water concern cannot be elevated to an “issue” status without verification.

The drinking water issues evaluation is focused on linking observed water quality problems to specific drinking water threats (if possible), so that the appropriate mitigation and management techniques can be applied to reduce or eliminate the issue. However, in some cases, the appearance of a drinking water issue may be due to natural sources (such as the underlying geological formations), which cannot be attributed to a specific anthropogenic (man-made) threat. Although naturally-occurring, these water quality problems are still listed as “issues” following the recommendations of the Guidance Module.

In contrast, a groundwater threat is a land use activity (either existing or historical), within the study area, which may cause a water quality issue to occur if managed improperly. In the present assessment, the study area was identified as being the well head protection area (WHPA) for the Powassan well field and, within the WHPA, individual vulnerable areas were defined (Groundwater Vulnerability Analysis, 2009) based on site-specific hydrogeological conditions and distance from the municipal well intakes.

The identification of specific groundwater quality threats was based on inputs from several sources including published environmental and land-use databases (maintained, for example, by the Ministry of the Environment, Technical Standards and Safety Authority and the Municipality), field reconnaissance work by North Bay - Mattawa Conservation Authority staff, airphoto interpretation and land use mapping reviews. At the initial level of evaluation (or Tier 1 component of the overall Water

Quality Risk Assessment), the threats assessment focuses on developing an inventory (in spreadsheet format) which would be used to identify specific threats for which there is little supporting information and/or which pose a high risk to the drinking water source (i.e. the well head area).

Included in the documentation of the various drinking water threats is the identification of the contaminants of concern associated with each threat type, and the nature of the contaminant source (as either a point source, a non-point source or a corridor source).

In December, 2008, the Ministry of the Environment issued a publication entitled “Tables of Drinking Water Threats, Clean Water Act, 2006" in response to input received from several technical sessions and working groups held across the Province. The publication presented (via a “look-up” table of parameters) a means of carrying forward with the information gathered during the drinking water threats inventory. By combining the identified threats with the aquifer vulnerability scores of the Groundwater Vulnerability Assessment, each threat was subsequently assigned a priority as being either a “significant risk”, “moderate risk” or “low risk”. This technique simplified the overall assessment process, replacing the methodology outlined in the Guidance Module (2006), and provided a degree of standardization across the Province for the Risk Assessment studies.

One aspect of the threats inventory process that was retained in the present study was the need to consider “constructed preferential pathways” which may occur in each vulnerable area. These pathways comprise man-made constructions or open excavations which can allow contaminants to enter the underlying aquifer more easily than if the natural environment was not short-circuited by these constructions. In the Powassan area, the typical pathways that may exist include abandoned private water well casings, abandoned geotechnical boreholes and aggregate extraction operations. These man-made constructions were considered in the present analysis, and are discussed in detail in the Groundwater Vulnerability Assessment (2009).

Finally, in recognition that the information considered in this assessment covers a range of sources (of varying levels of confidence), the study concluded with an assessment of the data and knowledge gaps, with the goal of assisting the North Bay - Mattawa Conservation Authority in subsequent data collection and continuous improvement activities.

3.0 DRINKING WATER ISSUES INVENTORY

In order to assess the potential for any drinking water issues associated with the Powassan municipal well field supply, contact was made with the Municipality (regarding historical water quality data) and the Ministry of the Environment (regarding any environmental orders or assessment reports on the water supply). Based on our

inquiries, there is currently only limited data available on the raw water quality associated with the two municipal wells in Powassan.

Through discussions with the Ministry of the Environment (S. Ilersich), it is our understanding that the only potential issue associated with the Powassan groundwater supply is the presence of elevated sodium in the water. Sodium levels for the time interval of 2003 to 2006 ranged from 27 mg/L to 31 mg/L (Ministry of the Environment, 2008/2009 Inspection Report for the Powassan Water Well Supply), and under the current Ontario Drinking Water Standards (2006) sodium levels above 20 mg/L constitute a notification level, whereby the local Medical Officer of Health must be notified so that the information may be passed onto local physicians. The focus of such a notification is to provide warning to persons on a sodium-restricted diet of the presence of sodium in the water supply. As indicated in the Ontario Drinking Water Standards, sodium is not toxic.

Contact was made with the Technical Support Section of the Ministry of the Environment (K. Hawley) in order to determine if elevated sodium levels are common in other wells in the area. The Ministry of the Environment occasionally sampled water wells across the Northeastern Region as part of the water well inspection program carried out in the 1980s, and has a limited database of water quality analyses obtained from the random sampling of private wells. As well, the Ministry of the Environment was involved in many road salt impacted well studies along the Highway 11 corridor in the North Bay area.

Based on our discussions, the levels of sodium observed at the Powassan well field have been seen at other locations in the North Bay area, and are usually attributed to naturally-occurring sodium levels in the bedrock formations of the region. Road salt impacted wells generally have a much higher concentration of sodium (and chloride) than has been reported for the Powassan well field. Therefore, the presence of the indicated sodium levels in the Powassan well supply is interpreted to be due to natural sources within the aquifer (based on the presently-available data).

In the above discussion, sodium is referred to as a potential issue because the aesthetic level for sodium in a water supply is much higher, at 200 mg/L, above which a salty taste may be detectable. Therefore, following the Guidance Module, there is no known water quality issue associated with sodium in the Powassan well field supply.

A comment was received from a member of the public concerning the historical use of rural land in the vicinity of the Powassan well head area. The comment focused on the use of adjacent lands for livestock purposes, and raised a potential concern for the presence of pathogens as contaminant sources to the municipal well supply. It is our understanding that these types of activities ceased in approximately 2000, and that in 2003 the Municipality adopted a by-law that restricts land usage within 200 m of the well

head area.

Therefore, given the passage of time and the adoption of the present land use restrictions by the Municipality, the potential presence of pathogens in the groundwater due to past agricultural land use activities in the general area was not elevated to the position of an “issue” by the present assessment.

4.0 DRINKING WATER THREATS INVENTORY

The development of an inventory of drinking water threats within the WHPAs defined in the Groundwater Vulnerability Report (2009) was approached through several techniques.

Initially, a meeting was held with the North Bay - Mattawa Conservation Authority (in February, 2007) at which time Waters Environmental Geosciences Ltd. presented a workshop on environmental site reconnaissance techniques. The goal of the workshop was to provide training to staff on the various ways in which a site’s environmental conditions could be visually assessed without entering onto a property. The main focus of the assessment was the identification of potential hydrocarbon fuel usage or storage, the potential for waste generation (or on-site temporary storage) and the potential for chemical sales (or temporary storage) within the WHPAs defined in the previous 2006 Municipal Groundwater Study. In order to structure the information (to be collected by North Bay - Mattawa Conservation Authority staff), a summary field sheet was prepared (Appendix A) to be used at each identified property location.

A component of the survey was the identification of private residential fuel oil tanks within the WHPA, which are un-recorded in the government (Technical Standards and Safety Authority) databases, yet which offer a potential threat to groundwater usage should a spill or accidental release occur. As well, general observations of the property conditions and potential for contaminant release (of any identified type) were documented, for potential cross-referencing to other published databases and records.

This work was subsequently performed by staff from the North Bay - Mattawa Conservation Authority in the spring of 2007, and the field survey sheets were compiled and collated at the Conservation Authority offices. No entry was made onto the properties, and the survey was based solely on visual evidence obtained from the vantage point of the municipal roadways. Waters Environmental Geosciences Ltd. was provided with a brief summary report of the field activities and a preliminary spreadsheet of the study findings, for inclusion into the present assessment report. In total, 313 parcels were assessed by this reconnaissance technique, with 80 confirmed storage tanks being noted and a further 46 tanks listed as “possible/uncertain”.

A second assessment technique applied to the Powassan WHPA was to engage the

services of a commercial database search consultant (Ecolog ERIS Ltd., Toronto). This work was completed in June, 2007, and focused on the WHPA outlined in the previous 2006 Municipal Groundwater Study (Waterloo Hydrologic Inc.) plus an additional 0.25 km search radius beyond the defined WHPA area.

The completed report is appended as Appendix B to this report. As indicated in the report, the database searches included several sources, and were listed as follows:

- abandoned mine information system
- certificates of approval
- ERIS historical searches
- Ontario Reg. 347 waste generators summary
- mineral occurrences
- pesticide register
- private fuel storage tanks
- retail fuel storage tanks
- Scott's manufacturing directory
- water well information system

The Ecolog database search (Appendix B) was considered to be complimentary to the reconnaissance work performed by the North Bay - Mattawa Conservation Authority. In total, 88 individual records were uncovered in the Ecolog search, and were included in the present study assessment.

As indicated, the above two assessment techniques were undertaken within the WHPAs previously identified in the 2006 Municipal Groundwater Study. In general, the area coverage was similar to the areas currently defined by the revised groundwater modelling of the present study (Groundwater Vulnerability Report, 2009). Areas of potential data gaps, where the Ecolog and Conservation Authority search areas did not overlap with the newer WHPAs (2009), were documented for future possible action.

The threats assessment involved the combination of the groundwater vulnerability mapping (contained in the Groundwater Vulnerability Analysis report, 2009) with each specified threat identified in the current assessment. This combination of information was performed on a spreadsheet format, and is presented as Appendix C.

As outlined in the Technical Rules (2008), the documentation of drinking water threats within the WHPA is restricted to those vulnerable areas that have a vulnerability score of 4 or higher (corresponding to an associated risk score of greater than 40)(Figure 1). Therefore, although drinking water threats may have been identified in all areas of the WHPA, the present reporting requirements focus on those areas (vulnerable areas) where the activities causing the threats have an associated threat classification of

"significant", "moderate" or "low".

However, for completeness, the information in Appendix C has also included a threat classification of "none" for those threats which were identified as lying within a vulnerable area having a score of 2. This was done so that, in the future, if new information becomes available to indicate that a vulnerable area score requires modification, revisions to the spreadsheet of Appendix C can be easily made.

Appendix C, therefore, presents 120 drinking water threats identified within the Powassan well field WHPAs. As required in the Guidance Modules, the threats were individually assigned a threat classification within the definitions of significant, moderate or low. Based on the present assessment, there were two (2) threats classified as "significant" within the Powassan WHPAs, identified as being the presence of an on-site septic system within the WHPA-A zone, and the potential application of pesticides along the Hwy. 11 corridor and Ontario Hydro power line corridor, included in the WHPA-B zone. The potential pesticide applications were identified as having a high level of uncertainty (as their status is presently unknown), while the presence of the on-site septic system was identified as having a low level of uncertainty. There were no other "significant" threats identified for the Powassan WHPAs.

Fuel storage at the well head location, and potentially at an adjoining property, was classified as a "moderate" threat under the current Technical Rules (2008). In the case of the fuel storage associated with the stand-by generator at the well head area, this activity was identified as having a low level of uncertainty (as it is part of the municipal well system infrastructure).

A total of 7 threats were identified as having a "moderate" classification, while 23 threats were identified as having a "low" classification. A total of 88 threats received a threat classification of "none", by the present assessment methodology.

5.0 DATA GAPS

The present analysis was based on the information available at the time of reporting. Due to on-going changes in land use in Powassan, some of the information obtained in the 2007 data collection phases may no longer be accurate, and therefore constitute a potential knowledge or data gap in the present interpretation. Since ongoing land use changes are a characteristic of most municipalities, the suggested improvement to the database will be through periodic review and updating of the drinking water threats identified in Appendix C (for example, by an annual review).

As identified previously, the present analysis of groundwater quality issues suffered from a lack of detailed raw water chemistry results for each municipal well in the Powassan well field. This information would have been of value in determining, for

example, any potential differences in water chemistry exhibited by the two well sources (for example, if major ion chemistry had been recorded for the raw water supplies), and may have illuminated the differences between the source areas supplying each well intake (as was identified in the current modelling exercise). The lack of this information did not, and does not currently, compromise the safety aspects of this water supply (which we understand is being monitored in full compliance with Ministry of the Environment requirements).

From a scientific viewpoint, additional supplemental analysis of the water chemistry would be of benefit in tracking any long-term trends in water quality, for those parameters not mandated by the Certificate of Approval for the water system. As a suggestion, it is recommended that a complete water quality scan of the raw water characteristics (major ion analysis, heavy metals analysis, nutrient indicators and general water chemistry parameters) be undertaken annually, complimenting the analysis required by the Certificate of Approval.

Uncertainty scores were assigned to the various vulnerable areas in this assessment, being flagged as either “high” or “low”. In many instances, high uncertainties were assigned because of a lack of detailed subsurface information. In the case of the municipally-serviced areas of Powassan, it is unlikely that any new deep well constructions will occur, and so the future subsurface information gathered in these areas may be limited to relatively shallow road work excavations and shallow geotechnical boreholes. In the interest of continuous improvement, as new subsurface data become available, it is recommended that they be periodically assessed against the current conceptual model of the local geological setting so that any anomalous information is corrected for future planning cycles.

Potential data gaps were identified where the Ecolog and Conservation Authority search areas did not sufficiently cover the newer WHPAs (2009). These gaps were unforseen at the time of the initial data collection, and with the presently-defined WHPAs it is recommended that the search areas be re-visited to determine if any additional threats can be identified. It should be noted that the identified area of concern lies within the boundaries of a WHPA-D zone, and it is not possible to locate a “significant” threat in a WHPA-D zone (because of the scoring conventions presented in the 2008 Tables of Drinking Water Threats). However, for completeness, it is recommended that these areas be investigated and the table of Appendix C revised (if appropriate).

6.0 SUMMARY

This report presents the results of a groundwater risk assessment analysis for the Powassan municipal well field. The assessment followed the methodology presented in the Guidance Module (2006) and Technical Rules (2008), and resulted in the identification of drinking water threats within each vulnerable area of the well head

protection area (WHPA).

At the Tier 1 level of Water Quality Risk Assessment, the present threats assessment resulted in the development of an inventory (in spreadsheet format) of specific threats which relate to identified land uses, and pose a potential drinking water threat to the WHPA. Although for the current Source Protection Committee reporting purposes, only significant threats are to be carried forward into the current action planning analyses, the present report (following the methodology of the Guidance Documents) included an assessment of all three levels of risk to the WHPA.

In performing this assessment, every effort was made to use the best available data. Areas of uncertainty have been identified, in the anticipation that later planning cycles may be able to supplement the interpretations presented in this document via the process of continuous improvement.

We thank you for the opportunity of working with the North Bay - Mattawa Conservation Authority on this project.

Yours truly,
WATERS ENVIRONMENTAL GEOSCIENCES LTD.

Peter A. Richards, M.Sc., P.Eng.
President

REFERENCES

Ministry of the Environment. 2006. Technical Support Document for Ontario Drinking Water Standards, Objectives and Guidelines

Ministry of the Environment. 2008. Tables of Drinking Water Threats, Clean Water Act, 2006, companion document to Technical Rules: Assessment Report, Clean Water Act, 2006

Ministry of the Environment. 2008. Drinking Water Inspection Program, 2008/2009 Inspection Report for the Powassan Well Supply, Inspection Number 1-6001J

Waterloo Hydrologic, Inc. 2006. NBMCA Groundwater Study Report

Waters Environmental Geosciences Ltd. 2009. Technical Assessment Report, Groundwater Vulnerability Analysis, Municipality of Powassan

Pinpointing Your Environmental Risks

DATABASE REPORT

Environmental Risk Information Service

ECOLOG ERIS

Project Site:	**Powassan Groundwater Study** **Highway 11 && Highway 534** **Powassan, ON**
Client:	**Peter Richards** **Waters Environmental GeoSciences Ltd.** **P. O. Box 69** **261 9th Ave** **Lively, ON P3Y 1M2**
ERIS Project No:	**20070523022**
Report Type:	**Custom Report - 0.25km Search Radius**
Prepared By:	**Matt Thompson** mthompson@ecologeris.com
Date:	**June 08, 2007**

12 Concorde Place, Suite 800 Toronto, Ontario M3C 4J2
Phone: (416) 510-5204 Fax: (416) 510-5133 Toll Free: 1-877-512-5204
www.ecologERIS.com **info@ecologERIS.com**

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Order Number: 20070523022
Site Name: Powassan Groundwater Study
Site Address: Highway 11 && Highway 534 Powassan, ON
Report Type: Custom Report, 0.25 km Search Radius

Report Summary

Order Number: 20070523022
Site Name: Powassan Groundwater Study
Site Address Highway 11 && Highway 534 Powassan, ON
Report Type: Custom Report, 0.25 km Search Radius

Number of Mappable Records Surrounding the Site

Database		Selected	On-site	Within 0.25	0.25km to 2.00km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0	0
AGR	Aggregate Inventory	Y	0	0	0	0
AMIS	Abandoned Mine Information System	Y	0	1	0	1
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0	0
CA	Certificates of Approval	Y	0	3	0	3
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0	0
CHEM	Chemical Register	Y	0	0	0	0
COAL	Coal Gasification Plants	Y	0	0	0	0
CONV	Compliance and Convictions	Y	0	0	0	0
DRL	Drill Hole Database	Y	0	0	0	0
EBR	Environmental Registry	Y	0	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0	0
EHS	ERIS Historical Searches	Y	0	1	0	1
EIIS	Environmental Issues Information System	Y	0	0	0	0
FCON	Federal Convictions	Y	0	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0	0
FOFT	Fisheries & Oceans Fuel Storage Tanks	Y	0	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	1	0	1
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0	0
MNR	Mineral Occurrences	Y	0	1	0	1
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0	0
NDFT	National Defence & Canadian Forces Fuel Storage Tanks	Y	0	0	0	0
NDSP	National Defence & Canadian Forces Spills	Y	0	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0	0
NPCB	National PCB Inventory	Y	0	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0	0
OGW	Oil and Gas Wells	Y	0	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0	0
ORD	Orders	Y	0	0	0	0
ORIS	Occurrence Reporting Information System	Y	0	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0	0
PES	Pesticide Register	Y	0	4	0	4
PST	Private Fuel Storage Tanks	Y	0	1	0	1
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0	0
RSC	Record of Site Condition	Y	0	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	5	0	5

Report Summary

Order Number: 20070523022
Site Name: Powassan Groundwater Study
Site Address Highway 11 && Highway 534 Powassan, ON
Report Type: Custom Report, 0.25 km Search Radius

Database		Selected	On-site	Within 0.25	0.25km to 2.00km	Total
SCT	Scott's Manufacturing Directory	Y	0	3	0	3
SRDS	Wastewater Discharger Registration Database	Y	0	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0	0
WWIS	Water Well Information System	Y	0	68	0	68
		TOTAL	0	88	0	88

The databases chosen by the client as per the submitted order form are denoted in the 'Selected' column in the above table. Counts have been provided outside the primary buffer area for cursory examination only. These records have not been examined or verified, therefore, they are subject to change.

SITE DIAGRAM

ECOLOG ERIS
Pinpointing Your Environmental Risks

12 Concorde Pl, Suite 800 North York, ON M3C 4J2
416-510-5204

Project Property: Powassan Groundwater Study
Highway 11 && Highway 534
Powassan, ON

ERIS Project #: 20070523022

Date: JUN-08-2007

LEGEND

- Project Property
- Database Location

Points of Interest
- Chimney
- Silo

Pipe & Transmission Lines
- Pipeline
- Transmission Line
- Transmission Tower
- Transformer Station

Rail
- Railway - Main
- Railway - Sidetrack
- Railway - Abandoned
- Bridge
- Tunnel

Transportation - Other
- Embankment
- Trail
- Runway

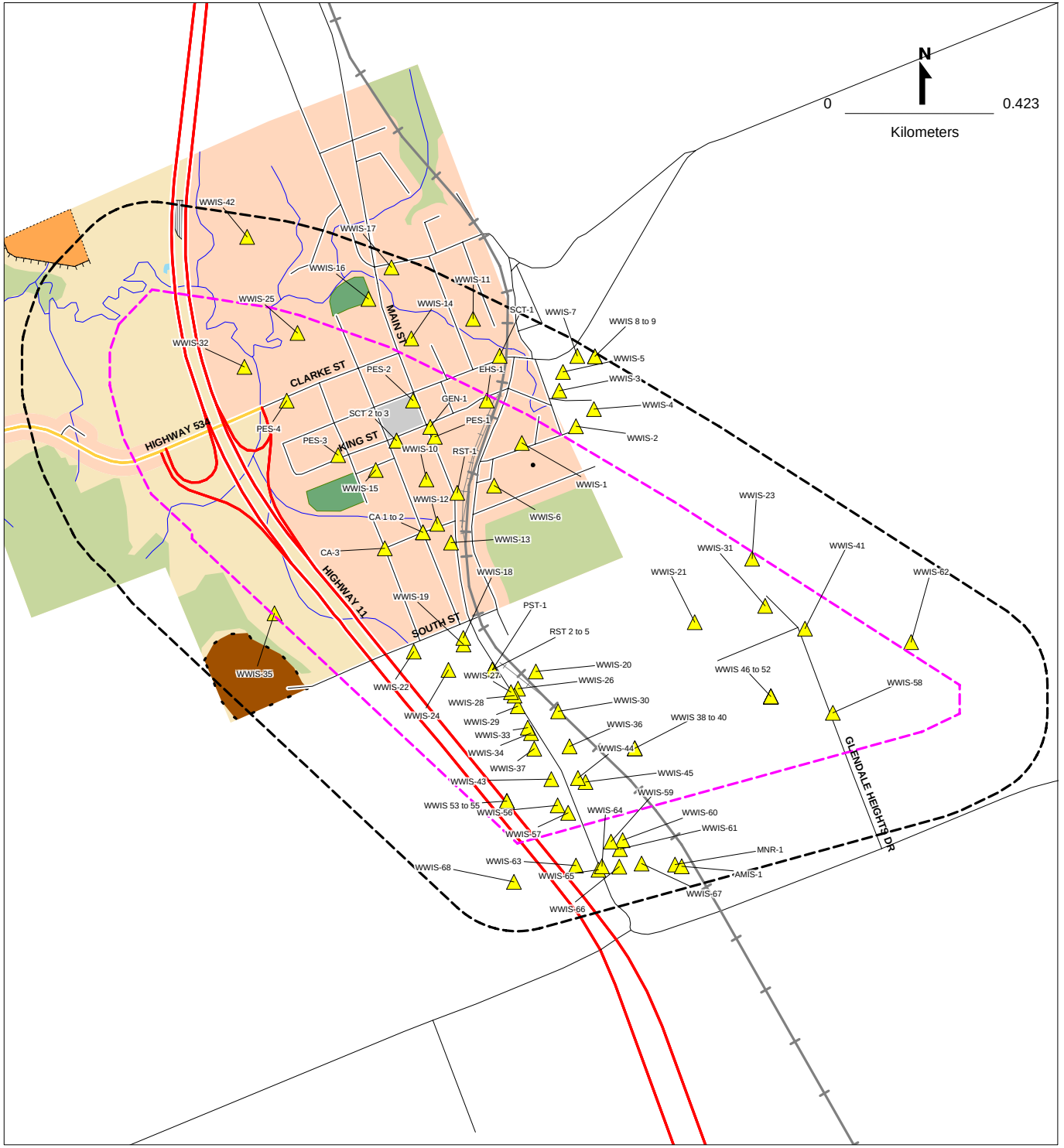
Hydrographic Features
- Permanent Waterway
- Intermittent Waterway
- Open Reservoir
- Dyke/Levee
- Dam
- Breakwall
- Wetland

Landuse Classifications
- Open Area
- Residential
- Commercial
- Resource and Industrial
- Government and Institutional
- Parks and Recreational
- Waterbody

Recreation
- Golf Course/Driving Range
- Park/Sports Field
- Other Recreation Area
- Sports/Race Track
- Cemetery
- Campground

Vegetation
- Wooded Area
- Orchard
- Vineyard

Industrial Resources
- Conveyor
- Crane: Moveable
- Crane: Stationary
- Tank
- Rock Cut
- Auto Wrecker
- Lumber Yard
- Pit



This diagram is to be used solely for relative street location purposes.
It may not accurately portray street or site positions.

Section ii

Site Report

Order Number: 20070523022
Site Name: Powassan Groundwater Study
Site Address Highway 11 && Highway 534 Powassan, ON
Report Type: Custom Report, 0.25 km Search Radius

FOR COMPLETE INFORMATION, REFER TO DETAIL REPORT

A search has been conducted for this site (address) and company name. No records were found, within the database(s) selected, that meet either of these criteria.

Detail Report

Order Number: 20070523022
Site Name: Powassan Groundwater Study
Site Address: Highway 11 && Highway 534 Powassan ON
Report Type: Custom Report, 0.25 km Search Radius

If information is required for sites located beyond the selected address, please contact your ERIS representative.

Abandoned Mine Information System

Certificates of Approval

ERIS Historical Searches

Ontario Regulation 347 Waste Generators Summary

Mineral Occurrences

Pesticide Register

Private Fuel Storage Tanks

Retail Fuel Storage Tanks

Scott's Manufacturing Directory

Water Well Information System

Abandoned Mine Information System

Map Key	Company	Address	Start Year	End Year	Effective Date	District Description	Official Name
AMIS-1		HIMSWORTH			2003-01-27.15:37:01	DORSET	GOMOLL

Lot: 15
Concession: 11
Northing: 5103079
Easting: 627493
Zone: 17
Mine Plan/Section: YES
Mine Status: ABANDONED
Closure Plan: UNK
Closure Reason: UNKNOWN
Operational Access: ALL WEATHER ROAD
Primary Commodity:
Progressive Rehabilitation Plan: UNK
Revegetation: UNK
Vegetation Description:
Vegetation Condition:
Evidence of Sulphide: UNK
Evidence of Site Contamination: UNK
Chemical Document: UNK
Evidence of Presence of Animals: UNK
Animal Description:
Background Information: ACTIVE CLAY OPEN PIT. REPORTS OF OPERATION IN 1906. PRODUCTION AND SIZE OF WORKINGS NOT PROVIDED. THE TOTAL THICKNESS OF CLAY IS 6M. IN 1906 THE CLAY PRODUCTION WAS 300,000 DRAIN TILES IN 6-MOUNTH SEASON. OCCASIONALLY BRICKS PRODUCED.; COMMODITY: CLAY;

Feature Class	Type	Hazard Status	Description
	OPEN PIT	NOT AVAILABLE	

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
CA-1	POWASSAN TOWN	EDWARD ST./CHISHOLM ST. POWASSAN TOWN	3-0890-95-	95	7/13/1995	Municipal sewage	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:					
			Contaminants:					
			Emission Control:					
CA-2	POWASSAN TOWN	EDWARD ST./CHISHOLM ST. POWASSAN TOWN	7-0645-95-	95	7/13/1995	Municipal water	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:					
			Contaminants:					
			Emission Control:					
CA-3	POWASSAN TOWN - ELM ST.	ELM ST./CHISHOLM ST. POWASSAN TOWN	7-1455-90-	90	10/1/1990	Municipal water	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:					
			Contaminants:					
			Emission Control:					

ERIS Historical Searches

Map Key	Company	Address	Order No.	Report Date	Report Type	Search Radius (km)
EHS-1		Main Street Powassan P0H 1Z0	20051130021 **Addit. Info Ordered:**	12/2/2005	Site Report	0.25

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-1	Verzijlenberg Veterinary Services	35 King Street Powassan P0H 1Z0			261	PHARMACEUTICALS
			Generator #:	ON8449003		
			Approval Yrs:	02,03,04,05		

Mineral Occurrences

Map Key	Company	Address	Easting	Northing	Zone	MDI No	Deposit Status
MNR-1			627482.00	5102855.00	17	MDI31L03SW00003	PAST PRODUCING MINE WITH RESERVES

Mining Division:
Geological District: SUDBURY
Claim Map:
Access Description: N/A

Year	Name	Twp/Area	Con/Lot/Sec	Commodity	Deposit Characteristic
1980	GOMOLL				
		HIMSWORTH	Con 11 Lot 15		
				CLAY	

Pesticide Register

Map Key	Company	Address	Licence No.	Licence Type
PES-1	POWASSAN HOME HARDWARE	508 MAIN ST POWASSAN P0H 1Z0	23-01-11016-0	Limited Vendor
PES-2	RON & JUDY ANDISON LTD	489 MAIN ST, PO BOX 83 POWASSAN P0H 1Z0	23-01-10538-0	Limited Vendor
PES-3	BRUSHEY HARDWARE	102 KING ST POWASSAN		Vendor
PES-4	POWASSAN FEED & FARM SUPPLY LTD (V23629 01/2008)	357 CLARK ST POWASSAN P0H 1Z0	22-01-12464-0	General Vendor

Private Fuel Storage Tanks

Map Key	Company	Address	Location ID	Expiry Date	Capacity (L)	Facility Description	Licence #
PST-1	WHITTAKERS GARAGE POWASSAN LTD	LOT 16 CON 11 HWY 11B POWASSAN	12084	1995-06-30	0.00	PROP CARBURATION CONV CTR	0038098001

Retail Fuel Storage Tanks

Map Key	Company	Address	Location ID	Expiry Date	Capacity (L)	Licence #	Facility:
RST-1	HILTON SERVICE CENTRE	546 MAIN POWASSAN P0H1Z0					Service Stations-Gasoline, Oil & Natural Gas
			Description:				
RST-2	WHITTAKER'S GARAGE	717 MAIN ST POWASSAN P0H1Z0					Service Stations-Gasoline, Oil & Natural Gas
			Description:				
RST-3	WHITTAKERS GARAGE POWASSAN LTD	LOT 16 CON 11 HWY 11B POWASSAN	12084	1993-10-31	2000	0076373 844	
			Description:				
RST-4	WHITTAKERS GARAGE POWASSAN LTD	LOT 16 CON 11 HWY 11B POWASSAN	12084	1995-02-28	2000	0076374784	
			Description:				
RST-5	WHITTAKERS GARAGE POWASSAN LTD	LOT 16 CON 11 HWY 11B POWASSAN	12084	1995-08-31	4500	0024727001	GASOLINE STATION - FS
			Description:				

Scott's Manufacturing Directory

Map Key	Company	Address	Established	Plant Size (ft²)	Employment	SIC/NAICS Code	Description
SCT-1	Crozier Welding	48 Memorial Park Dr E Powassan P0H 1Z0	1986		1	332319	Other Plate Work and Fabricated Structural Product Manufacturing
SCT-2	B. Giesler & Sons Ltd.	71 King St W Powassan P0H 1Z0	1925	5000	8	336612	Boat Building
SCT-3	B. GIESLER & SONS LIMITED	71 KING ST W POWASSAN P0H 1Z0	1925	5000	8	3732	BOAT BUILDING AND REPAIRING

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-1		POWASSAN TOWN	4802271				PARRY SOUND	POWASSAN TOWN

Easting Nad83: 627011.6
Northing Nad83: 5104274
Zone: 17
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 9/5/1975
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 70
Pump Rate (gpm): 6
Static Water Level (ft): 14
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 12
Final Well Status: WATER SUPPLY
Construction Method: DIAMOND
Flowing (y/n): 0
Elevation (ft): 890
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft): 24
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-2		POWASSAN TOWN	4803250				PARRY SOUND	POWASSAN TOWN

Easting Nad83: 627165.6
Northing Nad83: 5104325
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 10/15/1980
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft): 50
Pump Rate (gpm): 2
Static Water Level (ft): 4
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity: 0
Final Well Status: TEST HOLE
Construction Method: ROTARY (REVERSE)
Flowing (y/n): 0
Elevation (ft): 900
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft): 40
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-3		POWASSAN TOWN	4803194				PARRY SOUND	POWASSAN TOWN

Easting Nad83: 627115.6
Northing Nad83: 5104425
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 11/28/1980
Primary Water Use:
Secondary Water Use:
Well Depth (ft): 60
Pump Rate (gpm):
Static Water Level (ft): 2
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity: 0
Final Well Status: TEST HOLE
Construction Method: ROTARY (CONVENT.)
Flowing (y/n): 0
Elevation (ft): 850
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft): 57
Overburden/Bedrock: Mixed in a Layer
Water Type: FRESH
Casing Material:

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-4		POWASSAN TOWN	4803251				PARRY SOUND	POWASSAN TOWN

Easting Nad83: 627215.6
Northing Nad83: 5104375
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 10/16/1980
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft): 50
Pump Rate (gpm): 3
Static Water Level (ft): 2
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity: 0
Final Well Status: RECHARGE WELL
Construction Method: ROTARY (CONVENT.)
Flowing (y/n): 0
Elevation (ft): 900
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft): 49
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-5		SOUTH HIMSWORTH TOWNSHIP	4800825	015	12	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627125.6
Northing Nad83: 5104479
Zone: 17
Utm Reliability: unknown utm
Construction Date: 11/24/1966
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 158
Pump Rate (gpm): 2
Static Water Level (ft): 26
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity: 4
Final Well Status: WATER SUPPLY
Construction Method: DIAMOND
Flowing (y/n): 0
Elevation (ft): 870
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 114
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

WWIS-6		POWASSAN TOWN	4802272				PARRY SOUND	POWASSAN TOWN

Easting Nad83: 626935.6
Northing Nad83: 5104152
Zone: 17
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 9/2/1975
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 105
Pump Rate (gpm): 3
Static Water Level (ft): 17
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0.6
Final Well Status: WATER SUPPLY
Construction Method: DIAMOND
Flowing (y/n): 0
Elevation (ft): 880
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft): 6
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-7		POWASSAN TOWN	4803249				PARRY SOUND	POWASSAN TOWN

Easting Nad83: 627165.6
Northing Nad83: 5104525
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 11/3/1980
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft): 50
Pump Rate (gpm): 15
Static Water Level (ft): 2
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity: 2.1
Final Well Status: TEST HOLE
Construction Method: ROTARY (CONVENT.)
Flowing (y/n): 0
Elevation (ft): 900
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft): 48
Overburden/Bedrock: Bedrock
Water Type:
Casing Material: STEEL

WWIS-8		POWASSAN TOWN	4803252				PARRY SOUND	POWASSAN TOWN

Easting Nad83: 627215.6
Northing Nad83: 5104525
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 10/17/1980
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft): 27
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity: 0
Final Well Status: ABANDONED-SUPPLY
Construction Method: ROTARY (CONVENT.)
Flowing (y/n): 0
Elevation (ft): 900
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type:
Casing Material:

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-9		POWASSAN TOWN	4803253				PARRY SOUND	POWASSAN TOWN

Easting Nad83: 627215.6
Northing Nad83: 5104525
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 10/20/1980
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft): 50
Pump Rate (gpm):
Static Water Level (ft): 2
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity: 0
Final Well Status: TEST HOLE
Construction Method: ROTARY (CONVENT.)
Flowing (y/n): 0
Elevation (ft): 900
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft): 50
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-10		SOUTH HIMSWORTH TOWNSHIP	4800841	016	12	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 626741.6
Northing Nad83: 5104165
Zone: 17
Utm Reliability: unknown utm
Construction Date: 4/30/1954
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 57
Pump Rate (gpm): 4
Static Water Level (ft): 30
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0.1
Final Well Status: WATER SUPPLY
Construction Method: CABLE TOOL
Flowing (y/n): 0
Elevation (ft): 871
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: STEEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-11		POWASSAN TOWN	4803195				PARRY SOUND	POWASSAN TOWN

Easting Nad83: 626865.6
Northing Nad83: 5104625
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 12/3/1980
Primary Water Use:
Secondary Water Use:
Well Depth (ft): 34
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity: 0
Final Well Status: TEST HOLE
Construction Method: ROTARY (CONVENT.)
Flowing (y/n): 0
Elevation (ft): 850
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft): 32
Overburden/Bedrock: Mixed in a Layer
Water Type: FRESH
Casing Material:

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-12		SOUTH HIMSWORTH TOWNSHIP	4800840	016	12	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 626775.6
Northing Nad83: 5104040
Zone: 17
Utm Reliability: unknown utm
Construction Date: 10/10/1952
Primary Water Use: COMMERICAL
Secondary Water Use: DOMESTIC
Well Depth (ft): 48
Pump Rate (gpm): 5
Static Water Level (ft): 20
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0.7
Final Well Status: WATER SUPPLY
Construction Method: CABLE TOOL
Flowing (y/n): 0
Elevation (ft): 875
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: STEEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-13		SOUTH HIMSWORTH TOWNSHIP	4800839	016	12	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 626815.6
Northing Nad83: 5103987
Zone: 17
Utm Reliability: unknown utm
Construction Date: 10/3/1952
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 61
Pump Rate (gpm): 6
Static Water Level (ft): 18
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 12
Final Well Status: WATER SUPPLY
Construction Method: CABLE TOOL
Flowing (y/n): 0
Elevation (ft): 875
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: STEEL

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-14		SOUTH HIMSWORTH TOWNSHIP	4800835	015	12	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 626690.6
Northing Nad83: 5104566
Zone: 17
Utm Reliability: unknown utm
Construction Date: 7/31/1952
Primary Water Use: COMMERICAL
Secondary Water Use:
Well Depth (ft): 43
Pump Rate (gpm):
Static Water Level (ft): 16
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0
Final Well Status: WATER SUPPLY
Construction Method: CABLE TOOL
Flowing (y/n): 0
Elevation (ft): 845
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: STEEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-15		SOUTH HIMSWORTH TOWNSHIP	4806790	016	12	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 626596.6
Northing Nad83: 5104189
Zone: 17
Utm Reliability: unknown utm
Construction Date: 6/11/1993
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 310
Pump Rate (gpm): 5
Static Water Level (ft): 25
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (AIR)
Flowing (y/n): 0
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 13
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-16		SOUTH HIMSWORTH TOWNSHIP	4800838	016	12	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 626565.6
Northing Nad83: 5104675
Zone: 17
Utm Reliability: unknown utm
Construction Date: 9/4/1952
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 48
Pump Rate (gpm): 1
Static Water Level (ft): 15
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0.1
Final Well Status: WATER SUPPLY
Construction Method: CABLE TOOL
Flowing (y/n): 0
Elevation (ft): 810
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: STEEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-17		POWASSAN TOWN	4800750				PARRY SOUND	POWASSAN TOWN

Easting Nad83: 626629.6
Northing Nad83: 5104767
Zone: 17
Utm Reliability: unknown utm
Construction Date: 1/30/1953
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 52
Pump Rate (gpm): 10
Static Water Level (ft): 15
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 3.3
Final Well Status: WATER SUPPLY
Construction Method: CABLE TOOL
Flowing (y/n): 0
Elevation (ft): 800
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 20
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-18		POWASSAN TOWN	4802199				PARRY SOUND	POWASSAN TOWN

Easting Nad83: 626856.6
Northing Nad83: 5103717
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 7/8/1976
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 58
Pump Rate (gpm): 3
Static Water Level (ft): 25
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0.2
Final Well Status: WATER SUPPLY
Construction Method: DIAMOND
Flowing (y/n): 0
Elevation (ft): 880
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft): 57
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-19		SOUTH HIMSWORTH TOWNSHIP	4800821	016	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 626857.6
Northing Nad83: 5103698
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 5/15/1964
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 70
Pump Rate (gpm): 5
Static Water Level (ft): 35
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0
Final Well Status: WATER SUPPLY
Construction Method: DIAMOND
Flowing (y/n): 0
Elevation (ft): 875
Elevation Reliability: Read from topographic map, contour interval - 25 ft
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material:

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-20		SOUTH HIMSWORTH TOWNSHIP	4802449	015	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627065.6
Northing Nad83: 5103625
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 6/30/1977
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 258
Pump Rate (gpm): 2
Static Water Level (ft): 38
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (AIR)
Flowing (y/n): 0
Elevation (ft): 890
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft): 72
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-21		SOUTH HIMSWORTH TOWNSHIP	4803054	014	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627515.6
Northing Nad83: 5103775
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 11/18/1979
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 320
Pump Rate (gpm): 2
Static Water Level (ft): 18
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0.1
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (AIR)
Flowing (y/n): 0
Elevation (ft): 1000
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft): 34
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

WWIS-22		POWASSAN TOWN	4803246				PARRY SOUND	POWASSAN TOWN

Easting Nad83: 626715.6
Northing Nad83: 5103675
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 7/29/1980
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 165
Pump Rate (gpm): 8
Static Water Level (ft): 30
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity: 0.1
Final Well Status: WATER SUPPLY
Construction Method: AIR PRECUSSION
Flowing (y/n): 0
Elevation (ft): 850
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft): 84
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-23		SOUTH HIMSWORTH TOWNSHIP	4809932	039	11		PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627676
Northing Nad83: 5103959
Zone: 17
Utm Reliability:
Construction Date: 3/15/2005
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 500
Pump Rate (gpm): 3
Static Water Level (ft): 1
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (AIR)
Flowing (y/n): 0
Elevation (ft):
Elevation Reliability:
Depth to Bedrock (ft): 21
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-24		POWASSAN TOWN	4801860				PARRY SOUND	POWASSAN TOWN

Easting Nad83: 626815.6
Northing Nad83: 5103625
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 8/29/1974
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 325
Pump Rate (gpm): 2
Static Water Level (ft): 17
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0.2
Final Well Status: WATER SUPPLY
Construction Method: DIAMOND
Flowing (y/n): 0
Elevation (ft): 860
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft): 12
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: GALVANIZED

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-25		POWASSAN TOWN	4803248				PARRY SOUND	POWASSAN TOWN

Easting Nad83: 626365.6
Northing Nad83: 5104575
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 10/24/1980
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft): 79
Pump Rate (gpm):
Static Water Level (ft): 1
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity: 0
Final Well Status: ABANDONED-SUPPLY
Construction Method: ROTARY (CONVENT.)
Flowing (y/n): 0
Elevation (ft): 800
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft): 69
Overburden/Bedrock: Bedrock
Water Type:
Casing Material: STEEL

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-26		SOUTH HIMSWORTH TOWNSHIP	4800820	016	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627015.6
Northing Nad83: 5103575
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 11/27/1962
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 180
Pump Rate (gpm): 1
Static Water Level (ft): 24
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity: 0
Final Well Status: WATER SUPPLY
Construction Method: DIAMOND
Flowing (y/n): 0
Elevation (ft): 876
Elevation Reliability: Read from topographic map, contour interval - 25 ft
Depth to Bedrock (ft): 28
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-27		SOUTH HIMSWORTH TOWNSHIP	4800819	016	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 626995.6
Northing Nad83: 5103565
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 1/14/1960
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 110
Pump Rate (gpm): 3
Static Water Level (ft): 12
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0.3
Final Well Status: WATER SUPPLY
Construction Method: DIAMOND
Flowing (y/n): 0
Elevation (ft): 875
Elevation Reliability: Read from topographic map, contour interval - 25 ft
Depth to Bedrock (ft): 75
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-28		SOUTH HIMSWORTH TOWNSHIP	4800978	016	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627005.6
Northing Nad83: 5103555
Zone: 17
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 11/12/1968
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 58
Pump Rate (gpm): 2
Static Water Level (ft): 21
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0.1
Final Well Status: WATER SUPPLY
Construction Method: DIAMOND
Flowing (y/n): 0
Elevation (ft): 880
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: STEEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-29		SOUTH HIMSWORTH TOWNSHIP	4802509	016	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627015.6
Northing Nad83: 5103525
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 10/21/1977
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 57
Pump Rate (gpm): 3
Static Water Level (ft): 36
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0.3
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (AIR)
Flowing (y/n): 0
Elevation (ft): 880
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: STEEL

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-30		SOUTH HIMSWORTH TOWNSHIP	4800815	015	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627131.6
Northing Nad83: 5103513
Zone: 17
Utm Reliability: unknown utm
Construction Date: 12/8/1954
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 42
Pump Rate (gpm): 8
Static Water Level (ft): 20
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 16
Final Well Status: WATER SUPPLY
Construction Method: CABLE TOOL
Flowing (y/n): 0
Elevation (ft): 875
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 37
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-31		SOUTH HIMSWORTH TOWNSHIP	4803269	014	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627715.6
Northing Nad83: 5103825
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 5/6/1981
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 259
Pump Rate (gpm): 5
Static Water Level (ft): 3
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (AIR)
Flowing (y/n): 0
Elevation (ft): 1000
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft): 44
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

WWIS-32		POWASSAN TOWN	4803247				PARRY SOUND	POWASSAN TOWN

Easting Nad83: 626215.6
Northing Nad83: 5104475
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 10/21/1980
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft): 93
Pump Rate (gpm):
Static Water Level (ft): 6
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity: 0
Final Well Status: TEST HOLE
Construction Method: ROTARY (CONVENT.)
Flowing (y/n): 0
Elevation (ft): 800
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft): 83
Overburden/Bedrock: Bedrock
Water Type:
Casing Material: STEEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-33		SOUTH HIMSWORTH TOWNSHIP	4801171	016	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627045.6
Northing Nad83: 5103465
Zone: 17
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 5/26/1970
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 138
Pump Rate (gpm): 1
Static Water Level (ft): 23
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 2
Final Well Status: WATER SUPPLY
Construction Method: DIAMOND
Flowing (y/n): 0
Elevation (ft): 880
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft): 30
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-34		SOUTH HIMSWORTH TOWNSHIP	4801366	016	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627055.6
Northing Nad83: 5103450
Zone: 17
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 11/11/1971
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 157
Pump Rate (gpm): 1
Static Water Level (ft): 34
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0
Final Well Status: WATER SUPPLY
Construction Method: AIR PRECUSSION
Flowing (y/n): 0
Elevation (ft): 880
Elevation Reliability: Read from topographic map, contour interval - 25 ft
Depth to Bedrock (ft): 30
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-35		SOUTH HIMSWORTH TOWNSHIP	4802715	017	12	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 626315.6
Northing Nad83: 5103775
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 6/29/1978
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 81
Pump Rate (gpm): 10
Static Water Level (ft): 31
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 20
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (AIR)
Flowing (y/n): 0
Elevation (ft): 845
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: STEEL

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-36		SOUTH HIMSWORTH TOWNSHIP	4800812	015	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627165.6
Northing Nad83: 5103414
Zone: 17
Utm Reliability: unknown utm
Construction Date: 7/24/1952
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 50
Pump Rate (gpm): 4
Static Water Level (ft): 26
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0
Final Well Status: WATER SUPPLY
Construction Method: CABLE TOOL
Flowing (y/n): 0
Elevation (ft): 875
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 36
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-37		SOUTH HIMSWORTH TOWNSHIP	4801172	016	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627065.6
Northing Nad83: 5103405
Zone: 17
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 6/22/1970
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 245
Pump Rate (gpm): 1
Static Water Level (ft): 23
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0
Final Well Status: WATER SUPPLY
Construction Method: DIAMOND
Flowing (y/n): 0
Elevation (ft): 880
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft): 52
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: GALVANIZED

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-38		SOUTH HIMSWORTH TOWNSHIP	4804553	015	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627352.6
Northing Nad83: 5103412
Zone: 17
Utm Reliability: unknown utm
Construction Date: 6/15/1987
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 63
Pump Rate (gpm): 10
Static Water Level (ft): 12
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (AIR)
Flowing (y/n): 0
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: STEEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-39		SOUTH HIMSWORTH TOWNSHIP	4805024	015	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627352.6
Northing Nad83: 5103412
Zone: 17
Utm Reliability: unknown utm
Construction Date: 6/15/1988
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft): 280
Pump Rate (gpm): 3
Static Water Level (ft): 14
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (CONVENT.)
Flowing (y/n): 0
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 12
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-40		SOUTH HIMSWORTH TOWNSHIP	4804828	015	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627352.6
Northing Nad83: 5103412
Zone: 17
Utm Reliability: unknown utm
Construction Date: 12/10/1987
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 66
Pump Rate (gpm): 30
Static Water Level (ft): 35
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (AIR)
Flowing (y/n): 0
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 52
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-41		SOUTH HIMSWORTH TOWNSHIP	4809840	014	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627831
Northing Nad83: 5103763
Zone: 17
Utm Reliability: margin of error : 10 - 30 m
Construction Date: 11/1/2004
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 200
Pump Rate (gpm): 5
Static Water Level (ft): 40
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (AIR)
Flowing (y/n): 0
Elevation (ft):
Elevation Reliability:
Depth to Bedrock (ft): 41
Overburden/Bedrock: Bedrock
Water Type:
Casing Material: STEEL

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-42		SOUTH HIMSWORTH TOWNSHIP	4800827	014	12	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 626215.6
Northing Nad83: 5104845
Zone: 17
Utm Reliability: unknown utm
Construction Date: 8/18/1955
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 21
Pump Rate (gpm): 2
Static Water Level (ft): 7
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0.4
Final Well Status: WATER SUPPLY
Construction Method: CABLE TOOL
Flowing (y/n): 0
Elevation (ft): 925
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: STEEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-43		SOUTH HIMSWORTH TOWNSHIP	4800822	016	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627115.6
Northing Nad83: 5103320
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 4/20/1966
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 138
Pump Rate (gpm): 1
Static Water Level (ft): 34
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0
Final Well Status: WATER SUPPLY
Construction Method: DIAMOND
Flowing (y/n): 0
Elevation (ft): 897
Elevation Reliability: Read from topographic map, contour interval - 25 ft
Depth to Bedrock (ft): 12
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-44		SOUTH HIMSWORTH TOWNSHIP	4800813	015	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627191.6
Northing Nad83: 5103325
Zone: 17
Utm Reliability: unknown utm
Construction Date: 7/29/1952
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 50
Pump Rate (gpm): 8
Static Water Level (ft): 24
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 16
Final Well Status: WATER SUPPLY
Construction Method: CABLE TOOL
Flowing (y/n): 0
Elevation (ft): 878
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 45
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-45		SOUTH HIMSWORTH TOWNSHIP	4800814	015	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627213.6
Northing Nad83: 5103314
Zone: 17
Utm Reliability: unknown utm
Construction Date: 9/12/1952
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 54
Pump Rate (gpm): 7
Static Water Level (ft): 15
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0.5
Final Well Status: WATER SUPPLY
Construction Method: CABLE TOOL
Flowing (y/n): 0
Elevation (ft): 880
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 50
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-46		SOUTH HIMSWORTH TOWNSHIP	4805310	014	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627737.6
Northing Nad83: 5103568
Zone: 17
Utm Reliability: unknown utm
Construction Date: 9/26/1988
Primary Water Use:
Secondary Water Use:
Well Depth (ft): 449
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: ABANDONED-SUPPLY
Construction Method: NOT KNOWN
Flowing (y/n): 0
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 24
Overburden/Bedrock: Bedrock
Water Type:
Casing Material: OPEN HOLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-47		SOUTH HIMSWORTH TOWNSHIP	4805458	014	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627737.6
Northing Nad83: 5103568
Zone: 17
Utm Reliability: unknown utm
Construction Date: 6/12/1989
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 265
Pump Rate (gpm): 2
Static Water Level (ft): 8
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (AIR)
Flowing (y/n): 0
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 16
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-48		SOUTH HIMSWORTH TOWNSHIP	4805839	014	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627737.6
Northing Nad83: 5103568
Zone: 17
Utm Reliability: unknown utm
Construction Date: 6/15/1989
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 248
Pump Rate (gpm): 80
Static Water Level (ft): 3
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (AIR)
Flowing (y/n): 0
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 27
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-49		SOUTH HIMSWORTH TOWNSHIP	4806662	014	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627737.6
Northing Nad83: 5103568
Zone: 17
Utm Reliability: unknown utm
Construction Date: 11/3/1992
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 205
Pump Rate (gpm): 5
Static Water Level (ft): 10
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (CONVENT.)
Flowing (y/n): 0
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 28
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-50		SOUTH HIMSWORTH TOWNSHIP	4805819	014	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627737.6
Northing Nad83: 5103568
Zone: 17
Utm Reliability: unknown utm
Construction Date: 5/2/1990
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 465
Pump Rate (gpm): 2
Static Water Level (ft): 30
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (CONVENT.)
Flowing (y/n): 0
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 17
Overburden/Bedrock: Bedrock
Water Type: UNKNOWN
Casing Material: STEEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-51		SOUTH HIMSWORTH TOWNSHIP	4805314	014	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627737.6
Northing Nad83: 5103568
Zone: 17
Utm Reliability: unknown utm
Construction Date: 9/21/1988
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 349
Pump Rate (gpm): 2
Static Water Level (ft): 30
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (AIR)
Flowing (y/n): 0
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 42
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-52		SOUTH HIMSWORTH TOWNSHIP	4805313	014	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627737.6
Northing Nad83: 5103568
Zone: 17
Utm Reliability: unknown utm
Construction Date: 9/29/1988
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 535
Pump Rate (gpm): 2
Static Water Level (ft): 10
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (AIR)
Flowing (y/n): 0
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 25
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-53		SOUTH HIMSWORTH TOWNSHIP	4804604	016	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 626990.6
Northing Nad83: 5103255
Zone: 17
Utm Reliability: unknown utm
Construction Date: 10/27/1986
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 170
Pump Rate (gpm): 2
Static Water Level (ft): 35
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (AIR)
Flowing (y/n): 0
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 58
Overburden/Bedrock: Bedrock
Water Type: UNKNOWN
Casing Material: OPEN HOLE

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-54		SOUTH HIMSWORTH TOWNSHIP	4806910	016	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 626990.6
Northing Nad83: 5103255
Zone: 17
Utm Reliability: unknown utm
Construction Date: 10/30/1993
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 290
Pump Rate (gpm): 3
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (AIR)
Flowing (y/n): 0
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 15
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-55		SOUTH HIMSWORTH TOWNSHIP	4806276	016	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 626990.6
Northing Nad83: 5103255
Zone: 17
Utm Reliability: unknown utm
Construction Date: 8/7/1991
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 385
Pump Rate (gpm): 2
Static Water Level (ft): 14
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (CONVENT.)
Flowing (y/n): 0
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 38
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-56		SOUTH HIMSWORTH TOWNSHIP	4801143	016	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627135.6
Northing Nad83: 5103245
Zone: 17
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 4/14/1970
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 122
Pump Rate (gpm): 2
Static Water Level (ft): 57
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0.3
Final Well Status: WATER SUPPLY
Construction Method: DIAMOND
Flowing (y/n): 0
Elevation (ft): 900
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft): 44
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-57		SOUTH HIMSWORTH TOWNSHIP	4803055	016	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627165.6
Northing Nad83: 5103225
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 11/26/1979
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 402
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity: 0
Final Well Status: UNFINISHED
Construction Method: ROTARY (AIR)
Flowing (y/n): 0
Elevation (ft): 850
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft): 42
Overburden/Bedrock: Bedrock
Water Type:
Casing Material:

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-58		SOUTH HIMSWORTH TOWNSHIP	4803950	013	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627915.6
Northing Nad83: 5103525
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 8/18/1984
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 545
Pump Rate (gpm): 4
Static Water Level (ft): 32
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (AIR)
Flowing (y/n): 0
Elevation (ft): 900
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft): 27
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-59		SOUTH HIMSWORTH TOWNSHIP	4800816	015	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627289.6
Northing Nad83: 5103145
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 9/25/1964
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 115
Pump Rate (gpm): 2
Static Water Level (ft): 36
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 4
Final Well Status: WATER SUPPLY
Construction Method: DIAMOND
Flowing (y/n): 0
Elevation (ft): 885
Elevation Reliability: Read from topographic map, contour interval - 25 ft
Depth to Bedrock (ft): 52
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-60		SOUTH HIMSWORTH TOWNSHIP	4800818	015	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627322.6
Northing Nad83: 5103150
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 10/20/1966
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 110
Pump Rate (gpm): 2
Static Water Level (ft): 22
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0.1
Final Well Status: WATER SUPPLY
Construction Method: DIAMOND
Flowing (y/n): 0
Elevation (ft): 880
Elevation Reliability: Read from topographic map, contour interval - 25 ft
Depth to Bedrock (ft): 49
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-61		SOUTH HIMSWORTH TOWNSHIP	4802336	015	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627315.6
Northing Nad83: 5103125
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 6/25/1976
Primary Water Use:
Secondary Water Use:
Well Depth (ft): 307
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity: 0
Final Well Status: ABANDONED-SUPPLY
Construction Method: DIAMOND
Flowing (y/n): 0
Elevation (ft): 890
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft): 58
Overburden/Bedrock: Bedrock
Water Type:
Casing Material: GALVANIZED

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-62		SOUTH HIMSWORTH TOWNSHIP	4808347	013	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 628134.6
Northing Nad83: 5103731
Zone: 17
Utm Reliability: unknown utm
Construction Date: 9/22/1999
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 285
Pump Rate (gpm): 20
Static Water Level (ft): 19
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (AIR)
Flowing (y/n): 0
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 20
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-63		SOUTH HIMSWORTH TOWNSHIP	4800823	016	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627191.6
Northing Nad83: 5103075
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 5/17/1966
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 291
Pump Rate (gpm): 1
Static Water Level (ft): 62
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0
Final Well Status: WATER SUPPLY
Construction Method: DIAMOND
Flowing (y/n): 0
Elevation (ft): 900
Elevation Reliability: Read from topographic map, contour interval - 25 ft
Depth to Bedrock (ft): 60
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-64		SOUTH HIMSWORTH TOWNSHIP	4802785	016	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627265.6
Northing Nad83: 5103075
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 11/2/1978
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 94
Pump Rate (gpm): 15
Static Water Level (ft): 25
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 30
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (AIR)
Flowing (y/n): 0
Elevation (ft): 890
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft): 62
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-65		SOUTH HIMSWORTH TOWNSHIP	4800817	016	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627255.6
Northing Nad83: 5103065
Zone: 17
Utm Reliability: unknown utm
Construction Date: 4/21/1965
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 131
Pump Rate (gpm): 1
Static Water Level (ft): 40
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 2
Final Well Status: WATER SUPPLY
Construction Method: DIAMOND
Flowing (y/n): 0
Elevation (ft): 890
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 58
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-66		SOUTH HIMSWORTH TOWNSHIP	4803780	015	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627315.6
Northing Nad83: 5103075
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 4/19/1983
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 66
Pump Rate (gpm): 100
Static Water Level (ft): 35
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity: 0
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (AIR)
Flowing (y/n): 0
Elevation (ft): 900
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft): 53
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-67		SOUTH HIMSWORTH TOWNSHIP	4802126	015	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627378.6
Northing Nad83: 5103085
Zone: 17
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 10/15/1975
Primary Water Use: COMMERICAL
Secondary Water Use:
Well Depth (ft): 75
Pump Rate (gpm): 15
Static Water Level (ft): 30
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 3
Final Well Status: WATER SUPPLY
Construction Method: AIR PRECUSSION
Flowing (y/n): 0
Elevation (ft): 890
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft): 55
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-68		SOUTH HIMSWORTH TOWNSHIP	4802215	016	11	CON	PARRY SOUND	SOUTH HIMSWORTH TOWNSHIP

Easting Nad83: 627015.6
Northing Nad83: 5103025
Zone: 17
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 6/26/1976
Primary Water Use: STOCK
Secondary Water Use: DOMESTIC
Well Depth (ft): 365
Pump Rate (gpm): 9
Static Water Level (ft): 82
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 1.1
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (AIR)
Flowing (y/n): 0
Elevation (ft): 900
Elevation Reliability: Read from topographic map, contour interval - 50 ft
Depth to Bedrock (ft): 84
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Appendix: Ontario Database Descriptions

EcoLog Environmental Risk Information Services Ltd 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 EcoLog ERIS at the time of update. **Note:** Databases denoted with "*" indicates that the database will no longer be updated. See the individual database descriptions for more information.

Federal Government Source Databases: **Diagram Identifier:**

Environmental Effects Monitoring 1992-2004 **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.

Environmental Issues Inventory System 1992-2001 **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.

Federal Convictions 1988-Jan 2002 **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.

Contaminated Sites on Federal Land June 2000-2005 **FCS**

The Treasury Board of Canada Secretariat maintains an inventory of all known contaminated sites held by various Federal departments and agencies. This inventory does not include properties owned by Crown corporations, but does contain non-federal sites for which the Government of Canada has accepted some or all financial responsibility. All sites have been classified through a system developed by the Canadian Council of Ministers of the Environment. The database provides information on company name, location, site ID #, property use, classification, current status, contaminant type and plan of action for site remediation.

Fisheries & Oceans Fuel Tanks 1964-Sept 2003 **FOFT**

Fisheries & Oceans Canada maintains an inventory of all 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.

Indian & Northern Affairs Fuel Tanks 1950-Aug 2003 **IAFT**

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of all 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.

National Analysis of Trends in Emergencies System (NATES) 1974-1994* **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.

National Defence & Canadian Forces Fuel Tanks Up to May 2001 **NDFT**

The Department of National Defence 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. Please note that due to the September 2001 terrorist attack, new National Security protocols have prohibited any release of updates to this database.

National Defence & Canadian Forces Spills March 1999-Feb 2005 **NDSP**

The Department of National Defence 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.

National Defence & Canadian Forces Waste Disposal Sites 2001, 2003 **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.

National Environmental Emergencies System (NEES) 1974-2003 **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 all 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.

National PCB Inventory 1988-June 2004 **NPCB**

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. All federal out-of-service PCB containing equipment and all 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.

National Pollutant Release Inventory 1993-2005 **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 of 178 specified substances.

Parks Canada Fuel Storage Tanks **1920-Jan 2005** **PCFT**

Canadian Heritage maintains an inventory of all 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.

Transport Canada Fuel Storage Tanks **1970- May 2003** **TCFT**

Within the provinces of BC, MB, NB, NF, ON, PE, and QC; Transport Canada currently owns and operates 90 fuel storage tanks. Our inventory provides information on the site name, location, tank age, capacity and fuel type.

Provincial Government Source Databases:

Abandoned Aggregate Inventory **Up to Sept 2002** **AAGR**

The MAAP Program maintains a database of all 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.

Aggregate Inventory **Up to May 2005** **AGR**

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. Please note that the database is only referenced by lot\concession and city/town location. The databases provides information regarding the registered owner/operator, location, status, licence type, and maximum tonnage.

Abandoned Mines Information System **1800- 2005** **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.

Certificates of Approval **1985-Sept 2002** **CA**

This database contains the following types of approvals: Certificates of Approval (Air) issued under Section 9 of the Ontario EPA; Certificates of Approval (Industrial Wastewater) issued under Section 53 of the Ontario Water Resources Act (“OWRA”); and Certificates of Approval (Municipal/Provincial Sewage and Waterworks) issued under Sections 52 and 53 of the OWRA.

Coal Gasification Plants **1987, 1988*** **COAL**

This inventory of all known and historical coal gasification plants was collected by the Ministry of Environment. 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, landuse, soil condition, site operators/occupants, site description, and potential environmental impacts. This information is effective to 1988, but the program has since been discontinued.

Compliance and Convictions **1989-2003** **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.

Drill Holes **1886-2005** **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".

Environmental Registry **1994-July 2003*** **EBR**

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, licence, or certificate of approval to release substances into the air or water; these are notified on the registry.

Ontario Regulation 347 Waste Generators Summary **1986-2005** **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. 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.

Mineral Occurrences **1846-Oct 2004** **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 planimetric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Non-Compliance Reports **1992(water only), 1994-2005** **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.

Ontario Oil and Gas Wells **1800-Oct 2006** **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. Information available for all wells in the ERIS database include well owner/operator, location, permit start date, well cap date, licence number, status, depth and the primary target (rock unit) of the well being drilled.

Ontario Inventory of PCB Storage Sites **1987-Oct 2004** **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.

Ministry Orders **1995-1996** **ORD**

Control Orders/Documents are enforcement actions issued by the Ministry of the Environment to deal with environmental violations. They clarify and allocate individual/joint liability when issuing clean-up orders for contaminated sites.

Occurrence Reporting Information System **1988-2002** **ORIS**

This database identifies sources, effects/actions and approximate locations of spills and occurrences within Ontario. The locations identified on the locator diagram refer to the facility responsible for the spill. The actual location of the spill can be derived from the descriptions provided in the detailed report.

Pesticide Register **1988-Oct 2006** **PES**

The Ontario Ministry of Environment maintains a database of all manufacturers and vendors of registered pesticides.

Private Fuel Storage Tanks **1989-1996*** **PST**

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.

Ontario Regulation 347 Waste Receivers Summary **1986-2005** **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. This information is a summary of all years from 1986 including the most currently available data.

Record of Site Condition **1997-Sept 2001** **RSC**

The Record of Site Condition (RSC) provides a summary of the final environmental condition of a site, once an environmental site assessment and/or restoration approach has been undertaken. The database provides information on the site restoration approach used (Background, Generic, Site Specific Risk Assessment), location of contaminated site, whether contamination extends past 1.5m from the surface thereby requiring "stratified restoration", soil type, and the date when RSC was submitted/acknowledged/ responded to by the Ministry of the Environment. A site restoration approach involves the use of soil and groundwater quality criteria, which have been developed to provide protection against adverse effects to human/ecological health and the natural environment. These criteria may be applied to agricultural, residential/parkland, industrial/commercial land uses; as well as potable (source of drinking water) and nonpotable groundwater use.

Wastewater Discharger Registration Database **1990-1998** **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).

Waste Disposal Sites - MOE CA Inventory **1970-Sept 2002** **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.

Waste Disposal Sites - MOE 1991 Historical Approval Inventory **Up to Oct 1990*** **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.

Water Well Information System **1955-2006** **WWIS**

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. Geographic coordinates are reliable according to the given percentage. Wells that are identified with lot and concession only are available upon request and would be provided as a separate report.

Private Source Databases:

Anderson's Waste Disposal Sites **1930-2004** **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 authoritive. The information was collected for research purposes only.*

Automobile Wrecking & Supplies **2001-Feb 2007** **AUWR**

This database provides an inventory of all 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.

Commercial Fuel Oil Tanks **1948-Sept 2006** **CFOT**

Since May 2002, Ontario developed a new act where it became mandatory for fuel oil tanks to be registered with TSSA. This data would include all commercial underground fuel oil tanks in Ontario with fields such as location, registration number, tank material, age of tank and tank size.

Chemical Register **1992, 1999-Feb 2007** **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.).

ERIS Historical Searches **1999-2006** **EHS**

EcoLog 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.

Canadian Mine Locations **1998-2005** **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.

Oil and Gas Wells **Oct 2001-2006** **OGW**

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 Nickles' database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Canadian Pulp and Paper **1999, 2002, 2004, 2005** **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.

Retail Fuel Storage Tanks **1989-Feb 2007** **RST**

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of licensed retail fuel outlets. The MCCR no longer collects this information. Current information is now collected from private sources. This database includes an inventory of retail fuel outlet locations that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

Scott's Manufacturing Directory **1992-Jan 2007** **SCT**

Scott's Directories is a data bank containing information on over 70,000 manufacturers in Ontario. Even though Scott's listings are voluntary, it is the most comprehensive database of Ontario manufacturers available. Information concerning a company's address, plant size, and main products are included in this database. This database begins with 1992 information and is updated annually.

Anderson's Storage Tanks **1915-1953*** **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.*

Appendix C
Drinking Water Threats Inventory - Powassan WHPA

WHPA	Vulnerable Area	Vulnerability Score	Uncertainty Score	Threat Location ID	Threat Description	Source Type	Confirmation Code	Threat Classification	Table 1 or Table 2 Reference No.
A	A-1	10	low	A1.1	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	moderate	272
				A1.2	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	moderate	272
					on-site septic system	point	3	significant	1955
	A-2	10	low	A2.1	none identified		5		
B	B-1	10	high	B1.1	road salt application (25 % impervious area)	non-point	3	moderate	92,93
					pesticide application (>1 ha but < 10 ha)	non-point	5	significant	68,70,71,72,73
	B-2	8	low	B2.1	none identified		3		
	B-3	6	low	B3.1	road salt application (12% impervious area)	non-point	3	low	92,93
					pesticide application (>1 ha but < 10 ha)	non-point	5	low	68,70,71,72,73
				B3.2	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	low	272
					on-site septic system	point	3	moderate	1955
	B-4	8	high	B4.1	road salt application (41% impervious area)	non-point	3	moderate	92,93
					pesticide application (>1 ha but < 10 ha)	non-point	5	moderate	68,70,71,72,73
C	C-1	8	high	C1.1	sanitary sewage transmission line	point	3	moderate	1957
	C-2	6	low	C2.1	sanitary sewage transmission line	point	3	low	1957
	C-3	4	low	C3.1	sanitary sewage transmission line	point	3	none	1957
					snow storage area	point	4	none	1467, 1476
	C-4	6	high	C4.1	road salt application (28% impervious area)	non-point	3	low	92,93
					pesticide application (>1 ha but < 10 ha)	non-point	5	low	68,70,71,72,73
				C4.2	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	low	272
	C-5	4	high	C5.1	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	none	272
D	D-1	2	low	D1.1	road salt application (26% impervious area)	non-point	3	none	92,93
					sanitary sewage transmission line	point	3	none	1957
				D1.2	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.3	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	none	272
				D1.4	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.5	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	none	272
				D1.6	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.7	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.8	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.9	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
					pesticide sales and storage (>25 kg and < 250 kg)	point	1	none	1267
				D1.10	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	none	272
				D1.11	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	none	272
				D1.12	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.13	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.14	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	none	272
				D1.15	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.16	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.17	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	none	272

WHPA	Vulnerable Area	Vulnerability Score	Uncertainty Score	Threat Location ID	Threat Description	Source Type	Confirmation Code	Threat Classification	Table 1 or Table 2 Reference No.
				D1.18	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.19	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.20	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.21	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	none	272
				D1.22	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.23	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.24	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.25	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.26	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.27	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	none	272
				D1.28	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.29	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.30	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.31	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.32	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	none	272
				D1.33	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.34	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.35	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.36	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.37	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.38	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.39	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.40	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.41	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.42	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.43	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.44	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.45	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.46	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.47	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.48	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.49	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.50	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.51	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.52	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	none	272
				D1.53	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.54	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.55	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	none	272
				D1.56	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	none	272
				D1.57	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.58	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	none	272
				D1.59	pesticide sales and storage (>25 kg and < 250 kg)	point	1	none	1267
				D1.60	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D1.61	pesticide application (>1 ha but < 10 ha)	non-point	5	none	68,70,71,72,73
	D-2	4	high	D2.1	sanitary sewage transmission line	point	3	none	1957
				D2.2	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D2.3	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	none	272
				D2.4	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	none	272

WHPA	Vulnerable Area	Vulnerability Score	Uncertainty Score	Threat Location ID	Threat Description	Source Type	Confirmation Code	Threat Classification	Table 1 or Table 2 Reference No.
				D2.5	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	none	272
				D2.6	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
	D-3	6	low	D3.1	road salt application (23% impervious area)	non-point	3	low	92,93
					sanitary sewage transmission line	point	3	low	1957
				D3.2	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	low	272
				D3.3	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	low	272
				D3.4	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	low	272
				D3.5	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	low	272
				D3.6	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	low	272
				D3.7	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	low	272
				D3.8	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	low	272
				D3.9	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	low	272
				D3.10	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	low	272
				D3.11	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	low	272
				D3.12	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	low	272
				D3.13	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	low	272
				D3.14	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	low	272
				D3.15	pesticide application (>1 ha but < 10 ha)	non-point	5	low	68,70,71,72,73
	D-4	4	low	D4.1	road salt application (16% impervious area)	non-point	3	none	92,93
					pesticide application (>1 ha but < 10 ha)	non-point	5	none	68,70,71,72,73
				D4.2	sanitary sewage transmission line	point	3	none	1957
				D4.3	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	none	272
				D4.4	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	none	272
				D4.5	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D4.6	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	none	272
				D4.7	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	none	272
				D4.8	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D4.9	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	none	272
				D4.10	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
				D4.11	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	none	272
				D4.12	petroleum storage (above ground tank > 250 L and <2500 L)	point	5	none	272
				D4.13	petroleum storage (above ground tank > 250 L and <2500 L)	point	2	none	272
	D-5	6	high	D5.1	none identified				
	D-6	4	high	D6.1	road salt application (50% impervious area)	non-point	3	none	92,93
					pesticide application (>1 ha but < 10 ha)	non-point	5	none	68,70,71,72,73

NOTES:

a) vulnerability score was obtained from Figure 4 of the Groundwater Vulnerability Assessment report
b) uncertainty score was obtained from Figure 6 of the Groundwater Vulnerability Assessment report
c) source type is either point source, non-point source or corridor source
d) confirmation code was (1) for ECOLOG database search, (2) for NBMCA field reconnaisance survey, (3) for airphoto / map / GIS interpretation, (4) for on-site interview with owner and (5) for unconfirmed
e) threat classification is either low, moderate or significant, or none (if the risk score <40)
f) Table 1 / Table 2 Drinking Water Threat reference number refers to the December 12, 2008 Table of Drinking Water Threats

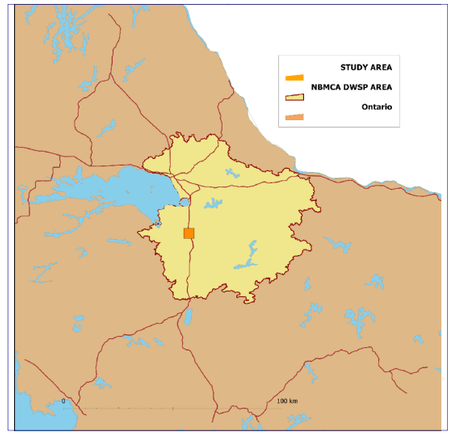
North Bay – Mattawa

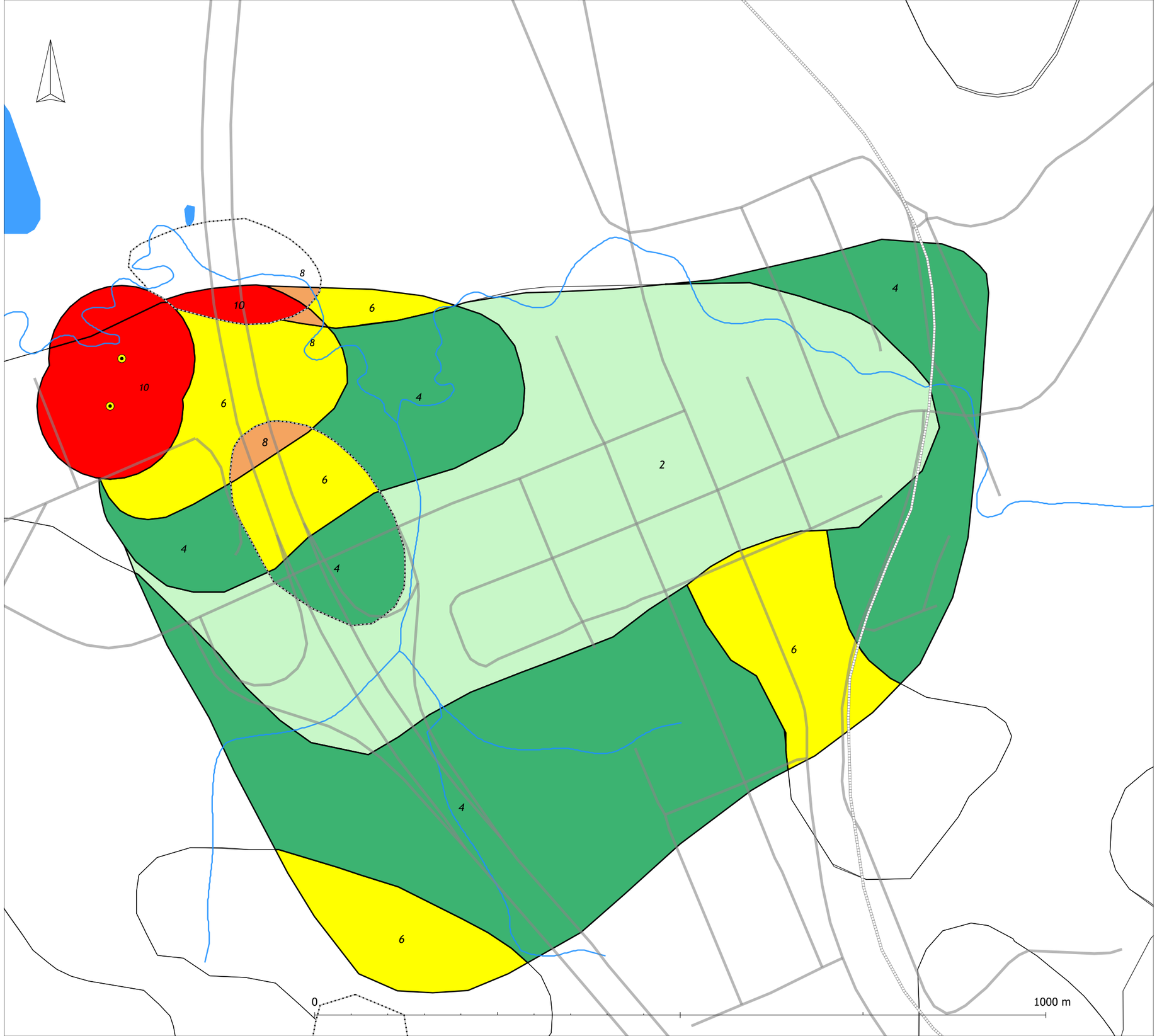
DRINKING WATER SOURCE PROTECTION
ACT FOR CLEAN WATER

FIGURE 1:
Municipality of Powassan
Adjusted Vulnerability Scores

NORTH BAY-MATTAWA CONSERVATION AUTHORITY

Waters Environmental Geosciences Ltd.





LEGEND

- Powassan Well
- Road
- Railway

Water Features

- Stream/River
- Waterbody
- Wetland Area

Vulnerability Scores

SCORE

- 2
- 4
- 6
- 8
- 10

- ISI (High, Medium, Low)
- Pathways

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GIS/Data Specialist
North Bay-Mattawa Conservation Authority,
15 Janey Avenue, North Bay, ON P1C 1N1. Telephone: (705) 475-5420

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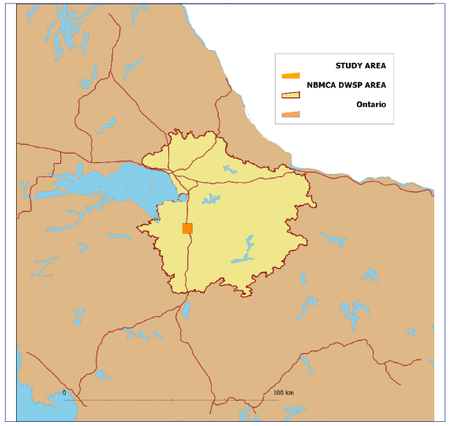
North Bay – Mattawa

DRINKING WATER SOURCE PROTECTION
ACT FOR CLEAN WATER

FIGURE 2:
Municipality of Powassan Wellhead Protection Area, Land Parcels, and Vulnerable Area Keyplan

NORTH BAY-MATTAWA CONSERVATION AUTHORITY

Waters Environmental Geosciences Ltd.



A1
A2
B1
B2
B3
B4
C1
C2
C3
C4
C5
D1
D2
D3
D4
D5
D6

0
500 m

LEGEND

- Well Intakes

Water Features

- Streams
- Waterbody
- Wetland Area
- Parcel
- Roads

Wellheads

- WHPA A - 100m Buff
- WHPA B - 2 year ToT
- WHPA C - 5 year ToT
- WHPA D - 25 year ToT

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