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REPORT ON

PHASE I
ENVIRONMENTAL SITE ASSESSMENT
HIGHLAND PARK CEMETERY
2037 MCGEE SIDE ROAD
OTTAWA, ONTARIO

Submitted to:

Mr. John Cole
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c/o
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DISTRIBUTION:
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February 2010

Our Ref: 10-025

EXECUTIVE SUMMARY

Houle Chevrier Engineering Ltd. (HCEL) was retained by Mr. John Cole of Pinecrest Remembrance Services Ltd. (Pinecrest) c/o Novatech Engineering Consultants Ltd. (Novatech) to carry out a Phase I Environmental Site Assessment (ESA) for the Highland Park Cemetery property located at 2037 McGee Side Road, Ottawa, Ontario.

The legal description of the site is Part of Lot 11, Concession 2, as described in Instrument Number NS13296, Geographic Township of Huntley, City of Ottawa, PIN 04537-0291. The property has a total area of approximately 48.6 hectares (120 acres) and is currently occupied by a cemetery. Existing site structures include a former barn, five (5) smaller storage buildings (used to store site equipment) and a converted residence that serves as a site office. A 1,345 litre above ground storage tank (AST) is located in the equipment storage area and provides diesel fuel to site equipment.

The primary objectives of this Phase I ESA were to review current and historical records concerning the subject site, conduct a site reconnaissance visit to document site conditions and interview persons familiar with the subject site in order to identify historic or current operations, activities or practices that may present potential environmental risks.

No actual or potential issues of environmental concern were identified at the subject site. Based on the results of this Phase I ESA, no further environmental investigation (i.e. Phase II ESA) is recommended at this time.

Based on conditions observed during the site reconnaissance visit, the following site management recommendations are made at this time:

- The diesel AST located in the equipment storage area should be protected from potential vehicle impacts.
- If any of the buildings on site are demolished or renovated, it is suggested that a designated substances survey be conducted beforehand and that the demolition work be performed by a licensed contractor. Any waste generated during the demolition should be disposed at a licensed waste disposal/transfer facility.

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1.0 INTRODUCTION

Houle Chevrier Engineering Ltd. (HCEL) was retained by Mr. John Cole of Pinecrest Remembrance Services Ltd. (Pinecrest) c/o Novatech Engineering Consultants Ltd. (Novatech) to carry out a Phase I Environmental Site Assessment (ESA) for the Highland Park Cemetery property located at 2037 McGee Side Road, Ottawa, Ontario. This report documents the methodology and results of the Phase I ESA conducted for the property.

1.1 Objectives and Scope of Work

The primary objectives of this Phase I ESA were to review current and historical records concerning the subject site and vicinity to identify any historic or current operations, activities or practices that may represent potential issues of environmental concern. It is our understanding that the Phase I ESA is required to support an application being submitted by Pinecrest to the City of Ottawa to develop a new funeral home building on the property.

This Phase I ESA was carried out in general accordance with Canadian Standards Association "Z768-01 Phase I Environmental Site Assessment". The Phase I ESA was conducted by HCEL staff members whose qualifications are provided in Appendix A. The principal components of the Phase I ESA included a records review, a site reconnaissance visit, interviews of persons familiar with the subject site, the evaluation of collected information and reporting.

The records review included sources from geological maps, aerial photographs, Ontario Ministry of the Environment records, Ontario Land Registry records, an Ecolog Eris Report, Technical Standards and Safety Authority records and a review of previous investigations completed in the vicinity of the site. The site reconnaissance visit consisted of a walk through inspection of the site grounds. Pinecrest staff were interviewed prior to and following the site reconnaissance visit. The evaluation and reporting of the findings of the records review, site visit and interviews are included in this report.

A geotechnical investigation and a hydrogeological study/terrain analyses were also conducted at the Highland Park Cemetery property to support the site development application. These investigations were conducted in conjunction with the Phase I ESA and are documented in separate reports submitted to Pinecrest c/o Novatech.

1.2 Overview of the Report

Section 2.0 of this report provides a brief description of the site and Section 3.0 of this report provides the methodology used in conducting the Phase I ESA. Section 4.0 presents the findings of the Phase I ESA. Section 5.0 presents the conclusions and recommendations of the study. The limitations of the report are provided in Section 6.0

2.0 SITE DESCRIPTION

The Highland Park cemetery property (hereafter referred to as the site) is located at 2037 McGee Side Road, east of the intersection of McGee Side and Carp Roads in Ottawa (formerly Township of Huntley), Ontario (refer to Figure 1).

The legal description of the site is Part of Lot 11, Concession 2, as described in Instrument Number NS13296, Geographic Township of Huntley, City of Ottawa, PIN 04537-0291. The property has a total area of approximately 48.6 hectares (120 acres) and is currently occupied by a cemetery. Existing site structures include a former barn and five (5) smaller storage buildings (used by site staff to store site equipment, grave liners and headstones/monuments) and an office building (converted residential dwelling) to meet with clients before and after funeral services. A 1,345 litre above ground storage tank is located in the equipment storage area and provides diesel fuel to an excavator and a backhoe that are used by Pinecrest staff to excavate graves on-site.

The eastern portion of the office building is being renovated to include an equipment and maintenance storage area. As part of the long term plans for the site, a 1,400 square metre building, parking lot and septic system will be built on the north central portion of the site. The building will house a future funeral home and crematorium

Surrounding land use is agricultural to the north, east and west and commercial to the south (McGee Side Road). A commercial business park is located west of the site (at the intersection of Carp and McGee Side Roads). The subject site has been landscaped to include grassed areas and tree lined laneways (to access various burial plot locations).

The site and surrounding land, slopes gently to the northeast. Drainage for the subject site is through surface runoff and by ditches located on the north site of McGee Side Road. The Carp River is located approximately 1,000 metres north/northeast of the site. The current site office and the future funeral home building will be serviced by private water wells and septic systems.

The site layout, including proposed developments and the surrounding land use are shown on Figure 2.

3.0 METHODOLOGY

The assessment comprised a records search, a site reconnaissance visit and interviews with persons familiar with current and historical activities at the site.

3.1 Records Review

In order to assess current and historical conditions at the property, a review of information from the following sources was conducted:

- Bedrock and Overburden Geology Maps - Overburden and bedrock geology maps provided by Natural Resources Canada were consulted in order to assess potential concerns from underlying sediment and bedrock deposits.

- National Air Photo Library – Aerial Photographs from the years 1945, 1967, 1978, 1987 and 1996 were obtained from the National Air Photo Library in Ottawa, Ontario for the site and vicinity. The photographs were reviewed in order to identify potential issues of environmental concern resulting from historical land uses on the subject site and surrounding properties. Copies of the aerial photographs are provided in Appendix B.

- Ontario Ministry of the Environment (MOE) Records - A freedom of information request was sent to the MOE's Ottawa, Ontario office to ascertain if they had any orders, approvals and records of site condition on file for the subject site. A copy of this request is attached in Appendix C.

- Ontario Land Registry - A chain of title search for this property was provided by Wentzell Titles of Kemptville, Ontario and is provided in Appendix D. The chain of title search results were reviewed for historical ownership records of potential environmental concern for the subject site.

- Ecolog Eris Databases - The report searched various public and private information databases to identify potential environmental liabilities. An Ecolog Eris report was obtained for the subject site and a 250 metre radius surrounding the subject site. A copy of the Ecolog Eris Report is provided in Appendix E.

- Technical Standards and Safety Authority (TSSA) - The Technical Standards and Safety Authority (TSSA) maintains a record of fuel storage tanks installed or decommissioned from the late 1980's to the present. A records search was requested for the site and adjacent properties located at 2171, 2036 and 1963 McGee Side Road, 3060 Carp Road and 124 John Cavanaugh Boulevard in Ottawa, Ontario. The TSSA search results are provided in Appendix F.

- City Directories – City directories for the subject site and adjacent properties were included in the database search conducted by Ecolog Eris. A copy of the search results is provided in Appendix G.

- Fire Insurance Plan Records – Fire insurance plans and drawings were not reviewed for this assignment since the site and surrounding properties bordering the site have historically been agricultural land and have yet to be developed extensively.

- Mapping and Assessment of Former Industrial Sites – City of Ottawa, - A report entitled "Mapping and Assessment of Former Industrial Sites, City of Ottawa"; dated July 1988 prepared by Intera Technologies Ltd. was not reviewed for the purposes of this report since the site is located outside the City of Ottawa municipal boundary prior to the 2001 amalgamation and thus would not have been included in this report.

- Carp Road Corridor – City of Ottawa, - A report entitled "Carp Road Corridor Community Design Plan" dated June 2004 prepared by the City of Ottawa was reviewed to ascertain if there were any identified features of environmental concern at the subject site and vicinity.

3.2 Interviews

The property manager, Mr. Benji Sonnenberg, was interviewed on February 4 and March 1, 2010, to obtain information on historical and current practices at the subject site. The President of Pinecrest Remembrance Services Ltd., Mr. John Cole, was interviewed on March 1, 2010 to supplement the information provided by Mr. Sonnenburg.

3.3 Site Inspection Visit

HCEL staff carried out site reconnaissance visits on February 4 and March 1, 2010. The site visits consisted of an inspection of the land area and buildings at the subject site for visual indications of potential issues of environmental concern. A cursory inspection of adjacent properties was carried out by observing the adjacent properties from the boundaries of the subject site and from publicly accessible areas.

4.0 SUMMARY OF FINDINGS

4.1 Records Review

4.1.1 Geologic Maps

Surficial geology maps of the Ottawa area indicate that the subject site is underlain by offshore marine sediments with a thickness between 5 to 10 metres. Bedrock geology maps of the Ottawa area indicate that the overburden is underlain predominantly by interbedded limestone and shale bedrock of the Verulam Formation.

4.1.2 Aerial Photograph Review

Selected aerial photographs were obtained from the National Air Photo Library in Ottawa, Ontario and reviewed. Copies of the aerial photographs are provided in Appendix B. Observations made with respect to the aerial photographs are discussed below:

Plate Number	Date	Aerial Photograph Number	Observations
B-1	1945	A955-44	• The subject site and surrounding properties are vacant agricultural land. • Carp Road is visible east of the site and is largely undeveloped
B-2	1967	A20310-120	• No significant changes are visible from the 1945 photograph.
B-3	1978	A31198-54	• The site remains agricultural land however a house, barn and driveway are now visible on the site. • Development is now visible along Carp Road west of the site.
B-4	1987	A27132-7	• The site is now a cemetery - roadways and paths are visible on-site. • Development on the east side of Carp Road has intensified. A commercial business park is visible at the northeast corner of McGee and Carp Roads west of the site.
B-5	1996	A31736-210	• The commercial business park on the northeast corner of McGee and Carp Roads has expanded. John Cavanaugh Boulevard extends from Carp Road to McGee Side Road. • Additional pathways have been added and the subject site is in its current configuration. • No other significant changes are visible from the 1987 photograph.

Based on a review of selected historical aerial photographs, the subject site was agricultural land from 1945 until the 1980's at which time it was developed into a cemetery. Adjacent land use has historically been rural residential or agricultural until the late 1980's when a commercial/industrial business park was developed west of the site.

4.1.3 Ontario Ministry of the Environment Records

A freedom of information request was made to the Ontario Ministry of the Environment (MOE) district office in Ottawa, Ontario to determine if the Ministry has any information on file concerning the subject site. Specifically, the MOE was asked to respond (in writing) with any information or records it had on file for the subject site. A copy of the request is provided in Appendix C.

The MOE response was not available at the time of publication of this report. If a formal reply is received the information will be reviewed by HCEL staff and a copy of the response will be forwarded to Pinecrest so it can be appended to the report. If the obtained information changes any of the conclusions or recommendations made in this report, updated conclusions and recommendations will be provided with the information forwarded to Pinecrest.

4.1.4 Ontario Land Registry

Legal descriptions for the subject site are provided in the title search which is provided in Appendix D. The legal description of the subject site is as follows: Part of Lot 11, Concession 2, as described in Instrument Number NS13296, Geographic Township of Huntley, City of Ottawa, PIN 04537-0291.

The highlights of the chain of title search are provided as follows:

- The site was originally owned by the Crown;
- The first owner of the site was John Cavanaugh who purchased the site in 1828;
- The site was owned by various private individuals until May 12, 1978 when it was purchased by the Pinecrest Cemetry Company Ltd, (now Pinecrest Remembrance Services Ltd.);
- Pinecrest has retained ownership of the site since 1978.

4.1.5 Ecolog Eris Report

A request was made to Ecolog Eris to search public and private databases for information regarding the site and surrounding properties within a 250 metre radius of the site. A copy of the Ecolog Eris report is provided in Appendix D. The following database entries were identified in the Ecolog Eris Report as being within a 250 metre radius of the site:

Abandoned Aggregate Inventory

- Five (5) abandoned aggregate listings were identified on Lots 11 and 12, Concession 2, in the Township of West Carleton. Two of the listings were for a rehabilitated aggregate pit.

Ontario Ministry of Environment Environmental Registry

- One listing was identified for a certificate of approval granted to Senstar - Stellar Corporation, located at 119 John Cavanaugh Drive, for discharges into the natural environment other then water (i.e. Air).

Fuel Storage Tanks

- Two 22,700 litre single walled underground gasoline storage tanks were identified for the Weedmark Service Centre located at 3070 Carp Road, west of the site. The tanks were reportedly installed in 1990.

Eris Historical Searches

- A historical search was undertaken at the 126 John Cavanaugh Drive property west of the site in July 2005. This search is likely associated with a Phase I ESA that was conducted in association with that property.

Ontario Regulation 347 Waste Generators Summary

- Six (6) waste generator numbers were identified for Camcor Industries, located at 128 John Cavanaugh Drive, for the generation of heavy metal acid wastes, emulsified oils, aliphatic solvents and oil skimmings and sludges.

- Two (2) waste generator numbers were identified for T.A. Morrison and Company, located at 129 John Cavanaugh Drive, for the generation of aliphatic solvents, inorganic laboratory chemicals, polymeric resins, waste oils, lubricants and waste compressed gases.

- One waste generator number was identified for Mosaid Technologies Incorporated for the generation of aliphatic solvents and photo processing wastes at the location 2171 McGee Side Road.

- One waste generator number was identified for Pathfinder Maps, located at 112 John Cavanaugh Drive, for the generation of photo processing wastes within 250 metres of the subject site.

- One waste generator number was identified for Senstar Corporation, located within the Pri-Tec Industrial Park (on John Cavanaugh Drive) for the generation of halogenated solvents.

Private and Retail Fuel Storage Tanks

- One private fuel storage tank was identified within 250 metres of the subject site. The tank is located at Lot 12 Concession 2 in West Carleton. The tank has a capacity of 13,638 litres.

Scott's Manufacturing Directory

- Eight (8) manufacturing facilities were identified within 250 metres of the subject site. The types of facilities include communications equipment manufacturing, machine shops, electronic component manufacturing and publishing.

Water Well Information System

- Twenty Seven (27) private water wells were identified on or within 250 metres of the subject site.

The results of the Ecolog Eris database review indicates that within 250 metres of the subject site there are: eight (8) manufacturing facilities, eleven (11) waste generator numbers issued to various industries; and, three (3) fuel storages tanks, ranging in capacity from 13,638 to 22,700 litres. Based on the reported size and locations of the items identified in the report, the potential environmental risks to the subject site are considered to be low.

4.1.6 Technical Standards and Safety Authority (TSSA)

The TSSA's response indicated that they have no records on file of any incidents or storage tanks at the properties searched. A copy of the TSSA response is provided in Appendix E.

4.1.7 City Directories

City directories spanning the years 1992 through 2009 were searched for the subject site and the following addresses: 1963, 2171 and 2036 McGee Side Road, 3060 Carp Road and 124 John Cavanaugh Drive in the City of Ottawa. The highlights of the search are as follows:

- The Weedmark Service Centre at 3070 Carp Road and a single unit residential structure at 3060 Carp Road were listed in each of the directories since 1992.
- The subject site is listed in the 2009 directory under the Highland Park Cemetery. It is not listed in the previous directories.
- No other listings were noted for the other properties searched.

4.1.8 Carp Road Corridor Community Design Plan

No designated environmental features were identified for the subject site and vicinity in this study. According to the study:

- Land use at the subject site is designated as a mix of highway commercial (western portion) and agricultural resource area (eastern portion).
- There are no surface water recharge areas, wetlands or woodlands greater than fifty (50) years old on the subject site.

4.2 Site Interviews

The following points were discussed with the property manager, Mr. Benji Sonnenburg, on February 4 and March 1, 2010:

- The property was purchased by Pinecrest in the late 1970's.
- It was developed in the late 1980's and funerals/burials have been carried out at the site since 1987 or 1988. Burials take place in the western portion of the property.
- A barn and a house were located on the eastern portion of the site when it was purchased. The house was reportedly constructed in the 1960's. The construction date of the barn and storage buildings is unknown.
- The barn and some smaller buildings adjacent to it are used as an equipment storage area. The house has been converted into a site office.
- Highland Park cemetery does not perform any embalmments or cremations on-site. These services are conducted at Pinecrest's 2500 Baseline Road facility and the body/ashes are transported to the Highland Park cemetery for burial.
- No herbicides or pesticides are stored on-site. A pallet load of fertilizer is brought to the site each spring and is applied on the grounds by Pinecrest staff over a two week period.
- A diesel fuel above ground storage tank (AST) supplies fuel to excavation equipment used on site and is filled once every 3 to 4 weeks.

- To the best of his knowledge there have been no spills or other potential issues of environmental concern on the subject site since it has been owned by Pinecrest.

The following additional information was provided by Mr. John Cole on March 1, 2010:

- Pinecrest's purchase of the property was finalized in May 1978.
- Plans are in place to construct a funeral home and crematorium as part of a scheduled site expansion.
- A new maintenance equipment garage is currently under construction (the office building is being expanded to the east). The existing equipment storage area will remain in use (to store grave liners, monuments etc.).
- The office building is currently heated with an oil fired furnace.

4.3 Site Inspection Visit

The site reconnaissance visits were conducted on February 4 and March 1, 2010 and consisted of an inspection of the grounds at the property. The site was covered with snow at the time of the inspection visit. The following observations were made during the visit:

- The subject site is rectangular in shape and the central portion is occupied by a cemetery. A series of roads and pathways, landscaped with trees on either side, divides the central portion of the cemetery property into various sections for funerals and burial plots.
- A former residential dwelling is located on the southeastern portion of the property. The western half of the main floor has been converted into a business office while the remainder of the main floor and basement are part of the former residence. At the time of the site visit, the eastern portion of the building was being expanded (future heated garage/equipment storage area). Some cleaning supplies are stored in a cabinet inside the building and used to clean the floors, windows, counters etc.
- The office building is heated by an oil fired furnace located in the basement of the building. A 900 litre heating oil tank is located north of the furnace. The vent and fill lines for the tank are located at the north wall of the building. No evidence of spills or leaks was observed in the vicinity of the tank.
- The office building obtains water from a private water supply well located on site and utilizes a septic system for sewage disposal. It is supplied by hydro electric and telephone services.
- The equipment storage area is comprised of a barn and five (5) smaller wooden storage buildings. Equipment that is regularly used on-site includes a rubber tired backhoe

(burial services), a half tonne service truck (carrying monuments, road maintenance work etc.). A track mounted excavator is stored on site for use as needed. Two riding lawnmowers and a grass detacher are also stored on-site for seasonal landscaping.

- A 1,345 litre, double walled, above ground steel storage tank (AST) is located near the equipment storage area and is used to fuel site maintenance equipment. The tank is in good condition and generally compliant with the Liquid Fuels Handling Code (2007) with one exception. The AST is not protected from vehicular traffic at the site.

- Some ceremonial arches are present on the western portion of the cemetery. Funerals are being performed west and southwest of the roadways located at the central portion of the cemetery.

- The northern, eastern and western perimeter of the site is vacant agricultural land.

- Surrounding land to the north, east and south (across McGee Side Road) is vacant agricultural land. A commercial industrial park is located west of the site at the northeast corner of intersection of Carp and McGee Side Roads.

- No evidence of vegetative stress or surface staining was observed at the equipment storage area, including the vicinity of the AST.

- Minor debris and waste is stockpiled in a waste storage bin located near the equipment storage area.

- The diesel AST, heating oil tank and the cleaning supplies located in the office building are the only chemicals that were observed on-site.

4.4 Hazardous Materials Storage

Hazardous Materials observed onsite include (but are not limited to) chemical cleaners. Overall, good chemical storage and handling practices were observed throughout the property during the site reconnaissance.

4.4.1 Lead

The site buildings were reportedly constructed prior to 1978 indicating there is the potential that lead may be present in any paint, piping or solder joints present in the buildings.

4.4.2 Mercury

Based on the age of the building there is potential for mercury to be present in paint used at the subject site. Possible mercury containing thermostat switches were identified inside the site building. No other evidence of mercury containing materials was observed.

4.4.3 Storage Tanks

A single diesel fuel above ground storage tank (AST) and a heating oil tank were observed at the subject site. There are no records to suggest that underground storage tanks (USTs) have been located at the subject site.

4.4.4 Polychlorinated Biphenyl (PCB's)

No evidence of PCB containing materials was identified at the site. Based on the age of the building, there is the potential for PCB containing materials to be present.

4.4.5 Asbestos Containing Materials (ACM)

No evidence of asbestos containing materials was observed during the site reconnaissance. Based on the age of the building there is the potential that asbestos containing materials may be present in items such as floor tiles or plaster.

4.4.6 Urea Formaldehyde Foam Insulation (UFFI)

The majority of UFFI was installed in new and existing construction in Canada between 1975 and 1978 as part of the Canadian Home Insulation Program. Based on the age of the buildings there is potential for UFFI to be present in the site buildings.

4.4.7 Solid Waste Disposal Practices

All solid wastes generated in the office building and the equipment storage area are stored in well labeled containers and disposed of as required.

4.4.8 Ozone Depleting Substances

A refrigerator is located in the former kitchen in the office building. The refrigerator was observed to be in good repair. No wall or window mounted air conditioning units were observed on-site.

4.4.9 Radon Gas

Based on the reported geological setting of the subject site, radon gas is not expected to be of environmental concern for the subject site.

4.5 Adjacent Properties

A cursory inspection of adjacent properties was carried out by observing the adjacent properties from the boundaries of the subject site and from publicly accessible areas. A summary of adjacent property use is provided below.

Direction from Subject Site	Identified Land Use
North	Vacant agricultural and fallow lands.
East	Agricultural lands.
South	McGee Side Road followed by vacant agricultural lands or fallow lands.
West	Commercial/Industrial business park (northwest corner of the intersection of McGee Side and Carp Roads).

5.0 CONCLUSIONS AND RECOMMENDATIONS

A Phase I ESA was conducted on the Highland Park Cemetery property located at 2037 McGee Side Road in Ottawa, Ontario. No actual or potential issues of environmental concern were identified at the subject site or vicinity.

Based on the results of this Phase I ESA, no further environmental investigation (i.e. Phase II ESA) is recommended at this time.

Based on conditions observed during the site reconnaissance visit, the following site management measures are recommended at this time:

- Diesel AST – in accordance with section 3.5.8 b) of the Liquid Fuels Handling Code, posts or guardrails (bollards) should be constructed and located at least 1 metre away from the AST to protect it from vehicular impact.
- If any of the buildings on site are demolished or renovated, it is suggested that a designated substances survey be conducted beforehand and that the demolition work be performed by a licensed contractor. Any waste generated during the demolition should be disposed at licensed waste disposal/transfer facilities.

6.0 LIMITATIONS OF THE REPORT

The results of this Phase I ESA should in no way be construed as a warranty that the subject property is free from any and all contaminants other than those noted in this report, nor that all compliance issues have been addressed.

This report was prepared for the exclusive use of Pinecrest Remembrance Services Ltd. (Pinecrest) and Novatech Engineering Consultants Ltd. (Novatech) and is based on data and information collected during the Phase I ESA of the property conducted by Houle Chevrier Engineering Ltd. This report may not be relied upon by any other person or entity without the express written consent of Houle Chevrier Engineering Ltd., Pinecrest and Novatech. In evaluating this site, Houle Chevrier Engineering Ltd. has relied in good faith on information provided by others. We accept no responsibility for any deficiencies or inaccuracies in this report as a result of omissions, misinterpretations, or fraudulent acts of others.

The assessment of environmental conditions and possible site hazards presented has been made using the available historical and technical data collected and provided by others. The conclusions provided herein represent the best judgments of Houle Chevrier Engineering Ltd. based on current environmental standards. Due to the nature of the investigation and the limited data available, we cannot warrant against undiscovered environmental liabilities.

The scope of the Phase I ESA is sufficient to identify existing and/or potential environmental liabilities that are obvious from visual examination of surface features and from available sources of information. This level of work is a method of risk reduction, not risk elimination. No building materials, water, liquid, gas, products or chemical sampling and/or testing on or in the vicinity of the subject site was carried out as part of this assessment. In general, the Phase I ESA does not include a program of intrusive observation/testing. These activities would be carried out as part of a Phase II ESA, if required. This environmental assessment included only a cursory overview of the neighboring land uses from public right of ways and from the subject site and does not constitute a complete assessment of the adjacent sites.

Should new information become available during future work, including excavations, borings or other studies, Houle Chevrier Engineering Ltd. should be requested to review the information and, if necessary, re-assess the conclusions presented herein.

We trust this report is satisfies your present requirements. If you have any questions concerning this report, please do not hesitate to contact our office.

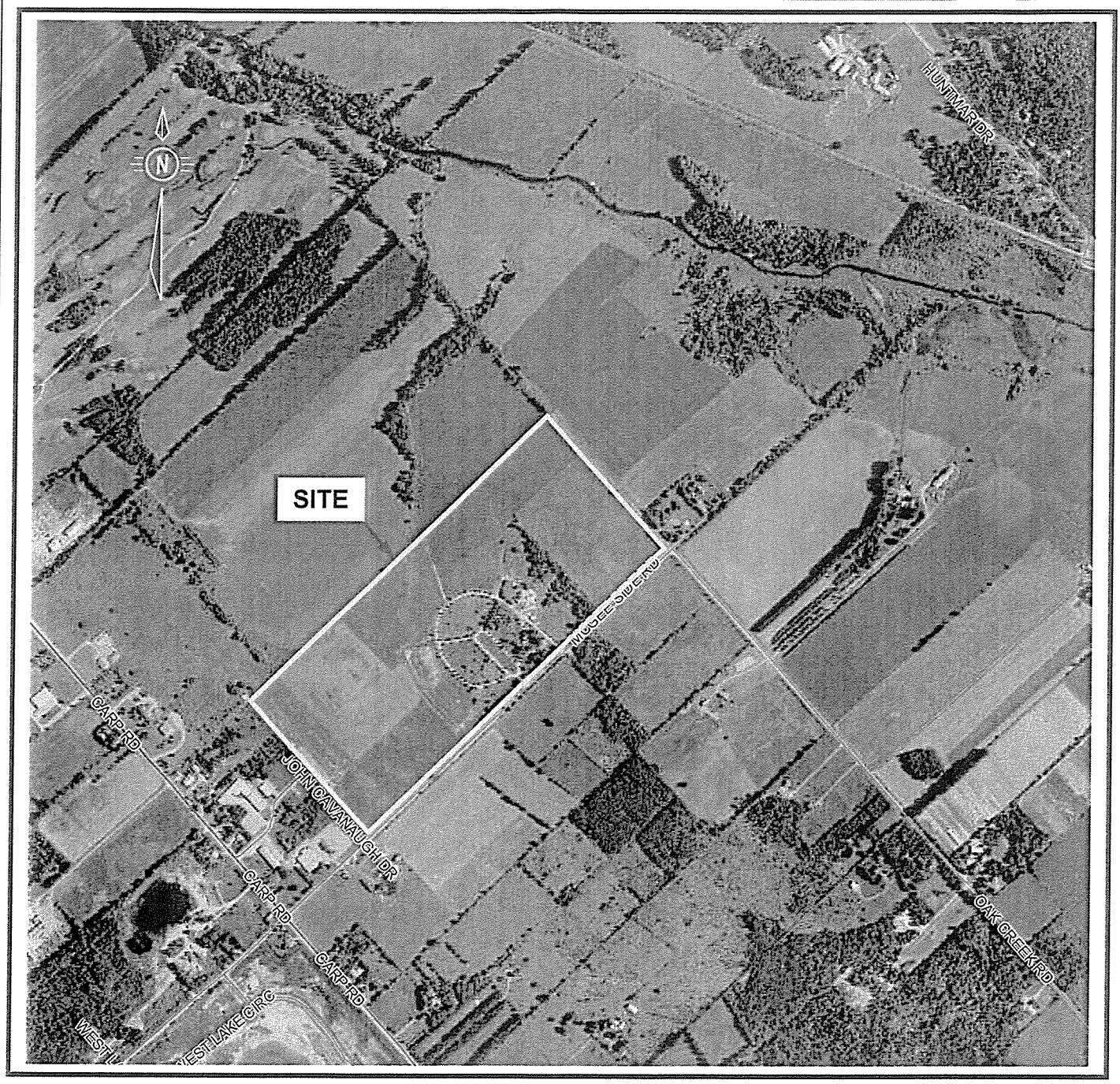
Yours truly,

HOULE CHEVRIER ENGINEERING LTD.

Chris MacDonald, B.Sc.
Environmental Scientist

Mike Grinnell, P. Eng.
Senior Environmental Engineer

SITE LOCATION	FIGURE 1



N.T.S

Houle Chevrier Engineering

Date: March 2010

Project: 10-025

REFERENCE: PLAN PREPARED USING OTTAWA E-MAPS.

Client: PINECREST REMEMBRANCE SERVICES LTD.		Location: HIGHLAND PARK CEMETARY 2037 McGEE SIDE ROAD OTTAWA, ON	Revision: 0
Drawn by: D.J.R	Approved by: S.M.G.	Project No.: 10-025	Scale: 1:1000
Houle Chevrier Engineering		Title: SITE LAYOUT	
		Date: March 2010	FIGURE 2

APPENDIX A
QUALIFICATIONS OF ASSESSORS

Qualifications of Assessors

The primary assessor for this Phase I Environmental Site Assessment, Mr. Chris McDonald, possesses an appropriate combination of formal education, skills, experience and training to provide a technically sound and rational Phase I ESA. Mr. McDonald possesses a Bachelor of Science (Honors) with a major in environmental science, and has been conducting Phase I ESA's for HCEL since February 2009.

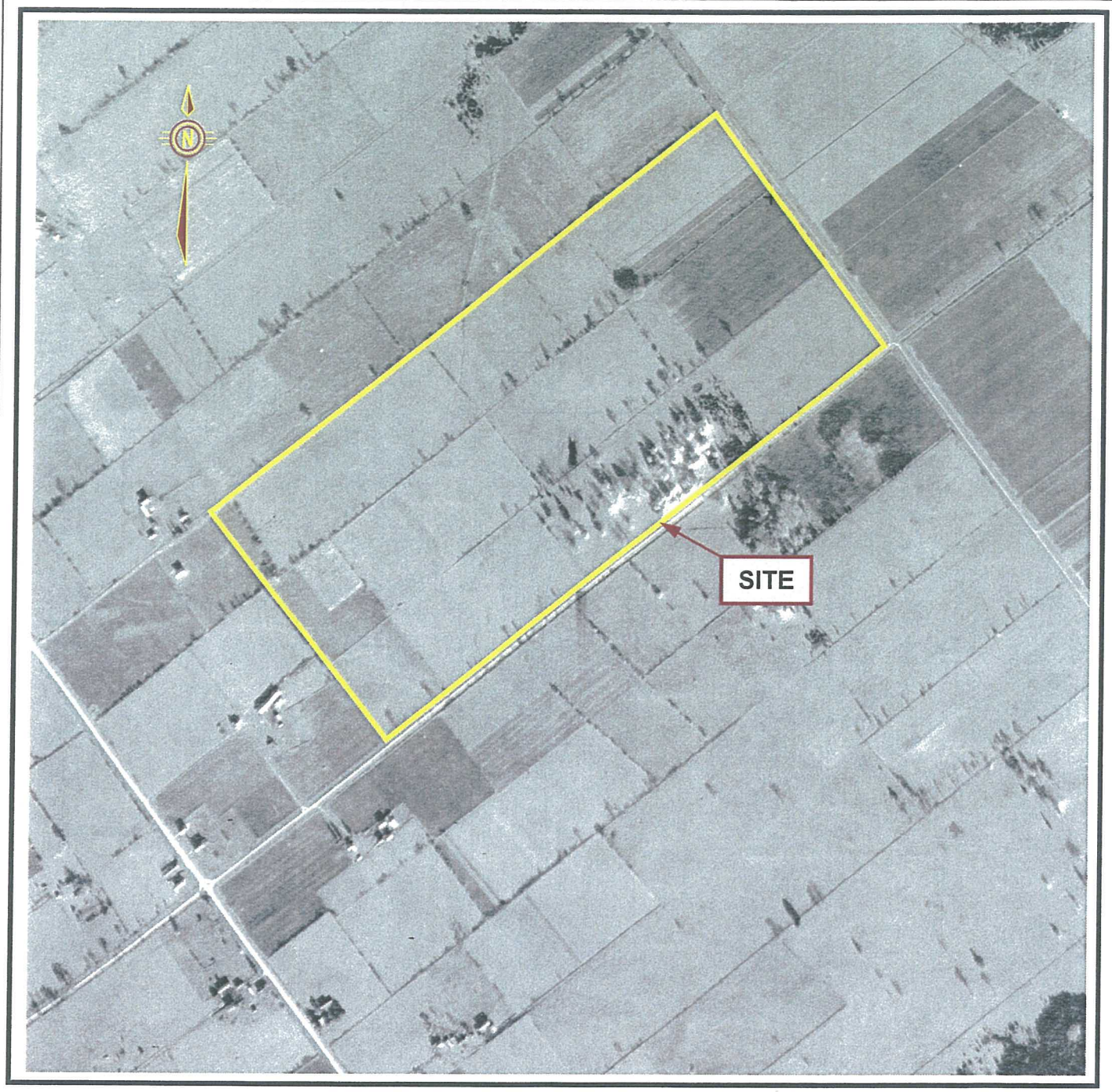
The Senior Environmental Engineer for this Phase I ESA, Mike Grinnell P.Eng. is a Registered Professional Engineer for the Province of Ontario, with over 17 years experience in environmental consulting. Mike has completed hundreds of Phase I ESA's at various private and public facilities located across Eastern Ontario.

APPENDIX B

AERIAL PHOTOGRAPHS

NATIONAL AIR PHOTO LIBRARY

1945 AIR PHOTOGRAPH	PLATE B-1



N.T.S

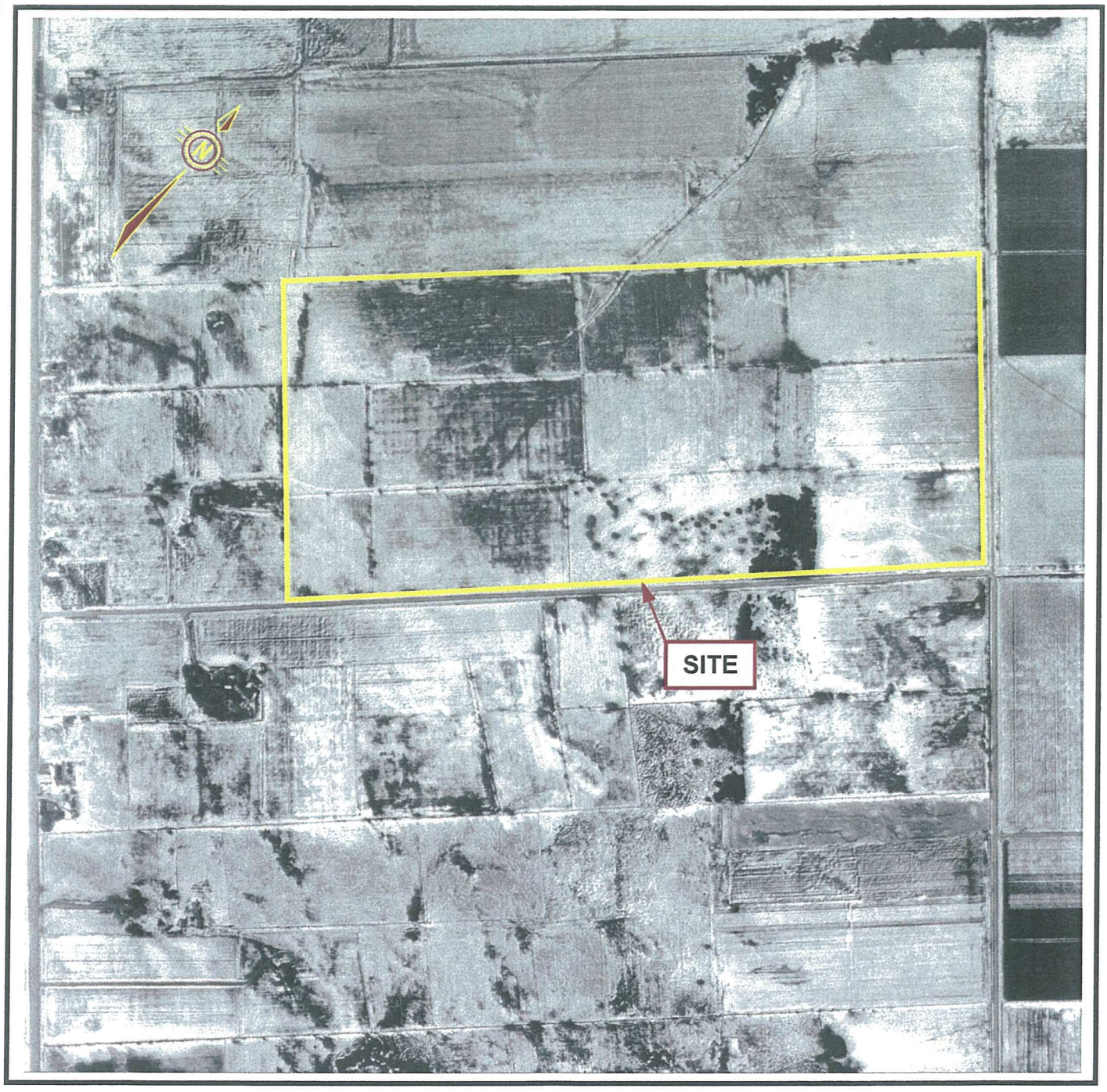
Houle Chevrier Engineering

Date: March 2010

Project: 10-025

1967 AIR PHOTOGRAPH

PLATE B-2



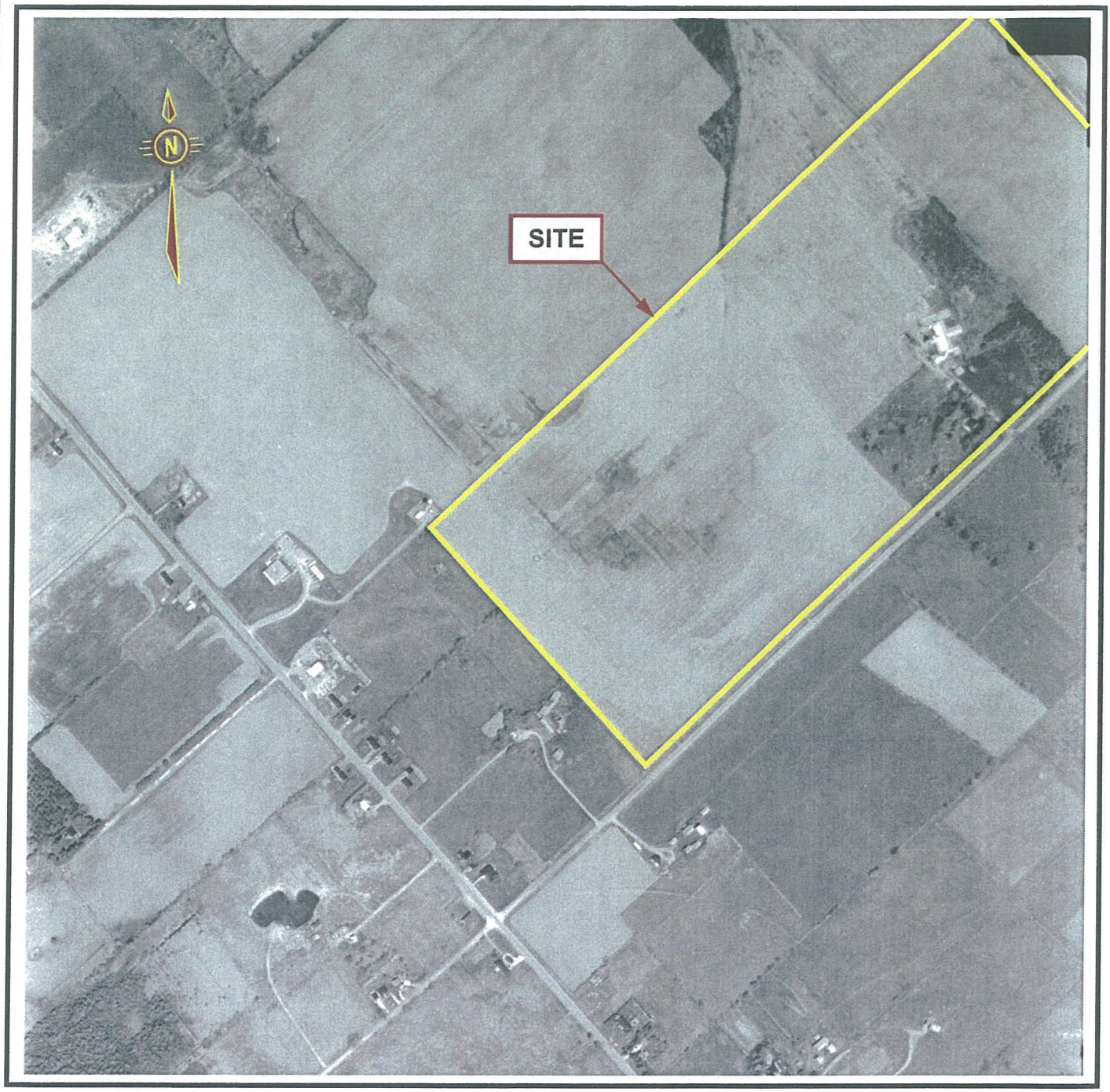
N.T.S

Houle Chevrier Engineering

Date: March 2010

Project: 10-025

1978 AIR PHOTOGRAPH	PLATE B-3



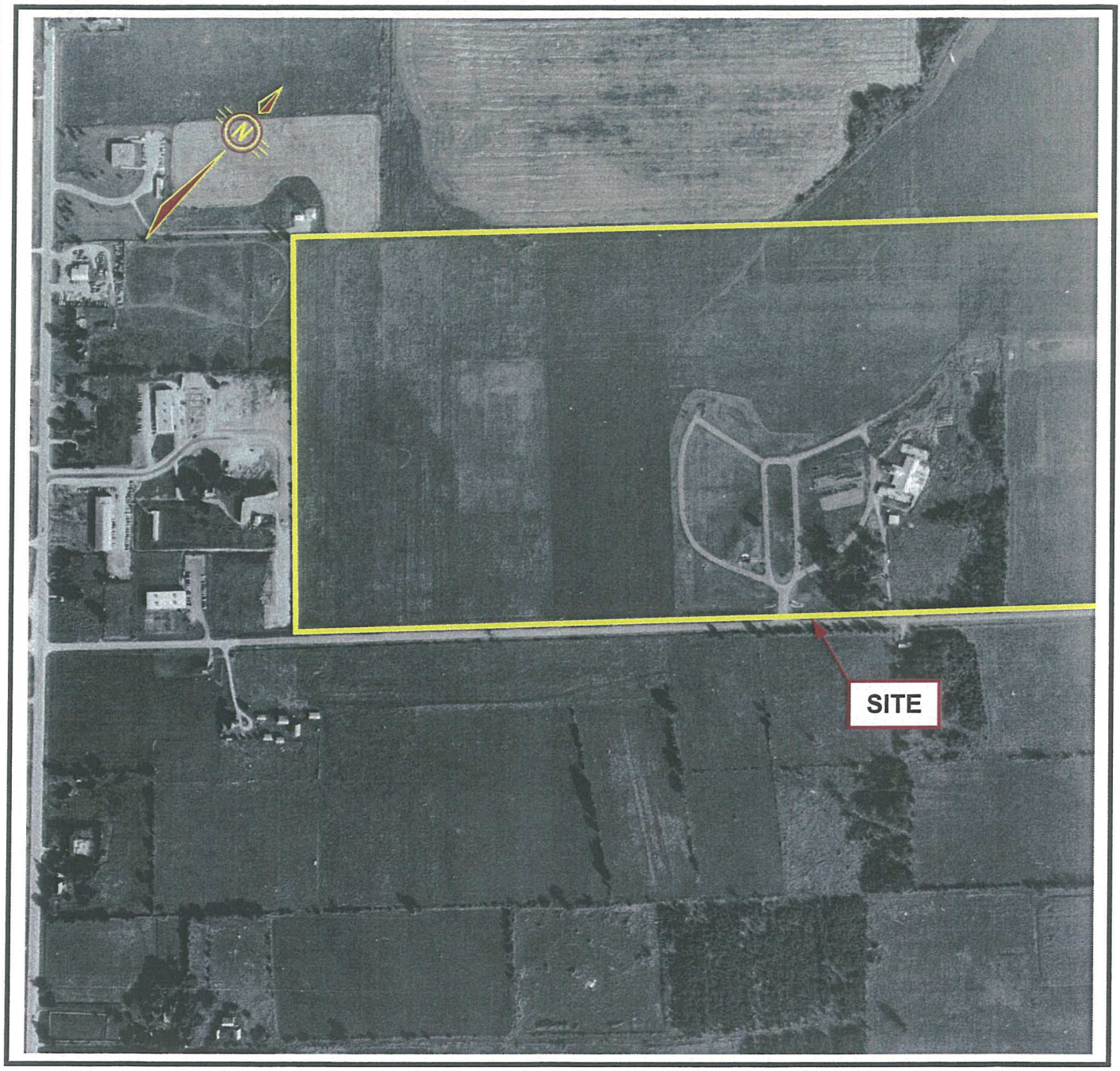
N.T.S

Houle Chevrier Engineering

Date: March 2010

Project: 10-025

1987 AIR PHOTOGRAPH	PLATE B-4



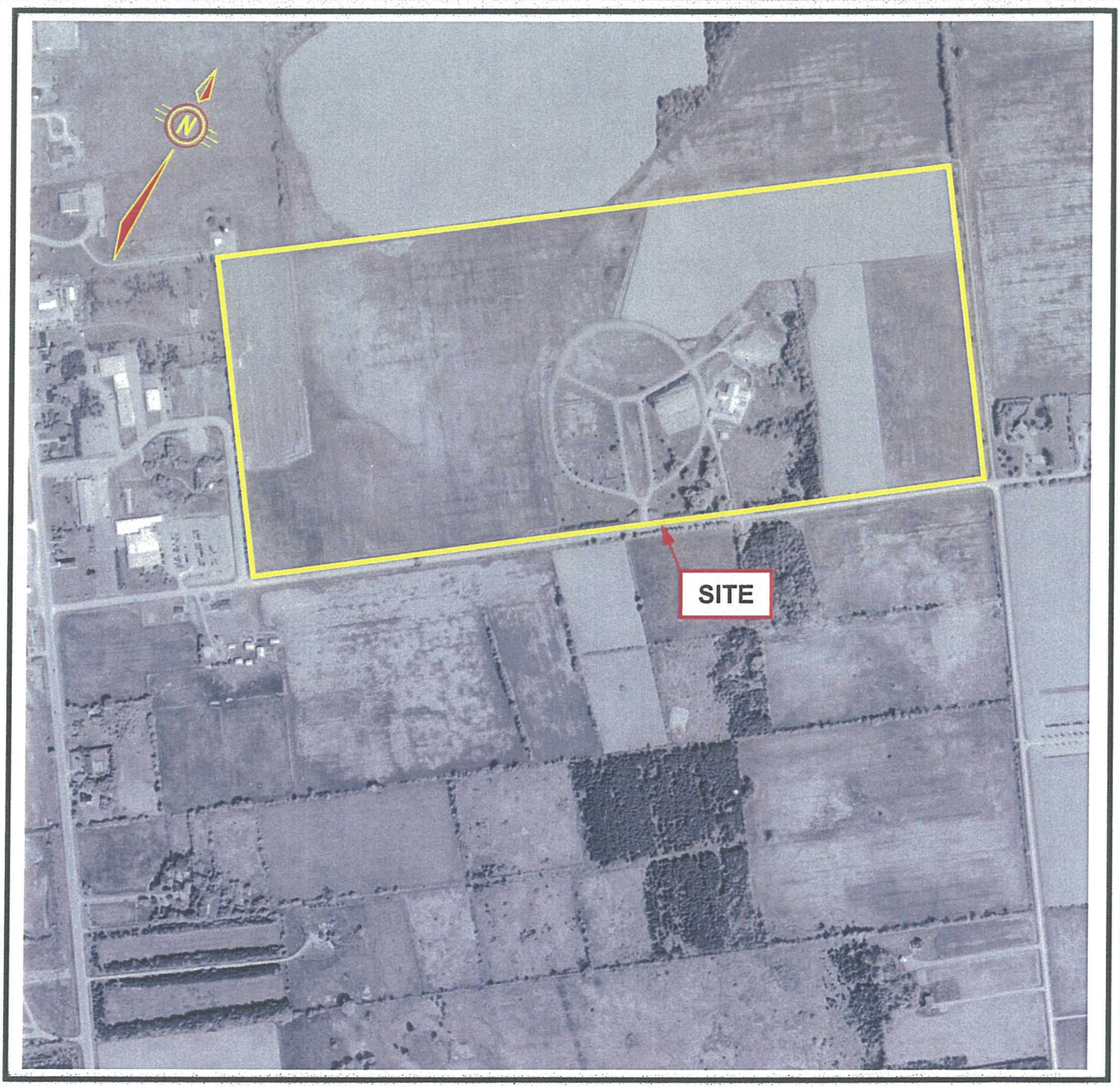
N.T.S

Houle Chevrier Engineering

Date: March 2010

Project: 10-025

1996 AIR PHOTOGRAPH	PLATE B-5



N.T.S

Houle Chevrier Engineering

Date: March 2010

Project: 10-025

APPENDIX C
ONTARIO MINISTRY OF THE ENVIRONMENT CORRESPONDENCE

Houle Chevrier Engineering Ltd.
180 Wescar Lane
R.R. 2
Carp, Ontario K0A 1L0
Tel.: (613) 836-1422
Fax: (613) 836-9731
www.hceng.ca

February 19, 2010

Our Ref: 10-025

Ontario Ministry of the Environment
2430 Don Reid Drive
Ottawa, Ontario
K1H 1E1

RE: REQUEST FOR REVIEW OF INDEX RECORDS OF ORDERS, APPROVALS AND RECORDS OF SITE CONDITION
2037 MCGEE SIDE ROAD, CARP, ONTARIO

Dear Sirs:

We have been retained to carry out a Phase I Environmental Site Assessment (ESA) for the above noted property located in Carp, Ontario. The property is currently a cemetery.

We are requesting that information regarding any orders or approvals be provided.

Thank you for your assistance regarding this matter.

Yours truly,

Houle Chevrier Engineering Ltd.

Chris McDonald, B.Sc.
Environmental Scientist.

APPENDIX D

ONTARIO LAND REGISTRY

TITLE SEARCH RESULTS

attn: Chris McDonald

(1)

ENVIRONMENTAL SEARCH

Ref no. 10-025

INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER
	Patent	July 5 1828	Crown	John Cavanagh
HU562	Deed	Jan 31 1874	John Cavanagh	William Cavanagh
HU7781	Deed	Apr 8 1920	Estate of William Cavanagh	Michael J. Connors
HU9732	Deed	Nov 3 1943	Estate of Michael J. Connors	Anne A. Connors
HU10493	Deed	Aug 14 1951	Anne A. Connors	Wilbert A. Deugo
HU12743	Deed	June 19 1968	Wilbert Deugo	Denise M.S. Mundy
HU12886	Deed	Nov 20 1968	Denise M.S. Mundy	Oakley Farms Limited
NS13296	Deed	May 12 1978	Oakley Farms Limited	Pinecrest Cemetery Company Limited (Current Owner)

ENVIRONMENTAL SEARCH

INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER
* Legal description is:			Part of Lot 11, Concession 2, as described	
in Instrument no.			NS13296, Geographic Township of	
Huntley, City of Ottawa. PIN 04537-0291.				
			Feb 19/10.	

APPENDIX E

ECOLOG ERIS SITE REPORT

Canada's Primary Environmental Risk Information Service

Project Site:	Pincrest Phase I 2037 McGee Side Road Carp, ON
Client:	Chris McDonald Houle Chevrier Engineering 180 Wescar Lane RR 2 Carp, ON K0A1L0
ERIS Project No:	20100217018
Report Type:	Custom Report - .25km Search Radius
Prepared By:	Daniela Nigro dnigro@eris.ca
Date:	March 05, 2010

12 Concorde Place, Suite 800 Toronto, Ontario M3C 4J2
416-510-5204 • Fax: 416-510-5133 Toll Free: 1-866-517-5204 • www.eris.ca • info@eris.ca

Table of Contents

Order Number: 20100217018
Site Name: Pincrest Phase I
Site Address: 2037 McGee Side Road Carp, ON
Report Type: Custom Report, 0.25 km Search Radius

Report Summary

Order Number: 20100217018
Site Name: Pincrest Phase I
Site Address: 2037 McGee Side Road Carp, 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 0.25km	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	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0	0
BORE	Borehole	Y	1	3	0	3
CA	Certificates of Approval	Y	0	0	0	0
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	1	0	1
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
FST	Fuel Storage Tank	Y	0	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	11	0	11
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	0	0	0
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
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	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0	0
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	0	0	0

Report Summary

Order Number: 20100217018
Site Name: Pincrest Phase I
Site Address: 2037 McGee Side Road Carp, ON
Report Type: Custom Report, 0.25 km Search Radius

Database		Selected	On-site	Within 0.25	0.25km to 0.25km	Total
SCT	Scott's Manufacturing Directory	Y	0	8	0	8
SPL	Ontario Spills	Y	0	0	0	0
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	6	14	0	14
		TOTAL	7	38	0	38

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.

ECOLOG ERIS

Pinpointing Your Environmental Risks

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

Project Property: Pincrest Phase I
2037 McGee Side Road
Carp, ON

ERIS Project #: 20100217018

Date: FEB-26-2010

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

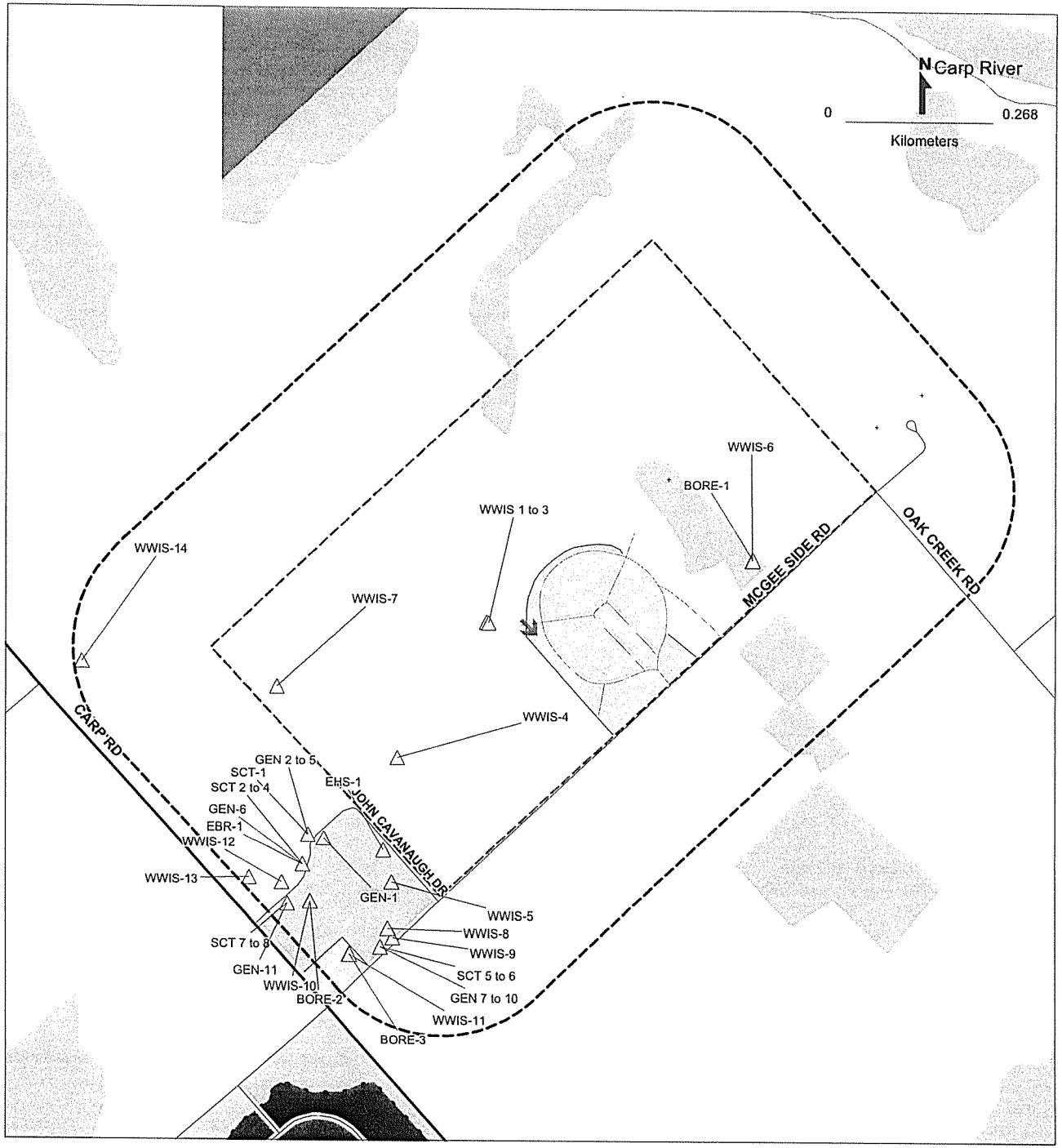
Recreation
- Golf Course/Driving Range
- Park/Sports Field
- Other Recreation Area
- Sports/Race Track
- Cemetery
- Campground

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.

SITE DIAGRAM



Site Report

Order Number: 20100217018
Site Name: Pincrest Phase I
Site Address: 2037 McGee Side Road Carp, ON
Report Type: Custom Report, 0.25 km Search Radius

FOR COMPLETE INFORMATION, REFER TO DETAIL REPORT

Water Well Information System

Map Key	Company Name	Address	City	Postal Code
WWIS-1		lot 11 con 2	HUNTLEY TOWNSHIP	
WWIS-2		lot 11 con 2	HUNTLEY TOWNSHIP	
WWIS-3		lot 11 con 2	HUNTLEY TOWNSHIP	
WWIS-4		lot 11 con 2	HUNTLEY TOWNSHIP	
WWIS-6		lot 11 con 2	HUNTLEY TOWNSHIP	
WWIS-7		lot 11 con 2	HUNTLEY TOWNSHIP	

Borehole

Map Key	Company Name	Address	City	Postal Code
BORE-1				

Detail Report

Order Number: 20100217018
Site Name: Pincrest Phase I
Site Address: 2037 McGee Side Road Carp 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 Aggregate Inventory

Borehole

Environmental Registry

ERIS Historical Searches

Fuel Storage Tank

Ontario Regulation 347 Waste Generators Summary

Private and Retail Fuel Storage Tanks

Scott's Manufacturing Directory

Water Well Information System

Abandoned Aggregate Inventory

Map Key	Company	Address	Type	Region/County	Township
n/a		Lot 11 Con 2 West Carleton	Pit	Ottawa-Carleton	West Carleton
			Concession:	2	
			Lot:	11	
			Size (ha):		
			Landuse:		
			Comments:	rehabilitated	
n/a		Lot 12 Con 2 West Carleton	Pit	Ottawa-Carleton	West Carleton
			Concession:	2	
			Lot:	12	
			Size (ha):	1.4	
			Landuse:		
			Comments:		
n/a		Lot 11 Con 2 West Carleton	Pit	Ottawa-Carleton	West Carleton
			Concession:	2	
			Lot:	11	
			Size (ha):	1.4	
			Landuse:		
			Comments:		
n/a		Lot 11 Con 2 West Carleton	Pit	Ottawa-Carleton	West Carleton
			Concession:	2	
			Lot:	11	
			Size (ha):	1.2	
			Landuse:		
			Comments:		
n/a		Lot 11/12 Con 2 West Carleton	Pit	Ottawa-Carleton	West Carleton
			Concession:	2	
			Lot:	11/12	
			Size (ha):		
			Landuse:		
			Comments:	rehabilitated	

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-1			609718	Borehole	

Status:
Drill Method:
UTM Zone: 18
Easting: 422591.000
Northing: 5019102.000
Location Accuracy:
Orig. Ground Elevation: 111.300003 ft
Elev. Reliability Note:
DEM Ground Elevation: 111.199997 ft
Total Depth: 154.199997 ft
Primary Name:
Township:
Concession:
Lot:
Municipality
Completion Date: May-1969
Static Water Level:
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth	Bottom Depth	Stratum Desc
218383902	0 ft	1.200000 ft	HARDPAN,SHALE.
218383903	1.200000 ft	154.199997 ft	LIMESTONE. GREY. UNSPECIFIED. SEISMIC VELOCITY = 4800. BEDROCK. SEISMIC VELOCITY = 11000.

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-2			609710	Borehole	

Status:
Drill Method:
UTM Zone: 18
Easting: 421781.000
Northing: 5018487.000
Location Accuracy:
Orig. Ground Elevation: 115.800003 ft
Elev. Reliability Note:
DEM Ground Elevation: 119 ft
Total Depth: 32 ft
Primary Name:
Township:
Concession:
Lot:
Municipality
Completion Date: Jun-1964
Static Water Level: 25
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth	Bottom Depth	Stratum Desc
218383888	0 ft	1.200000 ft	SOIL.
218383889	1.200000 ft	32 ft	LIMESTONE. GREY. . 0073T 298.0 FEET.BEDROCK,GRANITE. BEDROCK. SEISMIC VELOCITY =

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-3			609708	Borehole	

Status:
Drill Method:
UTM Zone: 18
Easting: 421851.000
Northing: 5018392.000
Location Accuracy:
Orig. Ground Elevation: 115.800003 ft
Elev. Reliability Note:
DEM Ground Elevation: 120.099998 ft
Total Depth: 36.900002 ft
Primary Name:
Township:
Concession:
Lot:
Municipality
Completion Date: Jul-1969
Static Water Level: 25
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth	Bottom Depth	Stratum Desc
218383884	0 ft	2.700000 ft	SHALE. GREY.
218383885	2.700000 ft	36.900002 ft	LIMESTONE. GREY. 00073T 298.0 FEET.BEDROCK,GRANITE. BEDROCK. SEISMIC VELOCITY = 12400.

Environmental Registry

Map Key	Company	Address	Year	EBR Registry No.	Ministry Ref. No.	Type
EBR-1	Senstar-Stellar Corporation	119 John Cavanaugh Road Ottawa K0A 1L0	2003	IA03E0837	3136-5N7LN2	Instrument Decision

Instrument Type: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9
Proposal Date: 6/10/03
Location: 119 John Cavanaugh Road Ottawa Ontario K0A 1L0
Proponent Address: 119 John Cavanaugh Road Carp Ontario K0A 1L0

ERIS Historical Searches

Map Key	Company	Address	Order No.	Report Date	Report Type	Search Radius (km)
EHS-1		126 John Cavanaugh Drive Carp (Ottawa)	20050715017	7/26/2005	Basic Report	0.25
			Addit. Info Ordered:			

Fuel Storage Tank

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
n/a	WEEDMARK SERVICE CENTRE DIV OF 587920 ONTARIO LTD	LOT 11 CON 2 HWY 5 HUNTLEY TWP	9/27/2002	Licensed	August 2007	Retail Fuel Outlet	Gasoline Station - Full Serve

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	22700	1990		Liquid Fuel Single Wall UST - Gasoline
Active	22700	1990		Liquid Fuel Single Wall UST - Gasoline

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
n/a	WEEDMARK SERVICE CENTRE DIV OF 587920 ONTARIO LTD	LOT 11 CON 2 HWY 5 HUNTLEY TWP	9/27/2002	Licensed	December 2008	Retail Fuel Outlet	Gasoline Station - Full Serve

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	22700	1990		Liquid Fuel Single Wall UST - Gasoline
Active	22700	1990		Liquid Fuel Single Wall UST - Gasoline

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
n/a	WEEDMARK SERVICE CENTRE DIV OF 587920 ONTARIO LTD	LOT 11 CON 2 HWY 5 HUNTLEY TWP P3A 1W3			January 2010	Retail Fuel Outlet	FS GASOLINE STATION - FULL SERVE

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	22700	1990	Sacrificial anode	Liquid Fuel Single Wall UST - Gasoline

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-1	CAMCOR INDUSTRIES	128 JOHN CAVANAGH ROAD CARP K0A 1L0			112	ACID WASTE - HEAVY METALS
			Generator #:	ON2514000	251	OIL SKIMMINGS & SLUDGES
			Approval Yrs:	02	252	WASTE OILS & LUBRICANTS
					253	EMULSIFIED OILS
GEN-2	CAMCOR INDUSTRIES	129 JOHN CAUAWAGH ROAD CARP K0A 1L0	3081	MACHINE SHOP IND.	251	OIL SKIMMINGS & SLUDGES
			Generator #:	ON2514000	253	EMULSIFIED OILS
			Approval Yrs:	99		
GEN-3	T.A. Morrison & Co.	129 John Cavanaugh Carp K0A 1L0	325210	Resin and Synthetic Rubber Manufacturing	212	ALIPHATIC SOLVENTS
			Generator #:	ON8124297	148	INORGANIC LABORATORY CHEMICALS
			Approval Yrs:	06,07,08	232	POLYMERIC RESINS
					252	WASTE OILS & LUBRICANTS
					331	WASTE COMPRESSED GASES
GEN-4	T.A. Morrison & Co.	129 John Cavanaugh Carp K0A 1L0			148	Misc. wastes and inorganic chemicals
			Generator #:	ON8124297	212	Aliphatic solvents and residues
			Approval Yrs:	As of June 2009	232	Polymeric resins
					252	Waste crankcase oils and lubricants
					331	Waste compressed gases including cylinders
GEN-5	CAMCOR INDUSTRIES	129 JOHN CAVANAGH ROAD CARP K0A 1L0	3081	MACHINE SHOP IND.	112	ACID WASTE - HEAVY METALS
			Generator #:	ON2514000	251	OIL SKIMMINGS & SLUDGES
			Approval Yrs:	00,01,03,04,05,06,07,08	252	WASTE OILS & LUBRICANTS
					253	EMULSIFIED OILS
					212	ALIPHATIC SOLVENTS
GEN-6	SENSTAR CORPORATION	PRI-TEC INDUSTRIAL PARK R.R. #5 CARP	3359	OTHER COMMUN. & ELE.	241	HALOGENATED SOLVENTS
			Generator #:	ON0536800		
			Approval Yrs:	92,93,97,98,99,00		

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-7	MOSAID TECHNOLOGIES INCORPORATED	2171 MCGEE SIDE ROAD TWP. OF WEST CARLETON	3361	ELECT. COMP. & PERI.	212	ALIPHATIC SOLVENTS
			Generator #:	ON2104400	264	PHOTOPROCESSING WASTES
			Approval Yrs:	96,97,98		
GEN-8	Camcor Industries Ltd.	2171 McGee Side Road Carp K0A 1L0	332710	Machine Shops	212	ALIPHATIC SOLVENTS
			Generator #:	ON8436660	253	EMULSIFIED OILS
			Approval Yrs:	05,07,08		
GEN-9	Camcor Industries Ltd.	2171 McGee Side Road Carp K0A 1L0	333299	All Other Industrial Machinery Manufacturing	253	EMULSIFIED OILS
			Generator #:	ON6420316		
			Approval Yrs:	06		
GEN-10	Camcor Industries Ltd.	2171 McGee Side Road Carp K0A 1L0			212	Aliphatic solvents and residues
			Generator #:	ON8436660	253	Emulsified oils
			Approval Yrs:	As of June 2009		
GEN-11	PATHFINDER MAPS	112 JOHN CAVANAGH ROAD CARP	2819	OTHER COMM. PRINTING	264	PHOTOPROCESSING WASTES
			Generator #:	ON0935101		
			Approval Yrs:	95,96,97,98,99,00,01		

Private and Retail Fuel Storage Tanks

Map Key	Company	Address	Location ID	Type	Expiry Date	Capacity (L)	Licence #	Facility Description
n/a	MEL HILL	LOT 12 CON 2 WEST CARLETON	16691	private		13638.00	0001068364	PRIVATE FUEL OUTLET

Scott's Manufacturing Directory

Map Key	Company	Address	Established	Plant Size (ft^2)	Employment	SIC/NAICS Code	Description
SCT-1	Camcor Industries Ltd.	129 John Cavanaugh Rd Carp K0A 1L0	1992	6000	25	332710	Machine Shops
SCT-2	Senstar	119 John Cavanaugh Rd Carp K0A 1L0	4/1/1981	25000		334290	Other Communications Equipment Manufacturing
						334512	Measuring, Medical and Controlling Devices Manufacturing
SCT-3	SENSTAR CORPORATION	W CARLETON REG RD 5 PRI-TEC INDUSTRIAL PK CARP K2K 1X5	1981	25000	65	3669	COMMUNICATIONS EQUIPMENT, N.E.C.
						3829	MEASURING & CONTROLLING DEVICES, N.E.C.
SCT-4	SENSTAR CORPORATION	119 JOHN CAVANISH RD, CARLETON PRI-TEC INDUSTRIAL PK CARP K0A 1L0	1981	25000	65	3669	COMMUNICATIONS EQUIPMENT, NOT ELSEWHERE CLASSIFIED
						3829	MEASURING AND CONTROLLING DEVICES, NOT ELSEWHERE CLASSIFIED
SCT-5	Camcor Industries Ltd.	2171 McGee Side Rd Carp K0A 1L0	9/1/1992	10000		332710	Machine Shops
						332710	Machine Shops
SCT-6	MOSAID SYSTEMS INC	2171 MCGEE SIDE RD CARP K0A 1L0	1975	22000	133	3577	COMPUTER PERIPHERAL EQUIPMENT, NOT ELSEWHERE CLASSIFIED
						3695	MAGNETIC AND OPTICAL RECORDING MEDIA
						3825	INSTRUMENTS FOR MEASURING AND TESTING OF ELECTRICITY AND ELECTRICAL SIGNALS
						334410	Semiconductor and Other Electronic Component Manufacturing
SCT-7	AAI Canada Inc.	112 John Cavanaugh Rd Carp K0A 1L0	1/1/1983			541710	Research and Development in the Physical, Engineering and Life Sciences
						333519	Other Metalworking Machinery Manufacturing

Scott's Manufacturing Directory

Map Key	Company	Address	Established	Plant Size (ft^2)	Employment	SIC/NAICS Code	Description
SCT-8	PATHFINDER MAPS	112 JOHN CAVANAGH RD RR 2 CARP K0A 1L0	1959	3300	4	2741 511190	MISCELLANEOUS PUBLISHING Other Publishers

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-1		lot 11 con 2 HUNTLEY TOWNSHIP	1523225	011	02	CON	OTTAWA-CARLETON	HUNTLEY TOWNSHIP

Easting Nad83: 422110.6
Northing Nad83: 5018993
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 6/10/1988
Primary Water Use: Domestic
Secondary Water Use:
Well Depth (ft): 169
Pump Rate (gpm): 18
Static Water Level (ft): 48
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Rotary (Convent.)
Flowing (y/n): N
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: STEEL

Thickness (ft)	Original Depth (ft)	Material Colour	Material
40	40	GREY	CLAY, HARD
50	90	BLUE	CLAY, SOFT
65	155	GREY	CLAY, SAND, LAYERED
14	169	BROWN	GRAVEL, PACKED

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-2		lot 11 con 2 HUNTLEY TOWNSHIP	1528925	011	02	CON	OTTAWA-CARLETON	HUNTLEY TOWNSHIP

Easting Nad83: 422110.6
Northing Nad83: 5018993
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 9/12/1995
Primary Water Use: Domestic
Secondary Water Use:
Well Depth (ft):
Pump Rate (gpm): 4
Static Water Level (ft): 20
Flow Rate (gpm): 0
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Other Method
Flowing (y/n): N
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft):
Overburden/Bedrock:
Water Type: FRESH
Casing Material: OPEN HOLE

Thickness (ft)	Original Depth (ft)	Material Colour	Material

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-3		lot 11 con 2 HUNTLEY TOWNSHIP	1531962	011	02	CON	OTTAWA-CARLETON	HUNTLEY TOWNSHIP

Easting Nad83: 422107.2
Northing Nad83: 5018994
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 3/16/2001
Primary Water Use: Domestic
Secondary Water Use:
Well Depth (ft): 81
Pump Rate (gpm): 22
Static Water Level (ft): 8
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Air Precussion
Flowing (y/n): N
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 1
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Thickness (ft)	Original Depth (ft)	Material Colour	Material
1	1		CLAY
80	81	GREY	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-4		lot 11 con 2 HUNTLEY TOWNSHIP	1514247	011	02	CON	OTTAWA-CARLETON	HUNTLEY TOWNSHIP

Easting Nad83: 421942.5
Northing Nad83: 5018748
Zone: 18
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 7/8/1974
Primary Water Use: Domestic
Secondary Water Use:
Well Depth (ft): 62
Pump Rate (gpm): 30
Static Water Level (ft): 25
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 2
Final Well Status: Water Supply
Construction Method: Air Precussion
Flowing (y/n): N
Elevation (ft): 364
Elevation Reliability: Read from topographic map, contour interval - 10 ft
Depth to Bedrock (ft): 30
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Thickness (ft)	Original Depth (ft)	Material Colour	Material
6	6	BROWN	CLAY, SAND, PACKED
24	30	GREY	HARDPAN, BOULDERS, HARDPAN
3	33	GREY	LIMESTONE, FRACTURED
29	62	GREY	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-5		lot 11 con 2 HUNTLEY TOWNSHIP	1517781	011	02	CON	OTTAWA-CARLETON	HUNTLEY TOWNSHIP

Easting Nad83: 421929.5
Northing Nad83: 5018521
Zone: 18
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 9/30/1981
Primary Water Use: Domestic
Secondary Water Use:
Well Depth (ft): 298
Pump Rate (gpm): 5
Static Water Level (ft): 20
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0
Final Well Status: Water Supply
Construction Method: Air Precussion
Flowing (y/n): N
Elevation (ft): 370
Elevation Reliability: Read from topographic map, contour interval - 10 ft
Depth to Bedrock (ft): 15
Overburden/Bedrock: Bedrock
Water Type: SULPHUR
Casing Material: OPEN HOLE

Thickness (ft)	Original Depth (ft)	Material Colour	Material
15	15	BROWN	SAND, BOULDERS
235	250	GREY	LIMESTONE
48	298	BLACK	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-6		lot 11 con 2 HUNTLEY TOWNSHIP	1510501	011	02	CON	OTTAWA-CARLETON	HUNTLEY TOWNSHIP

Easting Nad83: 422590.6
Northing Nad83: 5019102
Zone: 18
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 5/5/1969
Primary Water Use: Livestock
Secondary Water Use: Domestic
Well Depth (ft): 506
Pump Rate (gpm): 4
Static Water Level (ft): 15
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (ft): 365
Elevation Reliability: Read from topographic map, contour interval - 25 ft
Depth to Bedrock (ft): 0
Overburden/Bedrock: Bedrock
Water Type: Not stated
Casing Material: STEEL

Thickness (ft)	Original Depth (ft)	Material Colour	Material
4	4		HARDPAN, SHALE
502	506	GREY	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-7		lot 11 con 2 HUNTLEY TOWNSHIP	1523034	011	02		OTTAWA-CARLETON	HUNTLEY TOWNSHIP

Easting Nad83: 421725.5
Northing Nad83: 5018881
Zone: 18
Utm Reliability: margin of error : 3 km - 10 km
Construction Date: 11/3/1988
Primary Water Use: Domestic
Secondary Water Use:
Well Depth (ft): 160
Pump Rate (gpm): 7
Static Water Level (ft): 15
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 19
Overburden/Bedrock: Bedrock
Water Type: Not stated
Casing Material: OPEN HOLE

Thickness (ft)	Original Depth (ft)	Material Colour	Material
70	160	GREY	LIMESTONE, SHALE, POROUS
19	19	BROWN	SAND, BOULDERS, PACKED
71	90	GREY	LIMESTONE, HARD

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-8		lot 11 con 2 HUNTLEY TOWNSHIP	7050820	011	02	CON	OTTAWA-CARLETON	HUNTLEY TOWNSHIP

Easting Nad83: 421921
Northing Nad83: 5018437
Zone: 18
Utm Reliability: margin of error : 10 - 30 m
Construction Date: 8/31/2007
Primary Water Use: Domestic
Secondary Water Use:
Well Depth (ft): 499.9672076
Pump Rate (gpm): 26.5
Static Water Level (ft): 5.75
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Air Precussion
Flowing (y/n):
Elevation (ft):
Elevation Reliability:
Depth to Bedrock (ft):
Overburden/Bedrock:
Water Type:
Casing Material: STEEL

Thickness (ft)	Original Depth (ft)	Material Colour	Material
14.0091868	14.0091868		SAND, GRAVEL
485.9580208	499.9672076	GREY	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-9		lot 10 con 2 HUNTLEY TOWNSHIP	1517377	010	02	CON	OTTAWA-CARLETON	HUNTLEY TOWNSHIP

Easting Nad83: 421929.5
Northing Nad83: 5018421
Zone: 18
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 10/30/1980
Primary Water Use: Domestic
Secondary Water Use:
Well Depth (ft): 84
Pump Rate (gpm): 4
Static Water Level (ft): 25
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity: 0.1
Final Well Status: Water Supply
Construction Method: Air Precussion
Flowing (y/n): N
Elevation (ft): 280
Elevation Reliability: Read from topographic map, contour interval - 10 ft
Depth to Bedrock (ft): 12
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Thickness (ft)	Original Depth (ft)	Material Colour	Material
12	12	GREY	CLAY, STONES
72	84	GREY	LIMESTONE, SHALY

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-10		lot 11 con 2 HUNTLEY TOWNSHIP	1503070	011	02	CON	OTTAWA-CARLETON	HUNTLEY TOWNSHIP

Easting Nad83: 421780.5
Northing Nad83: 5018487
Zone: 18
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 6/5/1964
Primary Water Use: Domestic
Secondary Water Use:
Well Depth (ft): 105
Pump Rate (gpm): 8
Static Water Level (ft): 20
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0.1
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (ft): 380
Elevation Reliability: Read from topographic map, contour interval - 10 ft
Depth to Bedrock (ft): 4
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Thickness (ft)	Original Depth (ft)	Material Colour	Material
4	4		TOPSOIL
101	105	GREY	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-11		lot 11 con 2 HUNTLEY TOWNSHIP	1510511	011	02	CON	OTTAWA-CARLETON	HUNTLEY TOWNSHIP

Easting Nad83: 421850.5
Northing Nad83: 5018392
Zone: 18
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 7/24/1969
Primary Water Use: Domestic
Secondary Water Use:
Well Depth (ft): 121
Pump Rate (gpm): 10
Static Water Level (ft): 21
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0.2
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (ft): 380
Elevation Reliability: Read from topographic map, contour interval - 25 ft
Depth to Bedrock (ft): 0
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Thickness (ft)	Original Depth (ft)	Material Colour	Material
9	9	GREY	SHALE
112	121	GREY	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-12		lot 11 con 2 HUNTLEY TOWNSHIP	1516579	011	02	CON	OTTAWA-CARLETON	HUNTLEY TOWNSHIP

Easting Nad83: 421730.5
Northing Nad83: 5018522
Zone: 18
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 6/27/1978
Primary Water Use:
Secondary Water Use:
Well Depth (ft): 64
Pump Rate (gpm): 6
Static Water Level (ft): 20
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity: 0.2
Final Well Status: Water Supply
Construction Method: Air Precussion
Flowing (y/n): N
Elevation (ft): 385
Elevation Reliability: Read from topographic map, contour interval - 25 ft
Depth to Bedrock (ft): 10
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Thickness (ft)	Original Depth (ft)	Material Colour	Material
10	10	GREY	HARDPAN, GRAVEL
32	42	GREY	SHALE, GRAVEL
22	64	GREY	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-13		lot 11 con 2 HUNTLEY TOWNSHIP	1512382	011	02	CON	OTTAWA-CARLETON	HUNTLEY TOWNSHIP

Easting Nad83: 421670.5
Northing Nad83: 5018532
Zone: 18
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 9/18/1968
Primary Water Use: Domestic
Secondary Water Use:
Well Depth (ft): 129
Pump Rate (gpm): 6
Static Water Level (ft): 10
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0.1
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (ft): 395
Elevation Reliability: Read from topographic map, contour interval - 25 ft
Depth to Bedrock (ft): 0
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Thickness (ft)	Original Depth (ft)	Material Colour	Material
10	10		SHALE
119	129	GREY	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-14		lot 12 con 2 OTTAWA CITY	7049976	012	02		OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83: 421372
Northing Nad83: 5018928
Zone: 18
Utm Reliability: margin of error : 10 - 30 m
Construction Date: 5/24/2007
Primary Water Use:
Secondary Water Use:
Well Depth (ft):
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status:
Construction Method: Other Method
Flowing (y/n):
Elevation (ft):
Elevation Reliability:
Depth to Bedrock (ft):
Overburden/Bedrock:
Water Type:
Casing Material:

Thickness (ft)	Original Depth (ft)	Material Colour	Material

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 12 HUNTLEY TOWNSHIP	1519700	012			OTTAWA-CARLETON	HUNTLEY TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 5/27/1985
Primary Water Use: Domestic
Secondary Water Use:
Well Depth (ft): 80
Pump Rate (gpm): 8
Static Water Level (ft): 16
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Air Precussion
Flowing (y/n): N
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 29
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Thickness (ft)	Original Depth (ft)	Material Colour	Material
29	29	GREY	CLAY
16	45	RED	ROCK, FRACTURED
35	80	BLACK	GRANITE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 12 HUNTLEY TOWNSHIP	1521390	012			OTTAWA-CARLETON	HUNTLEY TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 5/15/1987
Primary Water Use: Domestic
Secondary Water Use:
Well Depth (ft): 100
Pump Rate (gpm): 15
Static Water Level (ft): 31
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Air Precussion
Flowing (y/n): N
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 37
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Thickness (ft)	Original Depth (ft)	Material Colour	Material
16	16	BROWN	CLAY, PACKED
15	31	BLUE	CLAY, PACKED
6	37		HARDPAN, PACKED
20	57	GREY	GRANITE, HARD
43	100	RED	GRANITE, QUARTZ, HARD

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 10 HUNTLEY TOWNSHIP	1521604	010			OTTAWA-CARLETON	HUNTLEY TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 3/16/1987
Primary Water Use: Domestic
Secondary Water Use:
Well Depth (ft): 125
Pump Rate (gpm): 8
Static Water Level (ft): 20
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Air Precussion
Flowing (y/n): N
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 6
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Thickness (ft)	Original Depth (ft)	Material Colour	Material
6	6	GREY	SAND
119	125	GREY	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 11 HUNTLEY TOWNSHIP	1521928	011			OTTAWA-CARLETON	HUNTLEY TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 10/21/1987
Primary Water Use: Domestic
Secondary Water Use:
Well Depth (ft): 145
Pump Rate (gpm): 25
Static Water Level (ft): 55
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Rotary (Air)
Flowing (y/n): N
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: STEEL

Thickness (ft)	Original Depth (ft)	Material Colour	Material
11	11	BROWN	SAND, CLAY, PACKED
45	56	GREY	CLAY
74	130	BROWN	SILT, CLAY, PACKED
10	140	BROWN	SAND, COARSE SAND
5	145	BROWN	SAND, GRAVEL, COARSE GRAVEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 11 HUNTLEY TOWNSHIP	1525272	011			OTTAWA-CARLETON	HUNTLEY TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 12/11/1990
Primary Water Use: Domestic
Secondary Water Use:
Well Depth (ft): 240
Pump Rate (gpm): 5
Static Water Level (ft): 20
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Air Precussion
Flowing (y/n): N
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 5
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Thickness (ft)	Original Depth (ft)	Material Colour	Material
5	5		TOPSOIL
235	240	GREY	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 11 HUNTLEY TOWNSHIP	1527846	011			OTTAWA-CARLETON	HUNTLEY TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 6/25/1993
Primary Water Use: Domestic
Secondary Water Use:
Well Depth (ft): 150
Pump Rate (gpm): 40
Static Water Level (ft): 10
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Air Precussion
Flowing (y/n): N
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 26
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Thickness (ft)	Original Depth (ft)	Material Colour	Material
5	5		FILL, PACKED
5	10	BROWN	FINE SAND, COARSE SAND
8	18	BLACK	TILL, PACKED, GRAVEL
8	26	BLACK	HARDPAN, PACKED
89	115	GREY	LIMESTONE, LIMESTONE, HARD
35	150	GREY	LIMESTONE, QUARTZ, HARD

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 10 HUNTLEY TOWNSHIP	1527848	010			OTTAWA-CARLETON	HUNTLEY TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 6/25/1993
Primary Water Use: Domestic
Secondary Water Use:
Well Depth (ft): 97
Pump Rate (gpm): 4
Static Water Level (ft): 4
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Air Precussion
Flowing (y/n): N
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 9
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Thickness (ft)	Original Depth (ft)	Material Colour	Material
2	2		FILL
2	4	BROWN	SAND, STONES, LOOSE
5	9	BLACK	TILL, CLAY, GRAVEL
88	97	GREY	LIMESTONE, HARD

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 12 HUNTLEY TOWNSHIP	1527943	012			OTTAWA-CARLETON	HUNTLEY TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 5/11/1994
Primary Water Use: Domestic
Secondary Water Use:
Well Depth (ft): 200
Pump Rate (gpm): 25
Static Water Level (ft): 0
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 22
Overburden/Bedrock: Bedrock
Water Type: SULPHUR
Casing Material: OPEN HOLE

Thickness (ft)	Original Depth (ft)	Material Colour	Material
9	9	BLACK	TOPSOIL, LOOSE, FILL
11	20	GREY	CLAY, PACKED
2	22	GREY	SAND, BOULDERS, LOOSE
98	120	GREY	LIMESTONE, HARD
80	200	GREY	LIMESTONE, SHALE, POROUS

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 12 HUNTLEY TOWNSHIP	1528590	012			OTTAWA-CARLETON	HUNTLEY TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 11/14/1994
Primary Water Use: Domestic
Secondary Water Use:
Well Depth (ft): 150
Pump Rate (gpm): 10
Static Water Level (ft): 15
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Air Precussion
Flowing (y/n): N
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 25
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Thickness (ft)	Original Depth (ft)	Material Colour	Material
12	12	BROWN	CLAY, PACKED
7	19	BROWN	FINE SAND
6	25	GREY	CLAY, SILTY, FINE-GRAINED
125	150	GREY	LIMESTONE, QUARTZ, LAYERED

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 11 HUNTLEY TOWNSHIP	1528591	011			OTTAWA-CARLETON	HUNTLEY TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 4/16/1994
Primary Water Use: Domestic
Secondary Water Use:
Well Depth (ft): 145
Pump Rate (gpm): 12
Static Water Level (ft): 15
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Air Precussion
Flowing (y/n): N
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 9
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Thickness (ft)	Original Depth (ft)	Material Colour	Material
9	9	BROWN	SAND
81	90	GREY	LIMESTONE, HARD
55	145	GREY	LIMESTONE, HARD

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 11 HUNTLEY TOWNSHIP	1528771	011			OTTAWA-CARLETON	HUNTLEY TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/21/1995
Primary Water Use: Domestic
Secondary Water Use:
Well Depth (ft): 120
Pump Rate (gpm): 20
Static Water Level (ft): 16
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Air Precussion
Flowing (y/n): N
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 27
Overburden/Bedrock: Bedrock
Water Type: Not stated
Casing Material: STEEL

Thickness (ft)	Original Depth (ft)	Material Colour	Material
11	11	GREY	SAND
16	27	BLUE	CLAY, BOULDERS
93	120	GREY	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 12 HUNTLEY TOWNSHIP	1532818	012			OTTAWA-CARLETON	HUNTLEY TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 4/2/2002
Primary Water Use: Domestic
Secondary Water Use:
Well Depth (ft): 300
Pump Rate (gpm): 5
Static Water Level (ft): 4
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Air Precussion
Flowing (y/n): N
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 7
Overburden/Bedrock: Bedrock
Water Type: Not stated
Casing Material: STEEL

Thickness (ft)	Original Depth (ft)	Material Colour	Material
7	7	BLACK	SAND, GRAVEL, WATER-BEARING
173	180	GREY	LIMESTONE, HARD
10	190	RED	LIMESTONE, SOFT
90	280	GREEN	LIMESTONE, HARD
20	300	WHITE	SANDSTONE, SOFT

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 12 HUNTLEY TOWNSHIP	1533518	012			OTTAWA-CARLETON	HUNTLEY TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 12/17/2002
Primary Water Use: Domestic
Secondary Water Use:
Well Depth (ft): 273
Pump Rate (gpm): 4
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Air Precussion
Flowing (y/n): N
Elevation (ft):
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 2
Overburden/Bedrock: Bedrock
Water Type: Not stated
Casing Material: OPEN HOLE

Thickness (ft)	Original Depth (ft)	Material Colour	Material
2	2	BROWN	TOPSOIL
6	8	WHITE	GRANITE, FRACTURED
265	273	GREY	GRANITE, LAYERED

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.

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 Mar 2008** **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.

Borehole **1875-Jul 2009** **BORE**

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

Certificates of Approval **1985-Sept 2002* (for current CofA info please check the EBR Database)** **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. For more current Certificate of Approval information please see the EBR database, which will include information such as 'Approval for discharge into the natural environment other than water (i.e. Air) (EPA s.9)', and Approval for sewage works (OWRA s.53(1)).

TSSA Commercial Fuel Oil Tanks **1948-2009** **CFOT**

Since May 2002, Ontario developed a new act where it became mandatory for fuel oil tanks to be registered with Technical Standards & Safety Authority (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.

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 **1989-2009** **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 **1994-2009** **EBR**

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, licence, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes things like; Approval for discharge into the natural environment other than water (i.e. Air), Permit to Take Water (PTTW), Certificate of Property Use (CPU), Approval for a waste disposal site, Order for preventative measures.(EPA s. 18), Order for conformity with Act for waste disposal sites.(EPA s. 44), Order for remedial work.(EPA s. 17) and many more.

TSSA Fuel Storage Tanks **Current to Jan 2010** **FST**

The Technical Standards & Safety Authority (TSSA), under the *Technical Standards & Safety Act* of 2000 maintains a database of registered private and retail fuel storage tanks in Ontario with fields such as location, tank status, license date, tank type, tank capacity, fuel type, installation year and facility type.

Ontario Regulation 347 Waste Generators Summary **1986-Jun 2009** **GEN**

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Mineral Occurrences **1846-Oct 2009** **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), 1994-2008** **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-Aug 2009** **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.

Pesticide Register **1988-Nov 2008** **PES**

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

Private and Retail Fuel Storage Tanks **1989-1996*** **PRT**

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

Ontario Regulation 347 Waste Receivers Summary **1986-2008** **REC**

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

Record of Site Condition **1997-Sept 2001, Oct 2004-2009** **RSC**

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use, such as residential, proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up. Information available includes Registration Number, Filing Owner, Property Address, Filing Date and Municipality.

Ontario Spills **1988-2008** **SPL**

This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Wastewater Discharger Registration Database **1990-2008** **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. For more current information for Waste Disposal Sites please see the EBR database, which will include information such as 'Approval for a waste disposal site (EPA s.27)' and 'Approval for use of a former waste disposal site (EPA s.46)'.

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-May 2009** **WWIS**

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Federal Government Source Databases: Diagram Identifier:

Environmental Effects Monitoring **1992-2007*** **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-Jun 2007** **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-Jan 2010** **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. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

National Defence & Canadian Forces Spills **Mar 1999-Jul 2009** **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-April 2007** **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 1993-2008 **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-March 2007 **TCFT**

With the provinces of BC, MB, NB, NF, ON, PE, and QC; Transport Canada currently owns and operates 90 fuel storage tanks. This inventory will also include The Pickering Lands, which refers to the 7,530 hectares (18,600 acres) of land in Pickering, Markham and Uxbridge - owned by the Government of Canada since 1972. Properties on this land has been leased by the government since 1975, falls under the Site Management Policy of Transport Canada, but administered by Public Works and Government Services Canada. Our inventory provides information on the site name, location, tank age, capacity and fuel type.

Private Source Databases:

Anderson's Waste Disposal Sites 1860s-Present **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 2009 **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.

Chemical Register 1992, 1999-Feb 2009 **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-Oct 2009 **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 1998-2009 **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 2001-2009 **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, 2009 **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 2000-Feb 2009 **RST**

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

Scott's Manufacturing Directory 1992-Sept 2009 **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 F

TECHNICAL STANDARDS AND SAFETY AUTHORITY

SEARCH RESULTS

Chris McDonald

From: <publicinformationservices@tssa.org>
To: <cmcdonald@hceng.ca>
Sent: Monday, February 22, 2010 7:54 AM
Subject: Re: Fw: Search of Ust and Incedent Reports

Hi Chris :

Thank you for your inquiry.

We have no record in our database of any fuel storage tanks at the subject address (addresses).

For a further search in our archives please submit your request in writing to Public Information Services via e-mail (publicinformationservices@tssa.org) or through mail along with a fee of $52.50 (including GST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

Thank you & Have a Great Day!

Prem

Coordinator Public Information Services
"Putting Public Safety First"

Technical Standards and Safety Authority
3300 Bloor Street West, 14th Floor Centre Tower
Toronto, ON M8X 2X4

Ph: 416-734-2700
Fax: 416-231-1626
Toll-Free: 1-877-682-8772
Email: publicinformationservices@tssa.org
Web Site: www.tssa.org

Luisa Armstrong/TSSA

02/20/2010 08:05 PM

To Public Information Services/TSSA@TSSA
cc
Subject Fw: Search of Ust and Incedent Reports

Luisa Armstrong
Director, Customer Services
Technical Standards & Safety Authority
"Putting Public Safety First"

Direct: (416) 734-3503
or (888) 734-5720 ext 3503
larmstrong@tssa.org

----- Forwarded by Luisa Armstrong/TSSA on 02/20/2010 08:05 PM -----

"Chris McDonald" <cmcdonald@hceng.ca>

02/18/2010 11:59 AM

Please respond to "Chris McDonald" <cmcdonald@hceng.ca>

To <customerservices@tssa.org>
cc
Subject Search of Ust and Incedent Reports

Hello
I would like to request a search of UST and incedent reports at the following addresses:

124 John Cavanaugh Boulevard
2037, 2171, 2036 and 1963 McGee Side Road
3060 Carp Road
all in Ottawa Ontario

Chris McDonald, B.Sc.
Environmental Scientist

Houle Chevrier Engineering Ltd.
180 Wescar Lane, R.R. 2
Carp, ON
K0A 1L0
Tel.: (613) 836-1422 Ext 259
Fax.: (613) 836-9731
cmcdonald@hceng.ca
www.hceng.ca

APPENDIX G
CITY DIRECTORIES

City Directory Information Source
Vernon's Ottawa Gatineau City Directory

PROJECT NUMBER: 20100217018	
Site Address:	2037 McGee Side Road, Carp, Ontario
Year: 2009/10	
Site Listing:	-Highland Park Cemetery
Adjacent Properties:	
1963 McGee Side Road	-Res (1 tenant)
2036 McGee Side Road	-Address Not Listed
2171 McGee Side Road	-MBX -Camcor Industries Ltd
3060 Carp Road	-Res (1 tenant) (3070-Weedmark Service Centre)
124 John Cavanaugh Boulevard	-Address Not Listed

PROJECT NUMBER: 20100217018	
Site Address:	2037 McGee Side Road, Carp, Ontario
Year: 2004/05	
Site Listing:	-Address Not Listed
Adjacent Properties:	
1963 McGee Side Road	-Res (1 tenant)

2036 McGee Side Road	-Address Not Listed
2171 McGee Side Road	-Units -Terra Nova Engineeting -Sayers & Associates Ltd -Laflamme Air Filter Mfg -Terra Nova Machining Co.
3060 Carp Road	-Res (1 tenant) (3070-Weedmark Service Centre)
124 John Cavanaugh Boulevard	-Address Not Listed

PROJECT NUMBER: 20100217018	
Site Address:	2037 McGee Side Road, Carp, Ontario
Year: 1999/00	
Site Listing:	-Address Not Listed
Adjacent Properties:	
1963 McGee Side Road	-Address Not Listed
2036 McGee Side Road	-Address Not Listed
2171 McGee Side Road	-Life Safety Systems -Sayers & Assoc. Ltd -Laflamme Air Filter Mfg
3060 Carp Road	-Res (1 tenant) (3070-Weedmark Service Centre)
124 John Cavanaugh Boulevard	-Address Not Listed

PROJECT NUMBER: 20100217018	
Site Address:	2037 McGee Side Road, Carp, Ontario
Year: 1996/97	
Site Listing:	-Address Not Listed
Adjacent Properties:	
1963 McGee Side Road	-Address Not Listed
2036 McGee Side Road	-Address Not Listed
2171 McGee Side Road	-Mosaid Incorporated
3060 Carp Road	-Res (1 tenant) (3070-Weedmark Service Centre)
124 John Cavanaugh Boulevard	-Address Not Listed

PROJECT NUMBER: 20100217018	
Site Address:	2037 McGee Side Road, Carp, Ontario
Year: 1992	
Site Listing:	-Address Not Listed
Adjacent Properties:	
1963 McGee Side Road	-Address Not Listed
2036 McGee Side Road	-Address Not Listed
2171 McGee Side Road	-Mosaid Incorporated

3060 Carp Road	-Res (1 tenant) (3070-Weedmark Service Centre)
124 John Cavanaugh Boulevard	-Address Not Listed

-All listings for businesses were listed as they are in the city directory.
-Listings that are residential are listed as "residential" with the number of tenants. The name of the residential tenant is not listed in the above city directory

Carp, Ontario is listed from 1992 to 2009/10 within the city directory archives*