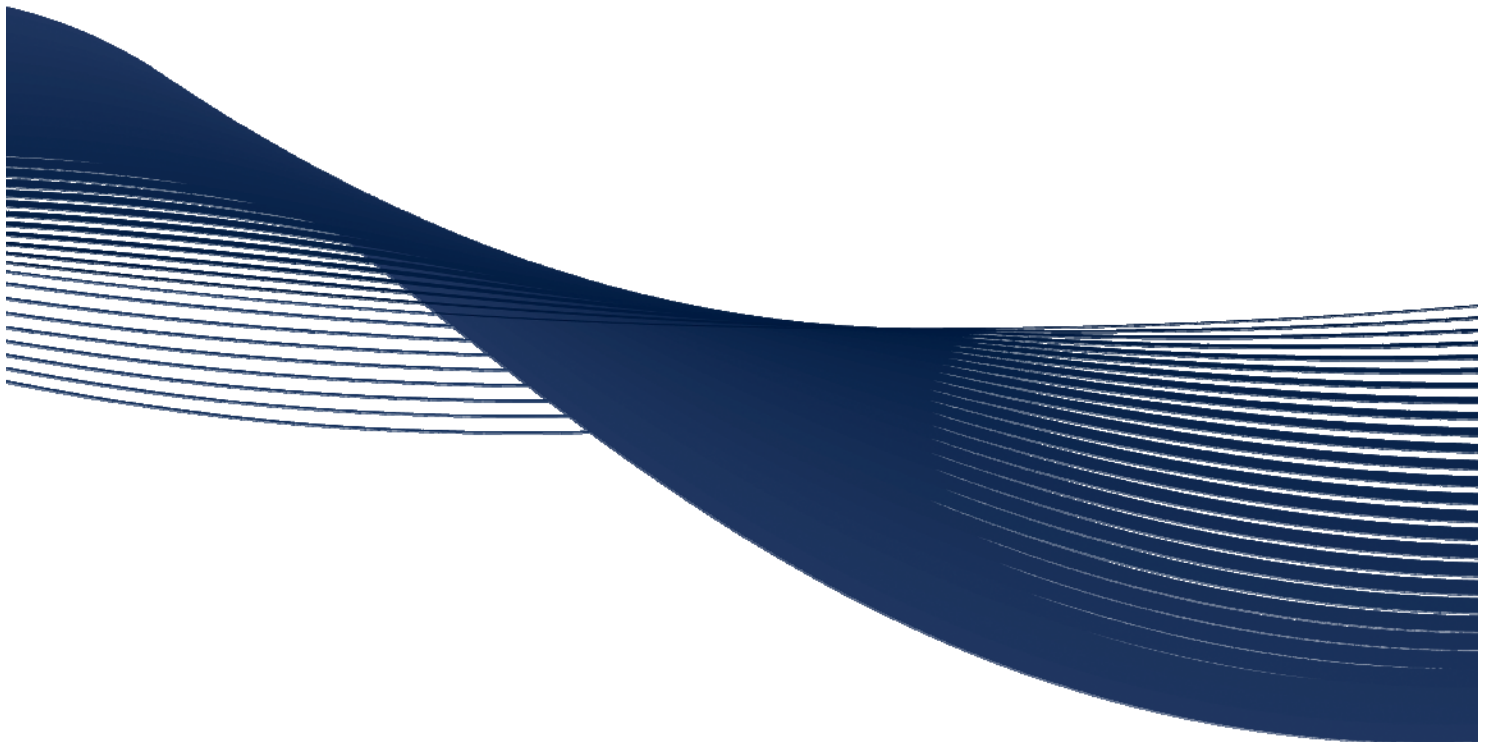


# MARIANNEVILLE DEVELOPMENTS LTD.

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Estates of Glenway, Town of Newmarket

Project No.: L09-301



NOVEMBER 2013

## COLE ENGINEERING GROUP LTD.

HEAD OFFICE

70 Valleywood Drive  
Markham, ON CANADA L3R 4T5

T. 905.940.6161 | 416.987.6161

F. 905.940.2064 | [www.ColeEngineering.ca](http://www.ColeEngineering.ca)

GTA WEST OFFICE

150 Courtneypark Drive West, Unit C100  
Mississauga, ON CANADA L5W 1Y6

T. 905.364.6161

F. 905.364.6162

November 22, 2013

Our Ref: L09-301

Marianneville Developments Limited  
c/o The Kerbel Group Inc.  
26 Lesmill Road, Unit 3  
Toronto, ON M3B 2T5

**Attention: Ms. Joanne Barnett**

Dear Ms. Barnett:

**Re: Phase I Environmental Site Assessment  
470 Crossland Gate, Newmarket, Ontario**

Cole Engineering Group Ltd. has completed the Phase I Environmental Site Assessment at the above mentioned property. A summary of the search results and all work undertaken are documented in the accompanying report.

We thank you for the opportunity to undertake this work on your behalf. If you have any questions, please do not hesitate to call our office.

Yours truly,

**COLE ENGINEERING GROUP LTD.**



Tabitha Lee, M.A.Sc., P.Eng.  
Senior Environmental Engineer



Andre Lyn, B.E.S. P.Geo.(Ltd.)  
Environmental Specialist

/ao/ac



**PREPARED BY:**

**COLE ENGINEERING GROUP LTD.**



Andrew O'Connell, B.E.S.  
Environmental Specialist

**CHECKED BY:**

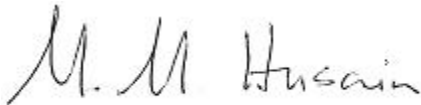
**COLE ENGINEERING GROUP LTD.**



Tabitha Lee, M.A.Sc., P.Eng.  
Project Engineer

**AUTHORIZED FOR ISSUE BY:**

**COLE ENGINEERING GROUP LTD.**



Muin Husain, Ph.D., P. Geo.  
Vice President, Environmental Management

**Issues and Revisions Registry**

Identification	Date	Description of issued and/or revision
Draft Report	March 23, 2012	For client/municipality review
Final Report	November 22, 2013	Final Submission

## **Statement of Conditions**

This Report/Study (the “Work”) has been prepared at the request of, and for the exclusive use of, the Owner/Client, and its affiliates (the “Intended User”). No one other than the Intended User has the right to use and rely on the Work without first obtaining the written authorization of Cole Engineering Group Ltd. and its Owner. Cole Engineering Group Ltd. expressly excludes liability to any party except the intended User for any use of, and/or reliance upon, the work.

Neither possession of the Work, nor a copy of it, carries the right of publication. All copyright in the Work is reserved to Cole Engineering Group Ltd. The Work shall not be disclosed, produced or reproduced, quoted from, or referred to, in whole or in part, or published in any manner, without the express written consent of Cole Engineering Group Ltd. and the Owner.

## Table of Contents

Transmittal Letter  
Table of Contents

<b>1.0</b>	<b>Executive Summary</b> .....	<b>1</b>
<b>2.0</b>	<b>Introduction</b> .....	<b>2</b>
<b>2.1.</b>	<b>Phase One Property Information</b> .....	<b>2</b>
<b>2.2.</b>	<b>Objective</b> .....	<b>3</b>
<b>2.3.</b>	<b>Site Description</b> .....	<b>3</b>
<b>3.0</b>	<b>Scope of Investigation</b> .....	<b>4</b>
<b>3.1.</b>	<b>Background and Records Review</b> .....	<b>4</b>
<b>3.2.</b>	<b>Interview</b> .....	<b>4</b>
<b>3.3.</b>	<b>Site Visit</b> .....	<b>5</b>
<b>3.4.</b>	<b>Evaluation and Interpretation of Information</b> .....	<b>5</b>
<b>4.0</b>	<b>Records Review</b> .....	<b>5</b>
<b>4.1.</b>	<b>General</b> .....	<b>6</b>
4.1.1.	Phase I Study Area Determination .....	6
4.1.2.	First Developed Use Determination.....	6
4.1.3.	Fire Insurance Plans and Inspection Reports .....	6
4.1.4.	Chain of Title .....	6
4.1.5.	City Directory .....	8
4.1.6.	Survey Plan.....	9
4.1.7.	Environmental Reports .....	9
<b>4.2.</b>	<b>Environmental Source Information</b> .....	<b>10</b>
4.2.1.	EcoLog ERIS Report .....	10
4.2.2.	Freedom of Information.....	14
4.2.3.	Fuel Storage Tanks .....	15
<b>4.3.</b>	<b>Physical Setting Sources</b> .....	<b>15</b>
4.3.1.	Aerial Photographs.....	16
4.3.2.	Topography, Hydrology, Geology.....	17
4.3.2.1	Topography.....	17
4.3.2.2	Hydrology.....	17
4.3.2.3	Geology.....	18
4.3.3.	Physiography.....	18
4.3.4.	Fill Materials.....	18
4.3.5.	Water Bodies and Areas of Natural Significance .....	19
4.3.6.	Well Records .....	19
4.3.7.	Site Operating Records .....	19
<b>5.0</b>	<b>Interviews</b> .....	<b>19</b>
<b>6.0</b>	<b>Site Reconnaissance</b> .....	<b>20</b>
<b>6.1.</b>	<b>General Requirements</b> .....	<b>20</b>

6.1.1.	Site Description .....	21
6.1.2.	Adjacent Lands .....	21
<b>6.2.</b>	<b>Specific Observations at the Phase One Property .....</b>	<b>22</b>
6.2.1.	Structures .....	22
6.2.2.	Below-ground Structures .....	23
6.2.3.	Storage Tanks .....	23
6.2.4.	Water Supply .....	23
6.2.5.	Servicing .....	24
6.2.6.	Underground Utilities .....	24
6.2.7.	Heating and Cooling Systems .....	24
6.2.8.	Drains and Sumps .....	24
6.2.9.	Water Bodies .....	24
6.2.10.	Wells .....	24
6.2.11.	Sanitary Servicing .....	24
6.2.12.	Hazardous Materials and Designated Substances .....	25
6.2.13.	Unidentified Substances .....	26
6.2.14.	Hazardous Materials .....	27
6.2.15.	Ground Surface .....	27
6.2.16.	Surface Stains and Stressed Vegetation .....	27
6.2.17.	Railway Lines .....	27
6.2.18.	Fill and Debris .....	27
6.2.19.	Noise and Odour .....	28
6.2.20.	Enhanced Investigation Details .....	28
<b>6.3.</b>	<b>Written Description of Investigation .....</b>	<b>28</b>
<b>7.0</b>	<b>Review and Evaluation of Information .....</b>	<b>28</b>
7.1.	Current and Past Uses .....	28
7.2.	Potential Contaminating Activities .....	29
7.3.	Areas of Potential Environmental Concern .....	29
7.4.	Phase One Conceptual Site Model .....	30
<b>8.0</b>	<b>Conclusions and Recommendations .....</b>	<b>31</b>
8.1.	Whether Phase Two ESA Required Before RSC Submitted .....	31
8.2.	Signatures .....	31
<b>9.0</b>	<b>References .....</b>	<b>33</b>
<b>10.0</b>	<b>Assessor Qualifications .....</b>	<b>34</b>
<b>11.0</b>	<b>Limiting Conditions .....</b>	<b>34</b>

**LIST OF TABLES**

Table 4.1	–Summary of Records Search .....	6
Table 4.2	– Chain of Title from 1804 .....	7
Table 4.3	– Chain of Title from 1804 for Parcel A, Block 89, Plan 65M2263, PIN 03581-0027(LT) .....	8
Table 4.4	– City Directory Search Results .....	8
Table 4.5	– EcoLog ERIS Search Results – November 2011 .....	10

Table 4.6 – EcoLog ERIS Search Results – November 2013 .....	12
Table 4.7 – Pesticides Found During Inspection May 27, 2008 .....	15
Table 4.8 –Physical Setting Resources .....	16
Table 4.9 – Aerial Photography Findings .....	16
Table 6.1 – Adjacent Properties .....	21
Table 6.2 – Storage Tanks .....	23
Table 7.1 – Current and Past Uses .....	28
Table 7.2 – Potentially Contaminating Activities .....	29
Table 7.3 – Areas of Potential Environmental Concern .....	29

## LIST OF FIGURES

Figure 1 – Site Location Map
Figure 2 – Local Topography
Figure 3 – Physiography
Figure 4 – Bedrock Geology
Figure 5 – Surficial Geology
Figure 6 – Areas of Natural Significance
Figure 7 – Ministry of Environment Wells
Figure 8 – Field Investigation Observations
Figure 9A – 2009 Aerial Photograph
Figure 9B – 1995 Aerial Photograph
Figure 9C – 1985 Aerial Photograph
Figure 9D – 1975 Aerial Photograph
Figure 9E – 1969 Aerial Photograph
Figure 9F – 1955 Aerial Photograph
Figure 10 – Conceptual Site Model
Figure 11 – East-West Cross Section
Figure 12 – Shallow Groundwater Flow Patterns (Spring/Summer)

## APPENDICES

Appendix A	<b>Database Search Results</b>
	Chain of Title
	City Directory Search
	EcoLog ERIS Report
	TSSA Search Results
	MOE Freedom of Information
	NHIC Search Results
	MOE Well Record Search Results
Appendix B	<b>Field Investigation</b>
	Site Photographs
	Field Investigation Notes (November 2011)
	Interview Form

Appendix C    **Updated Phase I ESA Information**  
EcoLog ERIS Report  
Field Investigation Notes (November 2013)

## 1.0 Executive Summary

Cole Engineering Group Ltd. (CEG) was retained by Ms. Joanne Barnett of The Kerbel Group Inc. (on behalf of Marianneville Developments Limited) to conduct a Phase I Environmental Site Assessment (ESA) for the property at 470 Crossland Gate, Newmarket, Ontario (herein referred to as the Site).

Phase I ESAs may assist in reducing uncertainty related to potential environmental liabilities and may be used as justification for further investigations of a property. It was our understanding that the Phase I ESA was required to identify potential soil and groundwater contamination on the Site and to make appropriate recommendations leading to a Phase II ESA, if required.

The purpose of the Phase I ESA report is to support a Draft Plan and Zone Change Application, submitted to the Town of Newmarket, to build a residential subdivision on the Site which has most recently been used as a golf course.

The Phase I ESA was conducted in accordance with the latest requirements of Ontario Regulation (O.Reg.) 153/04 (as amended by O. Reg. 269/11) as well as the guidelines and procedures established in the Canadian Standards Association (CSA) document Z768-01. The scope of the Phase I ESA for the subject property includes the following activities:

- A records review for the Site and adjacent properties;
- Interviews and Site visit;
- An evaluation of the information gathered;
- The preparation of a Phase I ESA Report; and
- The submission of the Phase I ESA Report.

According to the latest amendment of O. Reg. 153/04, a Record of Site Condition (RSC) is not required for the Site as the proposed residential development does not constitute a change to a more sensitive land use. However, if an RSC is required for the Site by other parties, the Phase I ESA has been written in accordance with the latest amendments of O. Reg. 153/04 so that it may support the submission of an RSC for the Site.

It is our understanding that the subject Site has historically been used for agricultural purposes and, most recently, an 18-hole public golf course. It is scheduled for redevelopment to a 9-hole golf course and for commercial and residential purposes.

The land use in the area surrounding the Site is primarily residential, with a commercial establishment located to the northeast, a GO bus station followed by a commercial property located to the east and institutional and recreational buildings located to the south.

The Site is landscaped with undulating features and the regional topography slopes downward to the north toward Lake Simcoe.

The information gathered through available databases, the Site visit and interviews indicate that potentially contaminating activities (PCAs) have been conducted on the subject Site and neighbouring properties. Fuel storage tanks have been used historically on adjacent properties and may have leaked or spilled and resulted in soil contamination. Similarly, vehicle maintenance and waste generation may have also contributed to impacts on the facility. Other potential environmental concerns on and off-site

included pesticide and fertilizer use. It is possible for the variety of potential contaminants of concern (COCs) to include: petroleum hydrocarbons (PHCs) (BTEX (F1-F4)), volatile organic compounds (VOCs), pesticides and metals and inorganics. It is possible for these contaminants to travel downwards until intercepted by the water table. Preferential pathways introduced by road bedding and underground utilities could act to transmit potential concerns away from the Site.

Based on the findings of the Phase I ESA which include a thorough records review, Site visit and interview process, areas of potential environmental concern (APECS) have been identified and warrant further investigation through a Phase II ESA.

## 2.0 Introduction

### 2.1. Phase One Property Information

CEG was retained by Ms. Joanne Barnett of The Kerbel Group on behalf of Marianneville Developments Limited to conduct a Phase I ESA for the Marianneville Developments Limited property located at 470 Crossland Gate in Newmarket, Ontario. For the purposes of this report, the "Property" is defined as the area bounded to the north by Davis Drive, to the west by Bathurst Street and to the east and south by the property boundaries for 470 Crossland Gate. The "Site" includes all portions of the Property to the east of the hydro corridor and the park area south of the pumping reservoir, the lands east of Kirby Crescent, the block of land housing the maintenance garage and the north portion of the Site bordering Alex Doner Drive on the west side of the hydro corridor (**Figure 1**).

The Site is comprised of seven (7) Property Identification Numbers (PIN). The PIN numbers which make up the Site and their associated legal descriptions are described below:

#### **PIN 03584-003 LT**

Parcel 73-1 Section 65M-2284, being Block 73 Plan 65 M-2284; together with easement over Part Lot 94 Concession 1 West of Yonge Street, designated as Part 1 Plan 65R-5721 as in LT109148; Newmarket.

#### **PIN 03580-0293 LT**

Parcel 155-1 Section 65M-2205, being Block 155 Plan 65M-2205; together with easement over Part Lot 94 Concession 1 West of Yonge Street, designated as Part 1 Plan 65R-5721 as in LT109148; together with easement over Parts 1 & 2 Plan 65R-6519 for the purposes of ingress and egress to the said lands by pedestrians, golf carts and service vehicles, the exact terms and conditions of which may be the subject of further agreement with The Corporation of the Town of Newmarket, as set out on Plan 65M-2211 (subject to LT156090); subject to an easement over Parts 5, 6, 7, 8 & 9, Plan 65R-7111, Parts 5 & 6, Plan 65R-7112, Parts 13, 14 & 15, Plan 65R7114 and Parts 3 & 4, Plan 65R7113, as in LT195504; subject to an easement in LT317245, Newmarket (Amended 2001/02/05 at 10:06 by Lois Yakiwchuk, ADLR); subject to easement over Part 1 Plan 65R-23447, as in LT1596157.

#### **PIN 03581-0209 LT**

Parcel 92-3 Section 65M-2212, being Part of Block 92 Plan 65M-2212 designated as Parts 1, 4, 5, 6 & 7 Plan 65R-7939; together with an easement in favour of the owners of Block 92, Plan 65M-2212 over those parts of Streets on Plan 65M-2212 designated as Part 1, Plan 65R-6520 for the purposes of ingress and egress to the said lands by pedestrians, golf carts and service vehicles, the exact terms and conditions of which may be the subject of further agreement\_with The Corporation of the Town of



Newmarket, as set out on Plan 65M-2212; together with easement over Part Lot 94, Concession 1 designated as Part 1 Plan 65R-5721 as in LT109148; subject to LT195504, LT583898 Newmarket.

**PIN 03581-0179 LT**

Parcel 144-1 Section 65M-2261, being Block 144 Plan 65M-2261; together with easement over Part of Lot 94 Concession 1 designated as Part 1 Plan 65R-5721 as in LT109148; LT474734 Newmarket.

**PIN 03581-0178 LT**

Parcel 142-1 Section 65M-2261, being Block 142 Plan 65M-2261; together with easement over Part of Lot 94 Concession 1 designated as Part 1 Plan 65R-5721 as in LT109148; Newmarket.

**PIN 03581-0027 LT**

Parcel 89-1 Section 65M-2263, being Block 89 Plan 65M-2263; together with easement over Part of Lot 94 Concession 1 designated as Part 1 Plan 65R-5721 as in LT109148; LT474734 Newmarket; subject to easement over Part 6, Plan 65R-22514, as in LT1570875; subject to easement over Parts 5 & 7, Plan 65R-22514, as in LT1570878\*

[\* only a portion of this PIN (as illustrated in **Figure 1**) was included in this investigation]

PIN 03582-0505 LT

Parcel 91-1 Section 65M-2212, being Block 91 Plan 65M-2212; together with easement over Part of Lot 94, Concession 1, designated as Part 1 Plan 65R-5721 as in LT109148; Newmarket.

## 2.2. Objective

Phase I ESAs may assist in reducing uncertainty related to potential environmental liabilities and may be used as justification for further investigations of a property. It was our understanding that the Phase I ESA was required to identify potential soil and groundwater contamination on the Site and to make appropriate recommendations leading to a Phase II ESA, if required.

The purpose of the Phase I ESA report is to support a Draft Plan and Zone Change Application, submitted to the Town of Newmarket, to build a residential subdivision on the Site which has most recently been used as a golf course.

According to the latest amendment of O. Reg. 153/04, an RSC is not required for the Site as the proposed residential development does not constitute a change to a more sensitive land use. However, if an RSC is required for the Site by other parties, the Phase I ESA has been written in accordance with the latest amendments of O. Reg. 153/04 so that it may support the submission of an RSC for the Site.

## 2.3. Site Description

The Site is irregular in shape and is approximately 36.3 hectares (ha) in area. It was most recently used as a golf course, with the majority of the Site area utilized as playing area (tee boxes, fairway, greens, etc.). No building structures were observed on-site. The Site is accessible from the northern portion of the Site off Alex Doner Drive or Crossland Gate. The former building structures were predominantly situated in the north-central portion of the Site (clubhouse, indoor tennis court, pump house, golf cart

storage building). A system of five (5) ponds is located on the Site that is connected to the other ponds on the Property via a piping system. A hydro corridor runs through the middle of the Property in a northwest to southeast direction.

The land use surrounding the Site is predominantly residential. To the west of the hydro corridor is the remainder of the Glenway Estates golf course and a pumping reservoir. The Upper Canada Mall lies northeast of the Site and adjacent to the site to the east is a GO bus station, followed by a commercial plaza. The Ray Twinney recreation complex and Crossland Public School properties lie south of the Site.

### 3.0 Scope of Investigation

The Phase I ESA was carried out by CEG's team of professional and technical personnel trained in site assessment, under the supervision of qualified person, Ms. Tabitha Lee, M.A.Sc., P.Eng.

The Phase I ESA was conducted in accordance with the latest requirements of O.Reg. 153/04 (as amended by O. Reg. 269/11) as well as the guidelines and procedures established in the CSA document Z768-01. The scope of the Phase I ESA of the subject property includes the following activities:

- A records review for the Site and adjacent properties;
- Interviews and Site visit;
- An evaluation of the information gathered;
- The preparation of a Phase I ESA Report; and
- The submission of the Phase I ESA Report.

#### 3.1. Background and Records Review

As part of the background and records review, the following searches were conducted for the Site:

- Chain of Title;
- Environmental Reports;
- EcoLog ERIS Report for a radius of 250 meters (m) around the Site;
- Ministry of the Environment (MOE) Freedom of Information search; and
- Technical Standards and Safety Authority (TSSA) Fuel Tanks Search.

The following items relating to the physical setting of the Site were included in the investigation:

- Aerial photos ranging from 1955 to the present;
- Geology including topography, physiography, bedrock and surficial geology;
- Areas of Natural Significance including water bodies and vegetation communities; and
- Water well records for a 1 kilometre (km) radius.

#### 3.2. Interview

Interviews were conducted in person and over email with the following person of interest:

**Mr. Gary Lester** of Glenway Country Club – President

The CEG Phase I ESA Interview Form and a list of Site specific questions were used during the interview. The questionnaire included questions regarding historical and current Site specific activities. Details of the interview are provided in Section 5.0 and the completed Phase I ESA Interview Form is presented in **Appendix B**.

### 3.3. Site Visit

Two (2) Site visits were conducted by CEG staff trained in site assessment to assess the actual Site conditions in November 2011. A follow-up Site visit was conducted in November 2013. The Site visit encompassed the subject property and surrounding areas. At the Site, observations were made with respect to:

- The physical and environmental characteristics of the Site including topography, surface water drainage and vegetation;
- Structures and improvements at the Site;
- Materials stored, used or discarded at the Site; and
- Signs of potential environmental impacts (i.e. areas of stressed vegetation, former structures, staining and presence of fill and/or debris materials).

All buildings were inspected during the Site visits. Adjoining properties were also identified and visually assessed from the property boundaries or other publicly accessible areas. Any indicators of potential environmental concern relating to the subject property were carefully documented. Site photographs are included in **Appendix B**.

### 3.4. Evaluation and Interpretation of Information

Information collected through the records review process, the interview and the Site visit was used to establish the current and past uses of the Site and surrounding properties. PCAs were flagged and used to identify APECs.

A conceptual site model was developed based on our understanding of the Site features, pathways and receptors for potential contaminants. The findings from the investigation were then used to comment on the environmental condition of the Site. Recommendations are provided and identify applicable best management practices and the need for further environmental investigation.

## 4.0 Records Review

The records review includes the review of historical database searches and information pertaining to the physical setting of the Site such as geology, aerial photography, areas of natural significance and well records.

A 250 m radius around the Site was investigated for environmentally significant features. A larger radius of 1 km was used for the investigation related to groundwater, areas of natural significance and rare or threatened species.

Information obtained and reviewed as part of the database searches for the Site and adjacent properties are listed in Table 4.1. The complete records are provided in **Appendix A**.

**Table 4.1 –Summary of Records Search**

Record Searched	Date of Record(s) Found	Source
Chain of Title	1804-Present, Refer to Section 3.1.3	Domson’s Title Search
Environmental Reports	Refer to Section 3.1.4	Zelinka Priamo Ltd., March 2012. Soil Engineers Limited, January 22, 2008.
Complete ERIS Report	Refer to Section 3.2.1	EcoLog ERIS
Freedom of Information	Refer to Section 3.2.2	MOE
Registered Fuel Storage Tanks	Refer to Section 3.2.3	TSSA

## 4.1. General

### 4.1.1. Phase I Study Area Determination

The Study Area for this Phase I ESA consists of all lands within a 250 m radius of the Site. The lands in the local area of the Site consist mostly of residential land uses with some commercial, institutional, recreational and transportation. Therefore, for the purposes of the Phase I ESA, the Study Area includes all properties located wholly or partly, 250 m from the boundary of the Site.

### 4.1.2. First Developed Use Determination

According to the Chain of Title search, the first documented developed use of the Site was in 1804 when the land was transferred from the Crown to Wing Rogers Jr. Based on available information, it is unknown how the Site was developed, however, based on the aerial images of the area, it is likely that the property was used for rural residential/agricultural purposes.

### 4.1.3. Fire Insurance Plans and Inspection Reports

According to the Phase I ESA by Soil Engineers Limited, plans and Fire Insurance Maps were last published by CGI Information Systems and Management Consultants Inc. in the mid-1970s and did not cover agricultural areas so no information pertaining to this Site was available. Due to this, no Fire Insurance Plans or Inspection Reports were searched.

### 4.1.4. Chain of Title

A request was made to Domson’s Title Search to conduct a Chain of Title search for the Site. The complete Chain of Title search is shown in **Appendix A**. The search for the property revealed records dating back to 1804. The records indicated that the Site had been transferred to and from private individuals until 1956. Table 4.2 lists the transfers for all parcels excluding Parcel A, Block 89, Plan 65M2263, PIN 03581-0027(LT):

**Table 4.2 – Chain of Title from 1804**

Date	Document Type	Party From	Party To
1804	Patent	Crown	Wing Rogers, Jr.
1807	Deed	Wing Rogers, Jr.	John Doan
1828	Deed	John Doan	William Lloyd
1865	Deed	William Lloyd – estate	Eli Lloyd
1873	Vesting Order	Eli Lloyd – estate	Michael Wasley
1893	Deed	Michael Wasley – estate	Norman Wasley
1893	Deed	Michael Wasley – estate	Henrietta Wasley
1919	Deed	Norman Wasley & Henrietta Wasley	Joseph Wasley & Beatrice Dales
1922	Deed	Joseph Wasley & Beatrice Dales	Joseph Wasley & Maud Wasley
1923	Deed	Joseph Wasley & Maud Wasley	Lawrence Farrow
1925	Deed	Lawrence Farrow	Samuel Doner
1951	Deed	Samuel Doner	William Mulock
1955	Deed	William Mulock – estate	Thomas Mulock
1956	Deed	Thomas Mulock	Arnold Iscove
1956	Deed	Arnold Iscove	Valley Springs Investments Limited
1959	Deed	Valley Springs Investments Limited	Halgor Investments Limited as to 50% int., A. Matlow & Sons Ltd., as to 25% int. and Pine Grove Estates Limited as to 25% int.
1959	Deed	Pine Grove Estates Limited as to a 5% int.	Hallgor Investments Limited
1969	Deed	Hallgor Investments Limited as to 5% int.	Pine Grove Estates Limited
1969	Deed	Hallgor Investments Limited	Belhill Construction Limited as to a 50% int.
1969	Deed	Belhill Construction Limited 50% Pine Grove Investments Limited as to 25% int. and Matlow & Sons Ltd as to 25% int.	Hudson Coal & Fuel Oil Limited, Dor-Min Investments Limited, Keygor Investments Limited, Darwon Investments Limited, Winston Plastics Limited, Palroe Holdings Limited, Roelle Securities Limited, Irving Matlow & Hadassah Rosenberg as New King Investment Company
1972	Deed	New King Investment Company	Noldon Investments Limited
1973	Deed	Noldon Investments Limited	Glenway Home Builders (York) Limited
1994	Deed	Glenway Builders Limited (formerly Glenway Home Builders (York) Limited)	Glenway Country Club (1994) Limited
2010	Deed	Glenway Country Club (1994) Limited	Marianneville Developments Limited

For Parcel A, Block 89, Plan 65M2263, PIN 03581-0027 (LT), the Chain of Title is the same up to 1985 where transfers differ, shown in Table 4.3:

**Table 4.3 – Chain of Title from 1804 for Parcel A, Block 89, Plan 65M2263, PIN 03581-0027(LT)**

Date	Document Type	Party From	Party To
1985	Deed	Glenway Builders Limited (formerly Glenway Home Builders (York) Limited)	606268 Ontario Limited
1994	Deed	Glenway Land Corporation (formerly 606268 Ontario Limited)	Glenway Country Club (1994) Limited
2010	Deed	Glenway Country Club (1994) Limited	Marianneville Developments Limited

The Chain of Title search indicates that the property was owned by individual land owners until 1956, by various investment and construction companies until 1994 and by the Glenway Estates Country Club until 2010, when the land was transferred to Marianneville Developments Ltd. The only potential property use of concern would be by the Glenway Country Club due to the usage of fertilizers and pesticides and maintenance and servicing of the golf course equipment including fuel storage and dispensing.

#### 4.1.5. City Directory

A request was made to EcoLog ERIS to conduct a city directory search for the Site and adjacent properties. The search included the timeframe between 1962 and 1999. The complete city directory search is shown in **Appendix A**. Table 4.4 summarizes the findings from the directory search.

**Table 4.4 – City Directory Search Results**

Property	Year	Occupancy Description
470 Crossland Gate (Site)	1999	Tapistry Premier Retirement Community
		Glenway Country Club
	1989-1994	Glenway Country Club
	1962/1971/1975/1979/1984	Address Not Listed
400 Crossland Gate (centre)	1999	Multi-tenant Residential
	1994	Toddglen Construction
	1962/1971/1975/1979/1984/1989	Address Not Listed
255 Brimson Drive (south)	1994-1999	Crossland Recreation Centre
		Crossland Public School
	1962/1971/1975/1979/1984/1989	Address Not Listed
100 Eagle Street West (south)*	1999	Ray Twinney Recreation Complex
	1989-1994	Newmarket Recreation Complex
	1962-1984	Address Not Listed
320 Eagle Street West (east)*	1984-1999	Newmarket GO Bus Terminal
	1962-1979	Address Not Listed
	1994-1999	Multi-tenant Commercial
17310 Yonge Street (east)	1962/1971/1975/1979/1984/1989	Address Not Listed
	1999	Multi-tenant Commercial
17600 Yonge Street (northeast)		Sunoco Inc.
	1994	Multi-tenant Commercial
	1962/1971/1975/1979/1984/1989	Address Not Listed

\*Year and Occupancy Description were inferred from aerial photography and historical research

Property uses by Glenway Country Club and Sunoco Inc. provide potential environmental concerns due to pesticide and fertilizer application and fuel storage and dispensing. Sunoco Inc. was located northeast of the Site at 17600 Yonge Street. Upon examination of the aerial photographs for 1985 to 2009 (as further detailed in Section 4.3.1), no gas station was observed. Based on the layout of the Upper Canada Mall, which shares the same address as the Sunoco Inc. listed, it is unlikely that the gas station would have been located within 250 m of the Site. It is therefore not considered to be an environmental concern for the Site.

#### **4.1.6. Survey Plan**

A survey plan for the Site, created by J.D. Barnes and dated February 27, 2013, was reviewed. This survey plan identified the Site boundaries and indicated legal address descriptions for the parcels which make up the Site.

#### **4.1.7. Environmental Reports**

The following environmental reports were provided for review to obtain a better understanding of site conditions:

1. Draft Plan of Subdivision, Zelinka Priamo Ltd., March 2012.
2. Phase I Environmental Site Assessment, Property Assessment (Golf Course), 470 Crossland Gate, Town of Newmarket, Soil Engineers Ltd., January 22, 2008.

The key findings of the aforementioned reports are as follows:

##### **Draft Plan of Subdivision, Zelinka Priamo Ltd., March 2012**

- The draft plan detailed the proposed development of the Site, showing proposed areas for land use change. It is proposed that the Site area east of the hydro corridor is developed to medium and high density residential dwellings, with the exception of the block of land north of Alex Doner drive, adjacent to the hydro corridor, which is proposed commercial land use. West of the hydro corridor, the north section of the Site's proposed land use is medium density residential. The other blocks of land to the east and west of Kirby Crescent are proposed park land. The proposed land use for the block of land south of Alex Doner drive, adjacent to the hydro corridor on the west side is undetermined.

##### **Phase I Environmental Site Assessment, Property Assessment (Golf Course), 470 Crossland Gate, Town of Newmarket, Soil Engineers Ltd., January 22, 2008**

- Soil Engineers Ltd. conducted a Phase I ESA of the subject property between 2007-2008.
- No active or closed waste disposal sites, nor industrial sites producing or using coal tar and related tars in Ontario are located within 1 km of the property.
- The property was not registered as a PCB waste storage site, nor was it registered as a waste generator under Regulation 558 of the Environmental Protection Act. There are no underground storage tanks (USTs) nor above-ground storage tanks (ASTs) registered for the Site.

- No Plans and Fire Insurance Maps were published by CGI Information Systems and Management Consultants Inc. of this area.
- The site inspection was conducted during a period of snow cover, which was a limiting condition of the Phase I report.
- Soil Engineers Ltd. did not find any evidence of significant environmental concerns on the property.

The review and understanding of the aforementioned reports are a key component in the evaluation of the Site as it relates to potential and actual areas of environmental concern.

## 4.2. Environmental Source Information

### 4.2.1. EcoLog ERIS Report

A request was made to EcoLog ERIS in November 2011 to conduct a search of their available federal, provincial and public data for a 250 m radius around the Site boundaries. A search radius of at least 250 m around the Site is required by O.Reg 153/04. Amongst items searched were, but not limited to, coal gasification plants, PCB storage sites, fuel storage, waste generators and waste disposal sites.

An additional request was made to EcoLog ERIS in November 2013 to conduct an update search of their available databases for a 250 m radius around Site boundaries.

The 2011 and 2013 EcoLog ERIS Reports can be found in **Appendix A**. Table 4.5 summarizes the findings of the 2011 report and Table 4-6 summarizes the findings of the 2013 report.

**Table 4.5 – EcoLog ERIS Search Results – November 2011**

Database Found	Symbol	No. of Records	Abridged Description of Records (within 250m of the Site)
Anderson's Waste Disposal Sites	ANDR	0	No mappable records within 250 m of the Site.
Automobile Wrecking and Supplies	AUWR	0	No mappable records within 250 m of the Site.
Certificates of Approval	CA	2	CA-1 Air – 4554-62FKDL, 2004, The Regional Municipality of York, 335 Kirby Crescent CA-2 Industrial Air – 8-3396-92, 1993, Inter Faith Homes (Manor Green) Corp, 400 Crossland Gate
Commercial Fuel Oil Tanks	CFOT	0	No mappable records within 250 m of the Site.
Chemical Register	CHEM	0	No mappable records within 250 m of the Site.
Coal Gasification Plants	COAL	0	No mappable records within 250 m of the Site.
Environmental Registry	EBR	0	No mappable records within 250 m of the Site.
Environmental Effects Monitoring	EEM	0	No mappable records within 250 m of the Site.
ERIS Historical Searches	EHS	0	No mappable records within 250 m of the Site.
Environmental Issues Information System	EIIS	0	No mappable records within 250 m of the Site.
Fuel Storage Tank	FST	0	No mappable records within 250 m of the Site.
O.Reg. 347 Waste Generators Summary	GEN	17	GEN1-3, 15-17 (Site) Generator #s ON1144600 and ON6207605 for aliphatic solvents and residues, waste crankcase oils and lubricants, paint/pigment/coating residues, petroleum



**Table 4.5 – EcoLog ERIS Search Results – November 2011**

Database Found	Symbol	No. of Records	Abridged Description of Records (within 250m of the Site)
			distillates and waste oils & lubricants (1989-2010)
			GEN4-7 York Region District School Board, 255 Brimson Drive, Generator #s ON7286969 and ON1279530 for aliphatic solvents and residues, miscellaneous waste organic chemicals, organic laboratory chemicals, inorganic laboratory chemicals, latex wastes and polymeric resins (1993-2010)
			GEN8-9 Ray Twinney Recreation Complex, 100 Eagle Street West, Generator #s ON0722311 and ON0903900 for paint/pigment/coating/residues, inorganic laboratory chemicals, aliphatic solvents, petroleum distillates, light fuels, halogenated pesticides, waste oils & lubricants, organic laboratory chemicals, non-halogenated pesticides, pathological wastes, waste compressed gases, aromatic solvents, brines, chlor-alkali wastes, brine, chlor-alkali sludges, aromatic solvents and residues and waste crankcase oils and lubricants (1992-2010)
National PCB Inventory	NPCB	0	No mappable records within 250 m of the Site.
National Pollutant Release Inventory	NPRI	0	No mappable records within 250 m of the Site.
Non-Compliance Reports	NCPL	0	No mappable records within 250 m of the Site.
Inventory of PCB Storage Sites	OPCB	0	No mappable records within 250 m of the Site.
Pesticide Register	PES	3	PES1-3 Andy Sytsma Landscaping Ltd., 306 Crossland Gate, Licence No. 02-01-05502-0, Operator
Private and Retail Fuel Storage Tanks	PRT	0	No mappable records within 250 m of the Site.
O.Reg. 347 Waste Receivers Summary	REC	0	No mappable records within 250 m of the Site.
Record of Site Condition	RSC	0	No mappable records within 250 m of the Site.
Retail Fuel Storage Tanks	RST	0	No mappable records within 250 m of the Site.
Scott's Manufacturing Directory	SCT	0	No mappable records within 250 m of the Site.
			SPL1 Newmarket Hydro, 240 Crossland Gate, cooling system leak resulted in spill of 250 L of non-PCB oil to road (1995)
Ontario Spills	SPL	4	SPL2-3 Ray Twinney Sports Complex, 100 Eagle St. W., diesel fuel spill to catch basin and swale, with residual amounts to western creek (1999); white paint and ammonia discharge to creek (ammonia solution LT 3338 L 10%) (2006)
			SPL4 GO Transit Bus Terminal, 320 Eagle Street W., 10 L spill of transmission fluid from bus onto ground and street (1997)
Anderson's Storage Tanks	TANK	0	No mappable records within 250 m of the Site.
Waste Disposal Sites – MOE CA Inventory	WDS	0	No mappable records within 250 m of the Site.
Waste Disposal Sites – MOE 1991	WDSH	0	No mappable records within 250 m of the Site.

**Table 4.5 – EcoLog ERIS Search Results – November 2011**

Database Found	Symbol	No. of Records	Abridged Description of Records (within 250m of the Site)
Historical Approval Inventory			WWIS1,3 (property south of Site)
Water Well Information System	WWIS	4	WWIS2 (adjacent property south of Site) WWIS4 (adjacent property north of Site)

**Table 4.6 – EcoLog ERIS Search Results – November 2013**

Database Found	Symbol	No. of Records	Abridged Description of Records (within 250m of the Site)
Anderson's Waste Disposal Sites	ANDR	0	No mappable records within 250 m of the Site.
Automobile Wrecking and Supplies	AUWR	0	No mappable records within 250 m of the Site.
Certificates of Approval	CA	2	1. Air – 4554-62FKDL, 2004, The Regional Municipality of York, 335 Kirby Crescent 2. Industrial Air – 8-3396-92, 1993, Inter Faith Homes (Manor Green) Corp, 400 Crossland Gate
Commercial Fuel Oil Tanks	CFOT	0	No mappable records within 250 m of the Site.
Chemical Register	CHEM	0	No mappable records within 250 m of the Site.
Coal Gasification Plants	COAL	0	No mappable records within 250 m of the Site.
Environmental Registry	EBR	0	No mappable records within 250 m of the Site.
Environmental Effects Monitoring	EEM	0	No mappable records within 250 m of the Site.
ERIS Historical Searches	EHS	2	1. 2011 – Custom Report – Bathurst Street & Davis Drive 2. 2012 – Standard Report – 219 Highway 9
Environmental Issues Information System	EIIS	0	No mappable records within 250 m of the Site.
Fuel Storage Tank	FST	0	No mappable records within 250 m of the Site.
O.Reg. 347 Waste Generators Summary	GEN	28	See Appendix C for summary
TSSA Incidents	INC	1	71 Williamson Family Hollow – 12" pipeline hit
National PCB Inventory	NPCB	0	No mappable records within 250 m of the Site.
National Pollutant Release Inventory	NPRI	0	No mappable records within 250 m of the Site.
Non-Compliance Reports	NCPL	0	No mappable records within 250 m of the Site.
Inventory of PCB Storage Sites	OPCB	0	No mappable records within 250 m of the Site.
Pesticide Register	PES	3	1-3. Andy Sytsma Landscaping Ltd., 306 Crossland Gate, Licence No. 02-01-05502-0, Operator
Private and Retail Fuel Storage Tanks	PRT	0	No mappable records within 250 m of the Site.
O.Reg. 347 Waste Receivers Summary	REC	0	No mappable records within 250 m of the Site.
Record of Site Condition	RSC	0	No mappable records within 250 m of the Site.
Retail Fuel Storage Tanks	RST	0	No mappable records within 250 m of the Site.
Scott's Manufacturing Directory	SCT	0	No mappable records within 250 m of the Site.
Ontario Spills	SPL	4	1. Newmarket Hydro, 240 Crossland Gate, cooling system leak resulted in spill of 250 L of non-PCB oil

**Table 4.6 – EcoLog ERIS Search Results – November 2013**

Database Found	Symbol	No. of Records	Abridged Description of Records (within 250m of the Site)
			to road (1995)
			2-3. Ray Twinney Sports Complex, 100 Eagle St. W., diesel fuel spill to catch basin and swale, with residual amounts to western creek (1999); white paint and ammonia discharge to creek (ammonia solution LT 3338 L 10%) (2006)
			4. GO Transit Bus Terminal, 320 Eagle Street W., 10 L spill of transmission fluid from bus onto ground and street (1997)
TSSA Historic Incidents	HINC	3	1. 299 Kirby Cres. – Natural Gas Pipeline Strike (2007) 2. 294 Kirby Cres. – Natural Gas Pipeline Strike (2008) 3. 215 Chilcott Cres - Natural Gas Pipeline Strike (2007)
Anderson’s Storage Tanks	TANK	0	No mappable records within 250 m of the Site.
Waste Disposal Sites – MOE CA Inventory	WDS	0	No mappable records within 250 m of the Site.
Waste Disposal Sites – MOE 1991 Historical Approval Inventory	WDSH	0	No mappable records within 250 m of the Site.
Water Well Information System	WWIS	4	1,3. property south of Site 2. adjacent property south of Site 4. adjacent property north of Site

Environmental concerns were found for the Site and neighbouring properties. On-site concerns include waste generation. Off-site concerns include waste generation, pesticide registry and spills.

Off-site waste generation is not considered to affect the Site, as it is expected that the waste would be properly stored near the buildings (Crossland Public School and Ray Twinney Sports Complex), which do not border the Site.

The address of the licensed pesticide operator for Andy Sytsma Landscaping Ltd. (306 Crossland Gate), is located in the residential area in the middle of the Site. A drive-through of the area showed that the address was for a residential dwelling. There were no commercial use identifiers on the property.

The spill occurrence at 240 Crossland Gate was located in a residential portion off-site, where the fluid spilled to the road and sewer. Due to the exposure pathway, it is anticipated that this spill would not affect the Site condition. The spills at the Ray Twinney Sports Complex occurred around Western Creek, which runs eastward and does not intersect with the Site and as such is not expected to affect the Site condition. The spill occurring at the GO Transit bus terminal is downgradient of the Site. Additionally, an environmental impact was not anticipated from the leak and GO Transit staff indicated that it would be cleaned, as such, this spill is not expected to affect the Site condition.

#### 4.2.2. Freedom of Information

A request was made to the MOE - Freedom of Information and Protection of Privacy office on October 28, 2011 for information regarding all incidents or activities of environmental significance which have occurred on the subject Site.

Partial access was afforded to the information as attached in **Appendix A**. The information provided is summarized below.

The Glenway Country Club (#ON6207605) was registered with the Hazardous Waste Information Network (HWIN) in 2002 and reported solid off-site waste, classified as 243-D (PCBs). A more recent search on HWIN indicates that the Glenway Country Club (2010) Limited generates aliphatic solvents and waste oils and lubricants. This is further verified by a letter dated March 14, 2001, acknowledging the Glenway Country Club Limited Generator Registration report dated February 15, 2001. This letter is in accordance with the EcoLog ERIS search results.

A Pesticide Operator Exterminator Inspection Report was sent to the Glenway Country Club (1994) Limited on December 18, 2008, following a proactive inspection conducted on May 27, 2008. The summary of non-compliance/recommendations are:

##### Storage

- Not sufficient precautions to prevent contamination of other pesticides or natural environment (s.1231(1)2 of Reg 914)
  - Recommend a berm or skirt to prevent a spill from reaching the catch basin (there is a drain just outside storage area and there is a space under the door of the storage unit)
- Secondary containers need to have the concentration of each active ingredient and the PCP number (s.26(1) of Reg 914)
- Prohibited pesticides are stored or used (s.62 of Reg 914)
  - The registration of Wilson Cygon (PCP #9801) expired 2004-12-31 and the registration of Dursban (PCP #10637) expired 1998-12-31

##### Handling/Usage

- Pesticide mixing, loading and rinsing is not conducted in a manner to protect human health and the environment (s.4 of *Pesticides Act*)
  - Require a designated contained/containable mixing and loading area

##### Posting/Public Notice

- Public area signs are not posted every 100 m along the perimeter of the treatment area (s.67(1) of Reg 914) and the golf course does not have alternate notification approval

The following pesticides were stored in the maintenance shed at the time of the inspection are displayed:

**Table 4.7 – Pesticides Found During Inspection May 27, 2008**

Produce	Schedule	Package Size*
Daconil 2787 Flowable Fungicide	3	7.57 L
Roveral Green Flowable Fungicide	3	10.0 L
Terminator Mouse and Rat Water Resistant Bait	2	0.02535 kg
Wilson Cygon 2-E Systemic Insecticide	Registration expired 2004-12-31	
Wilson Ant Killer Dust	4	1.0 kg
Daconil Ultrex Fungicide	3	544 kg
Heritage Maxx Fungicide	2	37.8 L
Compass 50WG Fungicide	2	0.454 kg
Banner Maxx Fungicide	2	56.85 L
Primo Maxx Plant Growth Regulator	3	3.78 L
Chipco Aliette Signature Fungicide	2	2.26 kg
B-Nine-SP Chemical Height Retardant for Plants	2	0.5 kg
Dimension Turf Herbicide	2	115.0 L
Glyphos Herbicide	6	30.0 L
Killex Turf Herbicide Liquid Concentrate (Green Cross)	3	600 L
Expedite Grass and Weed Herbicide	6	5.0 L
Mecoprop-P Herbicide	3	115.0 L
Bug-B-Gone Hornet and Wasp Pressurized Contact and Residual Insecticide SPR	4	0.4 kg
Clean Crop Malathion 500E Insecticide	3	
Slug-Em Slug Bait	3	10.0 kg
Dursban 4E Insecticide	Registration expired 1998-12-31	
Glyphos Herbicide	6	30.0 L
Roundup Ultra2 Liquid Herbicide	3	750 L
Merit Solupak Insecticide	3	0.045 kg
Thionex 50W Wettable Powder Insecticide	2	
Cycocel Liquid Plant Growth Regulator	2	

Based on the results of the MOE FOI search, waste generation and pesticide use and storage may be of environmental concern on the Site.

#### 4.2.3. Fuel Storage Tanks

A request was made on November 8, 2011 to the TSSA regarding records of storage tanks present on the Site. The TSSA acknowledged that there were no fuel storage tanks registered for the Site. The associated correspondence is attached in **Appendix A**.

#### 4.3. Physical Setting Sources

The data obtained and reviewed in order to describe the physical setting for the Site are listed in Table 4.8. Figures located at the end of this report correspond to these findings.

**Table 4.8 –Physical Setting Resources**

Record Searched	Date of Record(s) Found	Source
	1955, 1969, 1975, 1985	National Airphoto Library.
Aerial Photography	1995	The Regional Municipality of York, 2011
	2009	Google Earth, 2011.
Topography	-	GeoGratis. Natural Resources Canada, 2010.
Physiography	2008	Chapman, L.J. and Putnam, D.F. 2007. Physiography of Southern Ontario; Ontario Geological Survey, Miscellaneous Release-Data 228.
Bedrock Geology	2005	Ontario Geological Survey. 2005. Bedrock Geology of Ontario Seamless Coverage Data Set 6.
Surficial Geology	2003	Ontario Geological Survey, 2003. Surficial geology of Southern Ontario: Ontario Geological Survey, Miscellaneous release-Data 128.
Areas of Natural Significance	-	Land Information Ontario. Ministry of Natural Resources.
Well Records	-	Ministry of the Environment (Water Well Data).

#### 4.3.1. Aerial Photographs

Aerial photographs are used to provide a visual chronology of previous land uses on the subject Site and on the neighbouring properties. Aerial photographs retrieved from The National Airphoto Library dated 1955, 1969, 1975 and 1985, The Regional Municipality of York dated 1995 and Google Earth dated 2009, were reviewed (attached as **Figures 9A to 9F**). Observations from these photographs are summarized in Table 4.9:

**Table 4.9 – Aerial Photography Findings**

Property	Observations
Subject Site 470 Crossland Gate	1955, 1969, 1975 – The Site appears to be used for agricultural purposes. A small regular shaped building structure resembling a house was positioned along Yonge Street, off the current Site.
	1985 – The Site was under construction. It appears that earthworks were undertaken on the majority of the east side of the Site and parts of the west side, with the remainder still existing agricultural land.
	1995 and 2009 – The Site as it appears today – as a golf course, except the pro-shop south of the country club still exists in this aerial image and has since been demolished. A hydro corridor runs through the centre of the Property.
East of the Site	1955 – Area to the east of the Site appears to be rural agricultural/residential, but the beginnings of a subdivision development can be seen east of Yonge Street.
	1969 and 1975– The area east of the Site has been developed into subdivisions. The adjacent property east of the Site remains rural agricultural/residential.
	1985 – The property use adjacent to the Site to the east has been developed or is under construction to subdivisions and commercial uses. It appears that the current GO station is under construction.
	1995 and 2009 – As it appears today, east of the site has a mix of land uses including residential subdivisions, a GO bus station and a commercial plaza east of the Site. The GO bus station appears to be just for passenger pick-up and drop-off. Further to the east includes the Region of York municipal building and commercial establishments.

**Table 4.9 – Aerial Photography Findings**

Property	Observations
West of the Site	<p>1955 – The area to the west of the Site is agricultural land with an occasional woodlot.</p> <p>1969 – A pond appears to have formed to the adjacent land west of the Site. The land use is still agricultural, but there has been a decrease in the number of woodlots and woodlot size.</p> <p>1985 – The pond no longer exists. The size of the woodlots has varied and road construction is underway.</p> <p>1995 and 2009 – The property uses west of the Site include the remainder of the Glenway Estates golf course and residential subdivisions.</p>
North of the Site	<p>1955 and 1969 – Area to the north of the Site appears to be predominantly agricultural and rural residential. There are a number of woodlots interspersed with the agricultural fields.</p> <p>1979, 1985, 1995 – The lands adjacent to the Site to the north appear to remain agricultural and rural residential. Northeast of the site, a commercial development has been developed.</p> <p>2009 – The commercial lands northeast of the Site (Upper Canada Mall) have been expanded. The land use north of the Site has changed to include residential subdivisions in the adjacent properties north and northwest of the Site. Construction is ongoing in this image for further subdivision expansion in the northwest. A rural residential property still exists immediately north of the Site. The size of woodlots has been decreased to accommodate subdivision growth.</p>
South of the Site	<p>1955 and 1969 – Area to the south of the Site appears to be rural residential and agricultural.</p> <p>1985 – The property to the south is under construction. Several buildings have also been built southeast of the site, presumably for institutional purposes.</p> <p>1995 – A recreational centre and school have been built south of the Site, with residential subdivisions further to the south under construction.</p> <p>2009 – Construction of the residential subdivisions has been completed.</p>

After reviewing the aerial photographs, the only potential land use of concern would be the golf course itself due to the fertilizer and pesticide application and golf course equipment maintenance and servicing activities, which include fuel storage and dispensing.

#### **4.3.2. Topography, Hydrology, Geology**

##### **4.3.2.1 Topography**

An Ontario Base Map containing topographic data of the area around the Site suggests a generally flat terrain with a mound on the western side of the Site. As the area is currently a golf course, the Site has been landscaped to appear generally rolling with some flat areas. Locally, the topography slopes toward the SWM ponds on site. Generally, there is a downward north-westerly slope toward Ansnorveldt Creek and south-easterly slope toward Western Creek. On a regional scale, the land slopes north towards Lake Simcoe as seen in **Figure 2**.

##### **4.3.2.2 Hydrology**

The Site is located predominantly within the East Holland River Subwatershed with the west portion of the Site within the West Holland River Subwatershed, under the jurisdiction of the Lake Simcoe Region Conservation Authority. A small tributary of Ansnorveldt Creek is located in the north-western portion of the Site, however according to Ministry of Natural Resources data for watercourses, it is listed as 'intermittent' and thus is not considered as a 'water body' as defined by O. Reg. 153. Immediately north of the Site is Ansnorveldt Creek and west of the Site is Western Creek. Both creeks flow into the East Holland River.

According to the Hydrogeological Investigation conducted for the Site by CEG, on a regional scale, groundwater flows generally northerly towards Lake Simcoe. Interpreted groundwater flow pattern in the shallow zone is shown in **Figure 12** for the spring (March 14, 2012) and summer (July 10, 2012) events, when water levels are typically highest and lowest, respectively. In general, there is a divide across the middle of the Site, from which groundwater flows north-westerly and south-easterly. No significant seasonal variation was observed in the flow pattern throughout the monitoring events.

#### 4.3.2.3 Geology

The bedrock geology of the north portion of the Site comprises the Ottawa Group, Simcoe Group and Shadow Lake Formation. This was formed in the Middle Ordovician period and is composed primarily of limestone, dolostone, shale, arkose and sandstone. The bedrock geology of the south portion of the Site comprises the Georgian Bay Formation, Blue Mountain Formation, Billings Formation, Collingwood Member and Eastview Member. This was formed in the Upper Ordovician period and is composed primarily of shale, limestone, dolostone and siltstone.

The subsurface information obtained from EcoLog ERIS's Water Well Information System search and the MOE Well Records search was used to estimate that the bedrock at the Site is located at approximately 100 meters below ground surface. A Bedrock Geology map is presented as **Figure 4**.

The surficial geology of the Site was deposited in the Pleistocene age. It consists of glaciolacustrine deposits composed of silt and clay that is massive to laminated or rhythmically bedded basin deposits and Newmarket Till, which is composed of massive, silty sand to sandy silt matrix, with moderate to high matrix carbonate and clast content. A map indicating the surficial geology of the Site is presented in **Figure 5**.

Surficial geology information obtained from EcoLog ERIS's Water Well Information System search and the MOE Well Records search indicated that the surficial geology in the vicinity of the Site consist mostly of clays with some silt, sand and gravel at deeper depths.

#### 4.3.3. Physiography

A physiographic map of the area indicates that the Site is located within the Simcoe Lowlands Physiographic Region (**Figure 3**) which is generally composed of sand, silt and clay. According to Chapman and Putnam, 1984, the area consists of level plains based on deep deposits of sand and silt. To the east of the Simcoe Lowlands Physiographic Region is the Schomberg Clay Plains Physiographic Region and to the west is the north slope of the Oak Ridges Moraine Physiographic Region.

#### 4.3.4. Fill Materials

Information obtained from EcoLog ERIS's Water Well Information System search as well as the MOE Well Records search did not indicate the presence of fill material in the vicinity of the Site. Discussions with the historical owner indicated that no fill has been placed on the Site. It is expected that any materials described as "fill materials" in any literature for the Site are in fact soils that have been moved from on-site sources during cut and fill activities during development of the Site.



#### 4.3.5. Water Bodies and Areas of Natural Significance

The Site is located predominantly within the East Holland River Subwatershed with the west portion of the Site within the West Holland River Subwatershed, under the jurisdiction of the Lake Simcoe Region Conservation Authority. A small tributary of Ansnorveldt Creek is located in the north-western portion of the Site, however according to Ministry of Natural Resources data for watercourses, it is listed as ‘intermittent’ and thus is not considered as a ‘water body’ as defined by O. Reg. 153. As such, the Site is not considered a sensitive site. West of the Site is Western Creek. Both creeks flow into the East Holland River. A map of the water bodies located area the Site is shown in **Figure 6**.

#### 4.3.6. Well Records

A search request for water wells was made to the Ministry of the Environment for a 1 km radius around the Site. The search results returned 63 water wells in the area. Well records from the search are shown in **Appendix A**. A location map for all wells in the area is presented in **Figure 7**. The following is a summary of well use, as reflected in the search:

**Table 4-7 – Well Records**

Status/Well Type	Total within 1 km	Total Wells on Site
Domestic	13	0
Commercial	2	0
Livestock	1	0
Public / Municipal	5	0
Observation / Test Hole	32	0
Abandoned	5	0
Unknown	5	0
<b>Total</b>	<b>63</b>	<b>0</b>

From the MOE well records search, it appears that there are five (5) municipal wells within the potential zone of influence of the Site. A source water protection study will be required prior to construction to evaluate and mitigate risk to the wells in accordance with the current Region of York Policies.

#### 4.3.7. Site Operating Records

Site operating records were not available for review.

## 5.0 Interviews

An interview regarding the historical and present uses of the Site was conducted on November 4, 2011 at 9:30 AM at the Site with Mr. Gary Lester – President of Glenway Country Club. Below is a summary of his answers to the questionnaire.

- Mr. Lester has been working at the Glenway Country Club for approximately 25 years.
- Equipment and vehicle maintenance takes place to the south of the Site. Storage of pesticides and herbicides also occurs at that location. There are above-ground storage tanks located there for maintenance.

- Mr. Lester is not aware of any spills or leaks having occurred on-site. He is also not aware of fill being placed on the Site.
- A hydro corridor owned by Hydro One runs through the Property. There are no natural water courses on the property, but there is a man-made integrated stormwater management pond system that runs throughout the golf course.
- Mr. Lester is not aware of any spills, leaks, dumping of any materials, or other concerns on adjacent properties.
- The property is serviced municipally for drinking water and waste water. There are no wells on-site that provide water for human consumption, livestock or irrigation.
- Mr. Lester does not believe there were any abandoned or non-operational wells on the Property. He notes that the property use prior to the golf course was agricultural and the house could have had a drinking well, but the house was not located on the Site.
- The clubhouse was built in 1987 with more recent additions made to it. Its general construction is wood frame, one-storey, with an underground basement.
- There is an old pro-shop south of the clubhouse which was torn down recently, but the foundation remains.
- Mr. Lester is not aware of any asbestos, lead paint, or urea foam insulation on the property.
- He noted that a previous Phase I ESA had been recently conducted on the property.
- In the kitchen area, Mr. Lester identified that the coolers belonged to Coca Cola and that all Coca Cola machines would be returned to Coca Cola prior to demolition.

A subsequent interview via email was conducted with Mr. Gary Lester between December 16-17, 2011, to clarify missing information. Below is a summary of the emails.

- The pump house has power only to run the marquis sign. Pumps in the pumphouse were used only for course irrigation and are currently not being used.
- The pond pumps were used to transfer water from pond-to-pond in conjunction with a gravity fed storm management sewer network. Pond pumps have been decommissioned.
- The gas tank size is 500 gallons and is in the process of being removed by Kidd Fuels, by December 22, 2011.
- The diesel tank size is 300 gallons and will be staying on-site.
- The floor grates in the maintenance shed are connected to a holding tank at the wash pad. It is assumed that the excess water flows into the storm sewer but the actual receiving body is unknown.

A follow-up email to Gary dated January 10, 2012 indicated that the gasoline tank has been removed.

## **6.0 Site Reconnaissance**

### **6.1. General Requirements**

The Phase I ESA Site visit was conducted by Andrew O'Connell, B.E.S., Environmental Specialist and Alexandra Chan, E.I.T., B.Eng., Environmental Specialist, under the supervision of Qualified Person, Tabitha Lee, M.A.Sc., P.Eng. Assessor qualifications are included in Section 8 of this report.

A Site visit was completed on November 3, 2011 from approximately 8:00 AM to 12:00 PM. An additional Site visit was conducted by Andrew O’Connell on November 9, 2011 to assess the inside of the following buildings: maintenance garage, pump house, golf cart storage building, shed, greenhouse and tennis dome.

A follow-up Site visit was conducted on November 15, 2013 by Andrew O’Connell.

The Site was inspected for items of environmental concern. The observations of the Site visit are summarized on **Figure 8**. Photographs of various points of interest were also taken during the Site visit and are presented in **Appendix B and Appendix C**.

### 6.1.1. Site Description

The Site is located in Newmarket, Ontario at 470 Crossland Gate. The Site is irregular in shape and is approximately 36.3 ha in area. As of the November 2011 Site visit, 5000 m<sup>2</sup> of the Site was covered with building structures and included the following:

- Clubhouse
- Tennis dome
- Golf cart storage building
- Pump house

These building structures had been removed as of the November 2013 Site visit. The Site was accessible from the northern portion of the Site via Alex Doner Drive or Crossland Gate. The former building structures were predominantly situated in the north-central portion of the Site (clubhouse, tennis dome, pump house, golf cart storage building). A system of five ponds was observed to be located on the Site and was connected to the other ponds on the Property via a piping system. A hydro corridor was observed passing through the middle of the Property in a northwest to southeast direction. The Site location is indicated on **Figure 1**.

### 6.1.2. Adjacent Lands

The properties adjacent to the Site that are not medium density single family residential dwellings are described in Table 6.1 below:

**Table 6.1 – Adjacent Properties**

Property	Description
<b>North</b>	219 Davis Drive West – Rural Residential Dwelling
	17600 Yonge Street – Upper Canada Mall
	320 Eagle Street West – GO Bus Terminal
<b>East</b>	340 Eagle Street West – Commercial Plaza including Go Centre, Newmarket Animal Hospital, Taka Sushi, Wild Wing, Reece’s Woodworking Ltd., Aire One, Valliquette Chiropractic Clinic, Go Centre Variety, Verico Service First Mortgages Inc., Hong Kong Cafe and Sophisticated Hair & Beauty Salon.
<b>South</b>	100 Eagle Street West – Ray Twinney Recreation Complex
	255 Brimson Drive – Crossland Public School
<b>West</b>	470 Crossland Gate – Glenway Estates Country Club
	335 Kirby Crescent – Glenway Reservoir

## 6.2. Specific Observations at the Phase One Property

The portion of the golf course which makes up the Site included the holes bounded by Davis Drive to the north, Alex Doner to the west, Crossland Gate to the south and Brammar Street to the east. These golf course hole locations were comprised of tee locations, fairways, bunkers, cart paths and were lined with trees. It was understood that the golf course has been closed since October 31, 2011.

### 6.2.1. Structures

Prior to demolition, the Site contained four (4) unconnected building structures. Together, the buildings covered approximately 5000 m<sup>2</sup>. The on-site structures are described as follows:

#### Clubhouse

The clubhouse was originally a one (1) storey building with an underground basement. It was completed in 1987 according to Mr. Lester, but more recent additions have been added, including a second floor. The building housed administrative offices, a fitness area, locker rooms, a basement storage area, laundry room, electrical room, sprinkler room, janitorial room, front desk area, kitchen, ballroom, reception area, meeting rooms and bathrooms. It is understood that the clubhouse has been closed since December 31, 2011.

At the time of the Site visit, the ceilings were observed to be predominantly comprised of acoustic ceiling tiles (ACT), with some concrete and plaster ceilings. The floors were concrete, with laminant or carpet overlaying it in most rooms. The janitorial room were covered with vinyl flooring tile (VFT). The floors in the bathrooms, part of the locker rooms, part of the kitchen and laundry area were tiled. The walls were predominately drywall, with tiling in the bathroom, locker room and kitchen areas. The frame of the building is of wood construction. Lights in the building were fluorescent bulbs with ballasts. A number of water coolers were located around the clubhouse, all of which were hooked up to the municipal supply and most of which had additional water filters attached.

The laundry, janitorial room and kitchen contained general cleaning supplies. The basement storage area and sprinkler room house sumps, presumably for flooding control, although Mr. Lester did not note any prior flooding issues. The sprinkler room also housed an old fridge. The kitchen area had two walk-in freezers and two coolers belonging to Coca Cola. Mr. Lester indicated that these coolers, as well as the one in the reception area would be returned to Coca Cola prior to demolition. The electrical room housed a transformer.

#### Tennis Dome

The tennis dome was connected to the clubhouse via an outdoor, canvas-roofed walkway. It housed 3 tennis courts and a main administrative area. The administration area had fluorescent lights with ballasts, ACT and VFT. An HVAC unit kept the dome inflated and provided heating. The dome was connected to another three (3) outdoor tennis courts in a fenced area. It is understood that the Tennis Dome will continue to function until the lease expires on April 30, 2012.

#### Golf Cart Storage Building

The golf cart storage building was located south of the clubhouse. It stores the electric golf carts overnight. It was of wood frame construction with aluminum siding and concrete floors. There were 2

bay doors at the north and south end of the building. The building was equipped with 54 fluorescent bulbs with 27 ballasts. A Westinghouse transformer was observed located within the building.

### Pump House

The pump house was located east of the clubhouse, south of the pond at the intersection of Davis Drive and Crossland Gate. It housed pumps used for course irrigation. The pumps are no longer being used. The power supplying the pump house is currently used to run the marquis sign. The pump house was observed to be of wood construction with aluminum siding and concrete floors. This building housed pump equipment, a sump and a transformer.

As of November 2013, none of these structures remain on-site.

### 6.2.2. Below-ground Structures

As of November 2013, no buildings and thus, no below-ground structures remain on-site.

### 6.2.3. Storage Tanks

Table 6.2 summarizes the storage tanks found during the Site investigation and during the records searches.

**Table 6.2 – Storage Tanks**

Number	Location	Volume & Type	Construction	Contents	Condition
1	South of maintenance garage	300 Gallon Aboveground Tank	Steel	Dyed Diesel	Fair
2	South of maintenance garage	500 Gallon Aboveground Tank	Steel	Gasoline	Fair

The two aboveground fuel storage tanks (ASTs) were observed south of the maintenance garage on the adjacent property to the south of the Site. The tanks had no secondary containment. No olfactory evidence of petroleum product was detected around the tank areas. Ground surface staining was observed in two locations just northwest of the diesel AST and just north of the gasoline AST, with each stain being approximately 1 m x 1 m. The pump nozzle for the dyed diesel tank was left lying on the fallen vegetation on the ground. Based on the interview conducted, these tanks are still in use. From subsequent emails with Mr. Lester, he noted that the gas tank is in the process of removal by Kidd Fuels and should be removed by December 22, 2011. The diesel tank will be staying on Site.

Furthermore, there are no USTs currently present on Site based on the Site visit, interviews and records reviewed.

The subsequent Site visit in November 2013 confirmed that the gasoline tank had been removed and the diesel tank remained on the property to the south of the Site.

### 6.2.4. Water Supply

The Site is equipped with water, sanitary and gas servicing provided by the municipality.

### **6.2.5. Servicing**

Hydro power poles and lines run through the middle of the Property in a northwest–southeast direction, dividing the property into an east and west portion. A natural gas conduit was observed entering the Site by the tennis courts into the dome.

### **6.2.6. Underground Utilities**

The indications are that underground utilities entered the main clubhouse building at the north end of the Site. This information was unable to be confirmed.

### **6.2.7. Heating and Cooling Systems**

The buildings (maintenance and clubhouse) were heated via air ducts connected to the furnace. An air conditioning unit was observed in the basement and a disconnected air condition system was observed in the greenhouse.

### **6.2.8. Drains and Sumps**

Drains were observed in the shower areas of the locker rooms and laundry room within the clubhouse. Two grates were located in the floor of the maintenance garage and one outside the door of the storage shed as well. From a previous proactive pesticide inspection, it was noted that the floor drain in the maintenance garage did not lead directly or indirectly to a storm sewer, sanitary sewer or watercourse. Emails with Mr. Lester dating between December 16-17, 2011 noted that the floor grates are connected to a holding tank at the wash pad. It is assumed that the water is then discharged to the storm sewer, but the actual flow of excess water is unknown.

Sumps were identified in basement storage room and sprinkler of the clubhouse and did not exhibit any visual or olfactory indications of contamination.

### **6.2.9. Water Bodies**

Five (5) stormwater management ponds were observed during the Site investigation. According to Mr. Lester, they are all connected via a piping system, including ponds located on the rest of the golf course. The ponds are all man-made and are fed from and discharge to the storm sewer system.

### **6.2.10. Wells**

During the November 2013 Site visit, four (4) monitoring wells were observed on-site. It is assumed that these wells were utilized during the Hydrogeological Investigation conducted on-site.

### **6.2.11. Sanitary Servicing**

The Site is municipally serviced for sanitary services by the Town of Newmarket.

## 6.2.12. Hazardous Materials and Designated Substances

Designated substances are substances, which are specifically regulated under the *Ontario Occupational Health and Safety Act* and have special requirements with respect to their handling and management. These substances are asbestos, lead, acrylonitrile, arsenic, benzene, coke oven emissions, ethylene oxide, isocyanates, mercury, silica and vinyl chloride. No hazardous materials or designated substances were observed during the follow-up Site visit in November 2013.

### Asbestos Containing Materials

Asbestos containing materials (ACMs) were commonly used in the construction industry for their strength and ability to withstand high temperatures. The use of ACM within construction materials were banned in the mid 1980s.. Materials that may contain asbestos include drywall joint compound, mechanical insulation, roofing materials, floor and ceiling tiles and fire doors.

Acoustic ceiling tile and vinyl flooring tile were observed throughout the clubhouse. Based on the age of the building, the potential exists for ACMs to be present.

### Lead

Lead is potentially present in buildings as an integral component of plumbing materials as well as within older painted surfaces. Based on the age of the building, there is the potential that lead based paints may have been applied. Chipped paint was observed on the walls in the laundry room.

### Ozone Depleting Substances (ODS)

ODSs are typically used as coolants in refrigerants and air-conditioning equipment and as blowing agents in foam-product manufacturing. The release from cooling equipment can be caused by leaks as well as during installation and servicing.

Two walk-in coolers, a refrigerator, three Coke refrigerators and an air-conditioning (AC) unit were observed in the clubhouse. Several water coolers were observed around the clubhouse as well. The refrigerant used in the water coolers was identified to be R134A, which is not an ODS. Two fairly new refrigerators were observed in the maintenance garage and a disconnected AC unit was found in the greenhouse. The refrigerants used in the refrigerators and AC units were unable to be confirmed. Although it is unlikely that the walk-in freezers contain ODSs, it is possible that the AC units and refrigerator in the sprinkler room do contain ODSs.

### Silica

Silica is a designated substance that occurs naturally in the environment. Construction materials such as sand, sandstone, granite, clay and concrete and masonry products contain silica. Disturbance of silica in the form of dust would only be a health and safety issue for workers during future construction and demolition activities. Construction/demolition related activities that disturb silica include grinding, cutting, drilling, scraping or crushing of silica-containing materials. Silica will exist in the concrete floors and foundations of the various buildings on the property. Precautions shall be taken in accordance to Ontario Regulation 845/90 (amended by O. Reg. 391/00) and the Ministry of Labour Guideline Silica on Construction Projects September 2004, during any future demolition or renovation work to prevent inhalation of silica dust.

## **Mercury**

Mercury is toxic, persistent and has a tendency to bioaccumulate in the environment. Therefore, it is listed in Schedule I of the Canadian Environmental Protection Act, 1999 (CEPA), the List of Toxic Substances. Mercury is regulated by Ontario Regulation 844/90 (amended to O. Reg. 390/00) to protect the health and safety of workers who will come into contact with mercury. In addition, the disposal of mercury is regulated by Ontario, Regulation 347/90 General Waste Management, as amended by Ontario Regulation 558/00. No potentially mercury-containing items were observed at the time of the Site visit.

## **Polychlorinated Biphenyls (PCBs)**

PCBs may refer to one, or any combination of 209 specific chemicals that are similar in structure. They are extremely persistent, do not break down easily on their own and they are difficult to destroy. PCBs were first manufactured in 1929. For many decades, they were used widely as ingredients in many industrial materials such as sealing and caulking compounds, inks and paint additives. PCBs were also used to make coolants and lubricants for certain kinds of electrical equipment, such as transformers, ballasts and capacitors. With high levels of exposure, PCBs can accumulate in the human body and remain there for many years.

Almost all of the ceiling light fixtures used fluorescent bulbs with ballasts. It is possible that the ballasts are PCB-containing. Transformers were noted in the electrical room of the clubhouse, golf cart storage building, pump house and greenhouse, as well as a large one connected to the hydro pole west of the clubhouse. It is possible that the transformers may contain PCBs.

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

Between 1970 and 1980 UFFI was sold and used as alternative foam insulation for a variety of construction projects. It was typically applied by injecting foam into areas such as behind walls, where it expanded. It was often injected through small holes uniformly spaced in the exterior wall cavity. The use of UFFI was banned in 1980 by the federal *Hazardous Products Act* (1976) due to noxious gases released during its use/breakdown.

Based on the age of the building and the type of construction, it is unlikely that UFFI was used.

## **Mould**

Mould is considered a health concern and therefore indicators of the presence of mould were also investigated during the Site visit. A cursory examination of the building did not identify evidence of visible mould.

## **Radon**

The decay of uranium to radium and radon gas can be found in areas of bedrock containing black shale and/or granite. The accumulation of radon gas can be harmful when collected in confined spaces such as basements. Based on the Site geology available, there is no black shale and/or granite in the subsurface geology. Therefore there are no environmental concerns relating to radon gas emissions from these rocks.

### **6.2.13. Unidentified Substances**

No unidentified substances were observed during the site investigation.



#### **6.2.14. Hazardous Materials**

A variety of chemicals and hazardous materials were observed in the clubhouse, golf cart storage building, pump house, maintenance garage, greenhouse, tennis dome and storage shed. The materials present were generally stored properly with no visual or olfactory signs of impacts present.

Cleaning agents were found in the laundry room, janitorial room, kitchen and maintenance shed. These agents included soaps and detergents, hand and body foam soap, hand sanitizer, pool cleaning chemicals, floor cleaner, window cleaner, dust repellent. In addition to cleaning supplies, the maintenance shed also holds ten (10) to fifteen (15) 20 L jugs of motor oil, paint cans, grease cans and has a chemical storage room which holds various chemicals including pesticides.

Eight (8) large batteries were stored in the golf cart storage building.

A diesel AST and gasoline AST were observed in the maintenance area, south of the maintenance garage. They were in fair condition, but lacked secondary containment. The storage shed housed fertilizers and pesticides.

Wall and floor staining was around the buckets of laundry detergent in the laundry room. There were no signs of staining in other areas housing hazardous materials.

#### **6.2.15. Ground Surface**

The ground cover at the Site consisted mostly of manicured lawns typical of a golf course. Asphalt and gravel pavement parking areas and pathways were observed around the former building locations.

#### **6.2.16. Surface Stains and Stressed Vegetation**

Surface staining was noted just northwest of the diesel tank and just north of the gasoline tank on the adjacent property to the south of the Site and appears to be fuel from equipment and vehicle maintenance. The stains were each approximately 1 m x 1 m in size. They were located on a gravel surface surrounded by fallen vegetation, making it difficult to determine if there is pavement underlying these materials and the condition of the pavement if it exists under the tanks. The stains appear on the pavement, however, the stain by the diesel tank extends onto the wooden border of the vegetated area and slightly onto the ground in the vegetated area.

The presence of stressed vegetation was not observed.

#### **6.2.17. Railway Lines**

No railway lines were observed on-site.

#### **6.2.18. Fill and Debris**

The presence of fill and debris material was not observed on the Site during the Site visit.

### 6.2.19. Noise and Odour

No noise or odours were observed on the Site during the Site visit.

### 6.2.20. Enhanced Investigation Details

The Phase One ESA Site is not considered an enhanced property since it has not been historically used in whole or in part as a garage and a bulk liquid dispensing facility for vehicle and equipment utilized in day-to-day operations.

## 6.3. Written Description of Investigation

The record reviews, Site visits and interviews conducted for the Site indicate that the subject Site has historically been used as agricultural purposes since its transfer from the Crown in 1804. From 1956-1994, it was owned by various private companies, however, aerial images show that the Site remained in use for agricultural purposes until approximately 1985. The Site was developed into a golf course and owned by Glenway Estates Country Club from 1994 to 2010. It is now owned by Marianneville Developments Limited.

The information gathered through available databases, the Site visit and interviews indicates that potentially contaminating activities have been conducted on the subject Site and are related to bulk fuel storage, vehicle maintenance, pesticide and fertilizer use and storage and waste generation.

Based on the findings of the Phase I ESA which included a thorough records review, Site visit and interview process, an area of potential environmental concern has been identified and warrants further investigation via a Phase II ESA. Two (2) of the APECs are located on the southern parcel of the property housing the fuel tanks and maintenance garage and the third APEC encompasses the entire Site. Contaminants of concern are petroleum hydrocarbons, VOCs, metals/inorganics and pesticides.

## 7.0 Review and Evaluation of Information

### 7.1. Current and Past Uses

Table 7.1 summarizes the review of information from the Chain of Title, City Directories and Aerial Photographs and suggests that the current and past uses of the subject Site are as follows:

**Table 7.1 – Current and Past Uses**

Year (approx)	Use
Prior to 1804	Crown land
1804-1956	Individual land owners – likely rural residential/agricultural land-use
1956-1994	Various investment and construction companies
1994-2010	Glenway Estates Country Club Ltd.
2010-present	Marianneville Developments Limited

## 7.2. Potential Contaminating Activities

Background searches for the Site suggest that the property was used historically for rural agricultural purposes and has functioned as a golf course since 1994. Based on the records reviewed, Site visit and interviews, potential environmental concerns are present on the Site relating to vehicle maintenance, pesticide and fertilizer use and storage, waste generation and PCB, ODS and lead contamination. The property adjacent to the south side of the Site was identified to have current and historical bulk fuel contained within aboveground storage tanks. Although waste generation activities take place to the south of the Site and a number of minor spills have occurred off-site, they are not expected to impact the site. Pesticide use and storage is a potential environmental concern off-site in the residential area in the middle of the golf course at 306 Crossland Gate.

PCAs associated with the Site and adjacent properties are summarized in Table 7.2 below:

**Table 7.2 – Potentially Contaminating Activities**

Site	Potentially Contaminating Activity
Site (470 Crossland Gate)	Storage, maintenance, fuelling and repair of equipment, vehicles and material used to maintain transportation systems Transformer manufacturing, processing and use Fertilizer manufacturing, processing and bulk storage Pesticides (including herbicides, fungicides and anti-fouling agents) manufacturing, processing, bulk storage and large-scale applications
Off-Site (adjacent property to the south of the Site)	Gasoline and associated products storage in fixed tanks
Off-Site (306 Crossland Gate)	Pesticides (including herbicides, fungicides and anti-fouling agents) manufacturing, processing, bulk storage and large-scale applications

## 7.3. Areas of Potential Environmental Concern

The following APECs were identified for the subject Site and are summarized in Table 7.3:

**Table 7.3 – Areas of Potential Environmental Concern**

APEC #	Contaminants of Concern – media affected	Location	Rationale
APEC-1	PHCs, VOCs	Around diesel and gasoline ASTs	Potential for fuel leaks or spills resulting from the presence of a diesel AST and gasoline AST. Staining was noted during the Site visit on the north side of the tanks. The tanks do not have secondary containment and the pump to the diesel tank was left lying on the ground.
APEC-2	Pesticides	Entire Site	Application of pesticides on the Site as well as potential spills from the off-site pesticides operator may have resulted in soil and groundwater contamination due to migration of the chemicals.

The list of APECs identified is based on our observations of current site conditions and understanding of historical uses though various searches and as such, some level of uncertainty is inherent. The key

factors which contribute to the uncertainty would be the lack of documentation surrounding potential spill events on the Site.

#### 7.4. Phase One Conceptual Site Model

The stratigraphy underlying the subject Site generally includes fine grained materials characteristic of the Newmarket Till, however, is interspersed with sand deposits. An east-west cross section for the Site is shown in **Figure 11**. The topography undulates on a site scale and tends to slope towards the northeast on a more regional scale. According to the Hydrogeological Investigation conducted for the Site by CEG, on a regional scale, groundwater flows generally northerly towards Lake Simcoe. Interpreted groundwater flow pattern in the shallow zone is shown in **Figure 12** for the spring (March 14, 2012) and summer (July 10, 2012) events, when water levels are typically highest and lowest, respectively. In general, there is a divide across the middle of the Site, from which groundwater flows north-westerly and south-easterly. No significant seasonal variation was observed in the flow pattern throughout the monitoring events.

Potential contaminants may be introduced to the Site via current and historical activities on the subject Site and from neighbouring properties. Fuel storage tanks that were used currently and historically on the property to the south of the Site may have leaked or spilled and resulted in soil contamination. Similarly, vehicle maintenance may have also contributed to impacts on the facility. Other potential environmental concerns on the Site would include pesticide and fertilizer use and storage and waste generation. Potential sources of PCBs, ODSs and lead in the buildings will need to be addressed prior to demolition. Potential off-site environmental concerns include pesticide use and storage.

There is the potential that spills may have occurred as a result of the use and mixing of pesticides and/or herbicides on-site as well as off-site. Although the half-life of most pesticides and herbicides is quite short when sprayed, the potential exists for larger spills to have occurred and not been reported resulting in soil contamination. Pesticides/herbicides storage was observed in the maintenance garage area and a landscaping company with a licensed pesticide operator is located in the residential area in the middle of the Site. If spills occurred, it is possible that the chemicals would be introduced to the soil and groundwater system. The use of more persistent chemicals for the spraying of the greens would likely be present in shallow soils in the area of application, provided that the soil materials were not reworked extensively or moved.

Fuel storage tanks that were used historically on the property to the south of the Site may have leaked or spilled and resulted in soil contamination. Two (2) ASTs and no underground storage tanks (USTs) were observed here. The ASTs were located southwest of the maintenance garage. The tanks appeared in good condition; however, staining was observed suggesting the potential for spills and leaks entering the subsurface soils. PHCs could travel downwards through the subsurface materials until intercepted by the water table. The water level in this area is known to be shallow. PHCs would likely flow in the direction of groundwater flow in a north, north-easterly direction if introduced and be limited to the zone of water table fluctuation.

The variety of potential contaminants of concern include: PHCs (BTEX, F1-F4), VOCs, pesticides and metals and inorganics. It is possible for these contaminants to travel downwards until intercepted by the water table. Preferential pathways introduced by road bedding and underground utilities could act to transmit potential concerns.

A Conceptual Site Model figure is attached as **Figure 10**.

## **8.0 Conclusions and Recommendations**

It is our understanding that the subject Site has historically been used as agricultural purposes since its transfer from the Crown in 1804. From 1956-1994, it was owned by various private companies, however, aerial images show that the Site remained in use for agricultural purposes until approximately 1985. The Site was developed into a golf course and owned by Glenway Estates Country Club from 1994 to 2010. It is now owned by Marianneville Developments Limited.

According to the latest amendment of O. Reg. 153/04, an RSC is not required for the Site as the proposed residential development does not constitute a change to a more sensitive land use. However, if an RSC is required for the Site by other parties, the Phase I ESA has been written in accordance with the latest amendments of O. Reg. 153/04 so that it may support the submission of an RSC for the Site.

The land use surrounding the Site is predominantly residential. A rural residential property lies north of the Site. Recreational and institutional facilities lie to the south of the Site and a GO Transit bus terminal and commercial establishments lie to the east.

The information gathered through available databases, the Site visit and interviews indicates that PCAs have been conducted on the subject Site and are related to bulk fuel storage, vehicle maintenance, pesticide and fertilizer use and storage and waste generation.

Based on the findings of the Phase I ESA which included a thorough records review, Site visit and interview process, APECs have been identified and warrant further investigation via a Phase II ESA. Two (2) of the APECs are located on the southern parcel of the Property housing the fuel tanks and maintenance garage and the third APEC encompasses the entire Site. Contaminants of concern are PHCs, VOCs, metals/inorganics and pesticides.

### **8.1. Whether Phase Two ESA Required Before RSC Submitted**

It was our understanding that the Phase I ESA was required to fulfill due diligence requirements and that the filing of an RSC is not required. However, based on the findings of the Phase I ESA which included a thorough records review, Site visit and interview process, APECs have been identified on-site and therefore further investigation through the completion of a Phase II ESA is warranted if an RSC becomes required to be submitted for the Site.

### **8.2. Signatures**

The findings contained herein have been produced in accordance with generally accepted environmental site assessment protocol by a Qualified Person, as per O.Reg. 153/04. CEG believes that the data presented in this report concerning the subject Site is reliable at the time it was collected.

Prepared by:

**COLE ENGINEERING GROUP LTD.**



Tabitha Lee, M.A.Sc., P.Eng.  
Senior Environmental Engineer

/ac/ao



Andre Lyn, B.E.S. P.Geo.(Ltd.)  
Environmental Specialist

## **9.0 References**

- Canadian Public Transit Discussion Board. Newmarket GO Bus Terminal. 2010.
- Canadian Standards Association. Publication Z768-01 Phase I Environmental Site Assessment. November 2001.
- Chapman, L. J. and Putnam, D.F. The Physiography of Southern Ontario. 3rd ed. Ontario Geological Survey. Toronto. Ontario Ministry of Natural Resources. 1984.
- Chapman, L.J. and Putnam, D.F. Physiography of Southern Ontario; Ontario Geological Survey, Miscellaneous Release-Data 228. 2007.
- Cole Engineering Group Ltd. Hydrogeological Investigation, Estates of Glenway, Town of Newmarket, Ontario. November 22, 2013.
- GeoGratis. Natural Resources Canada, 2010.
- Google Earth Pro. 2011.
- Land Information Ontario. Ministry of Natural Resources. 2011.
- National Air Photo Library. 2011.
- Natural Resources Canada, Centre for Topographic Information. 2002.
- Office of the Legislative Assembly of Ontario. House Hansard Search. November 24, 1994.
- Ontario Geological Survey. Bedrock Geology of Ontario Seamless Coverage Data Set 6. 2005.
- Ontario Geological Survey. Surficial geology of Southern Ontario; Ontario Geological Survey, Miscellaneous Release-Data 128. 2003.
- Ontario Ministry of the Environment. Water Well Information System – Well Record Data Release Version 2.01. Accessed November 2011. Queen’s Printer for Ontario. 2011.
- Ontario Ministry of Natural Resources. Geographic Query Report. Natural Heritage Information Centre. Queen’s Printer for Ontario. 2010.
- Soil Engineers Limited. A Soil Investigation for Proposed Residential Subdivision, Estates of Glenway, Newmarket, March, 2012.
- Soil Engineers Limited. Phase I Environmental Site Assessment, Property Assessment (Golf Course), 470 Crossland Gate, Town of Newmarket. January 22, 2008.
- Zelinka Priamo Ltd. Draft Plan of Subdivision. September 2011.

## 10.0 Assessor Qualifications

The Site visit for this assessment was completed by Andrew O'Connell, B.E.S. who is an environmental specialist with over five (5) years of experience conducting Phase I & II Environmental Site Assessments, including designing and conducting soil and groundwater sampling programs. Andrew also has extensive field experience in groundwater, surface water and distribution water quality monitoring and field testing programs, baseline environmental studies and ecosystem-based monitoring programs.

Andre Lyn has over thirteen (13) years of experience in Phase I and II Environmental Site Assessments (ESAs), remedial action plans, site remediation, site audits, environmental monitoring for construction projects, hazardous materials management and industrial site decommissioning. Responsibilities have included field surveys and obtaining groundwater, soil, sediment, lead and asbestos samples and preparing closure reports and tender documents and specifications.

Tabitha Lee has over ten (10) years of experience providing environmental consulting services to both public and private sector clients. She is the Business Unit Leader for Environmental Management which specializes in Site Assessment & Remediation, Hydrogeology and Environmental Assessments. Her portfolio includes a variety of experience in the environmental contamination industry from both a technical and management perspective including Phase I, II and III Environmental Site Assessments (ESAs), risk assessments, record of site conditions, soil management, groundwater investigations, contaminant transport modeling, landfill monitoring, contaminant inventories, environmental audits, compliance monitoring, peer review and the preparation of remedial action plans, contaminant management plans and environmental management plans.

She has provided environmental consulting services for federal clients including the Department of Fisheries and Oceans, Transport Canada and Pickering Lands Sites on behalf of Public Works and Government Services Canada (PWGSC), municipal clients such as York Region and the Town of Markham and utility providers such as Bell-Nexacor and Toronto Hydro. The contaminated sites she has been involved with have mainly included addressing soil and water contamination associated to petroleum hydrocarbon, dissolved phase DNAPL contamination and PCBs.

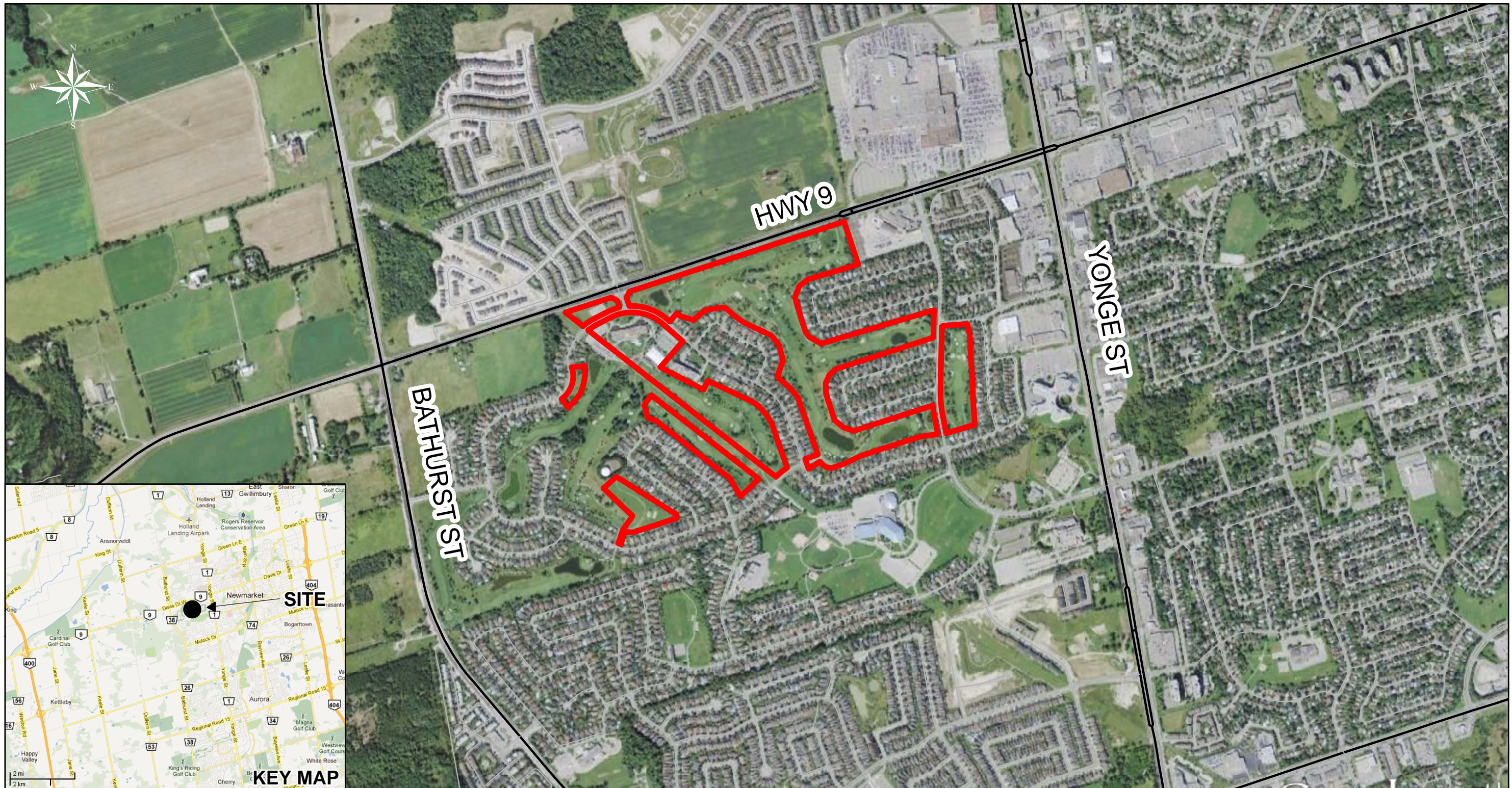
## 11.0 Limiting Conditions

This report was prepared solely for use by Ms. Joanne Barnett of The Kerbel Group Inc. on behalf of Marianneville Developments Ltd and the Town of Newmarket. The findings contained herein have been produced in accordance with generally accepted environmental site assessment protocol. Cole Engineering Group Ltd. (CEG) believes that the data presented in this report concerning the subject Site is reliable at the time it was collected. CEG does not guarantee that the information provided is absolutely accurate beyond current accepted environmental site assessment standards. There is a possibility that items of environmental concern could not be identified within the scope of the assessment or were not apparent during the Site visit.



## Figures





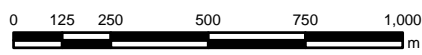
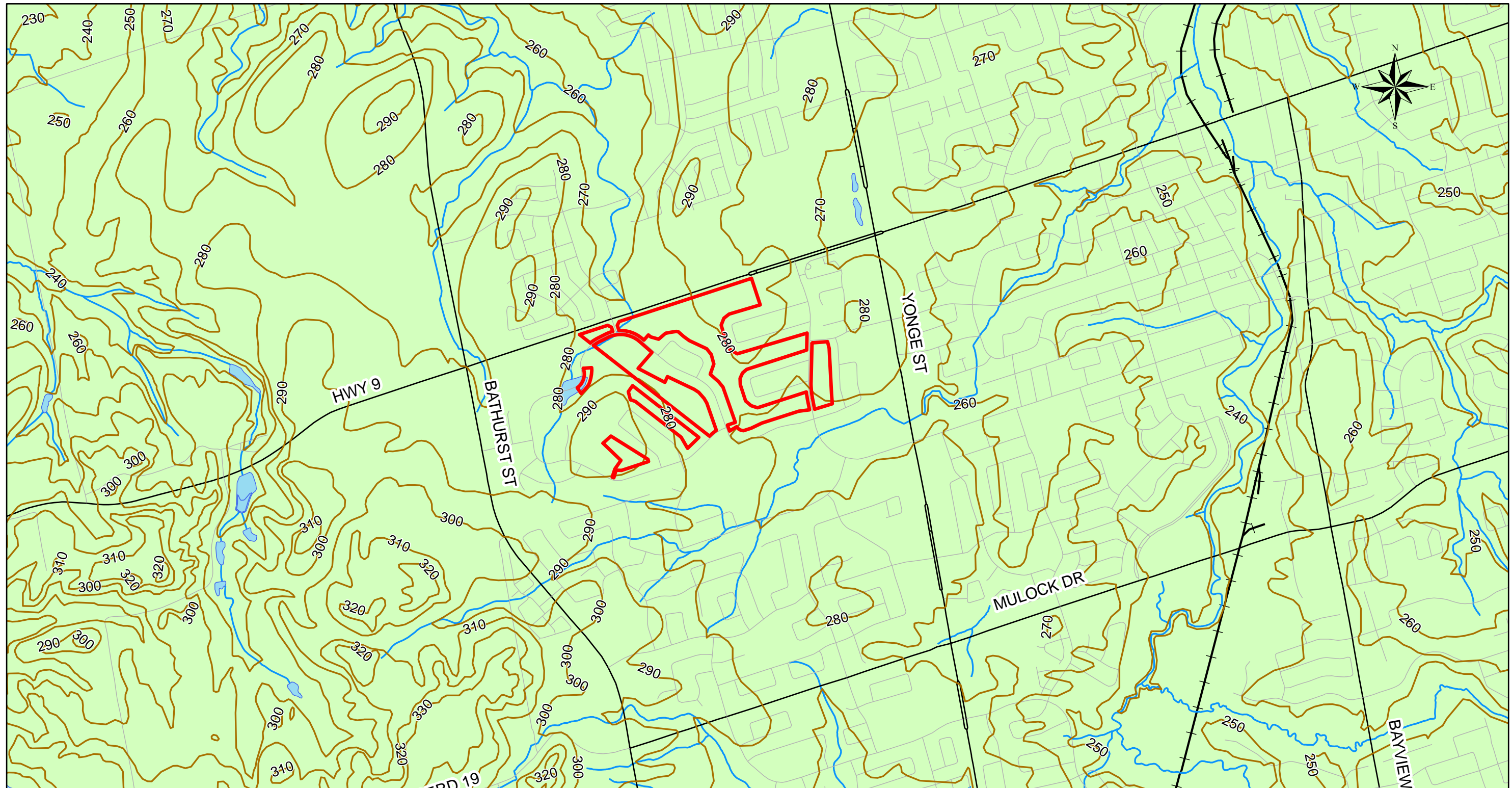
Source: Google Earth, 2012 (2009 image)  
 Google Maps, 2011 (Key Map)  
 Produced by Cole Engineering under license  
 from Ontario Ministry of Natural Resources  
 Copyright (c) Queen's Printer, 2010

<b>LEGEND</b>
Site
<b>Road</b>
Arterial
Collector

**Site Location Map**  
 Phase I Environmental Site Assessment  
 Marianneville Development Limited  
 470 Crossland Gate, Newmarket, ON

 Figure No. <b>1</b>	Project No: L09-301
	Drawn By: AC
	Checked by: TL
	Date: January 2012



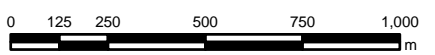
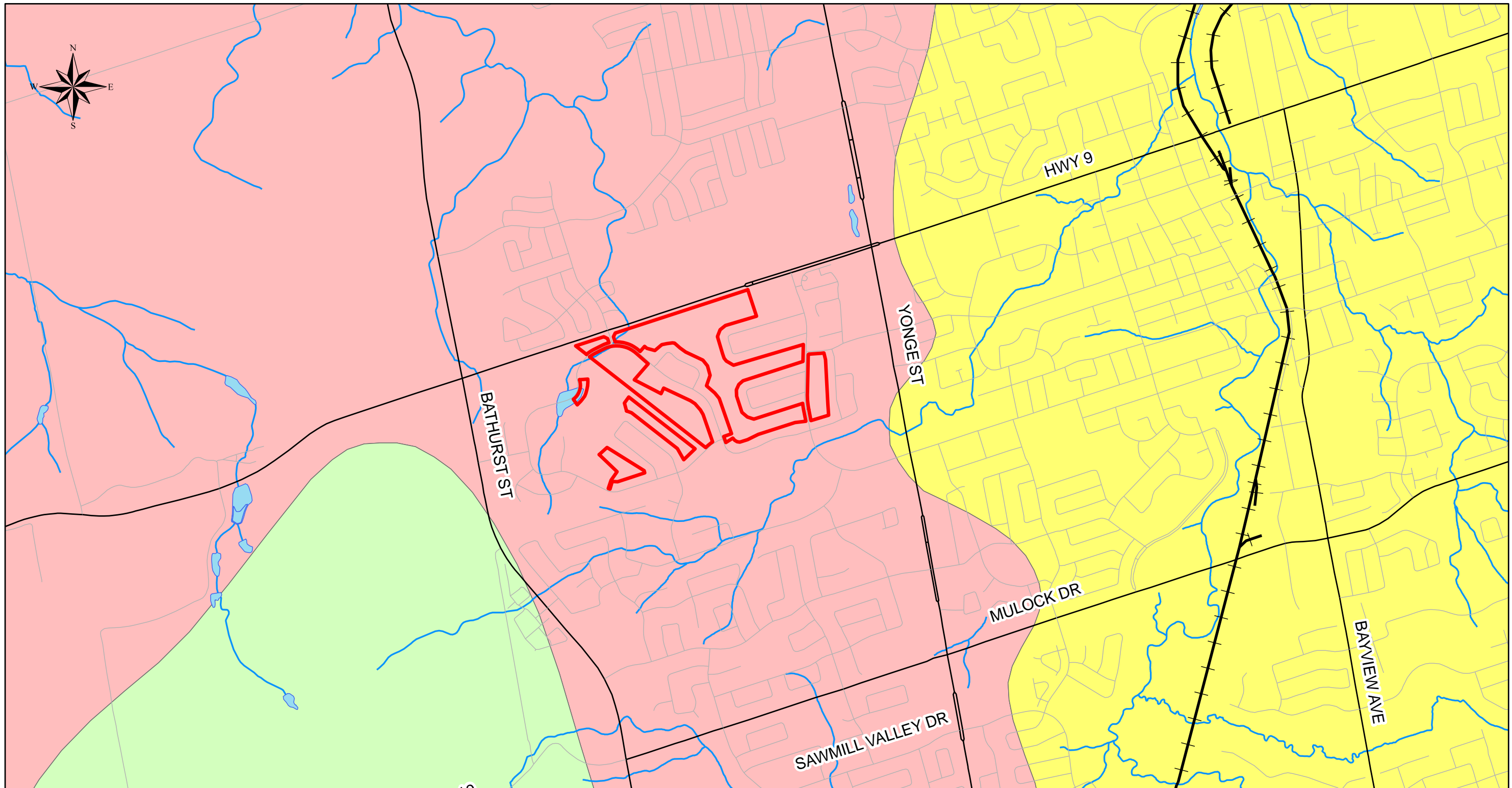


Source: Produced by Cole Engineering under license from Ontario Ministry of Natural Resources  
 Copyright (c) Queen's Printer, 2010  
 Natural Resources Canada, Centre for Topographic Information, 2002

LEGEND	
Site	Railway
<b>Road</b>	Watercourse
Arterial	Waterbody
Collector	Elevation (m)

**Local Topography**  
**Phase I Environmental Site Assessment**  
**Marianneville Development Limited**  
**470 Crossland Gate, Newmarket, ON**

 Figure No. <b>2</b>	Project No: L09-301
	Drawn By: AC
	Checked by: TL
	Date: January 2012



Source: Produced by Cole Engineering under license from Ontario Ministry of Natural Resources Copyright (c) Queen's Printer, 2010 Physiography of Southern Ontario, Ontario Geological Survey, MRD 228.

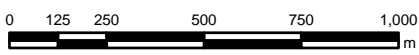
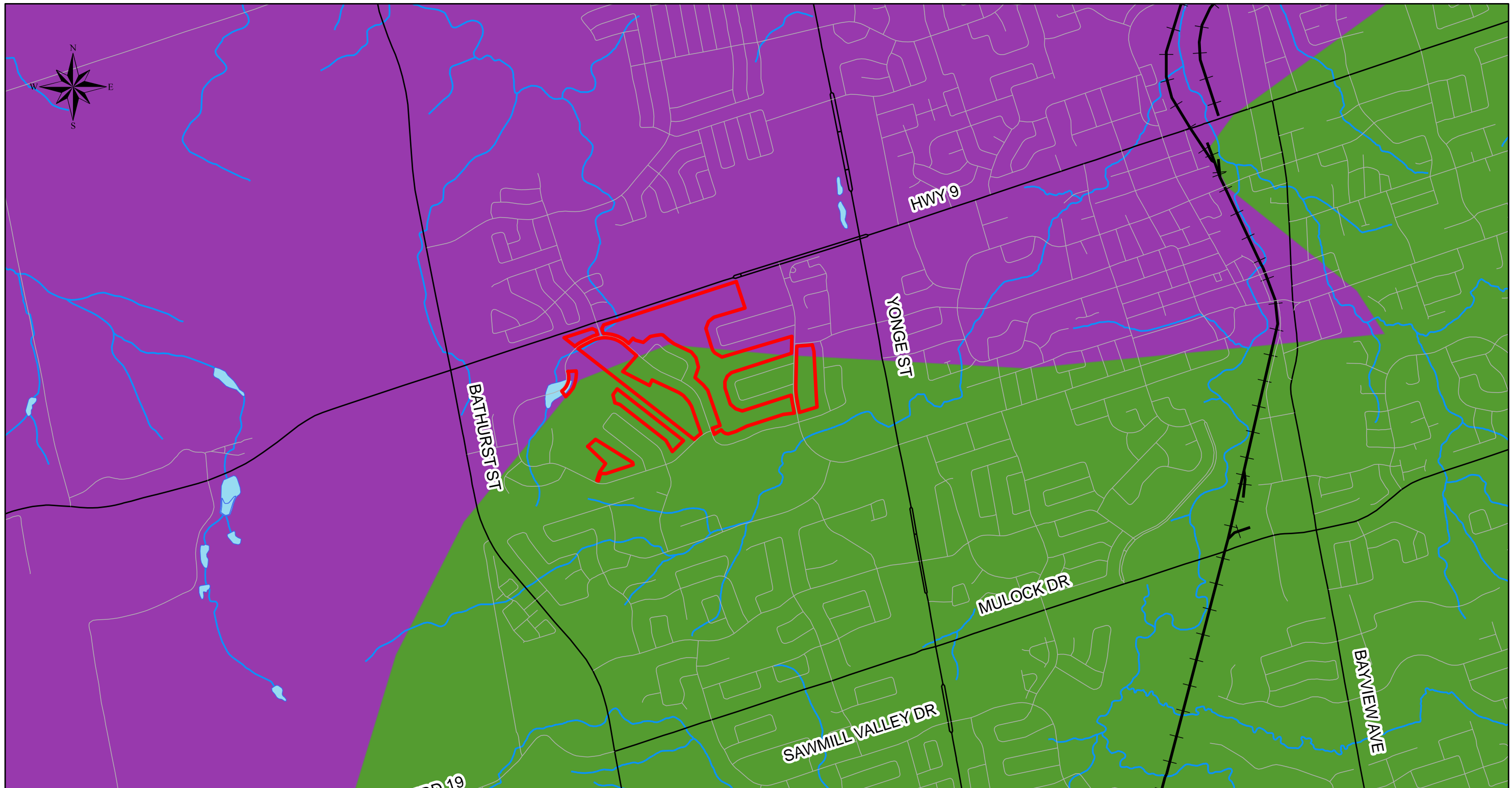
LEGEND		Physiographic Region
Site	Railway	Oak Ridges Moraine
Road	Watercourse	Schomberg Clay Plains
Arterial	Waterbody	Simcoe Lowlands
Collector		

## Physiography

### Phase I Environmental Site Assessment Marianneville Development Limited 470 Crossland Gate, Newmarket, ON

 Figure No. <b>3</b>	Project No: L09-301
	Drawn By: AC
	Checked by: TL
	Date: January 2012



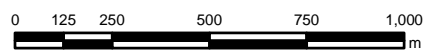
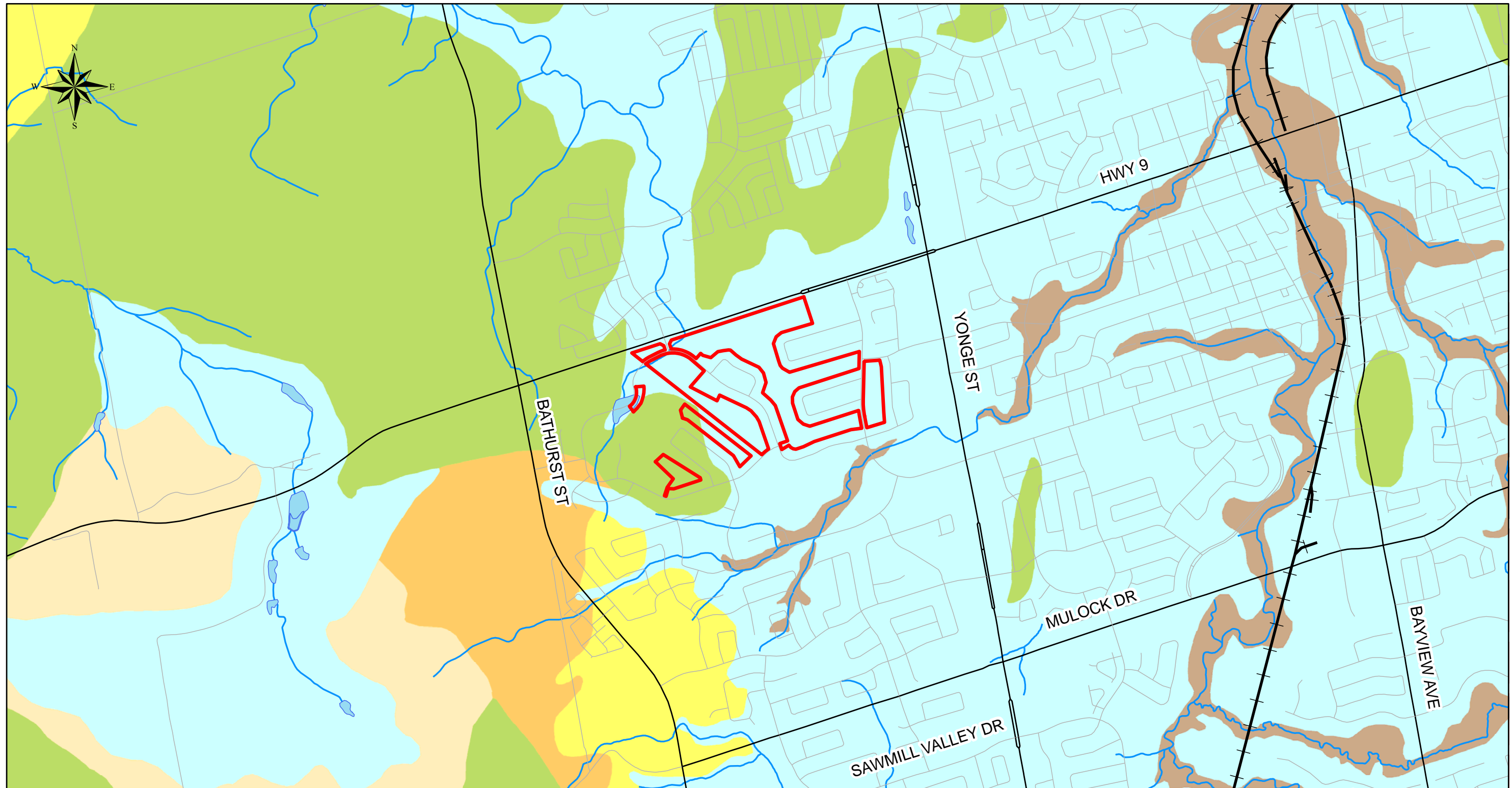


Source: Produced by Cole Engineering under license from Ontario Ministry of Natural Resources  
 Copyright (c) Queen's Printer, 2010  
 Bedrock Geology of Ontario, Seamless Coverage  
 Data Set 6, Ontario Geological Survey, 2005.

LEGEND		Bedrock Geology
Site	Railway	<b>Stratigraphy</b>
Road	Watercourse	Georgian Bay Fm.; Blue Mountain Fm.; Billings Fm.; Collingwood Mb.; Eastview Mb.
Arterial	Waterbody	Ottawa Gp.; Simcoe Gp.; Shadow Lake Fm
Collector		

**Bedrock Geology**  
 Phase I Environmental Site Assessment  
 Marianneville Development Limited  
 470 Crossland Gate, Newmarket, ON

 Figure No. <b>4</b>	Project No: L09-301
	Drawn By: AC
	Checked by: TL
	Date: January 2012



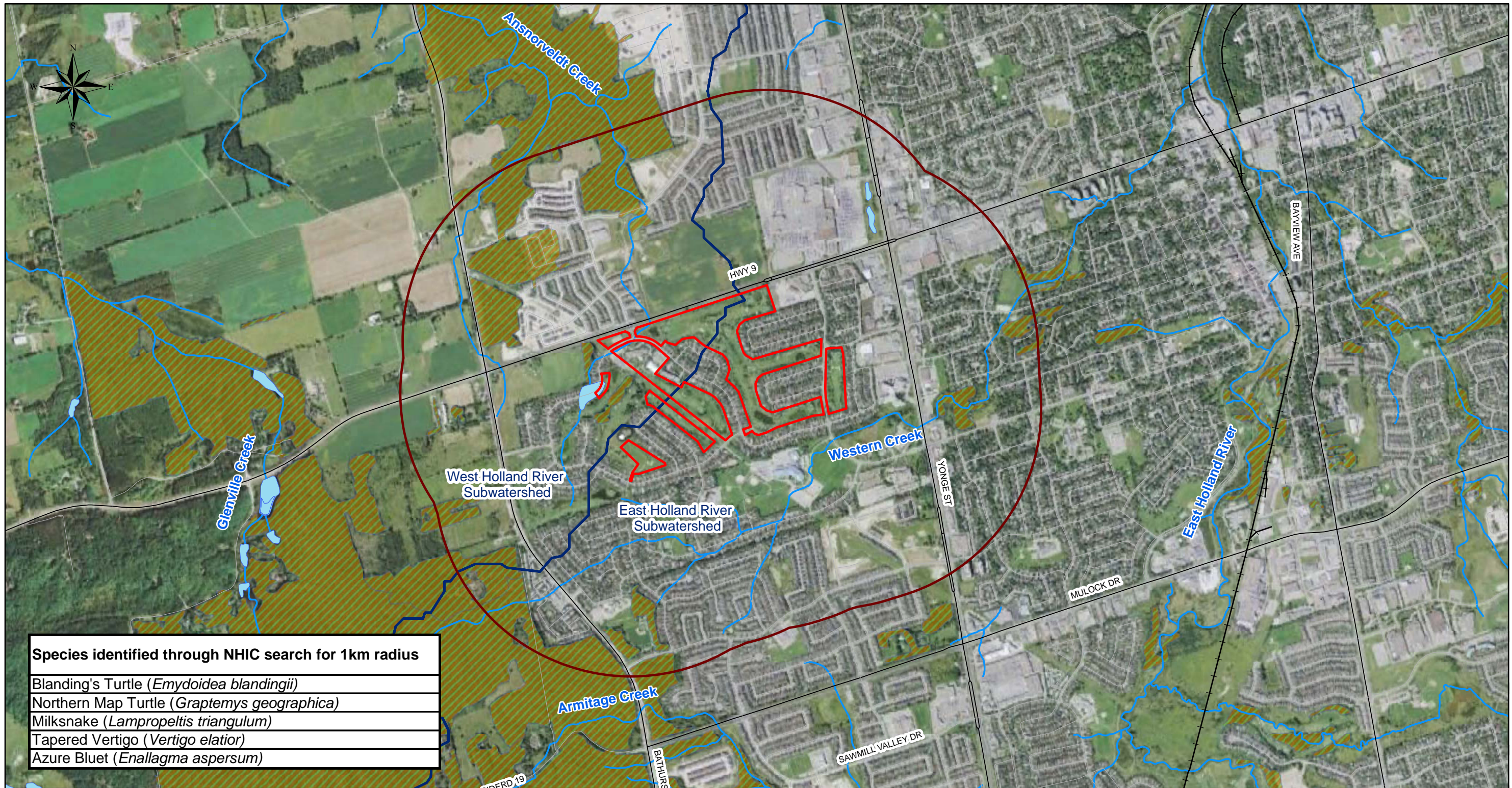
Source: Produced by Cole Engineering under license from Ontario Ministry of Natural Resources  
 Copyright (c) Queen's Printer, 2010  
 Surficial Geology of Southern Ontario, Ontario Geological Survey, 2003.

LEGEND		Surficial Geology
Site	Railway	5b: Stone-poor, carbonate-derived silty to sandy till (Newmarket Till)
Road	Watercourse	6: Ice-contact stratified deposits (sand)
Arterial	Waterbody	7: Glaciofluvial deposits (sand)
Collector		8a: Massive-well laminated silt and clay
		9c: Foreshore-basinal deposits (sand and silty sand)
		19: Modern alluvial deposits (sand and silt, minor gravel, organic matter and clay)

**Surficial Geology**  
**Phase I Environmental Site Assessment**  
**Marianneville Development Limited**  
**470 Crossland Gate, Newmarket, ON**

 Figure No. <b>5</b>	Project No: <b>L09-301</b>
	Drawn By: <b>AC</b>
	Checked by: <b>TL</b>
	Date: <b>January 2012</b>





**Species identified through NHIC search for 1km radius**

Blanding's Turtle ( <i>Emydoidea blandingii</i> )
Northern Map Turtle ( <i>Graptemys geographica</i> )
Milksnake ( <i>Lampropeltis triangulum</i> )
Tapered Vertigo ( <i>Vertigo elatior</i> )
Azure Bluet ( <i>Enallagma aspersum</i> )

Source: Google Earth, 2011 (2009 image)  
 Produced by Cole Engineering under license  
 from Ontario Ministry of Natural Resources  
 Copyright (c) Queen's Printer, 2010  
 Ministry of Natural Resources, Natural  
 Heritage Information Centre, 2011

**LEGEND**

Site	Railway	1 km Buffer Around Site
Road	Waterbody	Watershed Boundary
Arterial	Watercourse	
Collector	Wooded Area	

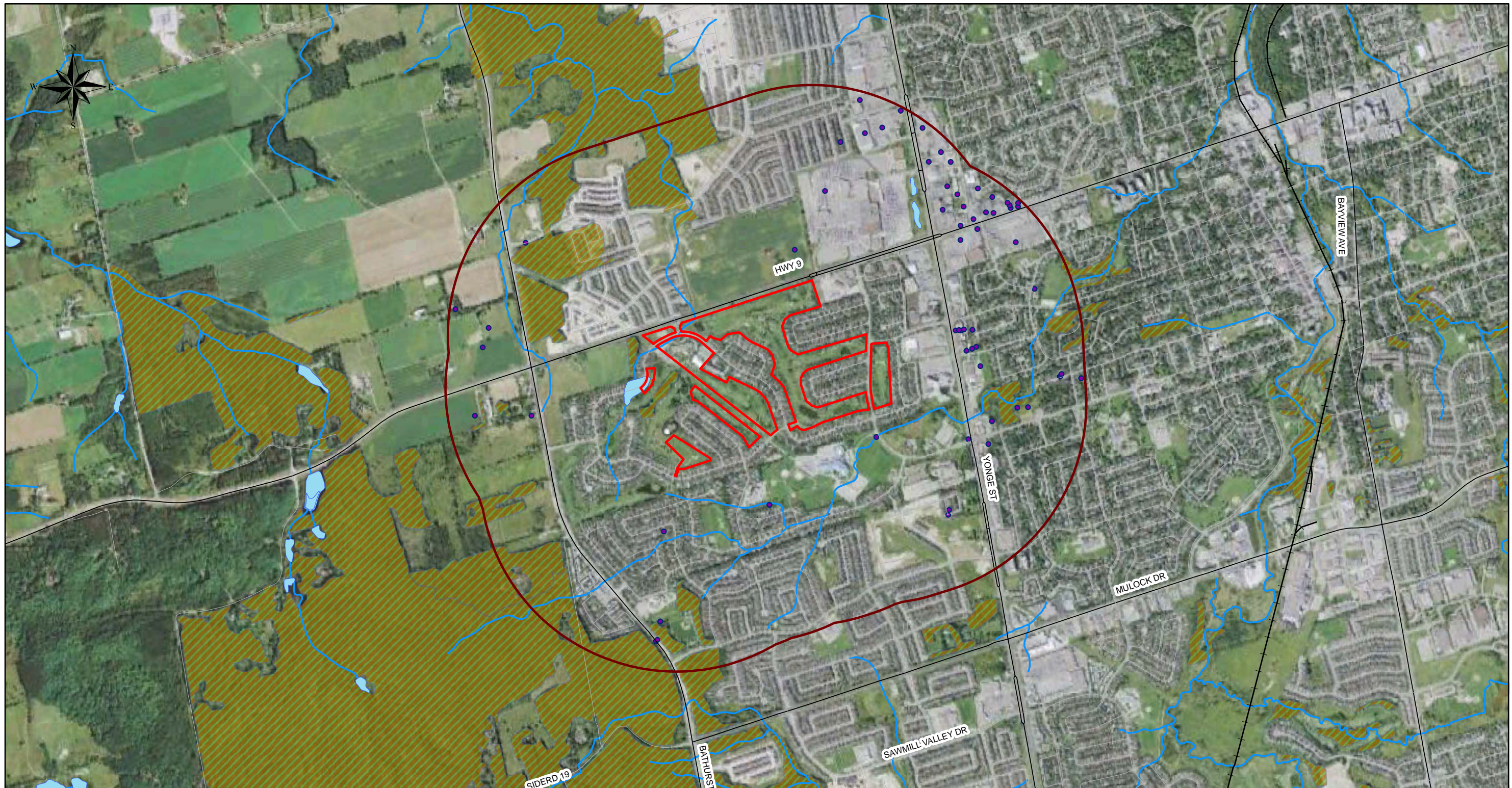
**Areas of Natural Significance**  
**Phase I Environmental Site Assessment**  
**Marianneville Development Limited**  
**470 Crossland Gate, Newmarket, ON**



Project No:	L09-301
Drawn By:	AC
Checked by:	TL
Date:	January 2012

Figure No.  
**6**





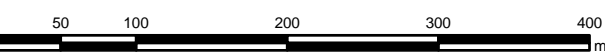
Source: Google Earth, 2012 (2009 image)  
 Produced by Cole Engineering under license  
 from Ontario Ministry of Natural Resources  
 Copyright (c) Queen's Printer, 2010  
 Ministry of the Environment, Well Records  
 Copyright (c) Queen's Printer, 2010

LEGEND		
Site	Railway	Wooded Area
1km Buffer Around Site	MOE Wells	Waterbody
<b>Road</b>	Watercourse	
Arterial		
Collector		

**MOE Well Records**  
**Phase I Environmental Site Assessment**  
**Marianneville Development Limited**  
**470 Crossland Gate, Newmarket, ON**

 Figure No. <b>7</b>	Project No: <b>L09-301</b>
	Drawn By: <b>AC</b>
	Checked by: <b>TL</b>
	Date: <b>January 2012</b>





Source: Google Earth, 2011 (2009 image)  
 Produced by Cole Engineering under license  
 from Ontario Ministry of Natural Resources  
 Copyright (c) Queen's Printer, 2010

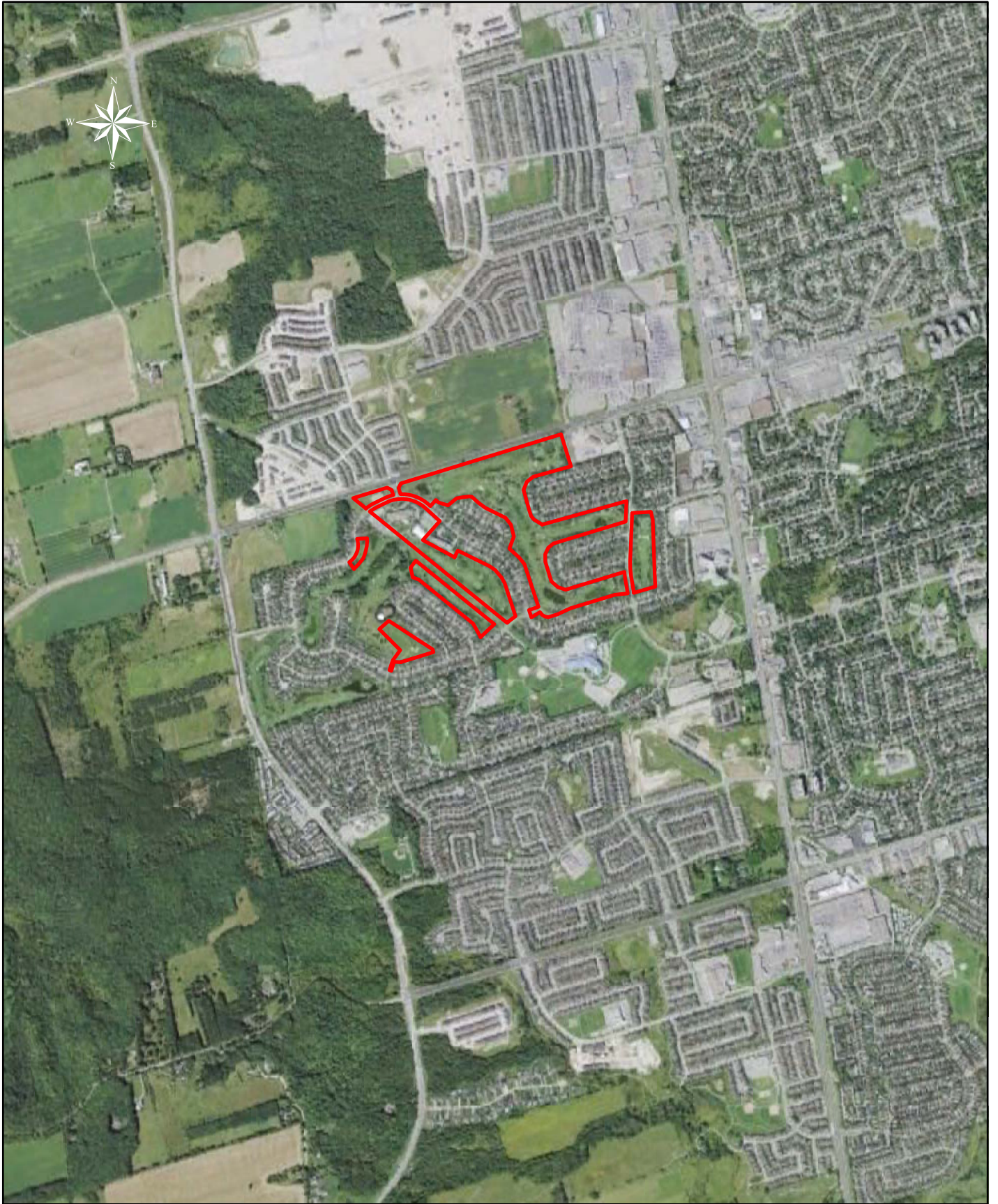
**LEGEND**

	Site
<b>Road</b>	
	Arterial
	Collector

**Field Investigation Observations**  
**Phase I Environmental Site Assessment**  
**Marianneville Development Limited**  
**470 Crossland Gate, Newmarket, ON**

 Figure No. <b>8</b>	Project No: L09-301
	Drawn By: AC
	Checked by: TL
	Date: January 2012





0 125 250 500 750 1,000  
 Meters

Source: Google Earth, 2011 (2009 image)

**LEGEND**

 Site

**2009 Aerial Photograph**  
 Phase I Environmental Site Assessment  
 Marianneville Development Limited  
 470 Crossland Gate, Newmarket, ON



Project No: L09-301

Drawn By: AC

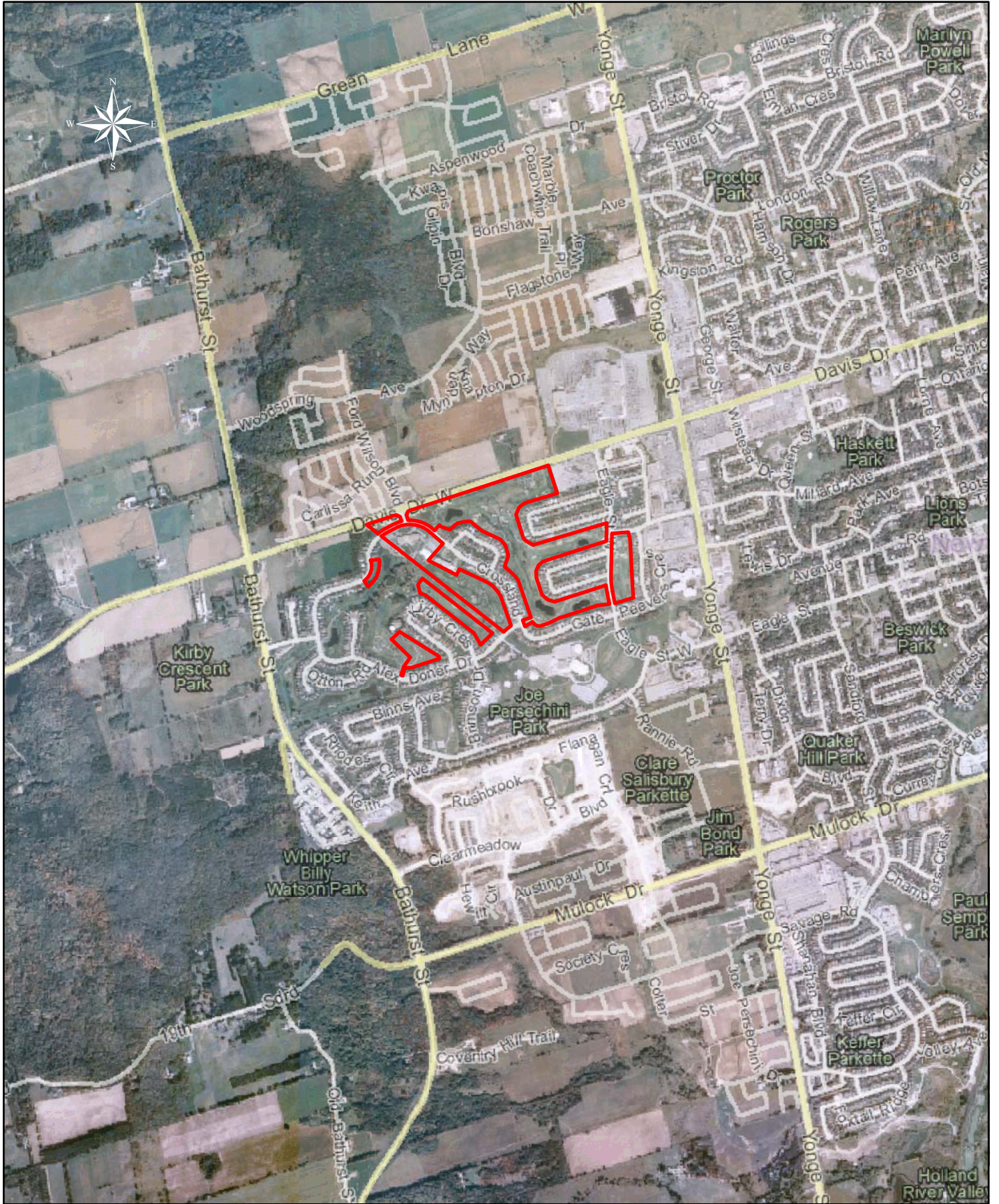
Figure No.

Checked by: TL

9A

Date: January 2012





Source: The Regional Municipality of York, 2011 (1995 image)

**LEGEND**

 Site

**1995 Aerial Photograph**  
 Phase I Environmental Site Assessment  
 Marianneville Development Limited  
 470 Crossland Gate, Newmarket, ON



Project No: L09-301

Drawn By: AC

Figure No.

9B

Checked by: TL


Date: January 2012





Source: National Air Photo Library, 2011 (1985 image)

**LEGEND**

 Approximate Site Boundary

**1985 Aerial Photograph**  
 Phase I Environmental Site Assessment  
 Marianneville Development Limited  
 470 Crossland Gate, Newmarket, ON



Project No: L09-301

Drawn By: AC

Figure No.

Checked by: TL

9C


Date: January 2012





Source: National Air Photo Library, 2011 (1975 image)

**LEGEND**

 Approximate Site Boundary

**1975 Aerial Photograph**  
Phase I Environmental Site Assessment  
Marianneville Development Limited  
470 Crossland Gate, Newmarket, ON



Project No: L09-301

Drawn By: AC

Figure No.

Checked by: TL

9D


Date: January 2012





Source: National Air Photo Library, 2011 (1969 image)

**LEGEND**

 Approximate Site Boundary

**1969 Aerial Photograph**  
Phase I Environmental Site Assessment  
Marianneville Development Limited  
470 Crossland Gate, Newmarket, ON



Project No: L09-301

Drawn By: AC

Figure No.

Checked by: TL


9E

Date: January 2012



Source: National Air Photo Library, 2011 (1955 image)

**LEGEND**

 Approximate Site Boundary

**1955 Aerial Photograph**  
 Phase I Environmental Site Assessment  
 Marianneville Development Limited  
 470 Crossland Gate, Newmarket, ON



Project No: L09-301

Drawn By: AC

Figure No.

Checked by: TL

9F

Date: January 2012





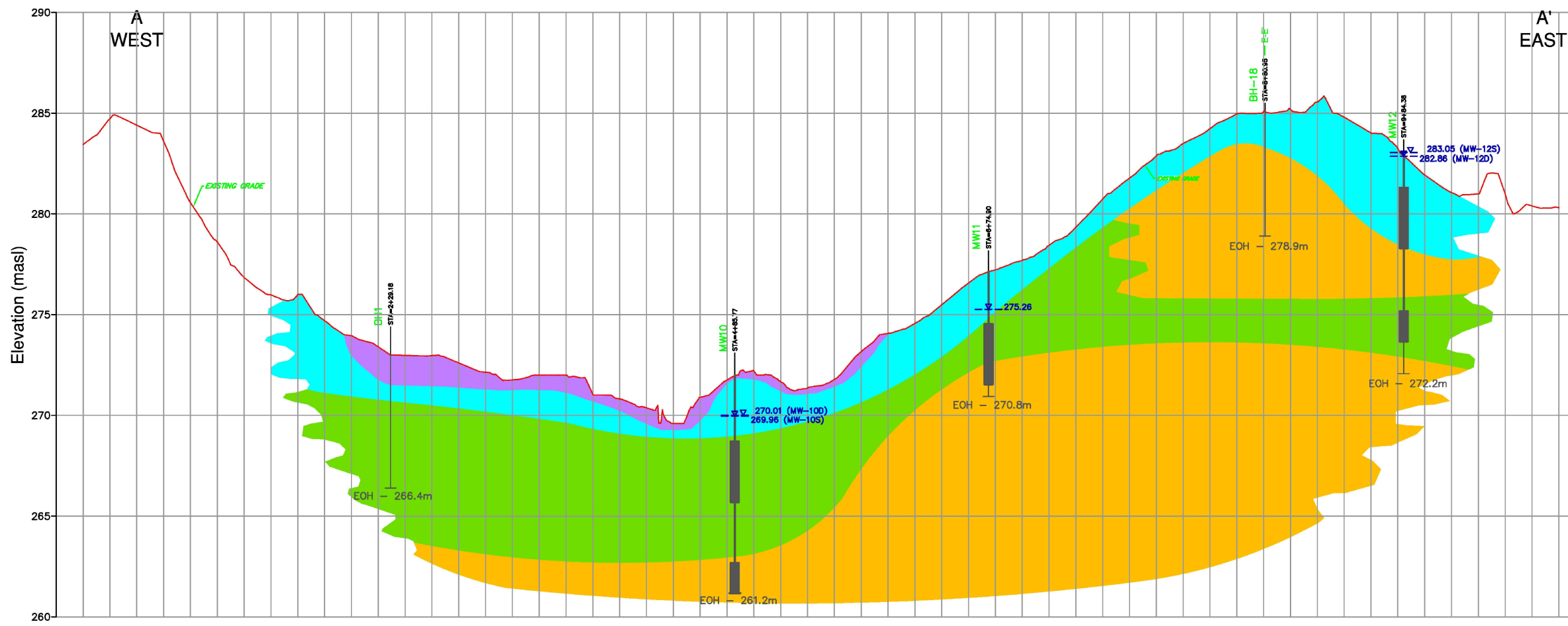
Source: Google Earth, 2011 (2009 image)  
 Produced by Cole Engineering under license  
 from Ontario Ministry of Natural Resources  
 Copyright (c) Queen's Printer, 2010

<b>LEGEND</b>	
Site	APEC-3
<b>Road</b>	
Arterial	
Collector	

**Conceptual Site Model**  
**Phase I Environmental Site Assessment**  
**Marianneville Development Limited**  
**470 Crossland Gate, Newmarket, ON**

 Figure No. <b>10</b>	<b>Project No:</b> L09-301
	<b>Drawn By:</b> AC
	<b>Checked by:</b> TL
	<b>Date:</b> January 2012





- Legend**
- Fill (mainly silty clay)
  - Silty Clay
  - Silty Clay Till
  - Silty Sand/Sandy Silt Till
  - Geotechnical borehole, unscreened
  - Monitoring Well
  - Groundwater level (January 20, 2012)

Source: Soil Engineers Limited, 2012



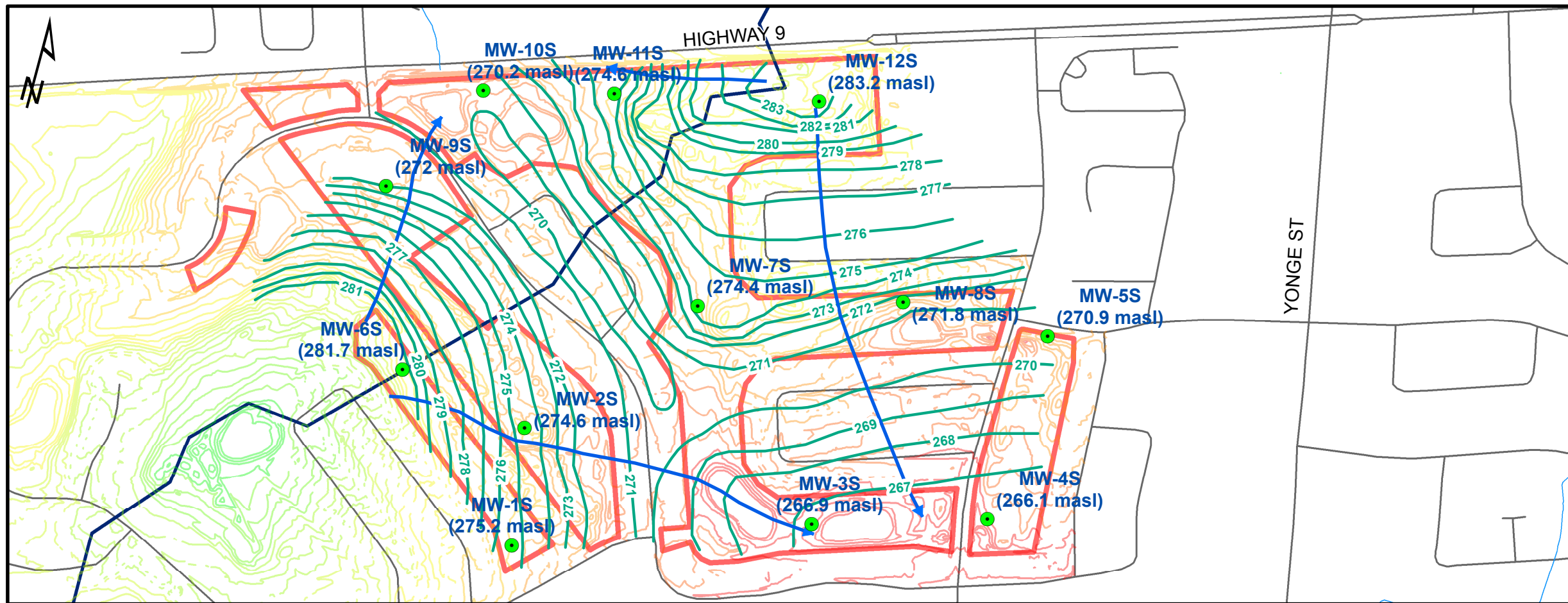
**MARIANNEVILLE DEVELOPMENTS  
Estates of Glenway  
Phase I Environmental Site Assessment**

Scale: Horizontal Scale: 1:4000  
Vertical Scale: 1:250  
Vertical Exaggeration: 16x

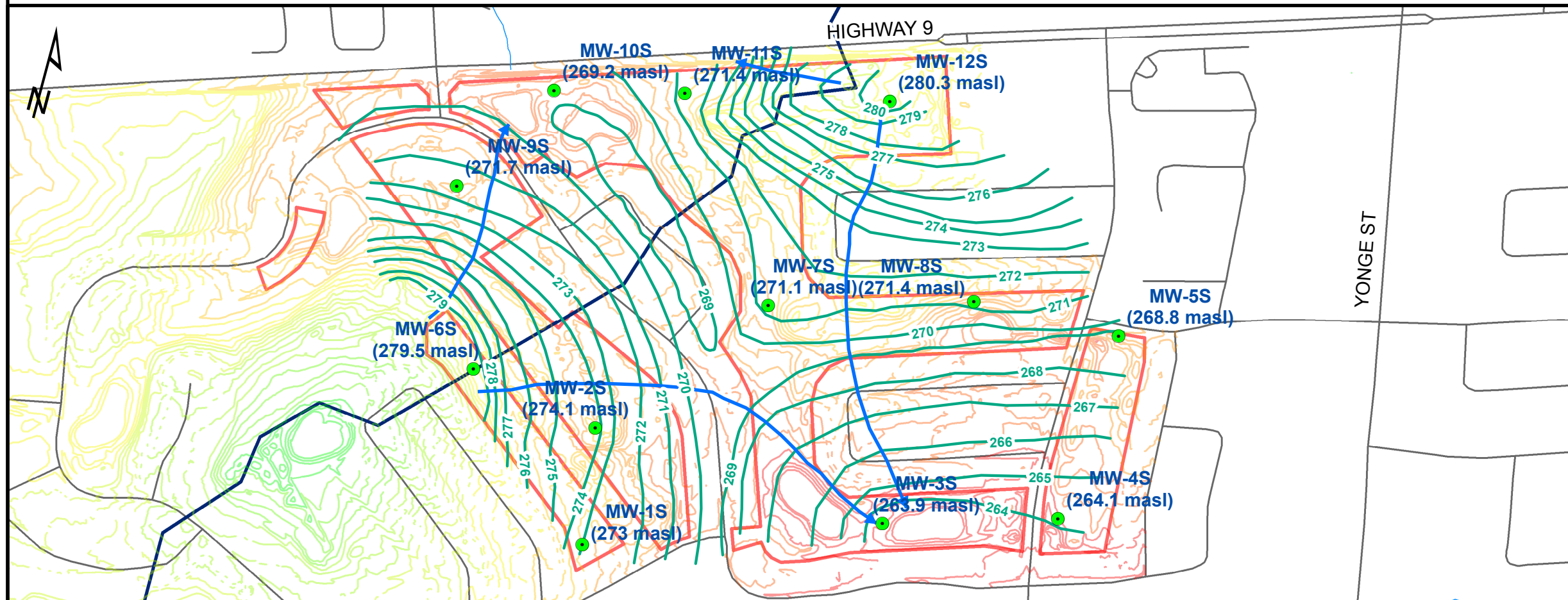
Title:  
**East-West Cross Section**

Project No.: L09-301	Date: NOVEMBER 2013
-------------------------	------------------------

Drawn By: RW	Figure No.: 11
-----------------	-------------------



SPRING SHALLOW GROUNDWATER CONTOURS (MARCH 14, 2012)



SUMMER SHALLOW GROUNDWATER CONTOURS (JULY 10, 2012)

**Legend**

- Site
- Road
- Watercourse
- Shallow Monitoring Well
- Groundwater Contour
- ➔ Interpreted Groundwater Flow Direction
- Watershed Boundary

**Topographic Contours**

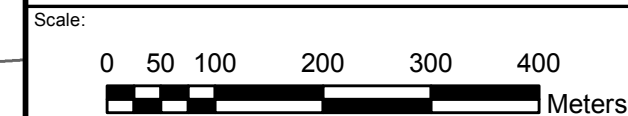
- 265 - 269
- >269 - 272
- >272 - 276
- >276 - 280
- >280 - 284
- >284 - 288
- >288 - 292
- >292 - 296
- >296 - 304

Source: JD Barnes Topographic Survey, 2012.

Produced by Cole Engineering under license from Ontario Ministry of Natural Resources Copyright (c) Queen's Printer, 2010



**MARIANNEVILLE DEVELOPMENTS  
Estates of Glenway  
Phase I Environmental Site Assessment**



Title:  
**Shallow Groundwater Flow Patterns  
(Spring/Summer)**

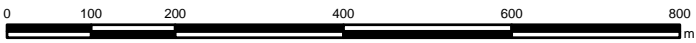
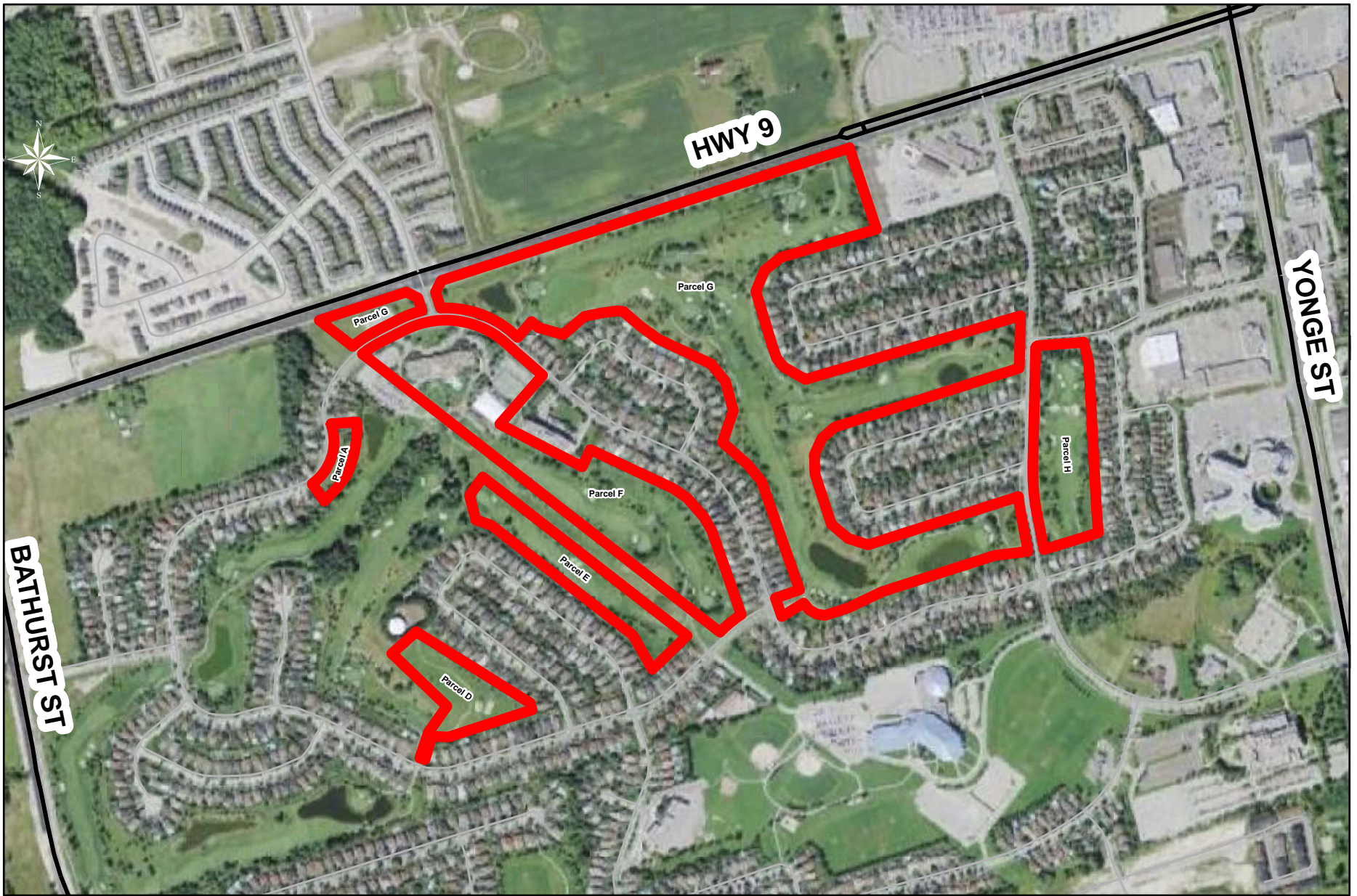
Project No.:	Date:
L09-301	NOVEMBER 2013
Drawn By:	Figure No.:
AC	12

# Appendix A

## Database Search Results

## Chain of Title





Source: Google Earth Pro, 2011 (2009 image)  
 Produced by Cole Engineering under license  
 from Ontario Ministry of Natural Resources  
 Copyright (c) Queen's Printer, 2010

<b>LEGEND</b>	
	Site
<b>Road</b>	
	Arterial
	Collector

**Chain of Title Parcels**  
 Phase I Environmental Site Assessment  
 Marianneville Development Limited  
 470 Crossland Gate, Newmarket, ON

  Figure No. <b>AppA</b>	Project No: L09-301
	Drawn By: AC
	Checked by: TL
	Date: January 2012

CHAIN OF TITLE REPORT

Parcel "A"  
 Alex Doner Drive, Newmarket  
 Block 89 Plan 65M2263

Page 1

PIN 03581-0027(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	11 12 1804	Crown	Wing ROGERS, Jr.
495	Deed	17 07 1807	Wing Rogers, Jr.	John DOAN
3180	Deed	19 06 1828	John Doan	William LLOYD
1907	Deed	03 01 1865	William Lloyd – estate	Eli LLOYD
4333	Vesting Order	25 03 1873	Eli Lloyd – estate	Michael WASLEY
7308	Deed	20 03 1893	Michael Wasley – estate	Norman WASLEY
7309	Deed	20 03 1893	Michael Wasley – estate	Henrietta WASLEY
15490	Deed	17 10 1919	Norman Wasley & Henrietta Wasley	Joseph WASLEY & Beatrice DALES

Cont'd on page 2

CHAIN OF TITLE REPORT

Parcel "A"  
Alex Doner Drive, Newmarket  
Block 89 Plan 65M2263

Page 2

PIN 03581-0027(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
16530	Deed	16 02 1922	Joseph Wasley & Beatrice Dales	Joseph WASLEY and Maud WASLEY
16959	Deed	07 04 1923	Joseph Wasley & Maud Wasley	Lawrence FARROW
17591	Deed	10 03 1925	Lawrence Farrow	Samuel DONER
27813	Deed	29 01 1951	Samuel Doner	William MULOCK
20734	Deed	09 05 1955	William Mulock -- estate	Thomas MULOCK
1447A	Deed	15 03 1956	Thomas Mulock	Arnold ISCOVE
3933A	Deed	28 06 1956	Arnold Iscove	Valley Spring Investments Limited

Cont'd on page 3

CHAIN OF TITLE REPORT

Parcel "A"  
 Alex Doner Drive, Newmarket  
 Block 89 Plan 65M2263

Page 3

PIN 03581-0027(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
29914A	Deed	15 06 1959	Valley Spring Investments Limited	Halgor Investments Limited as to 50% int., A. Matlow & Sons Ltd., as to 25% int., and Pine Grove Estates Limited as to 25% int.
31815A	Deed	11 08 1959	Pine Grove Estates Limited as to a 5% int.	Halgor Investments Limited
61546B	Deed	27 11 1969	Halgor Investments Limited as to a 5% int.	Pine Grove Estates Limited
61547B	Deed	27 11 1969	Halgor Investments Limited	Belhill Construction Limited as to a 50% int.
64776B	Deed	04 06 1969	Belhill Construction Limited 50% Pine Grove Investments Limited as to 25% int., and Matlow & Sons Ltd as to 25% int.	Hudson Coal & Fuel Oil Limited, Dor-Min Investments Limited, Keygor Investments Limited, Raminda Investments Limited, Darwin Plastics Limited, Palroe Holdings Limited, Roelle Securities Limited, Irving Matlow & Hadassah Rosenberg as New King Investment Company

Cont'd on page 4



CHAIN OF TITLE REPORT

Parcel "A"  
 Alex Donner Drive, Newmarket  
 Block 89 Plan 65M2263

Page 4

PIN 03561-0027(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
115680	Deed	17 01 1972	New King Investment Company	Noldon Investments Limited
135759	Deed	10 04 1973	Noldon Investments Limited	Glenway Home Builders (York) Limited
LT218123	Deed	25 03 1985	Glenway Builders Limited (formerly Glenway Home Builders (York) Limited)	606268 Ontario Limited
LT985013	Deed	29 06 1994	Glenway Land Corporation (formerly 606268 Ontario Limited)	Glenway Country Club (1994) Limited
YR1432347	Deed	21 01 2010	Glenway Country Club (1994) Limited	Marianneville Developments Limited

CHAIN OF TITLE REPORT

Parcel "B"  
w/s Alex Doner Drive and s/s Sykes Road, Newmarket  
Block 121 Plan 65M2262

Page 1

PIN 03582-0071(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	11 12 1804	Crown	Wing ROGERS, Jr.
495	Deed	17 07 1807	Wing Rogers, Jr.	John DOAN
3180	Deed	19 06 1828	John Doan	William LLOYD
1907	Deed	03 01 1865	William Lloyd – estate	Eli LLOYD
4333	Vesting Order	25 03 1873	Eli Lloyd – estate	Michael WASLEY
7308	Deed	20 03 1893	Michael Wasley – estate	Norman WASLEY
7309	Deed	20 03 1893	Michael Wasley – estate	Henrietta WASLEY
15490	Deed	17 10 1919	Norman Wasley & Henrietta Wasley	Joseph WASLEY & Beatrice DALES

Cont'd on page 2

CHAIN OF TITLE REPORT

Parcel "B"  
w/s Alex Doner Drive and s/s Sykes Road, Newmarket  
Block 121 Plan 65M2262

Page 2

PIN 03582-0071(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
16530	Deed	16 02 1922	Joseph Wasley & Beatrice Dales	Joseph WASLEY and Maud WASLEY
16959	Deed	07 04 1923	Joseph Wasley & Maud Wasley	Lawrence FARROW
17591	Deed	10 03 1925	Lawrence Farrow	Samuel DONER
27813	Deed	29 01 1951	Samuel Doner	William MULOCK
20734	Deed	09 05 1955	William Mulock – estate	Thomas MULOCK
1447A	Deed	15 03 1956	Thomas Mulock	Arnold ISCOVE
3933A	Deed	28 06 1956	Arnold Iscove	Valley Spring Investments Limited

Cont'd on page 3

CHAIN OF TITLE REPORT

Parcel "B"  
w/s Alex Doner Drive and s/s Sykes Road, Newmarket  
Block 121 Plan 65M2262

Page 3

PIN 03582-0071 (L-T)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
29914A	Deed	15 06 1959	Valley Spring Investments Limited	Halgor Investments Limited as to 50% int., A. Matlow & Sons Ltd., as to 25% int., and Pine Grove Estates Limited as to 25% int.
31815A	Deed	11 08 1959	Pine Grove Estates Limited as to a 5% int.	Halgor Investments Limited
61546B	Deed	27 11 1969	Halgor Investments Limited as to a 5% int.	Pine Grove Estates Limited
61547B	Deed	27 11 1969	Halgor Investments Limited	Belhill Construction Limited as to a 50% int.
64776B	Deed	04 06 1969	Belhill Construction Limited 50% Pine Grove Investments Limited as to 25% int., and Matlow & Sons Ltd as to 25% int.	Hudson Coal & Fuel Oil Limited, Dor-Min Investments Limited, Keygor Investments Limited, Raminda Investments Limited, Darwon Plastics Limited, Pairce Holdings Limited, Roelle Securities Limited, Irving Matlow & Hadassah Rosenberg as New King Investment Company

Cont'd on page 4

CHAIN OF TITLE REPORT

Parcel "B"  
w/s Alex Doner Drive and s/s Sykes Road, Newmarket  
Block 121 Plna 65M2262

Page 4

PIN 03562-0071 (LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
115680	Deed	17 01 1972	New King Investment Company	Noldon Investments Limited
135759	Deed	10 04 1973	Noldon Investments Limited	Glenway Home Builders (York) Limited
LT985013	Deed	29 05 1994	Glenway Builders Limited (formerly Glenway Home Builders (York) Limited)	809453 Ontario Limited
YR1432347	Deed	21 01 2010	Glenway Country Club (1994) Limited (formerly 809453 Ontario Limited)	Marianneville Developments Limited

CHAIN OF TITLE REPORT

Parcel "C"  
e/s Bathurst Street, Newmarket  
Block 120 Plan 65M2262

Page 1

PIN 03582-0072(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	11 12 1804	Crown	Wing ROGERS, Jr.
495	Deed	17 07 1807	Wing Rogers, Jr.	John DOAN
3180	Deed	19 06 1828	John Doan	William LLOYD
1907	Deed	03 01 1865	William Lloyd – estate	Eli LLOYD
4333	Vesting Order	25 03 1873	Eli Lloyd – estate	Michael WASLEY
7308	Deed	20 03 1893	Michael Wasley – estate	Norman WASLEY
7309	Deed	20 03 1893	Michael Wasley – estate	Henrietta WASLEY
15490	Deed	17 10 1919	Norman Wasley & Henrietta Wasley	Joseph WASLEY & Beatrice DALES

Cont'd on page 2

CHAIN OF TITLE REPORT

Parcel "C"  
 e/s Bathurst Street, Newmarket  
 Block 120 Plan 65M2262

Page 2

PIN 03582-0072(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
16530	Deed	16 02 1922	Joseph Wasley & Beatrice Dates	Joseph WASLEY and Maud WASLEY
16959	Deed	07 04 1923	Joseph Wasley & Maud Wasley	Lawrence FARROW
17591	Deed	10 03 1925	Lawrence Farrow	Samuel DONER
27813	Deed	29 01 1951	Samuel Doner	William MULOCK
20734	Deed	09 05 1955	William Mulock – estate	Thomas MULOCK
1447A	Deed	15 03 1956	Thomas Mulock	Arnold ISCOVE
3933A	Deed	28 06 1956	Arnold Iscove	Valley Spring Investments Limited

Cont'd on page 3

CHAIN OF TITLE REPORT

Parcel "C"  
e/s Bathurst Street, Newmarket  
Block 120 Plan 65M2262

Page 3

PIN 03682-0072(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
29914A	Deed	15 06 1959	Valley Spring Investments Limited	Halgor Investments Limited as to 50% int., A. Matlow & Sons Ltd., as to 25% int., and Pine Grove Estates Limited as to 25% int.
31815A	Deed	11 08 1959	Pine Grove Estates Limited as to a 5% int.	Halgor Investments Limited
61546B	Deed	27 11 1969	Halgor Investments Limited as to a 5% int.	Pine Grove Estates Limited
61547B	Deed	27 11 1969	Halgor Investments Limited	Belhill Construction Limited as to a 50% int.
64776B	Deed	04 06 1969	Belhill Construction Limited 50% Pine Grove Investments Limited as to 25% int., and Matlow & Sons Ltd as to 25% int.	Hudson Coal & Fuel Oil Limited, Dor-Min Investments Limited, Keygor Investments Limited, Raminda Investments Limited, Darwon Plastics Limited, Pairce Holdings Limited, Roelle Securities Limited, Irving Matlow & Hadassah Rosenberg as New King Investment Company

Cont'd on page 4



CHAIN OF TITLE REPORT

Parcel "C"  
e/s Bathurst Street, Newmarket  
Block 120 Plan 65M2262

PIN 03582-0072(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
115680	Deed	17 01 1972	New King Investment Company	Noldon Investments Limited
135759	Deed	10 04 1973	Noldon Investments Limited	Glenway Home Builders (York) Limited
LT985013	Deed	29 05 1994	Glenway Builders Limited (formerly Glenway Home Builders (York) Limited)	809453 Ontario Limited
YR1432347	Deed	21 01 2010	Glenway Country Club (1994) Limited (formerly 809453 Ontario Limited)	Marianneville Developments Limited

CHAIN OF TITLE REPORT

Parcel "D"  
n/s Alex Doner Drive, Newmarket  
Block 142 Plan 65M2261

PIN 03581-0178(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	11 12 1804	Crown	Wing ROGERS, Jr.
495	Deed	17 07 1807	Wing Rogers, Jr.	John DOAN
3180	Deed	19 06 1828	John Doan	William LLOYD
1907	Deed	03 01 1865	William Lloyd – estate	Eli LLOYD
4333	Vesting Order	25 03 1873	Eli Lloyd – estate	Michael WASLEY
7308	Deed	20 03 1893	Michael Wasley – estate	Norman WASLEY
7309	Deed	20 03 1893	Michael Wasley – estate	Henrietta WASLEY
15490	Deed	17 10 1919	Norman Wasley & Henrietta Wasley	Joseph WASLEY & Beatrice DALES

Cont'd on page 2

CHAIN OF TITLE REPORT

Parcel "D"  
n/s Alex Doner Drive, Newmarket  
Block 142 Plan 65M2261

PIN 03581-0178(LT)

Page 2

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
16530	Deed	16 02 1922	Joseph Wasley & Beatrice Dales	Joseph WASLEY and Maud WASLEY
16959	Deed	07 04 1923	Joseph Wasley & Maud Wasley	Lawrence FARROW
17591	Deed	10 03 1925	Lawrence Farrow	Samuel DONER
27813	Deed	29 01 1951	Samuel Doner	William MULOCK
20734	Deed	09 05 1955	William Mulock - estate	Thomas MULOCK
1447A	Deed	15 03 1956	Thomas Mulock	Arnold ISCOVE
3933A	Deed	28 06 1956	Arnold Iscove	Valley Spring Investments Limited

Cont'd on page 3

CHAIN OF TITLE REPORT

Parcel "D"  
 n/s Alex Doner Drive, Newmarket  
 Block 142 Plan 65M2261

Page 3

PIN 03581-0178(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
29914A	Deed	15 06 1959	Valley Spring Investments Limited	Halgor Investments Limited as to 50% int., A. Matlow & Sons Ltd., as to 25% int., and Pine Grove Estates Limited as to 25% int.
31815A	Deed	11 08 1959	Pine Grove Estates Limited as to a 5% int.	Hallgor Investments Limited
61546B	Deed	27 11 1969	Hallgor Investments Limited as to a 5% int.	Pine Grove Estates Limited
61547B	Deed	27 11 1969	Hallgor Investments Limited	Belhill Construction Limited as to a 50% int.
64776B	Deed	04 06 1969	Belhill Construction Limited 50% Pine Grove Investments Limited as to 25% int., and Matlow & Sons Ltd as to 25% int.	Hudson Coal & Fuel Oil Limited, Dor-Min Investments Limited, Keygor Investments Limited, Raminda Investments Limited, Darwon Plastics Limited, Palroe Holdings Limited, Roelle Securities Limited, Irving Matlow & Hadassah Rosenberg as New King Investment Company

Cont'd on page 4

CHAIN OF TITLE REPORT

Parcel "D"  
n/s Alex Doner Drive, Newmarket  
Block 142 Plan 65M2261

PIN 03581-0178(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
115680	Deed	17 01 1972	New King Investment Company	Noldon Investments Limited
135759	Deed	10 04 1973	Noldon Investments Limited	Glenway Home Builders (York) Limited
LT985013	Deed	29 05 1994	Glenway Builders Limited (formerly Glenway Home Builders (York) Limited)	809453 Ontario Limited
YR1432347	Deed	21 01 2010	Glenway Country Club (1994) Limited (formerly 809453 Ontario Limited)	Marianneville Developments Limited



CHAIN OF TITLE REPORT

Parcel "E"  
 n/s Alex Doner Drive, Newmarket  
 Block 144 Plan 65M2261

Page 1

PIN 03581-0179(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	11 12 1804	Crown	Wing ROGERS, Jr.
495	Deed	17 07 1807	Wing Rogers, Jr.	John DOAN
3180	Deed	19 06 1828	John Doan	William LLOYD
1907	Deed	03 01 1865	William Lloyd – estate	Eli LLOYD
4333	Vesting Order	25 03 1873	Eli Lloyd – estate	Michael WASLEY
7308	Deed	20 03 1893	Michael Wasley – estate	Norman WASLEY
7309	Deed	20 03 1893	Michael Wasley – estate	Henrietta WASLEY
15490	Deed	17 10 1919	Norman Wasley & Henrietta Wasley	Joseph WASLEY & Beatrice DALES

Cont'd on page 2

CHAIN OF TITLE REPORT

Parcel "E"  
n/s Alex Doner Drive, Newmarket  
Block 144 Plan 65M2261

Page 2

PIN 03581-0179(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
16530	Deed	16 02 1922	Joseph Wasley & Beatrice Dales	Joseph WASLEY and Maud WASLEY
16959	Deed	07 04 1923	Joseph Wasley & Maud Wasley	Lawrence FARROW
17591	Deed	10 03 1925	Lawrence Farrow	Samuel DONER
27813	Deed	29 01 1951	Samuel Doner	William MULOCK
20734	Deed	09 05 1955	William Mulock – estate	Thomas MULOCK
1447A	Deed	15 03 1956	Thomas Mulock	Arnold ISCOVE
3933A	Deed	28 06 1956	Arnold Iscove	Valley Spring Investments Limited

Cont'd on page 3

CHAIN OF TITLE REPORT

Parcel "E"  
n/s Alex Doner Drive, Newmarket  
Block 144 Plan 65M2261

Page 3

PIN 03581-0179(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
29914A	Deed	15 06 1959	Valley Spring Investments Limited	Halgor Investments Limited as to 50% int., A. Matlow & Sons Ltd., as to 25% int., and Pine Grove Estates Limited as to 25% int.
31815A	Deed	11 08 1959	Pine Grove Estates Limited as to a 5% int.	Halgor Investments Limited
61546B	Deed	27 11 1969	Halgor Investments Limited as to a 5% int.	Pine Grove Estates Limited
61547B	Deed	27 11 1969	Halgor Investments Limited	Belhill Construction Limited as to a 50% int.
64776B	Deed	04 06 1969	Belhill Construction Limited 50% Pine Grove Investments Limited as to 25% int., and Matlow & Sons Ltd as to 25% int.	Hudson Coal & Fuel Oil Limited, Dor-Min Investments Limited, Keygor Investments Limited, Raminda Investments Limited, Darwin Plastics Limited, Palroe Holdings Limited, Roelle Securities Limited, Irving Matlow & Hadassah Rosenberg as New King Investment Company

Cont'd on page 4



CHAIN OF TITLE REPORT

Parcel "E"  
n/s Alex Doner Drive, Newmarket  
Block 144 Plan 65M2261

Page 4

PIN 03581-0179(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
115680	Deed	17 01 1972	New King Investment Company	Noldon Investments Limited
135759	Deed	10 04 1973	Noldon Investments Limited	Glenway Home Builders (York) Limited
LT985013	Deed	29 05 1994	Glenway Builders Limited (formerly Glenway Home Builders (York) Limited)	809453 Ontario Limited
YR1432347	Deed	21 01 2010	Glenway Country Club (1994) Limited (formerly 809453 Ontario Limited)	Marianneville Developments Limited

CHAIN OF TITLE REPORT

Parcel "F"  
 s/s Crossland Gate, Newmarket  
 Part Block 92 Plan 65M2212 Pts 1, 4 - 7 65R7939  
 PIN 03581-0209(LT)

Page 1

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	11 12 1804	Crown	Wing ROGERS, Jr.
495	Deed	17 07 1807	Wing Rogers, Jr.	John DOAN
3180	Deed	19 06 1828	John Doan	William LLOYD
1907	Deed	03 01 1865	William Lloyd - estate	Eli LLOYD
4333	Vesting Order	25 03 1873	Eli Lloyd - estate	Michael WASLEY
7308	Deed	20 03 1893	Michael Wasley - estate	Norman WASLEY
7309	Deed	20 03 1893	Michael Wasley - estate	Henrietta WASLEY
15490	Deed	17 10 1919	Norman Wasley & Henrietta Wasley	Joseph WASLEY & Beatrice DALES

Cont'd on page 2

CHAIN OF TITLE REPORT

Parcel "F"  
s/s Crossland Gate, Newmarket  
Part Block 92 Plan 65M2212 Pts 1, 4 - 7 65R7939  
PIN 03581-0209(LT)

Page 2

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
16530	Deed	16 02 1922	Joseph Wasley & Beatrice Dales	Joseph WASLEY and Maud WASLEY
16959	Deed	07 04 1923	Joseph Wasley & Maud Wasley	Lawrence FARROW
17591	Deed	10 03 1925	Lawrence Farrow	Samuel DONER
27813	Deed	29 01 1951	Samuel Doner	William MULOCK
20734	Deed	09 05 1955	William Mulock - estate	Thomas MULOCK
1447A	Deed	15 03 1956	Thomas Mulock	Arnold ISCOVE
3933A	Deed	28 06 1956	Arnold Iscove	Valley Spring Investments Limited

Cont'd on page 3

CHAIN OF TITLE REPORT

Parcel "F"  
 s/s Crossland Gate, Newmarket  
 Part Block 92 Plan 65M2212 Pts 1, 4 - 7 65R7939  
 PIN 03581-0209(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
29914A	Deed	15 06 1959	Valley Spring Investments Limited	Halgor Investments Limited as to 50% Int., A. Matlow & Sons Ltd., as to 25% Int., and Pine Grove Estates Limited as to 25% Int.
31815A	Deed	11 08 1959	Pine Grove Estates Limited as to a 5% Int.	Halgor Investments Limited
61546B	Deed	27 11 1969	Halgor Investments Limited as to a 5% Int.	Pine Grove Estates Limited
61547B	Deed	27 11 1969	Halgor Investments Limited	Belhill Construction Limited as to a 50% Int.
64776B	Deed	04 06 1969	Belhill Construction Limited 50% Pine Grove Investments Limited as to 25% Int., and Matlow & Sons Ltd as to 25% Int.	Hudson Coal & Fuel Oil Limited, Dor-Min Investments Limited, Keygor Investments Limited, Raminda Investments Limited, Darwon Plastics Limited, Palroe Holdings Limited, Roelle Securities Limited, Irving Matlow & Hadassah Rosenberg as New King Investment Company

Cont'd on page 4



CHAIN OF TITLE REPORT

Parcel "F"  
 s/s Crossland Gate, Newmarket  
 Part Block 92 Plan 65M2212

PIN 03581-0209(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
115680	Deed	17 01 1972	New King Investment Company	Noldon Investments Limited
135759	Deed	10 04 1973	Noldon Investments Limited	Glenway Home Builders (York) Limited
LT985013	Deed	29 05 1994	Glenway Builders Limited (formerly Glenway Home Builders (York) Limited)	809453 Ontario Limited
YR1432347	Deed	21 01 2010	Glenway Country Club (1994) Limited (formerly 809453 Ontario Limited)	Marianneville Developments Limited

CHAIN OF TITLE REPORT

Parcel "G"  
 s/s Highway 9 and east of Crossland  
 Block 155 Plan 65M2205

Page 1

PIN 03580-0293(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	11 12 1804	Crown	Wing ROGERS, Jr.
495	Deed	17 07 1807	Wing Rogers, Jr.	John DOAN
3180	Deed	19 06 1828	John Doan	William LLOYD
1907	Deed	03 01 1865	William Lloyd – estate	Eli LLOYD
4333	Vesting Order	25 03 1873	Eli Lloyd – estate	Michael WASLEY
7308	Deed	20 03 1893	Michael Wasley – estate	Norman WASLEY
7309	Deed	20 03 1893	Michael Wasley – estate	Henrietta WASLEY
15490	Deed	17 10 1919	Norman Wasley & Henrietta Wasley	Joseph WASLEY & Beatrice DALES

Cont'd on page 2

CHAIN OF TITLE REPORT

Parcel "G"  
s/s Highway 9 and east of Crossland  
Block 155 Plan 65M2205

PIN 03580-0293(LT)

Page 2

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
16530	Deed	16 02 1922	Joseph Wasley & Beatrice Dales	Joseph WASLEY and Maud WASLEY
16959	Deed	07 04 1923	Joseph Wasley & Maud Wasley	Lawrence FARROW
17591	Deed	10 03 1925	Lawrence Farrow	Samuel DONER
27813	Deed	29 01 1951	Samuel Doner	William MULOCK
20734	Deed	09 05 1955	William Mulock -- estate	Thomas MULOCK
1447A	Deed	15 03 1956	Thomas Mulock	Arnold ISCOVE
3933A	Deed	28 06 1956	Arnold Iscove	Valley Spring Investments Limited

Cont'd on page 3

CHAIN OF TITLE REPORT

Parcel "G"  
s/s Highway 9 and east of Crossland  
Block 155 Plan 65M2205

Page 3

PIN 03580-0293(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
29914A	Deed	15 06 1959	Valley Spring Investments Limited	Halgor Investments Limited as to 50% int., A. Matlow & Sons Ltd., as to 25% int., and Pine Grove Estates Limited as to 25% int.
31815A	Deed	11 08 1959	Pine Grove Estates Limited as to a 5% int.	Halgor Investments Limited
61546B	Deed	27 11 1969	Halgor Investments Limited as to a 5% int.	Pine Grove Estates Limited
61547B	Deed	27 11 1969	Halgor Investments Limited	Belhill Construction Limited as to a 50% int.
64776B	Deed	04 06 1969	Belhill Construction Limited 50% Pine Grove Investments Limited as to 25% int., and Matlow & Sons Ltd as to 25% int.	Hudson Coal & Fuel Oil Limited, Dor-Min Investments Limited, Keygor Investments Limited, Raminda Investments Limited, Darwon Plastics Limited, Palroe Holdings Limited, Roelle Securities Limited, Irving Matlow & Hadassah Rosenberg as New King Investment Company

Cont'd on page 4



CHAIN OF TITLE REPORT

Parcel "G"  
s/s Highway 9 and east of Crossland  
Block 155 Plan 65M2205

Page 4

PIN 03580-0293(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
115680	Deed	17 01 1972	New King Investment Company	Noldon Investments Limited
135759	Deed	10 04 1973	Noldon Investments Limited	Glenway Home Builders (York) Limited
LT985013	Deed	29 05 1994	Glenway Builders Limited (formerly Glenway Home Builders (York) Limited	809453 Ontario Limited
YR1432347	Deed	21 01 2010	Glenway Country Club (1994) Limited (formerly 809453 Ontario Limited)	Marianneville Developments Limited

CHAIN OF TITLE REPORT

Page 1

Parcel "H"  
e/s Eagle Street and s/s Millard Avenue West, Newmarket  
Block 73 Plan 65M2284

PIN 03584-0003(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	11 12 1804	Crown	Wing ROGERS, Jr.
495	Deed	17 07 1807	Wing Rogers, Jr.	John DOAN
3180	Deed	19 06 1828	John Doan	William LLOYD
1907	Deed	03 01 1865	William Lloyd – estate	Eli LLOYD
4333	Vesting Order	25 03 1873	Eli Lloyd – estate	Michael WASLEY
7308	Deed	20 03 1893	Michael Wasley – estate	Norman WASLEY
7309	Deed	20 03 1893	Michael Wasley – estate	Henrietta WASLEY
15490	Deed	17 10 1919	Norman Wasley & Henrietta Wasley	Joseph WASLEY & Beatrice DALES

Cont'd on page 2

CHAIN OF TITLE REPORT

Parcel "H"  
 e/s Eagle Street and s/s Millard Avenue West, Newmarket  
 Block 73 Plan 65M2284

PIN 03584-0003(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
16530	Deed	16 02 1922	Joseph Wasley & Beatrice Dales	Joseph WASLEY and Maud WASLEY
16959	Deed	07 04 1923	Joseph Wasley & Maud Wasley	Lawrence FARROW
17591	Deed	10 03 1925	Lawrence Farrow	Samuel DONER
27813	Deed	29 01 1951	Samuel Doner	William MULOCK
20734	Deed	09 05 1955	William Mulock – estate	Thomas MULOCK
1447A	Deed	15 03 1956	Thomas Mulock	Arnold ISCOVE
3933A	Deed	28 06 1956	Arnold Iscove	Valley Spring Investments Limited

Cont'd on page 3

CHAIN OF TITLE REPORT

Page 3

Parcel "H"  
e/s Eagle Street and s/s Millard Avenue West, Newmarket  
Block 73 Plan 65M2284

PIN 03584-0003(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
29914A	Deed	15 06 1959	Valley Spring Investments Limited	Halgor Investments Limited as to 50% int., A. Matlow & Sons Ltd., as to 25% int., and Pine Grove Estates Limited as to 25% int.
31815A	Deed	11 08 1959	Pine Grove Estates Limited as to a 5% int.	Halgor Investments Limited
61546B	Deed	27 11 1969	Halgor Investments Limited as to a 5% int.	Pine Grove Estates Limited
61547B	Deed	27 11 1969	Halgor Investments Limited	Belhill Construction Limited as to a 50% int.
64776B	Deed	04 06 1969	Belhill Construction Limited 50% Pine Grove Investments Limited as to 25% int., and Matlow & Sons Ltd as to 25% int.	Hudson Coal & Fuel Oil Limited, Dor-Min Investments Limited, Keygor Investments Limited, Raminda Investments Limited, Darwin Investments Limited, Winston Plastics Limited, Palroe Holdings Limited, Roelle Securities Limited, Irving Matlow & Hadassah Rosenberg as New King Investment Company

Cont'd on page 4



CHAIN OF TITLE REPORT

Parcel "H"  
e/s Eagle Street and s/s Millard Avenue West, Newmarket  
Block 73 Plan 65M2284

Page 4

PIN 03584-0003(LT)

INSTR. #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
115680	Deed	17 01 1972	New King Investment Company	Noldon Investments Limited
135759	Deed	10 04 1973	Noldon Investments Limited	Glenway Home Builders (York) Limited
LT985013	Deed	29 05 1994	Glenway Builders Limited (formerly Glenway Home Builders (York) Limited)	809453 Ontario Limited
YR1432347	Deed	21 01 2010	Glenway Country Club (1994) Limited (formerly 809453 Ontario Limited)	Marianneville Developments Limited

## City Directory Search

**City Directory Information Source**

Polk's York/Durham Regions, Ontario Criss Cross

<b>PROJECT NUMBER:</b> 20111207041	
<b>Site Address:</b>	470 Crossland Gate, Newmarket, Ontario
<b>Year:</b> 1999	
<b>Site Listing:</b>	-Tapestry Premier Retirement Community -Glenway Country Club
<b>Adjacent Properties:</b>	
<b>400 Crossland Gate</b>	-Multi Tenant Res
<b>255 Brimson Dr.</b>	-Crossland Rec Centre -Crossland Public School
<b>100 Eagle St.</b>	-Newmarket Figure Skating Club -Newmarket Stingrays Swim Club
<b>320 Eagle St.</b>	-Greyhound Canada
<b>340 Eagle St.</b>	-Reece's Woodworking Ltd.
<b>17310 Yonge St.</b>	-Multi Tenant Commercial
<b>17600 Yonge St.</b>	-Multi Tenant Commercial -Sunoco Inc.

<b>PROJECT NUMBER:</b> 20111207041	
<b>Site Address:</b>	470 Crossland Gate, Newmarket, Ontario
<b>Year:</b> 1994	

<b>Site Listing:</b>	-Glenway Country Club
<b>Adjacent Properties:</b>	
<b>400 Crossland Gate</b>	-Toddglen Construction
<b>255 Brimson Dr.</b>	-Crossland Rec Centre -Crossland Public School
<b>100 Eagle St.</b>	-Newmarket Royals
<b>320 Eagle St.</b>	-Bus Parcel Express
<b>340 Eagle St.</b>	-Italia Pizza -Mister Donut
<b>17310 Yonge St.</b>	-Multi Tenant Commercial
<b>17600 Yonge St.</b>	-Multi Tenant Commercial

<b>PROJECT NUMBER:</b> 20111207041	
<b>Site Address:</b>	470 Crossland Gate, Newmarket, Ontario
<b>Year:</b> 1989	
<b>Site Listing:</b>	-Glenway Country Club
<b>Adjacent Properties:</b>	
<b>400 Crossland Gate</b>	-Address Not Listed
<b>255 Brimson Dr.</b>	-Address Not Listed
<b>100 Eagle St.</b>	-Newmarket Rec Complex -Max-Com Real Estate -Schomberg Construction



<b>320 Eagle St.</b>	-Address Not Listed
<b>340 Eagle St.</b>	-Italia Pizza -Mister Donut
<b>17310 Yonge St.</b>	-Address Not Listed
<b>17600 Yonge St.</b>	-Address Not Listed

<b>PROJECT NUMBER:</b> 20111207041	
<b>Site Address:</b>	470 Crossland Gate, Newmarket, Ontario
<b>Year:</b> 1984	
<b>Site Listing:</b>	-Address Not Listed
<b>Adjacent Properties:</b>	
<b>400 Crossland Gate</b>	-Address Not Listed
<b>255 Brimson Dr.</b>	-Address Not Listed
<b>100 Eagle St.</b>	-Address Not Listed
<b>320 Eagle St.</b>	-Gray Coach Lines Ltd.
<b>340 Eagle St.</b>	-Address Not Listed
<b>17310 Yonge St.</b>	-Address Not Listed
<b>17600 Yonge St.</b>	-Address Not Listed

<b>PROJECT NUMBER:</b> 20111207041	
<b>Site Address:</b>	470 Crossland Gate, Newmarket, Ontario

<b>Year: 1979</b>	
<b>Site Listing:</b>	-Address Not Listed
<b>Adjacent Properties:</b>	
<b>400 Crossland Gate</b>	-Address Not Listed
<b>255 Brimson Dr.</b>	-Address Not Listed
<b>100 Eagle St.</b>	-Address Not Listed
<b>320 Eagle St.</b>	-Address Not Listed
<b>340 Eagle St.</b>	-Address Not Listed
<b>17310 Yonge St.</b>	-Address Not Listed
<b>17600 Yonge St.</b>	-Address Not Listed

<b>PROJECT NUMBER: 20111207041</b>	
<b>Site Address:</b>	470 Crossland Gate, Newmarket, Ontario
<b>Year: 1975</b>	
<b>Site Listing:</b>	-Address Not Listed
<b>Adjacent Properties:</b>	
<b>400 Crossland Gate</b>	-Address Not Listed
<b>255 Brimson Dr.</b>	-Address Not Listed
<b>100 Eagle St.</b>	-Address Not Listed
<b>320 Eagle St.</b>	-Address Not Listed

<b>340 Eagle St.</b>	-Address Not Listed
<b>17310 Yonge St.</b>	-Address Not Listed
<b>17600 Yonge St.</b>	-Address Not Listed

<b>PROJECT NUMBER:</b> 20111207041	
<b>Site Address:</b>	470 Crossland Gate, Newmarket, Ontario
<b>Year:</b> 1970/1971	
<b>Site Listing:</b>	-Address Not Listed
<b>Adjacent Properties:</b>	
<b>400 Crossland Gate</b>	-Address Not Listed
<b>255 Brimson Dr.</b>	-Address Not Listed
<b>100 Eagle St.</b>	-Address Not Listed
<b>320 Eagle St.</b>	-Address Not Listed
<b>340 Eagle St.</b>	-Address Not Listed
<b>17310 Yonge St.</b>	-Address Not Listed
<b>17600 Yonge St.</b>	-Address Not Listed

<b>PROJECT NUMBER:</b> 20111207041	
<b>Site Address:</b>	470 Crossland Gate, Newmarket, Ontario
<b>Year:</b> 1962	

<b>Site Listing:</b>	-Address Not Listed
<b>Adjacent Properties:</b>	
<b>400 Crossland Gate</b>	-Address Not Listed
<b>255 Brimson Dr.</b>	-Address Not Listed
<b>100 Eagle St.</b>	-Address Not Listed
<b>320 Eagle St.</b>	-Address Not Listed
<b>340 Eagle St.</b>	-Address Not Listed
<b>17310 Yonge St.</b>	-Address Not Listed
<b>17600 Yonge St.</b>	-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





## EcoLog ERIS Report



# Canada's Primary Environmental Risk Information Service

**Project Site:** Un-named  
Bathurst St and Davis Dr  
Newmarket, ON

**Client:** Alexandra Chan  
Cole Engineering Group Ltd  
70 Valleywood Drive  
Markham, ON L3R4T5

**ERIS Project No:** 20111026046

**Report Type:** Custom Report - .25km Search Radius

**Prepared By:** Mark Mattei  
[mmattei@eris.ca](mailto:mmattei@eris.ca)

**Date:** November 3, 2011

#### DISCLAIMER AND COPYRIGHT NOTICE

The information contained in this report has been produced by EcoLog ERIS Ltd. using various sources of information, including information provided by Federal and Provincial government departments. Although EcoLog ERIS Ltd. has endeavoured to present you with information that is accurate, EcoLog ERIS Ltd. disclaims, except as set out below, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence or otherwise, and for any consequences arising therefrom. Liability on the part of EcoLog ERIS Ltd. is limited to the monetary value paid for this report. The report applies only to the address specified on the cover of this report, and any alterations or deviation from this description will require a new report. This report and the data contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein and does not constitute a legal opinion nor medical advice. This report is solely intended to be used to focus further investigation and is not intended to replace a full Phase 1 Environmental Site Assessment. No page of this report should be used without this cover page, this disclaimer and the project property identifier.

The contents of this Service are protected by copyright. Copyright in the Service is owned by EcoLog ERIS Ltd. Copyright in data obtained from private sources is owned by EcoLog ERIS Ltd. or its licensors. The Service and its contents may not be copied or reproduced in whole or in any substantial part without prior written consent of EcoLog ERIS Ltd.



# Table of Contents

Order Number: 20111026046  
Site Name: Un-named  
Site Address: Bathurst St and Davis Dr Newmarket, ON  
Report Type: Custom Report, 0.25 km Search Radius

	<u>Section</u>
<b>Report Summary</b> <i>This outlines the number of records from each database that fall on the site, and within various distances from the site.</i>	<b>i</b>
<b>Site Diagram</b> <i>The records that were found within a specified distance from the project property (the primary search radius) have been plotted on a diagram to provide you with a visual representation of the information available. Sites will be plotted on the diagram if there is sufficient information from the database source to determine accurate geographic coordinates. Each plotted site is marked with an acronym identifying the database in which the record was found (i.e., WDS for Waste Disposal Sites). These are referred to as "Map Keys". A variety of problems are inherent when attempting to associate various government or private source records with locations. EcoLog ERIS has attempted to make the best fit possible between the available data and their positions on the site diagram.</i>	<b>ii</b>
<b>Site Profile</b> <i>This table describes the records that relate directly to the property that is being researched.</i>	<b>iii</b>
<b>Detail Report</b> <i>This section represents information, by database, for the records found within the primary search radius. Listed at the end of each database are the sites that could not be plotted on the locator diagram because of insufficient address information. These records will not have map keys. They have been included because they may be found to be relevant during a more detailed investigation.</i>	<b>iv</b>
	<b><u>Page</u></b>
Certificates of Approval	<b>1</b>
Ontario Regulation 347 Waste Generators Summary	<b>3</b>
Pesticide Register	<b>8</b>
Ontario Spills	<b>9</b>
Water Well Information System	<b>10</b>
<b>Appendix: Database Descriptions</b>	

# Report Summary

Order Number: 20111026046  
 Site Name: Un-named  
 Site Address: Bathurst St and Davis Dr Newmarket, 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
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	0	0
CA	Certificates of Approval	Y	0	2	2
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
COAL	Coal Gasification Plants	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	0	0
EIIS	Environmental Issues Information System	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Storage Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	3	17	17
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defence & Canadian Forces Fuel Storage Tanks	Y	0	0	0
NDSP	National Defence & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	3	3
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0



## Report Summary

Order Number: 20111026046  
Site Name: Un-named  
Site Address: Bathurst St and Davis Dr Newmarket, 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	0	0	0
SPL	Ontario Spills	Y	0	4	0	4
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
VAR	Variances for Abandonment of Underground Storage Tanks	N	0	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0	0
WWIS	Water Well Information System	Y	0	2	0	2
		TOTAL	3	28	0	28

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.



Pinpointing Your Environmental Risks

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

Project Property: Un-named  
Bathurst St and Davis Dr  
Newmarket, ON

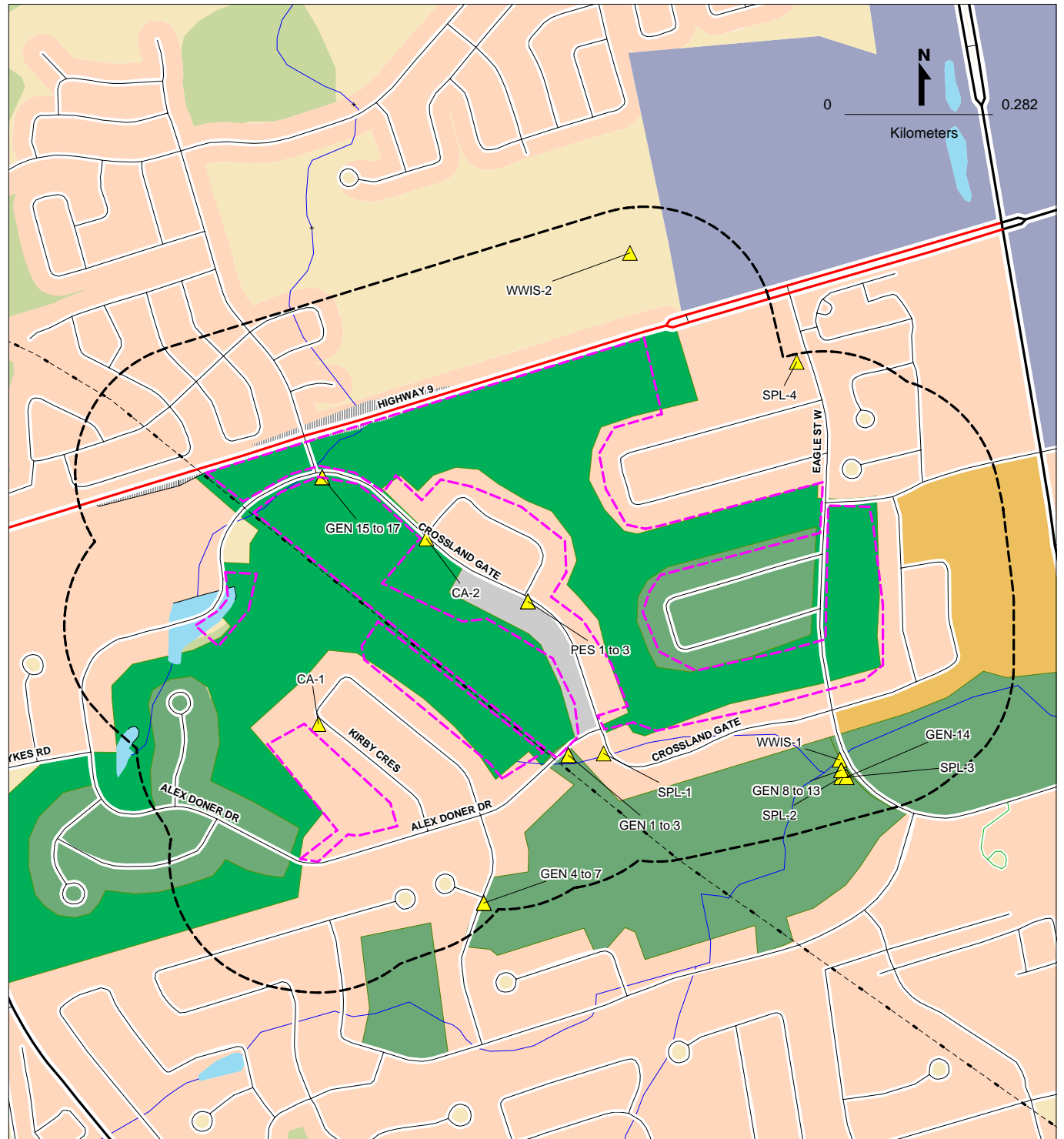
ERIS Project #: 20111026046

Date: NOV-3-2011

**LEGEND**

- |                                      |                                |
|--------------------------------------|--------------------------------|
| Project Property                     | <b>Landuse Classifications</b> |
| Database Location                    | Open Area                      |
| <b>Points of Interest</b>            | Residential                    |
| Chimney                              | Commercial                     |
| Silo                                 | Resource and Industrial        |
| <b>Pipe &amp; Transmission Lines</b> | Government and Institutional   |
| Pipeline                             | Parks and Recreational         |
| Transmission Line                    | Waterbody                      |
| Transmission Tower                   | <b>Recreation</b>              |
| Transformer Station                  | Golf Course/Driving Range      |
| <b>Rail</b>                          | Park/Sports Field              |
| Railway - Main                       | Other Recreation Area          |
| Railway - Sidetrack                  | Sports/Race Track              |
| Railway - Abandoned                  | Cemetery                       |
| Bridge                               | Campground                     |
| Tunnel                               | <b>Vegetation</b>              |
| <b>Transportation - Other</b>        | Wooded Area                    |
| Embankment                           | Orchard                        |
| Trail                                | Vineyard                       |
| Runway                               | <b>Industrial Resources</b>    |
| <b>Hydrographic Features</b>         | Conveyor                       |
| Permanent Waterway                   | Crane: Moveable                |
| Intermittent Waterway                | Crane: Stationary              |
| Open Reservoir                       | Tank                           |
| Dyke/Levee                           | Rock Cut                       |
| Dam                                  | Auto Wrecker                   |
| Breakwall                            | Lumber Yard                    |
| Wetland                              | Pit                            |

**SITE DIAGRAM**



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

# Site Report

Order Number: 20111026046

Site Name: Un-named

Site Address: Bathurst St and Davis Dr Newmarket, ON

Report Type: Custom Report, 0.25 km Search Radius

FOR COMPLETE INFORMATION, REFER TO DETAIL REPORT

## Ontario Regulation 347 Waste Generators Summary

Map Key	Company Name	Address	City	Postal Code
GEN-15	GLENWAY COUNTRY CLUB LTD.	470 CROSSLAND GATE	NEWMARKET	L3X 1B8
GEN-16	GLENWAY COUNTRY CLUB LIMITED	470 CROSSLAND GATE	NEWMARKET	L3X 1B8
GEN-17	glenway country club	470 crossland gate	newmarket	L3X 1B8

## Detail Report

Order Number: 20111026046

Site Name: Un-named

Site Address: Bathurst St and Davis Dr Newmarket 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.**

Certificates of Approval

Ontario Regulation 347 Waste Generators Summary

Pesticide Register

Ontario Spills

Water Well Information System



Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
CA-1	The Regional Municipality of York	335 Kirby Crescent Newmarket L3X 1H2	4554-62FKDL	2004	8/4/2004	Air	Approved	
			<b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>					
CA-2	INTER FAITH HOMES (MANOR GREEN)CORP.	400 CROSSLAND GATE NEWMARKET TOWN L3X 1Y9	8-3396-92-	92	2/4/1993	Industrial air	Approved in 1993	
			<b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> EMERGENCY DIESEL GENERATOR, 100KW/125KVA <b>Contaminants:</b> Nitrogen Oxides <b>Emission Control:</b> No Controls					
n/a	GLENWAY BUILDERS LTD. GLENWAY SUBD. W.	ALEX DONER DR. NEWMARKET TOWN	3-0111-86-	86	7/2/1986	Municipal sewage	Revised	
			<b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>					
n/a	GLENWAY BUILDERS LTD. GLENWAY SUBD. WEST	ALEX DONER DR. NEWMARKET TOWN	7-0076-86-	86	7/2/1986	Municipal water	Revised	
			<b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>					

### Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
n/a	GLENWAY BUILDERS LTD.	BOOSTER P.S. GLENWAY WEST NEWMARKET TOWN	7-1288-88-	88	10/14/1988	Municipal water	Approved	
			<b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>					
n/a		Lot 94-99, Concession 1 Newmarket	8620-4Q6Q43	00	10/20/00	Municipal & Private water	Approved	New Certificate of Approval
			<b>Client Name:</b> 784773 Ontario Ltd. <b>Client Address:</b> 1700 Langstaff Road, Suite 2003 <b>Client City:</b> Concord <b>Client Postal Code:</b> L4K 3S3 <b>Project Description:</b> watermains to be constructed on Streets A, A-D, A-B, Easement through Future Park, Easement through Ontario Hydro Corridor, Davis Drive right-of way, Alex Doner Drive right-of-way, Easement through Glenway Golf Course <b>Contaminants:</b> <b>Emission Control:</b>					
n/a		Parts of Lot 94, 95, 96, 97, 98, 99, Concession 1 Newmarket	0438- 4HUMM4	00	3/31/00	Municipal & Private water	Approved	New Certificate of Approval
			<b>Client Name:</b> 784773 Ontario Ltd. <b>Client Address:</b> 1700 Langstaff Road, Suite 2003 <b>Client City:</b> Concord <b>Client Postal Code:</b> L4K 3S3 <b>Project Description:</b> Watermains and appurtenances to be constructed to serve the Woodland Hill Subdivision. <b>Contaminants:</b> <b>Emission Control:</b>					

## Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-1	GLENWAY ESTATES COUNTRY CLUB	240 ALEX DOWER MAINTENANCE SHOP C/O 470 CROSSLAND GATE NEWMARKET L3X 1B8	9651	GOLF COURSES	213	PETROLEUM DISTILLATES
					252	WASTE OILS & LUBRICANTS
GEN-2	GLENWAY COUNTRY CLUB LIMITED	240 ALEX DONER DRIVE NEWMARKET L3X 1B8	Generator #: ON1144600 Approval Yrs: 89		145	PAINT/PIGMENT/COATING RESIDUES
					212	ALIPHATIC SOLVENTS
					213	PETROLEUM DISTILLATES
					252	WASTE OILS & LUBRICANTS
GEN-3	GLENWAY COUNTRY CLUB (2010) LIMITED	240 ALEX DONER DRIVE NEWMARKET L3X 1B8	Generator #: ON1144600 Approval Yrs: As of Oct 2010		212	Aliphatic solvents and residues
					252	Waste crankcase oils and lubricants
GEN-4	YORK REGION BOARD OF EDUCATION 43-605	CROSSLAND PUBLIC SCHOOL 255 BRIMSON DR. NEWMARKET L3X 1H8	8511	ELEMT./SECON. EDUC.	148	INORGANIC LABORATORY CHEMICALS
					231	LATEX WASTES
					232	POLYMERIC RESINS
					263	ORGANIC LABORATORY CHEMICALS
GEN-5	YORK REGION DISTRICT SCHOOL BOARD	Crosslands Public School 255 Brimson Drive Newmarket L3X 1H8	611690	All Other Schools and Instruction	263	ORGANIC LABORATORY CHEMICALS
GEN-6	YORK REGION DISTRICT SCHOOL BOARD	CROSSLAND PUBLIC SCHOOL 255 BRIMSON DRIVE NEWMARKET L3X 1H8	8511	ELEMT./SECON. EDUC.	148	INORGANIC LABORATORY CHEMICALS
					231	LATEX WASTES
					232	POLYMERIC RESINS
					263	ORGANIC LABORATORY CHEMICALS
GEN-7	YORK REGION DISTRICT SCHOOL BOARD	Crosslands Public School 255 Brimson Drive Newmarket L3X 1H8	Generator #: ON7286969 Approval Yrs: As of Oct 2010		212	Aliphatic solvents and residues
					263	Misc. waste organic chemicals

## Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-8	NEWMARKET, TOWN OF	NEWMARKET RECREATION COMPLEX 100 EAGLE STREET WEST NEWMARKET	8364	REC./CULTURE ADMIN.  <b>Generator #:</b> ON0903900 <b>Approval Yrs:</b> 99,00,01	145	PAINT/PIGMENT/COATING RESIDUES
					148	INORGANIC LABORATORY CHEMICALS
					213	PETROLEUM DISTILLATES
					221	LIGHT FUELS
					242	HALOGENATED PESTICIDES
					252	WASTE OILS & LUBRICANTS
					263	ORGANIC LABORATORY CHEMICALS
					269	NON-HALOGENATED PESTICIDES
					312	PATHOLOGICAL WASTES
					331	WASTE COMPRESSED GASES
GEN-9	NEWMARKET, TOWN OF	100 EAGLE STREET WEST NEWMARKET RECREATION COMPLEX NEWMARKET	8364	REC./CULTURE ADMIN.  <b>Generator #:</b> ON0903900 <b>Approval Yrs:</b> 92,93,97,98	145	PAINT/PIGMENT/COATING RESIDUES
					148	INORGANIC LABORATORY CHEMICALS
					213	PETROLEUM DISTILLATES
					221	LIGHT FUELS
					242	HALOGENATED PESTICIDES
					252	WASTE OILS & LUBRICANTS
					263	ORGANIC LABORATORY CHEMICALS
					269	NON-HALOGENATED PESTICIDES
					312	PATHOLOGICAL WASTES
					331	WASTE COMPRESSED GASES

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-10	YORK, REGIONAL MUNICIPALITY OF	RAY TWINNEY RECREATION COMPLEX 100 EAGLE STREET WEST NEWMARKET L3Y 4X1	4999	OTHER UTILITY IND.  <b>Generator #:</b> ON0722311 <b>Approval Yrs:</b> 99,00,01,02,03,04	145	PAINT/PIGMENT/COATING RESIDUES
					148	INORGANIC LABORATORY CHEMICALS
					212	ALIPHATIC SOLVENTS
					213	PETROLEUM DISTILLATES
					221	LIGHT FUELS
					242	HALOGENATED PESTICIDES
					252	WASTE OILS & LUBRICANTS
					263	ORGANIC LABORATORY CHEMICALS
					269	NON-HALOGENATED PESTICIDES
					312	PATHOLOGICAL WASTES
331	WASTE COMPRESSED GASES					
GEN-11	YORK, REGIONAL MUNICIPALITY OF	43-522 NEWMARKET RECREATION COMPLEX 100 EAGLE ST. W. BOX 296 NEWMARKET L3Y 4X1	4999	OTHER UTILITY IND.  <b>Generator #:</b> ON0722311 <b>Approval Yrs:</b> 94	145	PAINT/PIGMENT/COATING RESIDUES
					148	INORGANIC LABORATORY CHEMICALS
					212	ALIPHATIC SOLVENTS
					213	PETROLEUM DISTILLATES
					221	LIGHT FUELS
					242	HALOGENATED PESTICIDES
					252	WASTE OILS & LUBRICANTS
					263	ORGANIC LABORATORY CHEMICALS
					269	NON-HALOGENATED PESTICIDES
					312	PATHOLOGICAL WASTES
331	WASTE COMPRESSED GASES					



## Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-12	YORK, REGIONAL MUNICIPALITY OF 43-522	RAY TWINNEY RECREATION COMPLEX 100 EAGLE STREET WEST NEWMARKET L3Y 4X1	4999	OTHER UTILITY IND.  <b>Generator #:</b> ON0722311 <b>Approval Yrs:</b> 92,93,95,96,97,98	145	PAINT/PIGMENT/COATING RESIDUES
					148	INORGANIC LABORATORY CHEMICALS
					212	ALIPHATIC SOLVENTS
					213	PETROLEUM DISTILLATES
					221	LIGHT FUELS
					242	HALOGENATED PESTICIDES
					252	WASTE OILS & LUBRICANTS
					263	ORGANIC LABORATORY CHEMICALS
					269	NON-HALOGENATED PESTICIDES
					312	PATHOLOGICAL WASTES
331	WASTE COMPRESSED GASES					
GEN-13	THE CORPORATION OF THE TOWN OF NEWMARKET	100 EAGLE STREET WEST NEWMARKET L3Y 6B1		<b>Generator #:</b> ON0903900 <b>Approval Yrs:</b> 02,03,04,05,06,07,08	133	BRINES, CHLOR-ALKALI WASTES
					145	PAINT/PIGMENT/COATING RESIDUES
					148	INORGANIC LABORATORY CHEMICALS
					213	PETROLEUM DISTILLATES
					221	LIGHT FUELS
					242	HALOGENATED PESTICIDES
					263	ORGANIC LABORATORY CHEMICALS
					269	NON-HALOGENATED PESTICIDES
					312	PATHOLOGICAL WASTES
					331	WASTE COMPRESSED GASES
211	AROMATIC SOLVENTS					
252	WASTE OILS & LUBRICANTS					
GEN-14	THE CORPORATION OF THE TOWN OF NEWMARKET	100 EAGLE STREET WEST NEWMARKET L3Y 6B1		<b>Generator #:</b> ON0903900 <b>Approval Yrs:</b> As of Oct 2010	133	Brine, chlor-alkali sludges
					211	Aromatic solvents and residues
					252	Waste crankcase oils and lubricants

### Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-15	GLENWAY COUNTRY CLUB LTD.	470 CROSSLAND GATE NEWMARKET L3X 1B8	9651	GOLF COURSES	213	PETROLEUM DISTILLATES
					252	WASTE OILS & LUBRICANTS
			<b>Generator #:</b>	ON1144600		
			<b>Approval Yrs:</b>	92,93,94,95,96,97,98		
GEN-16	GLENWAY COUNTRY CLUB LIMITED	470 CROSSLAND GATE NEWMARKET L3X 1B8	9651	GOLF COURSES	145	PAINT/PIGMENT/COATING RESIDUES
					212	ALIPHATIC SOLVENTS
					213	PETROLEUM DISTILLATES
					252	WASTE OILS & LUBRICANTS
			<b>Generator #:</b>	ON1144600		
			<b>Approval Yrs:</b>	99,00,01		
GEN-17	glenway country club	470 crossland gate newmarket L3X 1B8	713910	Golf Courses and Country Clubs		
			<b>Generator #:</b>	ON6207605		
			<b>Approval Yrs:</b>	04		

## Pesticide Register

Map Key	Company	Address	Licence No.	Licence Type
PES-1	SYTSMA ANDY LANDSCAPING	306 CROSSLAND GATE NEWMARKET L3X 1B2		Operator
PES-2	SYTSMA ANDY LANDSCAPING	306 CROSSLAND GATE NEWMARKET L3X 1B2		Operator
PES-3	ANDY SYTSMA LANDSCAPING LTD	306 CROSSLAND GATE NEWMARKET L3X 1B2	02-01-05502-0	Operator

## Ontario Spills

Map Key	Company	Address	Ref No.	Incident Dt	MOE Reported Dt	Contaminant Name	Contaminant Quantity
SPL-1	NEWMARKET HYDRO	240 CROSSLAND GATE TRANSFORMER NEWMARKET TOWN L3X 1A9	118251	9/8/1995	9/8/1995		
			<b>Incident Summary:</b>	NEWMARKET HYDRO 250L NON PCB OIL TO ROAD,& SEWER.CLEANING,WORKS ON SITE			
			<b>Incident Cause:</b>	COOLING SYSTEM LEAK			
			<b>Incident Reason:</b>	DAMAGE BY MOVING EQUIPMENT			
			<b>Nature of Impact:</b>	Multi Media Pollution			
			<b>Receiving Medium:</b>	LAND / WATER			
			<b>Environmental Impact:</b>	POSSIBLE			
SPL-2	UNKNOWN	RAY TWINNEY SPORTS COMPLEX, 100 EAGLE ST. WEST NEWMARKET TOWN	170404	7/19/1999	7/19/1999		
			<b>Incident Summary:</b>	UNKNOWN- DIESEL FUEL TO C/B AND SWALE. RESIDUAL AMOUNTS TO WESTERN CREEK.			
			<b>Incident Cause:</b>	UNKNOWN			
			<b>Incident Reason:</b>	UNKNOWN			
			<b>Nature of Impact:</b>	Water course or lake			
			<b>Receiving Medium:</b>	WATER			
			<b>Environmental Impact:</b>	CONFIRMED			
SPL-3	The Corporation of the Town of Newmarket; Toromont Industries Ltd.	100 EAGLE STREET WEST R.J. TWINNEY RECREATION COMPLEX Newmarket	7530-6REN34	7/5/2006	7/5/2006	AMMONIA SOLUTION (LT 10%)	3338 L
			<b>Incident Summary:</b>	Spill - white paint & ammonia into creek - Newmarket			
			<b>Incident Cause:</b>	Discharge Or Bypass To A Watercourse			
			<b>Incident Reason:</b>	Negligence (Apparent) - Caused by lack of diligence			
			<b>Nature of Impact:</b>	Surface Water Pollution			
			<b>Receiving Medium:</b>	Water			
			<b>Environmental Impact:</b>	Confirmed			
SPL-4	GO TRANSIT	320 EAGLE ST WEST, GO TRANSIT BUS TERMINAL. MOTOR VEHICLE (OPERATING FLUID) NEWMARKET TOWN L3Y 7M9	141940	6/12/1997	6/12/1997		
			<b>Incident Summary:</b>	GO TRANSIT-10 L TRANSMISSION FLUID FROM BUS ONTOGR'ND & ST, WILL CLEAN.			
			<b>Incident Cause:</b>	OTHER CONTAINER LEAK			
			<b>Incident Reason:</b>	UNKNOWN			
			<b>Nature of Impact:</b>				
			<b>Receiving Medium:</b>	LAND			
			<b>Environmental Impact:</b>	NOT ANTICIPATED			

### Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality																																								
WWIS-1		lot 93 con 1	6913276	093	01	YS W	YORK	NEWMARKET TOWN (KING)																																								
<p> <b>Easting Nad83:</b> 621433.6  <b>Northing Nad83:</b> 4878064  <b>Zone:</b> 17  <b>Utm Reliability:</b> margin of error : 30 m - 100 m  <b>Construction Date:</b> 10/17/1975  <b>Primary Water Use:</b>  <b>Secondary Water Use:</b>  <b>Well Depth:</b> 325 ft  <b>Pump Rate:</b>  <b>Static Water Level:</b>  <b>Flow Rate:</b>  <b>Clear/Cloudy:</b>  <b>Specific Capacity:</b>  <b>Final Well Status:</b> Abandoned-Supply  <b>Construction Method:</b> Rotary (Convent.)  <b>Flowing (y/n):</b>  <b>Elevation (m):</b> 265.070556  <b>Elevation Reliability:</b>  <b>Depth to Bedrock:</b> 321  <b>Overburden/Bedrock:</b> Bedrock  <b>Water Type:</b>  <b>Casing Material:</b> </p> <table border="1"> <thead> <tr> <th><u>Thickness</u></th> <th><u>Original Depth</u></th> <th><u>Material Colour</u></th> <th><u>Material</u></th> </tr> </thead> <tbody> <tr> <td>3 ft</td> <td>3 ft</td> <td>GREY</td> <td>CLAY</td> </tr> <tr> <td>2 ft</td> <td>5 ft</td> <td>BLACK</td> <td>MUCK</td> </tr> <tr> <td>17 ft</td> <td>22 ft</td> <td>GREY</td> <td>CLAY</td> </tr> <tr> <td>3 ft</td> <td>25 ft</td> <td>GREY</td> <td>SILT, GRAVEL</td> </tr> <tr> <td>5 ft</td> <td>30 ft</td> <td>GREY</td> <td>CLAY, SILT, SAND</td> </tr> <tr> <td>5 ft</td> <td>35 ft</td> <td>BROWN</td> <td>GRAVEL, BOULDERS, SAND</td> </tr> <tr> <td>229 ft</td> <td>264 ft</td> <td>GREY</td> <td>CLAY, GRAVEL</td> </tr> <tr> <td>57 ft</td> <td>321 ft</td> <td>GREY</td> <td>CLAY, GRAVEL</td> </tr> <tr> <td>4 ft</td> <td>325 ft</td> <td>GREY</td> <td>LIMESTONE</td> </tr> </tbody> </table>									<u>Thickness</u>	<u>Original Depth</u>	<u>Material Colour</u>	<u>Material</u>	3 ft	3 ft	GREY	CLAY	2 ft	5 ft	BLACK	MUCK	17 ft	22 ft	GREY	CLAY	3 ft	25 ft	GREY	SILT, GRAVEL	5 ft	30 ft	GREY	CLAY, SILT, SAND	5 ft	35 ft	BROWN	GRAVEL, BOULDERS, SAND	229 ft	264 ft	GREY	CLAY, GRAVEL	57 ft	321 ft	GREY	CLAY, GRAVEL	4 ft	325 ft	GREY	LIMESTONE
<u>Thickness</u>	<u>Original Depth</u>	<u>Material Colour</u>	<u>Material</u>																																													
3 ft	3 ft	GREY	CLAY																																													
2 ft	5 ft	BLACK	MUCK																																													
17 ft	22 ft	GREY	CLAY																																													
3 ft	25 ft	GREY	SILT, GRAVEL																																													
5 ft	30 ft	GREY	CLAY, SILT, SAND																																													
5 ft	35 ft	BROWN	GRAVEL, BOULDERS, SAND																																													
229 ft	264 ft	GREY	CLAY, GRAVEL																																													
57 ft	321 ft	GREY	CLAY, GRAVEL																																													
4 ft	325 ft	GREY	LIMESTONE																																													



### Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality																				
WWIS-2		lot 96 con 1	6915175	096	01	YS W	YORK	NEWMARKET TOWN (EAST GWILLIMBURY)																				
<p> <b>Easting Nad83:</b> 621014.6  <b>Northing Nad83:</b> 4879023  <b>Zone:</b> 17  <b>Utm Reliability:</b> margin of error : 100 m - 300 m  <b>Construction Date:</b> 8/30/1979  <b>Primary Water Use:</b> Domestic  <b>Secondary Water Use:</b>  <b>Well Depth:</b> 137 ft  <b>Pump Rate:</b> 10 GPM  <b>Static Water Level:</b> 45 ft  <b>Flow Rate:</b>  <b>Clear/Cloudy:</b> CLEAR  <b>Specific Capacity:</b>  <b>Final Well Status:</b> Water Supply  <b>Construction Method:</b> Cable Tool  <b>Flowing (y/n):</b> N  <b>Elevation (m):</b> 280.898712  <b>Elevation Reliability:</b>  <b>Depth to Bedrock:</b>  <b>Overburden/Bedrock:</b> Overburden  <b>Water Type:</b> FRESH  <b>Casing Material:</b> STEEL                 </p> <table border="1"> <thead> <tr> <th><u>Thickness</u></th> <th><u>Original Depth</u></th> <th><u>Material Colour</u></th> <th><u>Material</u></th> </tr> </thead> <tbody> <tr> <td>27 ft</td> <td>27 ft</td> <td>GREY</td> <td>CLAY, STONES</td> </tr> <tr> <td>75 ft</td> <td>102 ft</td> <td>BLUE</td> <td>CLAY, STONES</td> </tr> <tr> <td>18 ft</td> <td>120 ft</td> <td>BLUE</td> <td>CLAY</td> </tr> <tr> <td>17 ft</td> <td>137 ft</td> <td>GREY</td> <td>SAND, CLAY, STONES</td> </tr> </tbody> </table>									<u>Thickness</u>	<u>Original Depth</u>	<u>Material Colour</u>	<u>Material</u>	27 ft	27 ft	GREY	CLAY, STONES	75 ft	102 ft	BLUE	CLAY, STONES	18 ft	120 ft	BLUE	CLAY	17 ft	137 ft	GREY	SAND, CLAY, STONES
<u>Thickness</u>	<u>Original Depth</u>	<u>Material Colour</u>	<u>Material</u>																									
27 ft	27 ft	GREY	CLAY, STONES																									
75 ft	102 ft	BLUE	CLAY, STONES																									
18 ft	120 ft	BLUE	CLAY																									
17 ft	137 ft	GREY	SAND, CLAY, STONES																									

## 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 Jun 2010**

**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 database 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-Aug 2011**

**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 1985-2011**

**CA**

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status.

#### **TSSA Commercial Fuel Oil Tanks 1948-Aug 2011**

**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 and Coal Tar Sites April 1987 and November 1988\***

**COAL**

This inventory includes both the “Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987” and the “Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.\*

**Compliance and Convictions 1989-2011**

**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 1994-2011**

**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 Jun 2011**

**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-Oct 2010**

**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-Nov 2010****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), 1994-2009****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-Jun 2011****OOGW**

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

**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-Mar 2011****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 2004-2011**

**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-Nov 2010**

**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 1990-2009**

**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).

**TSSA Variances for Abandonment of Underground Storage Tanks Current to October 2011**

**VAR**

The TSSA, Under the Liquid Fuels Handling Code and the Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, you may apply to seek a variance from this code requirement. This is a list of all variances granted for abandoned tanks.

**Waste Disposal Sites - MOE CA Inventory 1970-2011**

**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-Mar 2011**

**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-Sept 2011****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-Aug 2010**

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 1988-2008**

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 1993-2009**

NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

**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 authoritative. The information was collected for research purposes only.*

### **Automobile Wrecking & Supplies 2001-Jun 2010**

**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-Jun 2010**

**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-Sept 2011**

**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 2001-2011**

**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](http://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-Jun 2010**

**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-Mar 2011**

**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.*

## TSSA Search Results



Hi Alexandra,

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 ([publicinformationsservices@tssa.org](mailto:publicinformationsservices@tssa.org)) or through mail along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Thank you and have a great day!

Sarah Png  
Public Information Services

"Putting Public Safety First"

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

Toll-Free: 1-877-682-8772  
Email: [publicinformationsservices@tssa.org](mailto:publicinformationsservices@tssa.org)  
Web Site: [www.tssa.org](http://www.tssa.org)

"Alexandra Chan" <[achan@coleengineering.ca](mailto:achan@coleengineering.ca)>

11/08/2011 01:37 PM

To <[publicinformationsservices@tssa.org](mailto:publicinformationsservices@tssa.org)>

cc

Subject: another TSSA search

Hello,

Cole Engineering will be conducting a Phase I Environmental Site Assessment at the following location:

**470 Crossland Gate, Newmarket, ON**

As part of our assessment, we are contacting government officials to ascertain whether they have

any knowledge of activities which have resulted, or may result in, environmental concerns. Specifically, we are seeking information on the following:

- ◆ tank installation;
- ◆ fuel tank registration;
- ◆ records of spills;
- ◆ records of tank removal;
- ◆ records of environmental testing or removal of contaminated soil following tank removal;
- ◆ outstanding instructions;
- ◆ any other pertinent information.

Please provide a preliminary basic record for the site in question.

Thanks,  
Alexandra Chan, B.Eng.  
Environmental Management  
Environmental Sciences & Engineering

**Cole Engineering Group Ltd.**  
70 Valleywood Dr., Markham, ON L3R 4T5  
Tor. Line: 416-987-6161, Ext.Phone: 905-940-6161  
Cell: 416-938-9228 Fax: 905-940-2064  
Email: [achan@coleengineering.ca](mailto:achan@coleengineering.ca)  
Website: [www.ColeEngineering.ca](http://www.ColeEngineering.ca)

**CONFIDENTIALITYNOTE**

This email may contain confidential information and any rights to privilege have not been waived. If you have received this transmission in error, please notify us by telephone or e-mail. Thank you.

*Please consider the environment before printing this message.*

This electronic message and any attached documents are intended only for the named addressee(s).

This communication from the Technical Standards and Safety Authority may contain information that is privileged, confidential or otherwise protected from disclosure and it must not be disclosed,

copied, forwarded or distributed without authorization. If you have received this message in error, please notify the sender immediately and delete the original message.

Thank you.

## MOE Freedom of Information

**Ministry of  
the Environment**

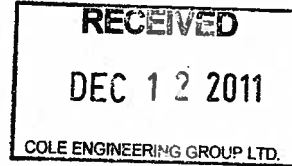
Freedom of Information and  
Protection of Privacy Office

12<sup>th</sup> Floor  
40 St. Clair Avenue West  
Toronto ON M4V 1M2  
Tel: (416) 314-4075  
Fax: (416) 314-4285

**Ministère de  
l'Environnement**

Bureau de l'accès à l'information  
et de la protection de la vie privée

12<sup>e</sup> étage  
40, avenue St. Clair ouest  
Toronto ON M4V 1M2  
Tél. : (416) 314-4075  
Télééc. : (416) 314-4285



November 30, 2011

Alexandra Chan  
Cole Engineering Group Ltd  
70 Valleywood Dr  
Markham, ON L3R 4T5

Dear Alexandra Chan:

**RE: *Freedom of Information and Protection of Privacy Act* Request  
Our File #: A-2011-04888, Your Reference #: L09-301**

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 470 Crossland Gate, Newmarket (Formerly known as Part of Lot 94, Concession 1, Newmarket and Part of Lot 94, Concession 1 WYS, Newmarket).

After a thorough search of the Ministry's York Durham District Office, Investigations and Enforcement Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, records were located in response to your request. It is my decision to provide partial access to the attached information as personal information has been removed to protect privacy in accordance with Section 21(1)(f) of the Act. Secondly, website records have also been removed as they are publicly available as outlined by Section 22 (a) of the Act. The records can be acquired through the Glenway Country Club website located at [www.glenwaycountryclub.com](http://www.glenwaycountryclub.com).

In accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, detailed below are our charges:

• Search Time 1 hour @ \$30/hour	\$30.00
• Copying 28 pages @ \$0.20/page	\$5.60
• Delivery	\$3.00
• <b>Total</b>	<b>\$38.60</b>
• Deposit Received	- \$30.00
• <b>BALANCE WAIVED (NOT REQUIRED)</b>	<b>\$8.60</b>

The District Office has advised that there may be inactive records in the Records Centre, Mississauga. To retrieve these files there is a charge of \$60.00 with no guarantee that any records will be located responsive to your request. If you would like us to retrieve these files, **please forward to me at the above address payment by money order or cheque (made payable to the "Minister of Finance (FOI)") or by credit card in the amount of \$60.00.** Please note, a request for records must usually be answered within 30 calendar days, however Section 27 allows for time extensions under certain circumstances. If you choose to have the files retrieved from the Records Centre, the time for answering your request will be extended for an additional 30 days.

If you object to any decision I have made, you may request a review by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a \$25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Liz Mico at (416) 212-0559.

Yours truly,



Heidi Ritscher  
FOI Manager

Attachments





HOME AIR WATER LAND AGRICULTURE NEWS&REGULATIONS

USE MANAGEMENT COOPERATION WASTE TO ENERGY WASTE TO LANDFILL

**hwin**

Administration

Ministry of the  
**Environment**

central site | feedback | search | site map | français

Search

Go

Company Name: glenway country club  
Company Number: ON6207605 (Generator)

**Active Waste Classes**

**Active Waste Class Listing**  
[Add New Waste Class](#) [Inactive waste classes](#)

**Active Off-site Waste Classes**  
**Waste Class** **View Details** **Hazardous Waste Number** **Reg. 347 Schedules** **Disposal Method** **Part 2B required** **Part 2B complete** **Physical State** **Off-Site** **Status** **UnRegister** **Waste Class**  
(per waste stream)

243 - D [View details](#) N/A

Solid

Off-Site Active

UnRegister Waste Class

Back

Unregister Selected Classes

Ontario This site maintained by the Government of Ontario

Technical inquires to [Webmaster](#).  
© 2002 [Queen's Printer](#) for Ontario



Ministry of the Environment

central site | feedback | search | site map | francais

HOME | AIR | WATER | LAND | ABOUT US | NEWS & PUBLICATIONS

User Management / Company Mgmt / Manifests / Site Data / HELP / Logout

hwins

Administration



Search

Go

Generator Details

Registration/Notification Number

ON6207605

Legal Company Name

Primary Name: glenway country club

Division Name: NA

Company Operating Name

Primary Name: glenway country club

Division Name: NA

Mailing Address

Division Building: NA

Post Box Number: NA

Address Line 1: 470 crossland gate

Address Line 2: NA

Town/City: newmarket

Postal Code / Zip Code: L3X 1B8

County: (if inside Ontario) DUFFERIN

Province/State (if inside Canada/US) ONTARIO

County: (if outside Ontario) NA

Province / State (if outside Canada / US) NA

Country: Canada

Province / State (if outside Canada / US) NA

Site Location

This should be the street address of the site that is being registered. You are required to register each site that generates hazardous waste separately.

Division Building: NA

Post Box Number: NA

Address Line 1: 470 crossland gate

Postal Code / Zip Code: L3X 1B8

Address Line 2: NA

Province / State (if inside Canada / US) ONTARIO

Town/City: newmarket

Province / State (if outside Canada / US) NA

County: (if inside Ontario) DUFFERIN

Province / State (if outside Canada / US) NA

County: (if outside Ontario) NA

Province / State (if outside Canada / US) NA

Country: Canada

Province / State (if outside Canada / US) NA

**File Copy for ON1144600 SCHEDULE 'A' - FILE COPY**

**March 14, 2001**

**GLENWAY COUNTRY CLUB LIMITED  
470 CROSSLAND GATE**

**NEWMARKET, ON  
L3X 1B8**

**Attention: MR. CRAIG WILSON**

**Re: Acknowledgement of Subject Waste Registration**

In accordance with Subsection 18(3) of Ontario Regulation 347, this letter acknowledges receipt of your Generator Registration report dated February 15, 2001. The Generator Registration Number assigned to your company is:

**ON1144600**

for the site located at: **470 CROSSLAND GATE**

**NEWMARKET  
ON**

A list of acknowledged waste number(s) is attached as Schedule 'A'. A waste number appears only once, regardless of the number of different waste streams which may have identical waste numbers. The waste description is also generic. However, you are still required to register all waste streams, even if they have identical waste numbers.

For off-site disposal of subject waste, the appropriate waste number(s) acknowledged in Schedule 'A', and the Generator Registration Number, must be entered in Part A of each manifest form after receipt of this generator registration document. Under Ontario's Environmental Protection Act, the property receiving the waste must be approved as a disposal site for the waste it is receiving. The disposal of waste at an uncertified site is illegal.

The selection of accurate waste numbers is your responsibility. This acknowledgement must not be considered a confirmation of the accuracy of the information submitted by you. Should the waste number(s) you have selected be deemed incorrect by the Ministry, or improper waste disposal occurs at any time, you may be subject to legal action as provided by the Environmental Protection Act and Regulation 347.

**SCHEDULE 'A'**

In accordance with information submitted with your generator registration report(s), the site indicated below is registered for the waste number(s) shown on this schedule, which may represent more than one waste stream. This attached Schedule forms part of the acknowledgement of generator registration report dated February 15, 2001 for the following site:

GLENWAY COUNTRY CLUB LIMITED  
470 CROSSLAND GATE

NEWMARKET  
ON

identified by Generator Registration Number ON1144600, dated in Toronto, March-14, 2001.

<b><u>WASTE STREAM</u></b>	<b><u>WASTE NUMBER</u></b>
PAINT/PIGMENT/COATING RESIDUES	145H
ALIPHATIC SOLVENTS	212L
PETROLEUM DISTILLATES	213I
WASTE OILS & LUBRICANTS	252L

— *End of List* —

File: NE CR 110

Mailed  
Dec 18/08  
AM

Ministry of the Environment  
Central Region  
York Durham District Office  
5th Floor  
230 Westney Rd S  
Ajax ON L1S 7J5  
Fax: (905)427-5602  
Tel: (905) 427-1438

Ministère de l'Environnement  
Direction régionale du Centre  
Bureau du district de York Durham  
5e étage  
230 Westney Rd S  
Ajax ON L1S 7J5  
Télécopieur: (905)427-5602  
Tél:(905) 427-1438



December 18, 2008

Glenway Country Club (1994) Limited  
470 Crossland Gate  
Newmarket, Ontario, L3X 1B8  
Canada

Attention: Management Office and Peter Dickey

Dear Mr. Dickey:

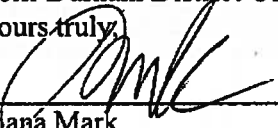
**RE:** Pesticide Operator Exterminator Inspection Report, under the  
Pesticides Act and Ontario Regulation 914  
Reference Number 5063-7DYR7V

On May 27, 2008, a proactive inspection was conducted at your facility.

The enclosed Inspection Report will outline the findings, and Section 5.0, will indicate any actions which shall be taken by your management team at the facility in order to ensure full compliance.

If you have any further questions concerning this inspection, please contact me at the York-Durham District Office. insert clause here

Yours truly,

  
\_\_\_\_\_  
Dianá Mark  
Environmental Officer  
York Durham District Office

File Storage Number: NM-110  
NE-CR-110

Copy: Dan Panko, Pesticides Specialist (MOE)





## Pesticide Operator Exterminator Inspection Report

<b>Client:</b>	Glenway Country Club (1994) Limited Mailing Address: 470 Crossland Gate, Newmarket, Ontario, Canada, L3X 1B8 Physical Address: 470 Crossland Gate, Newmarket, Town, Regional Municipality of York, Ontario, Canada, L3X 1B8 Telephone: (519)740-3334, FAX: (519)740-2320 Client #: 9721-5ZZMA3, Client Type: Corporation		
<b>Inspection Site Address:</b>	Glenway Country Club Address: 470 Crossland Gate, Newmarket, Town, Regional Municipality of York, L3X 1B8 District Office: York-Durham GeoReference:		
<b>Contact Name:</b>	Peter Dickey	<b>Title:</b>	Superintendent
<b>Contact Telephone:</b>	(905)773-2755 ext.	<b>Contact Fax:</b>	(905)853-7954
<b>Last Inspection Date:</b>			
<b>Inspection Start Date:</b>	2008/05/27	<b>Inspection Finish Date:</b>	2008/05/27
<b>Region:</b>	Central		

### 1.0 INTRODUCTION

The Glenway Country Club (golf) is located on the south-east corner of Bathurst Street and Davis Drive. A tributary of the Holland River canal system flows through the west side of the course.

The golf course generally operates from mid April to the end of October, and is open from dawn to dusk, 7 days a week. The Club has dedicated outside areas for other social gatherings and sports activities.

The total land is approximately 150 acres. Only the greens, tees and fairways are treated, rather than blanket spraying of the entire course. There are 9 ponds which are not treat for herbicides, therefore no aquatic licence is required.

This was a pro-active inspection to review the facility for compliance with appropriate environmental legislation. The Pesticides Act and Regulation Reg. 914. In support of this inspection, ministry files and data bases were reviewed, company documentation was reviewed and a site inspection was conducted. The inspection was conducted with the assistance of the Course Superintendent, Mr. Peter Dickie, Golf Course Superintendent and Mr. John Pellington, Assistant Grounds Supervisor, who does the pesticide spraying.

### 2.0 INSPECTION OBSERVATIONS

#### 2.1 LICENSE REQUIREMENTS

Operator/Exterminator License Number(s):

Peter Dickey,  
John Pellington, #

s.21

No certified pesticide technicians are employed by the Club. No pesticides are applied by contractors. No water exterminations were conducted on site in the past 2 years.

**Golf Course Inspection – Glenway Country Club**

Inspection Date: May 27, 2008

Address: 470 Crossland Gate, Newmarket

Contact Person: John Pollington, Assistant Superintendent

**Summary of non-compliance/recommendations**

***Storage***

- Not sufficient precautions to prevent contamination of other pesticides or natural environment (s.121(1)2 of Reg 914)
- Recommend a berm or skirt to prevent a spill from reaching the catch basin (there is a drain just outside storage area and there is a space under the door of the storage unit)
  
- Secondary containers need to have the concentration of each active ingredient and the PCP number (s. 26(1) of Reg 914)
  
- Prohibited pesticides are stored or used (s.62 of Reg 914)
- The registration of Wilson Cygon (PCP# 9801) expired 2004-12-31 and the registration of Dursban (PCP# 10637) expired 1998-12-31

***Handling / Usage***

- Pesticide mixing, loading and rinsing is not conducted in a manner to protect human health and the environment (s. 4 of *Pesticides Act*)
- Require a designated contained/containable mixing and loading area

***Posting/Public Notice***

- Public area signs are not posted every 100m along the perimeter of the treatment area (s. 67(1) of Reg 914) and the golf course does not have alternate notification approval

No permits were required for applications that were applied over the past 2 years.

2.2 STORAGE/TRANSPORT:

Pesticide	Size	Quantity	PCP#	Schedule
See table below	-	-	-	-

The following pesticides are stored in a maintenance shed:

**Glenway Country Club Product List**

Produce	PCP #	Schedule	Package Size*
Daconil 2787 Flowable Fungicide	15724	3	7.57L
Roveral Green Flowable Fungicide	24379	3	10.0 L
Terminator Mouse and Rat Water Resistant Bait	23761	2	0.02535 Kg
Wilson Cygon 2-E Systemic Insecticide	9801	Registration expired 2004-12-31	
Wilson Ant Killer Dust	26923	4	1.0 Kg
Daconil Ultrex Fungicide	28354	3	544 Kg
Heritage Maxx Fungicide	28393	2	37.8 L
Compass 50WG Fungicide	27527	2	0.454 Kg
Banner Maxx Fungicide	27003	2	56.85 L
Primo Maxx Plant Growth Regulator	26989	3	3.78 L
Chipco Aliette Signature Fungicide	28299	2	2.26 Kg
B-Nine-SP Chemical Height Retardant for Plants	17599	2	0.5 Kg
Dimension Turf Herbicide	23003	2	115.0 L
Glyphos Herbicide	24359	6	30.0 L
Killex Turf Herbicide Liquid Concentrate (Green Cross)	27976	3	600 L
Expedite Grass and Weed Herbicide	21593	6	5.0 L
Mecoprop-P Herbicide	27891	3	115.0 L
Bug-B-Gon Hornet and Wasp Pressurized Contact and Residual Insecticide SPR	25878	4	0.4 Kg
Clean Crop Malathion 500E Insecticide	4709	3	
Slug-Em Slug Bait	2791	3	10.0 Kg
Dursban 4E Insecticide	10637	Registration expired 1998-12-31	
Glyphos Herbicide	24359	6	30.0 L
Roundup Ultra2 Liquid Herbicide	28486	3	750 L
Merit Solupak Insecticide	25932	3	0.045 Kg
Thionex 50W Wettable Powder Insecticide	14617	2	
Cycocel Liquid Plant Growth Regulator	12828	2	

\* The package size was found on the PEPISIS database, not during the inspection

Pesticide identification should be posted on the secondary containers.

*A*  
*On the*

Clair Avenue West, 7th floor, Toronto, Ontario, M4V 1M2 or call (416) 314-8000. If this recommendation is taken, this should be done prior to the next spraying season

**6.0 OTHER INSPECTION FINDINGS**

See Item 5.0 (Actions)

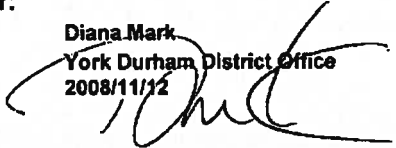
**7.0 INCIDENT REPORT**

Applicable  
8378-7KMRUH ☒

**8.0 ATTACHMENTS**

**Required attachments:**

**PREPARED BY:  
Environmental Officer:**

Name: Diana Mark  
District Office: York Durham District Office  
Date: 2008/11/12  
Signature: 

**REVIEWED BY:  
District Supervisor:**

Name: Sandra Thomas  
District Office: York Durham District Office  
Date: 2008/12/01

Signature: 

File Storage Number: NM-110

**Note:**

"This inspection report does not in any way suggest that there is or has been compliance with applicable legislation and regulations as they may apply to this facility. It is, and remains, the responsibility of the owner and/or the operating authority to ensure compliance with all applicable legislative and regulatory requirements"

and/or review of relevant material which could cause a human health impact or environmental impairment?

Yes

Specifics: See Item 5.0.

Was there any indication of a potential for environmental impairment during the inspection and/or the review of relevant material?

No

Specifics:

Was there any indication of minor administrative non-compliance?

Yes

Specifics: Public area signs are not posted every 100m along the perimeter of the treatment area, Section 67(1) and the golf course does not have alternative notification approval.

Prohibited pesticides were identified in storage, which should be removed immediately and discarded, as per Sections 62 and 27.

## 5.0 ACTION(S) REQUIRED

Glenway Country Club shall do the following to ensure that all compliance requirements are completed as per the Pesticides Act and Regulation 914:

### Storage

1. Better safety and precautionary measures should be in place to prevent contamination of other pesticides or natural environment (s.121(1)2 of Reg 914).
2. Recommend the construction of a berm or skirt to prevent a spill from reaching the catch basin (there is a drain just outside storage area and there is a space under the door of the storage unit).
3. Secondary containers need to have the concentration of each active ingredient and the PCP number (s.26(1) of Reg 914).

Prohibited pesticides are stored or used (s.62 of Reg 914):

1. Wilson Cygon (PCP# 9801) expired 2004-12-31
2. Dursban (PCP# 10637) expired 1998-12-31

### Handling / Usage

Pesticide mixing, loading and rinsing is not conducted in an area that is safe from possible impact to human health and the environment (s.4 of Pesticides Act, therefore it is recommended that a properly designed and constructed area for the mixing, loading and rinsing of pesticides be completed. This is due prior to commencing the next spraying season of Spring 2009.

### Posting/Public Notice

Glenway Country Club is not posting warning signs every 100m along the perimeter of the treatment area, Section 67(1), therefore it is recommended that they apply for 'Alternative Notification' by sending a letter The Pesticides Section of the Ministry of the Environment, 40 St.

May 27/08

AM

1P 45  
12 45



Ministry of the Environment  
Ministère de l'Environnement

### RECORD OF SITE VISIT

Reference Number:	5063-7DYR7V	File Storage Number:	NM-110
Module:	Inspections	Module Type:	Pesticide Operator/Exterminator
Cross Reference:	(doc link)	Task Link:	6587-7DYR8C
Originating Document:		Created by:	Lisa Tanaka
Date Created:	2008/04/23	Date Completed:	
Bring Forward Date:		Bring Forward Reason:	
Status:	Assigned		
Program	Pesticides	Activity	Inspections - Pest Applicators/Exterminators

#### Client(s)

<b>Information</b>
Glenway Country Club (1994) Limited Mailing Address: 470 Crossland Gate, Newmarket, Ontario, Canada, L3X 1B8 Physical Address: 470 Crossland Gate, Newmarket, Town, Regional Municipality of York, Ontario, Canada, L3X 1B8 Telephone: (519)740-3334, FAX: (519)740-2320 Client #: 9721-5ZZMA3, Client Type: Corporation
<i>Peter Dickie (Groundskeeper)</i>

*safety equipment*

#### Site(s)

<b>Information</b>
Glenway Country Club Address: 470 Crossland Gate, Newmarket, Town, Regional Municipality of York, L3X 1B8 District Office: York-Durham GeoReference:

#### General

Date of Last Inspection:	Inspection Due Date:
Inspection Start Date:	Inspection Finish Date:
Inspection Pass/Fail: No Inspection	Risk Score:
With Minor Admin Violation:	IJM Score:
Site Region: Central	
File Review:	
Comments:	



Compliance Level	IJM Score
In Compliance	A0 to F0
In Compliance with Comments	A1, B1 and C1
Non-Compliance	Other than above

### Risk Assessment

Plan Category	Planned	Fiscal year	2008/2009
Media	Air		
<b>Facility Selection Rationale</b>			
Anticipated	Actual		
<input type="checkbox"/> HE	<input type="checkbox"/> HE	A:	Known Significant Human Health and/or Environmental Impact/Impairment
<input type="checkbox"/> CV	<input type="checkbox"/> CV	A:	Previous Record of Convictions/Charges Laid (Non-Administrative)
<input type="checkbox"/> NC	<input type="checkbox"/> NC	A:	A Record of Significant (Non-Administrative) Non-Compliance
<input type="checkbox"/> DI	<input type="checkbox"/> DI	A:	Lack of Demonstrated Improvement towards Compliance/Remediation (an outright failure (non-administrative) in previous inspection where compliance has not been achieved.
<input type="checkbox"/> AN	<input type="checkbox"/> AN	B:	Human Health and/or Environmental Impairment is Anticipated/Suspected.
<input type="checkbox"/> VS	<input type="checkbox"/> VS	B:	Violation of a Legal Requirement is Suspected (with human health and/or environmental impact.
<input type="checkbox"/> BP	<input type="checkbox"/> BP	B:	Nature of Site Operations/Business Represent an Inherent Level of Risk (where impact to human health and/or environment is anticipated due to nature of site/Facility Processes and Waste Streams and/or Discharges)
<input type="checkbox"/> ES	<input type="checkbox"/> ES	B:	Emerging Sectors (where knowledge is limited but concern for environmental impacts exists)
<input checked="" type="checkbox"/> UK	<input type="checkbox"/> UK	C:	Risk Unknown/New Facility and/or General Deterrent
<input type="checkbox"/> CP	<input type="checkbox"/> CP	C:	Corporate Priority
<input type="checkbox"/> LP	<input type="checkbox"/> LP	C:	Low Priority
Risk Category Anticipated		C:	Unknown Risk to Human Health or Environment
Risk Category Actual			
Reason for Risk Change			
Risk Change Discussed with and Approved by District Manager			

1155 AM.



3/23/08

10:30 ARRIVED }  
27/03/08 Rebecca KRANSTADT  
11:30 1940  
Don's Park Assistant

# Pesticide Operator Exterminator Inspection Report

Client:		
Mailing Address:		
Inspection Site Address:		
Contact Name:	Peter Dickio	Title:
Contact Telephone:	John Ballinger	Contact Fax:
Last Inspection Date:	ASSOS	Supervisor
Inspection Start Date:		Inspection Finish Date:
Region:		

*main spraying person*

## 1.0 INTRODUCTION

Prior to the inspection, complete a detailed file review which may include: approval applications, operation and design plans, authorizing/control documents, financial assurance, ORIS history, analytical data, non-compliance reports, MOE databases and correspondence.

Establish the focus and limiting scope of the inspection. Was the whole facility inspected or were selected areas, processes, records or equipment inspected? What is the purpose of the inspection?

List the authorizing/control documents (ie. approvals, licences, permits, directions, program approvals or orders) which were reviewed and inspected and list any emission requirements or limits and any pertinent conditions which are required to directly protect human health or the environment.

If you note when reviewing the Certificate of Approval that it is significantly outdated, please review the EAAB "Field Alert" SOP, and complete as required.

130 Acres sections Highly vegetated 125 sq ft  
 9 ponds January 7500 sq ft 1258

6-230 hour 3  
 SW management ponds No pesticide treatment  
 Does not spray in ponds  
 near ponds

## 2.0 INSPECTION OBSERVATIONS

### 2.1 LICENSE REQUIREMENTS

Operator/Exterminator License Number(s):

*Don has number*

Two days testing of West Nile  
NM. Storm water.

→ No technicians working yet

for on John & Peter.  
Sprayed leaf spot today.

- signage & picture
- emergency numbers

→ Catch basin outside of storage / inside garage  
 Peter can send a list of pesticides on record  
 in storage. per John.

Peter's list

15724	-	283954	27527	26989
24379	.	28393	27003	17599
		289299	269	

seed mineral oil

Other products such as  
 foam is used for pesticide application  
 Schuemoeno (foam)  
 EcoKinsol  
 Turf equipment cleaner  
 Chem-871K, AQUA-ROLS  
 Dilute

PMRA web suggestions  
 by Dan Panko  
 for reference  
 OPRAK.

John → H & S

→ implement mixing & loading areas designated area



Check the operator's licence (if applicable). Is it complete and appropriate for the exterminations being conducted and the pesticides used? Is the license prominently displayed? (P.A. S.5, O.R. 914 S.24)

List and check all exterminator's licences, technician certifications, and/or trainee status. Are there an adequate number of exterminators with licences per employees performing exterminations? Are the exterminator licences complete and appropriate for the exterminations being conducted and the pesticides being used? Are technicians and trainees supervised and supervision documented? (O.R. 914 S.14, 17, 19, 30, 31, 63, 81, 101,102)

Has the operator conducted exterminations in the past 2 years for which permits were required? If so, have the exterminations been conducted in accordance with the permit's conditions which are directly related to the protection of human health and the environment?(P.A. S.7)

**2.2 STORAGE/TRANSPORT:**

Complete the attached inventory for all pesticides stored and/or used. All pesticides used for exterminations must have a Pest Control Products Act (PCP) number.(O.R. 914 S.22)

Rebecca

Pesticide	Size	Quantity	PCP#	Schedule

Are all storage facilities and vehicles used for transporting pesticides properly secured and posted with warning signs and emergency telephone numbers? Are they properly designed to prevent spills that could adversely affect human health or the environment? Are all pesticides stored away from food and drink?(O.R. 914 S. 119, 120, 121, 126, 127)

Recommend a berm for spill, for active ingredients  
Recommend labels PCP#s place on non-purchase containers

Are all pesticides stored in their original containers and properly labelled? Are prohibited pesticides stored or used?(O.R. 914 S. 26, 28, 62)

→ only 1 key pesticide storage

If Schedule 1, 2, or 5 pesticides are stored, check to determine that: a) there is outside ventilation, b) there is respiratory protection and protective equipment present, c) there are no floor drains, and d) access is restricted only to the operator and the operator's employees. Are there materials other than pesticides, stored with Schedule 1 or 5 pesticides?(O.R. 914 S. 122, 123, 125)

→ Absorbents in garage

→ Fungicide                      with agent

→ insecticide

→ ~~with agent~~

only storm/water ponds - high in salt  
No wells

SJW were used for houses too

Nothing is applied to ponds

TWN is doing surveys of ponds

PTTW -

Alternative notification

→ need approval  
at central T's

↳ letter from MOE about parking

650 houses neighbourhood

+

read

**2.3 HANDLING/USAGE:**

*Is pesticide mixing, loading and rinsing conducted in a manner to protect human health and the environment? Are there backflow devices used to prevent backflow to wells or watercourses? What type of safety equipment is used?(P.A. S. 4, O.R. 914 S. 25)*

*old containers are properly rinsed & bagged & taken away*

*Are pesticides applied in accordance with the label instructions and in a manner to protect human health and the environment?(P.A. S. 4,O.R. 914 S. 22)*

*Are proper signs posted after residential land applications? Are proper public notices provided prior to park, right of ways and commercial land applications?(O.R. 914 S. 65 -79)*

*How are empty Schedule 1, 2, or 5 pesticide containers disposed of? (O.R. 914 S. 27)*

**3.0 REVIEW OF PREVIOUS NON-COMPLIANCE ISSUES**

*Based on the prior file review, state if there are remaining non-compliance issues related to this inspection, as stated on: previous ORIS reports, former inspection recommendations/actions, and all outstanding mandatory or voluntary abatement initiatives.*

**4.0 SUMMARY OF INSPECTION FINDINGS (HEALTH/ENVIRONMENTAL IMPACT)**

**Was there any indication of a known or anticipated human health impact during the inspection and/or review of relevant material, related to this Ministry's mandate ?**

Yes  No

**Specifics:**

**Was there any indication of a known or anticipated environmental impact during the inspection and/or review of relevant material ?**

Yes  No

**Specifics:**



Was there any indication of a known or suspected violation of a legal requirement during the inspection and/or review of relevant material which could cause a human health impact or environmental impairment ?

Yes  No

Specifics:

Was there any indication of a potential for environmental impairment during the inspection and/or the review of relevant material ?

Yes  No

Specifics:

Was there any indication of minor administrative non-compliance?

Yes  No

Specifics:

## 5.0 ACTION(S) REQUIRED

*Use the Compliance Guideline and the Delivery Strategies to determine appropriate procedure for ensuring that full and timely compliance is achieved.*

## 6.0 OTHER INSPECTION FINDINGS

*These are inspection findings, which do not trigger "Program Priorities" and may or may not be based on statutory requirements, but are significant to improving the operation. This is where the Environmental Officer can, for example, identify a contravention of a Ministry requirement which in itself may not trigger a "Program Priority", but may still require some action from the owner/operating authority. The Environmental Officer may also include suggested actions to be taken. This satisfies the requirements of "Document and File" of the Delivery Strategies.*

**7.0 INCIDENT REPORT**

*An incident report must be completed for all non-compliance, defined as a violation of any Act, Regulation or condition of a control or authorizing document, administered by the Ministry.*

Applicable  Not Applicable

**8.0 ATTACHMENTS**

**Required attachments:**

**PREPARED BY:  
Environmental Officer:**

**Name:  
District Office:  
Date:**

**Signature:**

**REVIEWED BY:**

**Supervisor:  
Name:  
District Office:  
Date:**

**Signature:  
File Storage Number:**

**Note:**  
"This inspection report does not in any way suggest that there is or has been compliance with applicable legislation and regulations as they may apply to this facility. It is, and remains, the responsibility of the owner and/or the operating authority to ensure compliance with all applicable legislative and regulatory requirements"

Newmarket

23

24

319

25

26

TOWN OF

NEWMARKET

Glenway Estates

Woodland Hill

Upper Canada Mall

Armitage



T  
U  
V  
W  
X  
Y



00020

**Ministry of the Environment  
Pesticide Compliance Program  
Golf Courses Inspection Checklist\***

\*To assist in conducting golf course inspections and completing IDS inspection form

Name of Inspector(s): D. Panko, D. Mark, R. Grangle

Inspection Date: May 27/08 Time: 10:30am

Full name of golf course: Glenway Country Club

Site Address:  
470 Crossland Gate, Newmarket, ON

Site GPS Coordinates:

Phone #: ( )

Name of person contacted:

Job title:

**LICENSING/CERTIFICATION**

- |    |   |   |
|----|---|---|
| 1. | Are pesticides applied at this golf course?   | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| 2. | Does anyone at golf course (i.e., full time employee) hold a pesticide exterminator's licence? <small>(If no, proceed to # 4)</small> | <input type="radio"/> Yes <input type="radio"/> No            |

Name:  
Peter Dickey  
John Collington  
Peter Dickey  
Peter Dickey

License Number:

Exp. Date:

s21

3. Is the Exterminator Licence Appropriate for the type of exterminations performed? (s. 5(1) of Pesticides Act)

Yes No

4. Does anyone at golf course (i.e., employee) hold a pesticide Technician Certificate? (If no, proceed to # 8)

Yes No

Name:

Licence Number:

Exp. Date:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

5. Does the Certified Technician have written instructions that indicate the treatment location, pest, pesticide, pcp # and the name and licence # of supervising licensed exterminator? (s.20.1(9) of Reg 914)

~~Yes~~ No

6. Does the Certified Technician have a record of weekly site visits, signed and dated by supervising exterminator? (s.20.1(10) / s.20.2(5) of Reg 914)

~~Yes~~ No

7. Do the signed records cover at the least 30 days? (s.20.1(11) of Reg 914)

~~Yes~~ No

8. Does anyone at golf course (i.e., employee) apply pesticides as a trainee? (s. 20.1(3) of Reg 914) (If no, proceed to # 10)

~~Yes~~ No

9. If yes, is the trainee accompanied and supervised at all times by a licensed exterminator? (s. 20.1(3) of Reg 914)

~~Yes~~ No

10. Are there an adequate number of licensed exterminators appropriately supervising technicians and trainees? (s. 20.2 of Reg 914)

~~Yes~~ No

11. Are pesticides applied by contractor (non employee)? (if no, proceed to # 14)

Yes No

Name

Licence Number:

Exp. Date:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- 12. Is the Exterminator Licence Appropriate?  
(s. 5(1) of Pesticides Act)  Yes  No
- 13. Does the contracted applicator hold a valid  
Operator's licence? (s. 5(2) of Pesticides Act) N/A  
 Yes  No
- 14. Have exterminations been conducted at the golf course  
in the past 2 years for which permits were required  
(i.e., water exterminations)? If so, have the exterminations  
been conducted in accordance with the permit's  
conditions which are directly related to the protection  
of human health and the environment?(P.A. S.7)  Yes  No

**STORAGE**

- 15. Location of storage area: *in shed  
maintenance*
- 16. Warning placard at entrances  
to storage area? (s.121(1)3. of Reg 914)  Yes  No
- 17. Likely to contaminate food or  
drink? (s.119 of Reg 914)  Yes  No
- 18. Likely to impair health or  
safety? (s.121(1)1. of Reg 914)  Yes  No
- 19. Clean and orderly?  
(s.121(1)2. of Reg 914)  Yes  No
- 20. Emergency numbers listed?  
(s.121(1)4. of Reg 914)  Yes  No
- 21. Sufficient precautions to prevent  
contamination other pesticides or  
natural environment?  Yes  No  
*- recommend a berm  
to prevent spill from reaching  
the catch basin.*
- 22. Are all pesticides stored in their  
original containers and properly labelled?  
(s.26(1) of Reg 914)  Yes  No

*↳ secondary containers  
↳ need to place PCP# on  
secondary containers*





27. Adequate respiratory protection and adequate protective clothing kept nearby? (determined by product labels) (s.122(2)(b) of Reg 914)

Yes No

List of personal protective equipment

rubber gloves  
masks  
respirator  
coveralls  
face shield.

28. If outside storage,  
a. sufficient security measures taken (i.e., locked)? (s.122(2)(b) of Reg 914)

Yes No

b. warning placard near pesticides? (s.122(2)(b) of Reg 914)

Yes No

29. If Schedule 1 or 5 pesticide present:  
a. Storage are exclusively for pesticides? (s. 123(1) of Reg 914)

Yes No

→ fertilizers

30. Are prohibited pesticides stored or used? (s.62 of Reg 914)

Yes No ?

HANDLING / USAGE

31. Who is responsible for mixing and loading of pesticides?

John Pullington

32. Location of mixing and loading area

33. Is pesticide mixing, loading and rinsing conducted in a manner to protect human health and the environment?(s. 4 of Pesticides Act)

Yes No

34. Source of water mixed with pesticides?

a. if watercourse or well, does equipment have a backflow device?  
(s. 25(1) of Reg 914)

Yes  No

35. How and where is extermination equipment rinsed?

a. Is application equipment rinsed/washed in or near a well or watercourse?  
(s. 25(2) of Reg 914)

Yes  No

36. Are empty pesticide containers disposed of properly (triple rinsed and taken to container recycling depot)?  
(s. 27 of Reg 914)

Yes  No

**POSTING/PUBLIC NOTICE\*\***

37. Has the golf course recently applied or is about to apply pesticides?

Yes  No

a. date applied/applying pesticides?

*May 21/08*

38. If no, is inventory of signs (i.e., in storage) compliant with s.74 -76 of Reg 914

Yes  No

39. If yes, are public area signs posted?  
(s. 65 of Reg 914)

Yes  No

40. How are public area signs posted?

b. All ordinary points of access?  
(s. 66(1) of Reg 914)

Yes  No

c. Every 100m along the perimeter of treatment area? (s. 67(1) of Reg 914)

Yes  No

d. Posted 24 hours prior to treatment?  
(s. 71(3) of Reg 914)

Yes  No

e. Signs posted on trees, fences, buildings  
or on signboards together with other signs?  
(s.73 of Reg 914)

Yes  No

f. Has the golf course received written  
approval from the Director under the  
Act for alternate posting?

Yes  No

41. Is the info on the sign complete and accurate?  
(s.74 -76 of Reg 914)

Yes  No

\*\* Refer to the attached document entitled "Reminder of your Obligation to Comply with Regulation 914 when Posting Notification Signs for Pesticide Use" for more details

**NOTES:**

GLENWAY COUNTRY CLUB - PRODUCTS LIST

Product Name	PCP No.	Schedule	Container Size
Daconil 2787 Flowable Fungicide	15724	3	7.57L
Roveral Green Flowable Fungicide	24379	3	10.0L
Terminator Mouse and Rat Water Resistant Bait	23761	2	0.02535Kg
Wilson Cygon 2-E Systemic Insecticide	9801	Registration expired 2004-12-31	
Wilson Ant Killer Dust	26923	4	1.0Kg
Daconil Ultrex Fungicide	28354	3	544.0Kg
Heritage Maxx Fungicide	28393	2	37.8L
Compass 50WG Fungicide	27527	2	0.454Kg
Banner Maxx Fungicide	27003	2	56.85L
Primo Maxx Plant Growth Regulator	26989	3	3.78L
Chipco Aliette Signature Fungicide	28299	2	2.26Kg
B-Nine-SP Chemical Height Retardant For Plants	17599	2	0.5Kg
Dimension Turf Herbicide	23003	2	115.0L
Glyfos Herbicide	24359	6	30.0L
Killex Turf Herbicide Liquid Concentrate (Green Cross)	27976	3	600.0L
Expedite Grass and Weed Herbicide	21593	6	5.0L
Mecoprop-P Herbicide	27891	3	115.0L
Bug-B-Gon Hornet & Wasp Pressurized Contact & Residual Insecticide SPR	25878	4	0.4Kg
Clean Crop Malathion 500E Insecticide	4709	3	
Slug-Em Slug Bait	2791	3	10.0Kg
Dursban 4E Insecticide	10637	Registration expired 1998-12-31	
Glyfos Herbicide	24359	6	30.0L
Roundup Ultra2 Liquid Herbicide	28486	3	750.0L
Merit Solupak Insecticide	25932	3	0.045Kg
Thionex 50W Wettable Powder Insecticide	14617	2	
Cycocel Liquid Plant Growth Regulator	12828	2	

must dispose

remove these  
pesticides

**Pages 29 to / à 33  
are withheld pursuant to section  
sont retenues en vertu de l'article**

**22**

**of the Freedom of Information and Protection of Privacy Act  
de la Freedom of Information and Protection of Privacy Act**



## NHIC Search Results

NHIC Species At Risk Search  
Phase I Environmental Site Assessment  
Marianneville Developments Ltd.  
470 Crossland Gate  
Newmarket, ON

Unique Identifier (Element ID)	Taxonomic Group	Family	Scientific Name	English Name	G-rank	S-rank	Committee on the Status of Endangered Wildlife in Canada (COSEWIC) Status	Species At Risk in Ontario (SARO) Status	Canada General Status	Ontario General Status	Kingdom	Phylum	Class	Order
180752	Reptiles and Turtles	Emydidae	Emydoidea blandingii	Blanding's Turtle	G4	S3	THR	THR	May be at risk	At Risk	Animalia	Craniata	Chelonia	Cryptodeira
180753	Reptiles and Turtles	Emydidae	Graptemys geographica	Northern Map Turtle	G5	S3	SC	SC	Sensitive	Sensitive	Animalia	Craniata	Chelonia	Cryptodeira
180770	Reptiles and Turtles	Colubridae	Lampropeltis triangulum	Milksnake	G5	S3	SC	SC	Sensitive	Sensitive	Animalia	Craniata	Reptilia	Squamata
181487	Slugs and Snails	Pupillidae	Vertigo elatior	Tapered Vertigo	G5	S2S3					Animalia	Mollusca	Gastropoda	Stylommatophora
181245	Dragonflies and Damselflies	Coenagrionidae	Enallagma aspersum	Azure Bluet	G5	S3					Animalia	Mandibulata	Insecta	Odonata

[Home](#) > Species profiles > Species

## Species Profile

### Blanding's Turtle Great Lakes / St. Lawrence population

<b>Scientific Name:</b>	<i>Emydoidea blandingii</i>
<b>Other Names:</b>	Blanding's Turtle (Great Lakes population)
<b>Taxonomy Group:</b>	Reptiles
<b>Range:</b>	Ontario, Quebec
<b>Last COSEWIC Assessment:</b>	May 2005
<b>Last COSEWIC Designation:</b>	Threatened
<b>SARA Status:</b>	Schedule 1, Threatened

[Go to advanced search](#)

Quick Links: | [Description](#) | [Distribution and Population](#) | [Habitat](#) | [Biology](#) | [Threats](#) | [Protection](#) | [Recovery Initiatives](#) | [Recovery Team](#) | [National Recovery Program](#) | [Documents](#)

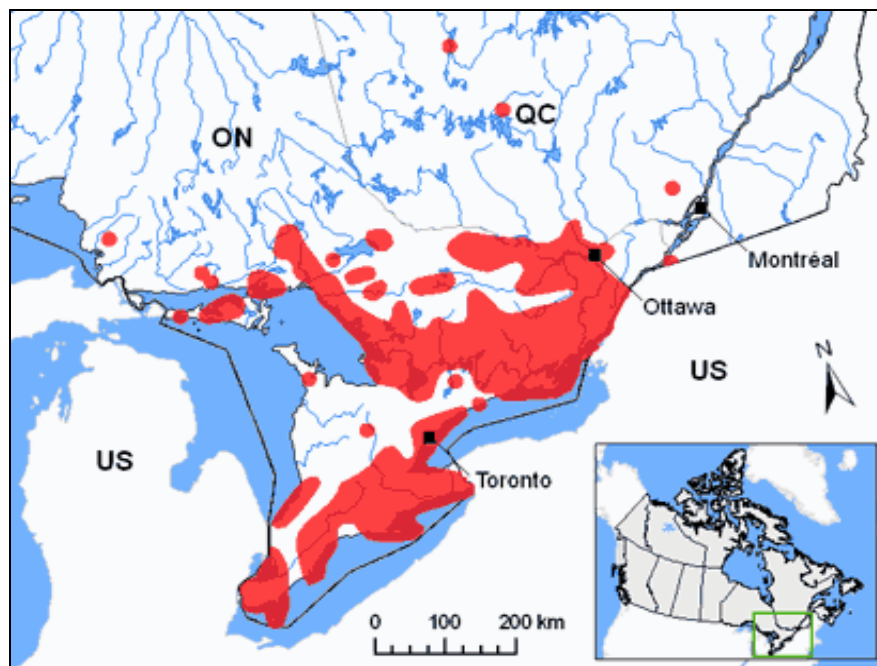
## Description

The Blanding's Turtle is a medium-sized freshwater turtle that is easily distinguished by its bright yellow lower jaw and throat. Adults have a domed and smooth upper shell that can be up to 27 cm in length. The carapace, or upper shell, is usually black or dark brown, sometimes grey or a lighter brown, with tan to yellow lines or spots scattered at random. The markings tend to get smaller and may fade altogether as the turtle ages. The lower shell (plastron) is a rich yellow. The plastron is hinged so that some individuals can completely close their shell after pulling in their head and feet. Males have a concave plastron to facilitate copulation, whereas the female's plastron is flat. The sides of the long neck and the top of the head are often dark brown or black in males, and paler and sometimes mottled in females. The upper jaw is notched and the mouth curves upwards, which gives the impression that the turtle is smiling. The colouring in juveniles is generally brighter, but the spots and lines that characterize the shell of this species only develop after the second year. Unlike with adults, the plastron hinge in juveniles is not functional, and the tail extends substantially beyond the edge of the carapace.

[Top](#)

### Canadian Distribution of the Blanding's Turtle, Great Lakes / St. Lawrence population (shown in red) <sup>1,2</sup>

Distribution is approximate and not intended for legal use.



<sup>1</sup> Author: Canadian Wildlife Service, 2004

<sup>2</sup> Data Sources: The main source of information and data is the COSEWIC Status Report. In many cases additional data sources were used; a complete list will be available in the future.

[Top](#)

## Distribution and Population

This northern species is mainly located in the southern Great Lakes region and surrounding area. The range extends from the extreme southwestern portion of Quebec and southern Ontario to central Nebraska in the south and west and to Ohio in the east. In the United States, the Blanding's Turtle is found in the northern states as far south as Missouri, from Nebraska in the west to Ohio and Michigan to the east. It is also found outside of its main range in small isolated populations in New York, Massachusetts, New Hampshire, and Maine.

About 20% of the global range of the Blanding's Turtle is contained in Canada, mainly in Ontario. The Canadian population is divided into two separate groups: the Great Lakes/St. Lawrence population and the Nova Scotia population. The Great Lakes/St. Lawrence population of the Blanding's Turtle is located throughout southern and south-central Ontario as far northwest as the Chippewa River in Algoma West, continuing eastward across the province into extreme southwestern Québec. The Ontario distribution is not continuous. The population in Quebec appears to be concentrated around Gatineau Park and adjacent areas, close to the Ontario border along the north shore of the Ottawa River. A small disjunct population is found hundreds of kilometres from there, in southwestern Nova Scotia.

The size of the Great Lakes/St. Lawrence population is impossible to estimate accurately as only limited data are available; very rough estimates suggest there could be about 10 000 individuals. The size of the Quebec population has not been estimated, but evidence suggests that it is extremely small. Blanding's Turtle populations are often isolated from each other and their density is very low, with possibly less than one adult per square kilometre. Based on studies of population and habitat trends conducted elsewhere, the Great Lakes/St. Lawrence population would also appear to be on the decline due to habitat destruction and fragmentation. The subpopulations are increasingly isolated due to the sizeable road system that crosses their habitat. Late maturity, low reproductive output and an extremely long life make this turtle highly vulnerable to high adult mortality.

[Top](#)

## Habitat

The Blanding's Turtle is a primarily aquatic species. In the summer, it is found in several types of freshwater environments, including lakes, permanent or temporary pools, slow-flowing streams, marshes and swamps. In general, the species prefers shallow water that is rich in nutrients, organic soil and dense vegetation. Adults are generally found in open or partially vegetated sites, whereas juveniles are more reclusive by nature and prefer areas that contain thick aquatic vegetation including sphagnum, water lilies and algae. They stay along the edge of the water.

The Blanding's Turtle also needs terrestrial environments; it can travel over long distances, between different aquatic environments, in order to find suitable sites for basking in the sun and nesting. Beyond these travels, it remains very loyal to these sites. The species usually nests in dry conifer or mixed hardwood forests, up to 410 m from any body of water. Females also like partially vegetated sites such as fields or roadways. They dig their nest in a variety of loose substrates, including sand, organic soil, gravel and cobblestone.

Overwintering occurs in permanent pools that average about one metre in depth, or in slow-flowing streams. Not much is known about these overwintering sites.

[Top](#)

## Biology

In Canada, females mature as late as 25 years. They produce a clutch of 3 to 19 eggs every two to three years. Eggs are laid in June, with hatchlings emerging in late September and early October. The cool Canadian climate results in a short active season, which limits nest success. Embryo development is dependent on incubation temperature, and eggs incubated below 22°C or above 32°C will not develop properly. Since the lower limit is relatively high, the embryo mortality rate is high in the Canadian climate. Sex is determined by the incubation temperature: eggs incubated below 28°C will produce males while eggs incubated above 29°C will produce females.

Compared to other turtles, the Blanding's Turtle is an exceptionally long-lived species: it can survive in the wild in excess of 75 years. Its long life, late maturity, small reproductive output and concomitant low yearly recruitment make the species vulnerable to even tiny increases in the annual mortality of adults.

[Top](#)

## Threats

Nest predation by raccoons, skunks, foxes and coyotes is the most significant cause of nest failure. There are few predators of mature turtles as their overall size and carapace strength deters or prevents most predation attempts.

Cool summer temperatures may also increase the rate of nest failure and result in the production of less viable hatchlings, which need sufficient heat to fully develop.

A recently discovered source of nest failure is depredation by sarcophagid fly larva. In some areas, many nests are laid on lakeshore cobblestone beaches and are susceptible to flooding during wet years.

Development of wetlands and their surrounding areas significantly reduces the amount of available and suitable habitat for the species and may lead to the destruction of nests. In addition, such development often results in an increase in vehicular traffic and the construction of new roads. Since females often lay their eggs in the gravel shoulders of roadways, this increases the risk of mortality to nesting females as well as emerging hatchlings.

The Blanding's Turtle is not an aggressive species and the pronounced yellow chin and throat contribute to its overall beauty, making it much sought-after as a pet. People who catch turtles are not concerned about their age, with female adult turtles being caught most of the time as they

are the easiest to locate. Removal of individuals from the reproducing population is a severe risk to the survival of this long-lived species. The capture of Blanding's Turtles for the pet trade is a growing threat, with the impact on populations being difficult to assess at the present time.

[Top](#)

## Protection

### Federal Protection

The Blanding's Turtle, Great Lakes / St. Lawrence population, is protected under the federal *Species at Risk Act* (SARA). More information about SARA, including how it protects individual species, is available in the [Species at Risk Act: A Guide](#).

The Blanding's Turtle is found in Point Pelee and Georgian Bay Islands national parks, where it is protected under the *Canada National Parks Act*. Its habitat is also protected in Gatineau Park and in the Big Creek, Long Point and Sainte-Claire national wildlife areas, which are part of the federal lands protected under the *Species at Risk Act*.

In Ontario, habitat protection is afforded under the Ontario Provincial Policy Statement of the *Planning Act*, and this species is also featured in Ontario's forest management planning process. Its habitat is also protected in Rondeau, Killarney, Algonquin and Long Point provincial parks.

### Provincial and Territorial Protection

[To know if this species is protected by provincial or territorial laws, consult the provinces and territories websites.](#)

[Top](#)

## Recovery Initiatives

### Status of Recovery Planning

#### Recovery Strategies :

**Name** Quebec's Recovery Plan for five turtle species (Wood Turtle, Northern Map Turtle, Blanding's Turtle, Stinkpot and Spotted Turtle)

**Status** Published by Jurisdiction

**Number of Action Plans** 0

**Name** Recovery Strategy for Species at Risk Turtles in Ontario

**Status** Preliminary draft received by leads

**Number of Action Plans** 0

[Top](#)

### Recovery Team

#### Ontario Multi-Species Turtles at Risk Recovery Team

**Ronald J. Brooks - Chair - University or college**

Phone: 519-824-4120 Fax: 519-767-1656 [Send Email](#)

**Suzanne Robinson - Chair - Government of Ontario**

Phone: 705-725-7542 Fax: 705-725-7584 [Send Email](#)

#### Quebec Turtle Recovery Team

**Stéphanie Lachance - Chair - Government of Quebec**



Phone: 819-371-6151 Fax: 819-378-1581 [Send Email](#)

## **Walpole Island Ecosystem Recovery Team**

### **Madeline Austen - Chair - Environment Canada**

Phone: 416-739-4214 [Send Email](#)

### **Joyce Johnson - Chair - Other**

Phone: 519-627-1475 [Send Email](#)

[Top](#)

## **Recovery Progress and Activities**

### **Summary of Progress to Date**

A recovery strategy has been created for the Blanding's Turtle. The goal of the strategy is to ensure the long-term persistence of the Blanding's Turtle population throughout its historical range in Ontario. More specifically, the strategy will maintain the current distribution, ensure viability of populations, and increase connectivity among populations.

There are still gaps in the knowledge of this species, thus more research is necessary to continue the conservation and recovery of the Blanding's Turtle.

### **Summary of Research/Monitoring**

The Ontario Multi-species Turtle at Risk Recovery Team is assessing the threats to numerous turtle species in Ontario. The most significant threats are habitat loss, habitat degradation and fragmentation, predation, and traffic mortality.

The Nottawasaga Valley Conservation Authority is conducting surveys identifying turtle populations and their habitats within the Nottawasaga watershed. Moreover, potential threats to the turtles are being monitored during these surveys.

The South Nation River Conservation Authority is working with land owners to locate, map, and examine Blanding's Turtle habitat within the watershed.

The Toronto Zoo is conducting surveys to estimate populations, identify potential habitat, and map movement of turtles using radio-tracking technology.

Known areas of significant turtle traffic mortality in Ontario have been identified. Researchers are assessing the effectiveness of road signs in these areas by videotaping public reactions to signage. The videotapes are studied to determine which signs are most effective at mitigating human impacts.

The Natural Heritage Information Centre maintains a database of all known observations of turtles at risk in Ontario. This database is updated as new information is obtained.

In southern Ontario, Blanding's Turtle populations and their habitat use are being examined. As well, nesting ecology is being studied at Long Point and St Lawrence Islands National Park.

### **Summary of Recovery Activities**

The City of Windsor is securing Blanding's Turtle habitat for long-term protection through land purchase. The Essex Region Conservation Authority is planting native trees and shrubs to act as riparian buffer strips to reduce sedimentation, nutrient loading, and siltation of turtle habitat.

ATV and off-road vehicle restrictions are being posted and barriers are being erected near sensitive Blanding's Turtle habitat to decrease human disturbances.

Nest protection for Blanding's Turtles was provided at Rondeau Provincial Park during 2000 and 2001 and in Point Pelee National Park from 2001 to 2007.

The Kawartha Turtle Trauma Centre rehabilitates injured turtles and releases them back into the wild.

There are many education and public outreach programs for the Blanding's Turtle. The Georgian Bay Reptile Awareness Program provides extensive outreach on all reptile species at risk to the entire Georgian Bay area. The program reached 2000 students and 2300 members of the general public in 2003 alone. An outreach program delivered along the Trent Severn Waterway in 2005 educated boaters about turtles at risk. Turtle SHELL (Safety, Habitat, Education and Long Life) produced an educational booklet on turtle biology and conservation as well as erected turtle crossing signs at roadkill hotspots throughout Ontario.

Ontario Parks, the Toronto Zoo, and private landowners, have met to discuss habitat protection, stewardship options, and conservation measures that will benefit Blanding's Turtles. At these meetings educational materials have been delivered. The Toronto Zoo has created stewardship materials including posters to educate the public on turtles at risk in the region.

## URLs

University of Guelph: Blanding's Turtle Fact Sheet

[http://www.aquatic.uoguelph.ca/reptiles/fresh/reptile/accounts/emydidae/blanding/\\_account.htm](http://www.aquatic.uoguelph.ca/reptiles/fresh/reptile/accounts/emydidae/blanding/_account.htm)

Parks Canada: Species at Risk

[www.pc.gc.ca/nature/eep-sar/itm3-/eep-sar3b\\_E.asp](http://www.pc.gc.ca/nature/eep-sar/itm3-/eep-sar3b_E.asp)

## Documents

[COSEWIC Status Reports](#) (1 record(s) found.)

[COSEWIC Assessments](#) (1 record(s) found.)

[Response Statements](#) (1 record(s) found.)

[Orders](#) (2 record(s) found.)

[COSEWIC Annual Reports](#) (1 record(s) found.)

[Permits and Related Agreements](#) (20 record(s) found.)

[Consultation Documents](#) (1 record(s) found.)

27 record(s) found.

## COSEWIC Status Reports

[COSEWIC Status Report - Blanding's Turtle](#) (2005)

The Blanding's Turtle, *Emydoidea blandingii*, is a medium-sized freshwater turtle largely confined to the Great Lakes Basin. In addition to lakes, it inhabits both permanent and temporary ponds, streams, and wetlands. Blanding's Turtle is the only rep...

## COSEWIC Assessments

[COSEWIC Assessment - Blanding's Turtle](#) (2005)

Blanding's Turtle (Nova Scotia population) Designated Threatened in April 1993. Status re-examined and designated Endangered in May 2005. Last assessment based on an update status report. Blanding's Turtle (Great Lakes/St. Lawrence population) ...

## Response Statements

[Response Statements - Blanding's Turtle](#) (2005)

The Great Lakes/St. Lawrence population of this species although widespread and fairly numerous is declining. Subpopulations are increasingly fragmented by the extensive road network that crisscrosses all of this turtle's habitat. Having delaye...

## Orders

### Order Acknowledging Receipt of the Assessment Done Pursuant to Subsection 23(1) of the Act (2005)

Her Excellency the Governor General in Council, on the recommendation of the Minister of the Environment, hereby acknowledges receipt of the assessments done pursuant to subsection 23(1) of the Species at Risk Act (see footnote a) by the Committee on...

### Order Amending Schedules 1 to 3 to the Species at Risk Act (2006)

The Minister of the Environment proposes recommending, pursuant to section 27 of the *Species at Risk Act* (SARA), that 42 species be added to Schedule 1, the List of Wildlife Species at Risk of SARA. This recommendation is based on scientific...

## **COSEWIC Annual Reports**

### COSEWIC Annual Report - 2005 (2005)

2005 Annual Report to the Canadian Endangered Species Conservation Council (CESCC) from the Committee on the Status of Endangered Wildlife in Canada....

## **Permits and Related Agreements**

### Explanation for issuing permit(#24), pursuant to the provisions of section 73 of SARA (2006)

The overall objective of conducting species at risk research within this area is to assist this federal government client in determining the presence or absence of the species in question. The objective is to conduct scientific surveys (including th...

### Explanation for issuing permit(#PP-2009-3592), pursuant to the provisions of section 74 of SARA (2009)

The five objectives of this study are: 1. to actively locate turtle nests within Point Pelee National Park 2. to effectively protect all turtle nests located, with priority given to Species at Risk 3. to opportunistically mark and recapture all ...

### Explanation for issuing permit(#SARA-OR-2007-0042), pursuant to the provisions of section 73 of SARA (2007)

To perform a population survey of Blanding's Turtle and Stinkpot in the NCC greenbelt. To identify critical habitat of Blanding's Turtle by means of radio telemetry monitoring....

### Explanation for issuing permit(#SARA-OR-2007-0043), pursuant to the provisions of section 73 of SARA (2007)

To capture and mark Blanding's Turtle and Spotted Turtle, assessment of habitat, distribution and movement. Also to attach radio-telemetry equipment to Spotted Turtle in order to monitor population movement....

### Explanation for issuing permit(#SARA-OR-2007-0053), pursuant to the provisions of section 73 of SARA (2007)

Visual survey of study area to locate and record all reptile and amphibians present. Only specimens of Blanding's Turtle and Spotted Turtles will actually be hand captured, marked and released on site....

### Explanation for issuing permit(#SARA-OR-2007-0064), pursuant to the provisions of section 73 of SARA (2007)

To possess and to utilize for continuing educational purposes a limited number of species of reptiles as acquired prior to the acclamation of the Species at Risk Act....

### Explanation for issuing permit(#SARA-OR-2008-0075), pursuant to the provisions of section 73 of SARA (2008)

To capture and to mark Blanding's Turtle and Spotted Turtle, including assessment of habitat, distribution and movement....

### Explanation for issuing permit(#SARA-OR-2008-0081), pursuant to the provisions of section 73 of SARA (2008)

The overall objective of conducting species at risk research within this area is to assist the federal government client in determining the presence or absence of the species in question. The objective is to conduct scientific surveys (including the ...

[Explanation for issuing permit\(#SARA-OR-2008-0092\), pursuant to the provisions of section 73 of SARA \(2008\)](#)

To possess and to utilize for continuing educational purposes a limited number of species of reptiles as acquired prior to the acclamation of the Species at Risk Act....

[Explanation for issuing permit\(#SARA-OR-2009-0110\), pursuant to the provisions of section 73 of SARA \(2009\)](#)

This project represents the first step in a comprehensive species at risk study for the site, the results of which will give empirical data regarding the presence and location of any species at risk within the boundaries of the properties. The overall...

[Explanation for issuing permit\(#SARA-OR-2009-0111\), pursuant to the provisions of section 73 of SARA \(2009\)](#)

The purpose of the project is to perform a population and habitat assessment of SARA listed species of turtle and snake on Federal property located at DND Burwash, Ontario. The project will involve visual observation as well as capture in order to e...

[Explanation for issuing permit\(#SARA-OR-2009-0118\), pursuant to the provisions of section 73 of SARA \(2009\)](#)

The construction project on these parcels of land is for the purpose of installing a water treatment plant (with a water intake located in Twelve Mile Bay) and associated distribution infrastructure. Treated water will be distributed through a system...

[Explanation for issuing permit\(#SARA-OR-2010-0141\), pursuant to the provisions of section 73 of SARA \(2010\)](#)

Blanding's turtle is the subject of this research project. Critical habitats and places of residence are not yet known and is one of the main goals of this study to identify some of these. Habitat use and movement will be monitored by a combination o...

[Explanation for issuing permit\(#SARA-OR-2010-0151\), pursuant to the provisions of section 73 of SARA \(2010\)](#)

This survey represents a first step in a comprehensive species at risk study for the CRL Site. The results will provide empirical data regarding the presence and location of any species at risk within the boundaries of the CRL property. The survey re...

[Explanation for issuing permit\(#SARA-OR-2011-0169\), pursuant to the provisions of section 73 of SARA \(2011\)](#)

Blanding's (*Emydoidea blandingii*) and Spotted Turtles (*Clemmys guttata*) will be located and captured by hand, morphological measurements will be taken and their health will be assessed. This study is a continuation of a successful mark-recapture prog...

[Explanation for issuing permit\(#SARA-OR-2011-0171\), pursuant to the provisions of section 73 of SARA \(2011\)](#)

Nesting surveys will seek to discover females in the process of nesting. Females will be left undisturbed to allow them to complete nesting. After nesting, females will be caught by hand. All Blanding's Turtles (*Emydoidea blandingii*) will be measu...

[Explanation for issuing permit\(#SARA-OR-2011-0177\), pursuant to the provisions of section 73 of SARA \(2011\)](#)

General Goals: 1) to gather data on presence of wetland dependant wildlife including SAR turtles in wetlands inundated with the invasive *Phragmites australis* and wetlands experiencing early invasion; 2) to establish a mark-recapture study with Spotte...

[>> See more Permits and Related Agreements documents](#)

## **Consultation Documents**

[Consultation on Amending the List of Species Under the Species At Risk Act: November 2005 \(2005\)](#)

The Government of Canada proclaimed the Species at Risk Act (SARA) on June 5, 2003 as part of its strategy for the protection of wildlife species at risk. Attached to the Act is Schedule 1, the list of the

species that receive protection under SARA, ...

Date Modified: 01/11/2010



[Home](#) > [Species profiles](#) > [Species](#)

## Species Profile

### Milksnake

<b>Scientific Name:</b>	<i>Lampropeltis triangulum</i>
<b>Other Names:</b>	Eastern Milksnake
<b>Taxonomy Group:</b>	Reptiles
<b>Range:</b>	Ontario, Quebec
<b>Last COSEWIC Assessment:</b>	May 2002
<b>Last COSEWIC Designation:</b>	Special Concern
<b>SARA Status:</b>	Schedule 1, Special Concern

[Go to advanced search](#)

Quick Links: | [Taxonomy](#) | [Photo](#) | [Description](#) | [Distribution and Population](#) | [Habitat](#) | [Biology](#) | [Threats](#) | [Protection](#) | [Recovery Team](#) | [National Recovery Program](#) | [Documents](#)





[Top](#)

### **Taxonomy**

There are 25 subspecies of the Milksnake found in North America. Only one subspecies, the Eastern Milksnake, has a distribution that extends northward into Canada.

[Top](#)

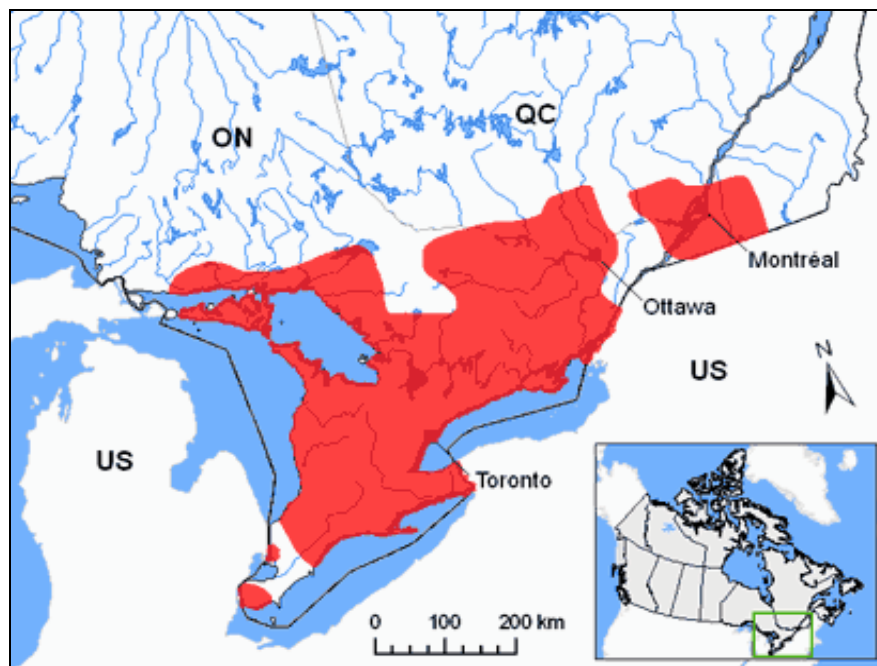
### **Description**

The Milksnake is a shiny, relatively slender, large snake with smooth scales. Although individuals can vary somewhat in colour, the base colour is tan, brown, or grey, with numerous black-bordered brown, copper, or red saddles down the back, alternating with smaller irregular blotches on the sides. The belly has a white and black checkerboard pattern. There is often a characteristic "Y"- or "V"-shaped, light-coloured patch on the back of the neck and head, but sometimes this is absent. The blotches, or saddles, are bright red on young Milksnakes, and become duller and more brownish as the snakes mature. The largest individual on record was 132 cm long, but lengths between 60 and 90 cm are more typical.

[Top](#)

### **Canadian Distribution of the Milksnake (shown in red)<sup>1,2</sup>**

Distribution is approximate and not intended for legal use.



<sup>1</sup> Author: Canadian Wildlife Service, 2004

<sup>2</sup> Data Sources: The main source of information and data is the COSEWIC Status Report. In many cases additional data sources were used; a complete list will be available in the future.

[Top](#)

### Distribution and Population

Milksnakes are found from southern Canada, throughout the United States and Mexico, and into northern South America. In Ontario, the snake can be found as far north as Lake Nipissing and Sault Ste. Marie. In Quebec, it occurs along the border between Quebec and Ontario, south of the St. Lawrence River, and east of the St. Francois River. There are no population estimates of the Milksnake available for either Quebec or Ontario. Observations in Ontario suggest that it has maintained much of its historical range, although the species has likely been extirpated from some large urban centres or areas of intensive agricultural use where habitat has been lost. In Quebec, the population is small, but apparently stable.

[Top](#)

### Habitat

The Milksnake is best known for occurring in rural areas, where it is most frequently reported in and around buildings, especially old structures. However, it is found in a wide variety of habitats, from prairies, pastures, and hayfields, to rocky hillsides and a wide variety of forest types. Two other important features of good Milksnake habitat are proximity to water, and suitable locations for basking and egg-laying.

[Top](#)

### Biology

The name "Milksnake" stems from the erroneous belief that these snakes would enter barns and steal milk from cows. This is obviously false; the snake's jaw is not adapted for sucking, and its teeth are very sharp! Milksnakes visit barns in search of rodents, which they consume in large numbers. Young Milksnakes eat worms and young snakes of other species. Milksnakes are constrictors, suffocating their prey before swallowing it. They are diurnal (active at dawn and dusk) in the spring and fall, but become largely nocturnal (active at night) in the summer. They are very secretive and spend much of their time hiding beneath logs, rocks, boards, bark, and other debris. In Canada, Milksnakes go into hibernation in late October or early November. They select sites, such as mammal burrows, hollow logs, gravel or dirt banks, old wells, or old building foundations that have enough moisture to prevent them drying out over the winter. They emerge from their hibernacula in April or May, and most mating occurs in May. Females appear to gather at

communal egg-laying sites in early June, and deposit clutches of 8 to 11 eggs each, often within several centimetres of each other. It is not known why females congregate, but it is suspected that it may be due to a lack of suitable nesting sites, rather than for social reasons. Eggs are laid in a variety of locations, including compost or manure piles, stumps, under boards, or in loose soil. The hatchlings emerge from the eggs after 50 to 70 days, cutting their way through the shell using the egg tooth on the tip of their snout. The young snakes are 162 to 241 mm long, and may or may not feed before entering hibernation. Milksnakes do not bask as openly as other snakes. They are frequently discovered beneath an object that is in direct sunlight, absorbing heat from its underside. When threatened, milksnakes will flee; but if one is cornered, it will hold its ground, raise its head, and strike. It also vibrates its tail against the ground, creating a rattling sound (especially against dry leaves). These behaviours lead some people to mistake Milksnakes for rattlesnakes, and kill them because they believe they are dangerous.

[Top](#)

### Threats

The two greatest causes of population decline are likely road mortality and deliberate killing by humans. Milksnakes are also affected by habitat loss and modification due to urbanization, as well as predation (both by natural predators and domestic dogs and cats).

[Top](#)

### Protection

#### Federal Protection

The Milksnake is protected under the federal *Species at Risk Act* (SARA). More information about SARA, including how it protects individual species, is available in the [Species at Risk Act: A Guide](#).

The Milksnake also occurs in at least five national parks, thereby benefiting from the protection of the *Canada National Parks Act*. The Milksnake is listed as a "specially protected" species in Ontario in the *Fish and Wildlife Conservation Act*. Under this Act, it is forbidden to hunt, trap, kill, trade, or hold in captivity any specially protected species without a permit. In Quebec, the Milksnake is protected under the *Act respecting the conservation and development of wildlife*. This Act protects animals from captivity or trade, and makes it illegal to disturb, destroy, or damage the eggs, nest, or den of an animal.

#### Provincial and Territorial Protection

[To know if this species is protected by provincial or territorial laws, consult the provinces and territories websites.](#)

[Top](#)

### Recovery Team

#### Walpole Island Ecosystem Recovery Team

##### Madeline Austen - Chair - Environment Canada

Phone: 416-739-4214 [Send Email](#)

##### Joyce Johnson - Chair - Other

Phone: 519-627-1475 [Send Email](#)

[Top](#)

### Recovery Progress and Activities

#### Summary of Research/Monitoring

Public surveys and video taping are being used to analyze whether recently erected signs are having a positive effect on drivers by alerting them to the need for caution to avoid running over snakes crossing the road.

## Summary of Recovery Activities

Alderville First Nations is promoting conservation of tallgrass prairie habitat by displaying information on species at risk occurring in tallgrass prairie habitat, hosting audio/visual presentations, and speaking with local residents, schools, and interest groups. Site inspections also are underway to educate private property owners about tallgrass prairie habitat and species at risk like the Milksnake.

Posters developed by the Toronto Zoo and education programs such as the Georgian Bay Reptile Awareness Program help educate the public on snakes.

## URLs

Ontario's Biodiversity: Species at Risk:

[http://www.rom.on.ca/ontario/risk.php?do\\_c\\_type=fact&lang=&id=291](http://www.rom.on.ca/ontario/risk.php?do_c_type=fact&lang=&id=291)

## Documents

[COSEWIC Status Reports](#) (1 record(s) found.)

[COSEWIC Assessments](#) (1 record(s) found.)

[Response Statements](#) (1 record(s) found.)

[Orders](#) (2 record(s) found.)

[Permits and Related Agreements](#) (2 record(s) found.)

[Consultation Documents](#) (1 record(s) found.)

8 record(s) found.

## COSEWIC Status Reports

[COSEWIC Status Report - Milksnake](#) (2002)

The Milksnake, *Lampropeltis triangulum*, is one of six species of kingsnake found in North America. The Eastern Milksnake, *Lampropeltis triangulum triangulum*, is one of 25 subspecies of Milksnake recognized throughout North, Central and South America...

## COSEWIC Assessments

[COSEWIC Assessment - Milksnake](#) (2002)

Designated Special Concern in May 2002. Assessment based on a new status report....

## Response Statements

[Response Statements - Milksnake](#) (2004)

A response statement is a communications document that identifies how the Minister of the Environment intends to respond to the assessment of a wildlife species by the Committee on the Status of Endangered Wildlife in Canada (COSEWIC). The document p...

## Orders

[Order Acknowledging Receipt of the Assessments Done Pursuant to Subsection 23\(1\) of the Species at Risk Act](#) (2004)

This Order acknowledges receipt by the Governor in Council of the assessments of the status of wildlife species done pursuant to subsection 23(1) of the Species at Risk Act (SARA) by the Committee on the Status of Endangered Wildlife in Canada (COSEW...)

[Order Amending Schedules 1 to 3 to the Species at Risk Act](#) (2005)

Schedule 1, the List of Wildlife Species at Risk of the *Species at Risk Act* (SARA), is amended by Order of the Governor in Council (GIC), on the recommendation of the Minister of the Environment, by the addition of 73 species. This Order is ...

## Permits and Related Agreements

### Explanation for issuing permit(#29), pursuant to the provisions of section 73 of SARA (2006)

To conduct a Species at Risk snake survey within this area to assist the federal government client in determining the presence/absence of SAR species within the study area. The survey methodology will involve: 1. Education of personnel to identify a...

### Explanation for issuing permit(#SARA-OR-2007-0055), pursuant to the provisions of section 73 of SARA (2007)

To conduct a Species at Risk snake survey within this area to assist the federal government client in determining the presence/absence of SAR species within the study area. The survey methodology will involve: 1. Education of personnel to identify an...

## Consultation Documents

### Consultation on Amending the List of Species Under the Species At Risk Act: March 2004 (2004)

The Government of Canada proclaimed the Species at Risk Act (SARA) on June 5, 2003 as part of its strategy for the protection of wildlife species at risk. Attached to the Act is Schedule 1, the list of the species that receive protection under SARA,...

Date Modified: 01/11/2010





[Home](#) > Species profiles > Species

## Species Profile

### Northern Map Turtle

<b>Scientific Name:</b>	<i>Graptemys geographica</i>
<b>Taxonomy Group:</b>	Reptiles
<b>Range:</b>	Ontario, Quebec
<b>Last COSEWIC Assessment:</b>	May 2002
<b>Last COSEWIC Designation:</b>	Special Concern
<b>SARA Status:</b>	Schedule 1, Special Concern

[Go to advanced search](#)

Quick Links: | [Photo](#) | [Description](#) | [Distribution and Population](#) | [Habitat](#) | [Biology](#) | [Threats](#) | [Protection](#) | [Recovery Initiatives](#) | [Recovery Team](#) | [National Recovery Program](#) | [Documents](#)







[Top](#)

### Description

The Northern Map Turtle is a highly aquatic, wary turtle, so it is often difficult to get a good look at it. The carapace (shell on the turtle's back) is olive to brownish in colour, with a net-like pattern of light yellow lines that fade as the turtle matures. When the species was first described, the markings were thought to resemble a geographical map, which gave rise to the turtle's common and scientific names. The head, neck, and limbs are a dark olive green with longitudinal greenish-yellow stripes and a roughly triangular spot behind each eye. Females are much larger than males, often weighing five times as much. The female's carapace may be more than 25 cm long, while the average carapace length for males is only 14 cm. Juveniles are similar to adults, but the shell is more round for the first one to two years of life.

[Top](#)

### Canadian Distribution of the Northern Map Turtle (shown in red)<sup>1,2</sup>

Distribution is approximate and not intended for legal use.



<sup>1</sup> Author: Canadian Wildlife Service, 2004

<sup>2</sup>Data Sources: The main source of information and data is the COSEWIC Status Report. In many cases additional data sources were used; a complete list will be available in the future.

[Top](#)

### **Distribution and Population**

The Northern Map Turtle occurs throughout the northeastern United States. It reaches its northern limit in southern Ontario and southwestern Quebec, where it is associated with the Great Lakes Basin and the St. Lawrence River. It is not known whether population levels are increasing, decreasing, or stable because there are no programs monitoring the status of the Northern Map Turtle in Canada. Estimates of 15 to 35 turtles per kilometre of shoreline have been made along the Ottawa River, and for localized Quebec populations (Lac des Deux Montagnes and Norway Bay).

[Top](#)

### **Habitat**

The Northern Map Turtle inhabits both lakes and rivers, showing a preference for slow moving currents, muddy bottoms, and abundant aquatic vegetation. These turtles need suitable basking sites (such as rocks and logs) and exposure to the sun for at least part of the day.

[Top](#)

### **Biology**

The Northern Map Turtle is an extremely wary species, diving into the water from basking sites at the slightest provocation. Individuals rarely leave the water except during nesting. They are nocturnal (active at night) to slightly crepuscular (active at dawn and dusk), remaining asleep in the sunshine for most of the day. They feed primarily on mussels, although they will occasionally eat other things. Hibernation is a communal activity, with turtles congregating in deep water areas with a slow current. Mating occurs while turtles are still at the hibernating site (October to April). Sometime in June or July, females may move a considerable distance inland to lay their eggs in clutches of 10 to 16. The hatchlings emerge in late August or early September.

[Top](#)

### **Threats**

The Northern Map Turtle's distribution coincides with the most densely populated and industrialized areas of Ontario and Quebec. As a result, numerous factors threaten its survival. Loss of habitat and use of waterways for recreation are perhaps the greatest significant threats to this species. The control of water levels, particularly with dams, may adversely affect the turtles by submerging nesting sites and altering habitat. The diet of the Northern Map Turtle makes it vulnerable to accumulation of heavy metals and other toxins. Wildlife trade (for food or as pets) is an additional threat to this turtle, which resembles other highly desirable species.

[Top](#)

## **Protection**

### **Federal Protection**

The Northern Map Turtle is protected under the federal *Species at Risk Act* (SARA). More information about SARA, including how it protects individual species, is available in the [Species at Risk Act: A Guide](#).

The Northern Map Turtle is a "specially protected" species under Ontario's *Fish and Wildlife Conservation Act*, which protects it from being hunted, trapped, held in captivity, or traded without a licence. The turtle has no legal status in Quebec, but its nests are protected from disturbance, destruction, or alteration by the *Act respecting the conservation and development of wildlife*; and the collection, keeping, and trade of individuals is prohibited by the *Animals in Captivity Regulation*.

## Provincial and Territorial Protection

To know if this species is protected by provincial or territorial laws, consult the provinces and territories websites.

[Top](#)

## Recovery Initiatives

### Status of Recovery Planning

#### Recovery Strategies :

**Name** Recovery Strategy for Species at Risk in the Ausable River Ecosystem

**Status** Review/consultation complete

**Number of Action Plans** 0

**Name** National Recovery Strategy for Species at Risk in the Thames River Aquatic Ecosystem

**Status** Submitted for peer review/ review by F/P/T partners

**Number of Action Plans** 0

**Name** Quebec's Recovery Plan for five turtle species (Wood Turtle, Northern Map Turtle, Blanding's Turtle, Stinkpot and Spotted Turtle)

**Status** Published by Jurisdiction

**Number of Action Plans** 0

**Name** Recovery Strategy for Species at Risk Turtles in Ontario

**Status** Preliminary draft received by leads

**Number of Action Plans** 0

[Top](#)

## Recovery Team

### Ausable River Recovery Team

**Shawn Staton - Chair - Fisheries and Oceans Canada**

Phone: 905-336-4864 Fax: 905-336-6437 [Send Email](#)

**Mari Veliz - Chair - Conservation organization (NGO)**

Phone: 519-235-2610 Fax: 519-235-1963 [Send Email](#)

### Ontario Multi-Species Turtles at Risk Recovery Team

**Ronald J. Brooks - Chair - University or college**

Phone: 519-824-4120 Fax: 519-767-1656 [Send Email](#)

**Suzanne Robinson - Chair - Government of Ontario**

Phone: 705-725-7542 Fax: 705-725-7584 [Send Email](#)

### Quebec Turtle Recovery Team

**Stéphanie Lachance - Chair - Government of Quebec**

Phone: 819-371-6151 Fax: 819-378-1581 [Send Email](#)

### Thames River Recovery Team

**Chris Harrington - Chair - Other**

[Send Email](#)

### **Shawn Staton - Chair - Fisheries and Oceans Canada**

Phone: 905-336-4864 Fax: 905-336-6437 [Send Email](#)

### **Walpole Island Ecosystem Recovery Team**

#### **Madeline Austen - Chair - Environment Canada**

Phone: 416-739-4214 [Send Email](#)

#### **Joyce Johnson - Chair - Other**

Phone: 519-627-1475 [Send Email](#)

[Top](#)

## **Recovery Progress and Activities**

### **Summary of Progress to Date**

This species is included within the Ausable River multi-species association.

In 2002 the Ausable River Recovery Team was formed to develop an ecosystem-based recovery strategy for the watershed. The team synthesized existing information on four factors: species at risk (population trends, habitat needs and limiting factors), land use, water quality, and stream channel structure. This overview of the river's health and threats provided a basis for the recovery strategy (draft available at [www.abca.on.ca](http://www.abca.on.ca)). The strategy identifies a high priority conservation zone, part of the watershed that contains the full range of all endangered and threatened species. It also recommends implementation of agricultural best management practices and improvements to wastewater treatment plants to reduce suspended sediment and nutrient loadings, which represent the most significant threats for the majority of species at risk.

### **Summary of Research/Monitoring Activities**

Basin-wide surveys to assess the distribution of fish and mussel species at risk were conducted during the summer of 2002, resulting in the first records of Bigmouth Buffalo and Black Redhorse in the basin. Surveys of dragonflies, damselflies and reptiles along the Ausable River were conducted during July 2003. Additional surveys for fish, mussel, and reptiles were conducted in 2004 to help establish a more complete assessment of the current status of all aquatic species at risk in the basin. These surveys provide baseline data against which future population monitoring can be compared to track recovery progress.

Additional research is planned to inventory aquatic habitat and further clarify threats to species at risk. The goal is to assess the relative significance of identified threats and then implement mitigation measures.

### **Summary of Recovery Activities**

The Ausable River Recovery Team has used several strategies to increase public awareness about species at risk in the river, including the distribution of brochures, installation of signs at local Conservation Areas and development of a website (see species at risk at [www.abca.on.ca](http://www.abca.on.ca)). Landowners have also received grants to complete stewardship activities that improve water quality and habitat for species at risk (e.g., excluding livestock from watercourses; planting buffer strip/riparian vegetation; modifying farm equipment to aid in efficient manure spreading, thereby reducing water pollution; and conservation tillage, which reduces soil erosion).

Because most of the land along the Ausable River is private farmland, landowner stewardship is critical to improving the health of the river and its species. The recovery team hopes to facilitate agricultural best management practices through more public outreach and landowner grants.

## URLs

[www.abca.on.ca](http://www.abca.on.ca) (see species at risk)

## Summary of Progress to Date

This species is being addressed under a recovery plan for the Thames River ecosystem. The recovery team has written a synthesis report that describes the distribution of aquatic species at risk in the watershed, habitat quality issues and threats to species at risk (available at [www.thamesriver.org/Species\\_at\\_Risk/species\\_at\\_risk.htm](http://www.thamesriver.org/Species_at_Risk/species_at_risk.htm)).

The recovery team aims to enhance or restore water quality and aquatic habitat by reducing siltation, nutrient loadings and toxic contamination and reducing impacts of altered water flow.

## Summary of Research/Monitoring Activities

Researchers are currently identifying the distribution, abundance and habitat preferences of mussel species at risk in the Thames River through a long-term mussel monitoring program. Recent surveys have shown that Wavy-rayed lampmussels are more abundant in the Thames River than previously thought; in fact, the Thames is now believed to host the second largest population in Canada. Researchers are also surveying exotic Zebra Mussels, which threaten native mussel species at risk. They have found Zebra Mussels in Fanshawe Lake in London and they appear to be moving downstream in the North and Main Thames. Surveys in 2005 examined populations of mussel species at risk and the potential for Zebra Mussel impacts to this part of the Thames.

Mussels spend part of their life cycle living on the gills or fins of fish. Researchers have been working to identify the fish hosts for several endangered mussels in the Thames and other Ontario rivers. Several of the Rayed Bean's potential hosts have been identified: the Greenside Darter (also a species of concern), Rainbow Darter, Largemouth Bass and Mottled Sculpin. The Largemouth Bass and Mottled Sculpin are also hosts for the Wavy-rayed Lampmussel, as is the Smallmouth Bass. Sampling in recent years has helped to refine the ranges of potential host species and continues to characterize the habitats of all fish species at risk.

Queen Snake surveys are conducted annually. In 2002, the first Canadian Queen Snake hibernation site was located, and it was active in 2003 and 2004 as well. The hibernation site is within the river corridor, but is located beyond the snake's typical summer use area, providing new information on habitat requirements for this species. Researchers are studying the Queen Snake's reproduction and other natural history parameters through a mark-recapture program.

Radio-tracked Spiny Softshells have helped researchers identify the turtle's movement patterns and habitat requirements within both an urban environment and a more natural setting. More details of the turtle's biology and habitat use will be uncovered through a mark-recapture project currently being conducted.

Sediment deposition has been recognized as one of the primary threats to species at risk in the Thames River. A map of zones with high soil erosion potential has been created for the upper Thames River to help the recovery team target areas that have a high potential for generating sediment that affects species at risk habitat.

## Summary of Recovery Activities

The recovery team provides grants where possible as well as helping land owners and managers design and implement stewardship projects. Native riparian vegetation has been planted to reduce streamside erosion and sediment inputs, and riparian zones have been fenced to exclude cattle from streams. Covers have been built for manure storage sites to eliminate nutrient runoff from manure stacks, protecting nearby watercourses. Sediment ponds or sediment traps have also been built to divert sediment flow away from the river.

Riffles (rocks placed in streams in order to create choppy water flow) create increased oxygenation of the water and support the bottom invertebrate community, both of which support fish populations. Follow-up invertebrate surveys indicate that the addition of riffles significantly



increases the bottom invertebrate community within a year. Timber and rock have also been strategically placed in rivers to improve habitat for fish and aquatic macro-invertebrates and at the same time direct stream flow away from stream banks, reducing stream bank erosion. Shallow scrapes or small berms are being used to create shallow pools and encourage reptile and amphibian use.

Dams are used to control floods by reducing the flow of water discharging from the reservoir. Turtles nest on beaches during the summer and although their nests are able to withstand flash flooding, the eggs die when covered with water for extended periods (>48 hours). Many Spiny Softshell nests located along beaches that will be flooded are able to be relocated, with high egg survival.

Although Spiny Softshell nests are protected, poachers will take them for the pet or food trade. In 2004, a number of nests were taken, leading to a public notice and involvement by provincial Conservation Officers.

Most of the land adjacent to the Thames River is privately owned. The recovery team facilitates private landowner stewardship through outreach and coordination with First Nations and other groups. Provincial and federal grants help farmers undertake stewardship activities that protect water quality. Public pride and ownership of the Thames River is enhanced through the annual Thames River clean-up ([www.thamesrivercleaup.ca](http://www.thamesrivercleaup.ca)).

#### URLs

[www.thamesriver.org/Species\\_at\\_Risk/species\\_at\\_risk.htm](http://www.thamesriver.org/Species_at_Risk/species_at_risk.htm)

[www.thamesrivercleaup.ca](http://www.thamesrivercleaup.ca)

## Documents

[COSEWIC Status Reports](#) (1 record(s) found.)

[COSEWIC Assessments](#) (1 record(s) found.)

[Response Statements](#) (1 record(s) found.)

[Orders](#) (2 record(s) found.)

[Permits and Related Agreements](#) (3 record(s) found.)

[Consultation Documents](#) (1 record(s) found.)

9 record(s) found.

## COSEWIC Status Reports

[COSEWIC assessment and status report on the northern map turtle \*Graptemys geographica\* in Canada](#) (2002)

The Northern Map Turtle (*Graptemys geographica*) is a sexually dimorphic, highly aquatic turtle. The carapace is olive to brownish in colour with a reticulate pattern of light yellow lines that fade as the turtle matures. When first described...

## COSEWIC Assessments

[COSEWIC Assessment - Northern Map Turtle](#) (2002)

Designated Special Concern in May 2002. Assessment based on a new status report....

## Response Statements

[Response Statements - Northern Map Turtle](#) (2004)

A response statement is a communications document that identifies how the Minister of the Environment intends to respond to the assessment of a wildlife species by the Committee on the Status of Endangered Wildlife in Canada (COSEWIC). The document p...

## Orders

[Order Acknowledging Receipt of the Assessments Done Pursuant to Subsection 23\(1\) of the Species at Risk Act](#) (2004)



This Order acknowledges receipt by the Governor in Council of the assessments of the status of wildlife species done pursuant to subsection 23(1) of the Species at Risk Act (SARA) by the Committee on the Status of Endangered Wildlife in Canada (COSEW...

#### [Order Amending Schedules 1 to 3 to the Species at Risk Act \(2005\)](#)

Schedule 1, the List of Wildlife Species at Risk of the *Species at Risk Act* (SARA), is amended by Order of the Governor in Council (GIC), on the recommendation of the Minister of the Environment, by the addition of 73 species. This Order is ...

### **Permits and Related Agreements**

#### [Explanation for issuing permit\(#20\), pursuant to the provisions of section 73 of SARA \(2006\)](#)

The work involves the monitoring of Northern Map Turtle, Eastern Spiny Softshell Turtle, Eastern Fox Snake, Queen Snake and Butler's Garter Snake. Specimens to be live captured, examined, and released in situ. Specimens not to be injured, killed or r...

#### [Explanation for issuing permit\(#PP-2009-3592\), pursuant to the provisions of section 74 of SARA \(2009\)](#)

The five objectives of this study are: 1. to actively locate turtle nests within Point Pelee National Park 2. to effectively protect all turtle nests located, with priority given to Species at Risk 3. to opportunistically mark and recapture all ...

#### [Explanation for issuing permit\(#SARA-OR-2010-0151\), pursuant to the provisions of section 73 of SARA \(2010\)](#)

This survey represents a first step in a comprehensive species at risk study for the CRL Site. The results will provide empirical data regarding the presence and location of any species at risk within the boundaries of the CRL property. The survey re...

### **Consultation Documents**

#### [Consultation on Amending the List of Species Under the Species At Risk Act: March 2004 \(2004\)](#)

The Government of Canada proclaimed the Species at Risk Act (SARA) on June 5, 2003 as part of its strategy for the protection of wildlife species at risk. Attached to the Act is Schedule 1, the list of the species that receive protection under SARA,...

Date Modified: 01/11/2010

## MOE Well Record Search Results

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
CHATHAM CITY ( )	17 621806 4877691 <sup>N</sup>	2007/07 6607	02	FR 0004			10	7048432 (Z72465) A059203 BRWN FILL 0003 BRWN CLAY 0010
INNISFIL TOWNSHIP OS 02(005)	17 617515 4879623 <sup>N</sup>	1982/10 1413	06	FR 0102	068 / 080 008 / 2:30	ST DO	93 9	5718258 ( ) BRWN LOAM SAND SOFT 0002 BRWN CLAY DNSE 0018 BRWN GRVL DRY 0054 BRWN CLAY DNSE 0087 BRWN FSND CLN 0102
TBD ( )	17 621951 4879129 <sup>N</sup>	2006/04 7241	01				8 9	6930191 (Z45971) A039313 BRWN SAND GRVL LOOS 0003 BRWN SILT CLAY WBRG 0009 GREY SILT CLAY WBRG 0017
EAST GWILLIMBURY TOW CON 02(001)	17 624592 4880259 <sup>N</sup>	1989/09 1591	06	FR 0092	038 / 005 / 2:0	DO		6920688 ( ) BLCK LOAM SAND GRVL 0023 GREY CLAY GRVL 0046 GREY SAND CLAY 0092 SAND GRVL 0100
EAST GWILLIMBURY TOW CON 02(005)	17 624815 4882223 <sup>N</sup>	1985/07 3136	06	FR 0143	059 / 095 016 / 1:0	DO	147 4	6917520 ( ) BRWN LOAM 0001 BRWN CLAY STNS 0017 GREY CLAY STNS 0143 GREY CSND FSND 0151
EAST GWILLIMBURY TOW CON 02(005)	17 623515 4881623 <sup>N</sup>	1969/09 2310	04	FR 0061	022 / / :0	ST		6909230 ( ) PRDG 0032 BLUE CLAY 0061 CLAY GRVL MSND 0074
EAST GWILLIMBURY TOW CON 02(005)	17 623551 4881607 <sup>N</sup>	1961/01 4102	34	FR 0050	030 / 002 / :0	ST DO		6900074 ( ) BLUE CLAY 0050 CLAY MSND GRVL 0060
EAST GWILLIMBURY TOW CON 02(005)	17 623602 4881726 <sup>N</sup>	2004/09 3903				CO		6928551 (Z03394) A003294
EAST GWILLIMBURY TOW CON 02(005)	17 623851 4881880 <sup>N</sup>	1954/12 2801	08			NU		6900072 ( ) LOAM 0001 BRWN CLAY MSND 0006 MSND GRVL BLDR 0011 BLUE CLAY GRVL 0038 BLUE CLAY 0094 BLUE CLAY GRVL 0149 BLDR MSND GRVL 0150 BLUE CLAY MSND 0153 BLUE CLAY 0164 BLUE CLAY GRVL 0166 BLUE CLAY GRVL BLDR 0211 BLUE CLAY GRVL 0231 BLUE CLAY BLDR GRVL 0233 BLUE CLAY GRVL 0256 BLCK SHLE 0258
EAST GWILLIMBURY TOW CON 02(005)	17 623602 4881726 <sup>N</sup>	2004/06 3903	06 10	GS 0159	025 / 031 / 6:0	CO	157 10	6928156 (Z03382) A003294 BRWN CLAY STNS HARD 0013 GREY CLAY STNS HARD 0066 GREY CLAY BLDR HARD 0071 GREY SAND GRVL LOOS 0074 GREY CLAY STNS 0159 BRWN SAND LOOS 0168
EAST GWILLIMBURY TOW CON 02(006)	17 623198 4882133 <sup>N</sup>	2010/03 6809						7155552 (M06666) A095445

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
EAST GWILLIMBURY TOW CON 02(006)	17 623700 4881904 <sup>N</sup>	1955/09 2801	08					6900086 ( ) LOAM MSND 0001 CLAY MSND 0004 MSND 0009 CLAY MSND 0020 GRVL BLDR 0022 GREY CLAY MSND 0049 FSND SILT CLAY 0063 GREY CLAY MSND 0130 MSND GRVL 0132 GREY CLAY BLDR 0136 GREY CLAY SILT FSND 0174 GREY CLAY BLDR 0183 GREY CLAY 0193
EAST GWILLIMBURY TOW CON 02(006)	17 623765 4881945 <sup>N</sup>	1955/09 2801	08					6900087 ( ) GRVL FILL 0002 CLAY MSND 0005 CLAY MSND GRVL 0012 GREY CLAY SILT FSND 0114 GREY CLAY BLDR 0134 GREY CLAY GRVL 0140 GREY CLAY SILT FSND 0176 GREY CLAY 0182
EAST GWILLIMBURY TOW CON 02(006)	17 623673 4882125 <sup>N</sup>	1955/09 2801	08					6900085 ( ) LOAM MSND 0001 CLAY MSND 0006 MSND GRVL SILT 0011 CLAY SILT GRVL 0032 GREY CLAY SILT MSND 0109 GREY CLAY GRVL 0113 GREY CLAY BLDR GRVL 0147 GREY CLAY GRVL 0169 GREY CLAY BLDR 0231 BLDR 0232
EAST GWILLIMBURY TOW CON 02(006)	17 623700 4881914 <sup>N</sup>	1955/09 2801	08					6900088 ( ) LOAM MSND 0002 GRVL 0004 GREY CLAY 0039 GRVL FSND SILT 0052 GREY CLAY 0066 GREY CLAY BLDR 0084 GREY CLAY 0151 GREY CLAY SILT FSND 0179 GREY CLAY 0204
EAST GWILLIMBURY TOW CON 02(006)	17 623625 4881894 <sup>N</sup>	1955/09 2801	08					6900084 ( ) LOAM MSND 0003 CLAY MSND 0008 GRVL CLAY 0013 GREY CLAY GRVL 0032 GREY CLAY STNS 0073 GREY CLAY BLDR 0074 GREY CLAY GRVL 0123 GREY CLAY STNS 0159 GREY CLAY GRVL FSND 0189 GREY CLAY BLDR 0225 GREY CLAY 0226 GREY CLAY BLDR 0238 BLDR LMSN 0239
EAST GWILLIMBURY TOW CON 02(006)	17 623499 4881878 <sup>N</sup>	1955/01 2801	08					6900082 ( ) LOAM 0001 BRWN CLAY 0006 GRVL MSND BLDR 0009 SILT GRVL 0012 BLUE CLAY GRVL 0029 BLUE CLAY FSND GRVL 0068 SILT 0072 BLUE CLAY 0081 BLUE CLAY GRVL 0084 BLUE CLAY 0113 GRVL MSND BLDR 0118 BLUE CLAY 0119 FSND SILT 0128 BLUE CLAY 0130 FSND SILT 0137 FSND GRVL 0173 FSND CLAY 0180 CLAY MSND GRVL 0201 MSND GRVL BLDR 0202 CLAY SILT MSND 0215

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
EAST GWILLIMBURY TOW CON 02(006)	17 623540 4881853 <sup>N</sup>	1955/01 2801	04	FR 0176	-040 / / :0	NU	162 20	6900081 ( ) LOAM 0001 BRWN CLAY 0005 GRVL MSND BLDR 0009 BLUE CLAY MSND 0051 SILT 0060 BLUE CLAY MSND 0064 BLUE SILT CLAY 0079 BLUE CLAY MSND 0101 BLDR CLAY GRVL 0102 BLUE CLAY 0111 BLUE CLAY MSND GRVL 0120 GRVL BLDR CLAY 0125 BLUE CLAY BLDR 0127 BLUE CLAY GRVL 0133 FSND SILT 0141 FSND GRVL 0178 BLUE CLAY GRVL 0182
EAST GWILLIMBURY TOW CON 02(006)	17 624174 4882258 <sup>L</sup>	2001/07 5459						6925877 (228960)
EAST GWILLIMBURY TOW CON 02(006)	17 623365 4881873 <sup>N</sup>	1968/05 3109	30	FR 0034	014 / / :0	DO		6909012 ( ) LOAM 0002 BRWN CLAY 0020 BLUE CLAY 0039
EAST GWILLIMBURY TOW CON 02(006)	17 623285 4881783 <sup>N</sup>	1991/10 1413	06	FR 0176	063 / 160 010 / 1:0	DO	173 3	6921637 (91780) BRWN CLAY DNSE 0015 GREY CLAY LYRD 0092 GREY GRVL SAND PEAT 0099 GREY CLAY DNSE 0157 BLCK GRVL SILT LOOS 0165 BLCK FSND CLN 0176
EAST GWILLIMBURY TOW CON 02(006)	17 623888 4882013 <sup>N</sup>	1989/01 5459	06 05	FR 0192	/ 192 025 / 3:0	DO	192 6	6920140 (37809) BRWN CLAY SNDY 0014 GREY CLAY SNDY 0115 BRWN SAND STNY 0117 GREY CLAY STNS 0159 GREY CLAY STNS 0166 GREY CLAY SNDS 0190 GREY SAND STNS 0203
EAST GWILLIMBURY TOW YS E 01(019)	17 621112 4882272 <sup>N</sup>	1988/08 2218	00	FR 0018	015 / 004 / 1:10	PS	25 5	6920020 ( ) BRWN SAND 0030
EAST GWILLIMBURY TOW YS E 01(100)	17 622336 4881212 <sup>L</sup>	2000/10 1663	06			NU		6925628 (220124)
EAST GWILLIMBURY TOW YS E 01(100)	17 621415 4880966 <sup>N</sup>	1995/02 3903	06	FR 0310	178 / 183 010 / 6:0	CO	305 5	6923053 (26716) BRWN CLAY STNS HARD 0013 GREY CLAY SILT LYRD 0297 GREY CLAY SAND LYRD 0305 GREY SAND GRVL PCKD 0310 GREY GRVL SAND PCKD 0315
EAST GWILLIMBURY TOW YS E 01(101)	17 622937 4881660 <sup>N</sup>	1962/06 2310	04	FR 0252	043 / 090 005 / 8:0	ST DO	252 4	6900703 ( ) PRDG 0041 RED CLAY MSND 0252 FSND 0256
EAST GWILLIMBURY TOW YS E 01(101)	17 621746 4881452 <sup>N</sup>	2010/12 5019						7159910 (Z100019)
EAST GWILLIMBURY TOW YS E 01(101)	17 621515 4881353 <sup>N</sup>	1968/11 3109	30	FR 0039	034 / / :0	ST DO		6908922 ( ) LOAM 0002 BRWN CLAY 0022 BLUE CLAY STNS 0039 MSND 0040 BLUE CLAY STNS 0046
EAST GWILLIMBURY TOW YS E 01(102)	17 621279 4881718 <sup>N</sup>	1961/05 3108	04	FR 0085	040 / 070 007 / 24:0	DO	83 4	6900705 ( ) PRDG 0036 BLUE CLAY 0046 BRWN MSND 0085 CSND 0087

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
EAST GWILLIMBURY TOW YS E 01(102)	17 621350 4881633 <sup>N</sup>	1956/12 2310	02	FR 0046	030 / 005 / 3:0	DO	46 4	6900704 () CLAY STNS 0010 CLAY 0030 CLAY MSND 0046 MSND 0050
EAST GWILLIMBURY TOW YS E 01(103)	17 621269 4882296 <sup>N</sup>	1961/06 3108	04	FR 0315	220 / 250 008 / 2:0	DO	319 4	6900708 () LOAM 0002 BLUE CLAY 0305 BLUE FSND 0315 BLUE CSND 0323
EAST GWILLIMBURY TOW YS E 01(103)	17 621127 4882170 <sup>N</sup>	1985/08 5459	06	FR 0320	080 / 320 006 / 3:30	DO	324 6	6917883 () GREY CLAY 0150 GREY CLAY STNS 0230 GREY CLAY SOFT 0300 GREY CLAY SNDY 0320 GREY SAND FSND 0330
EAST GWILLIMBURY TOW YS E 01(103)	17 621224 4882245 <sup>N</sup>	1997/10 1413	06	FR 0353	230 / 340 040 / 3:0	DO	346 7	6924126 (178132) BRWN CLAY HARD 0025 GREY CLAY SOFT DNSE 0317 GREY SILT SAND FGRD 0330 GREY GRVL CGRD 0353
EAST GWILLIMBURY TOW YS E 01(103)	17 621216 4882130 <sup>N</sup>	2005/12 1663	02	FR 0331	262 / 166 009 / 1:0	CO	343 5	6929798 (Z36769) A023450 BRWN CLAY SAND FILL 0004 BRWN CLAY 0016 GREY CLAY 0040 BRWN SILT 0053 GREY CLAY SILT 0333 GREY FSND SILT 0343 GREY SAND GRVL 0348 GREY SAND GRVL CLAY 0351
EAST GWILLIMBURY TOW YS E 01(103)	17 621220 4882165 <sup>N</sup>	1959/06 3108	04					6900706 () PRDG 0052 BLUE CLAY 0160 FSND 0170 BLUE CLAY 0325
EAST GWILLIMBURY TOW YS E 01(103)	17 621177 4882184 <sup>N</sup>	1986/09 1413	07	FR 0335	200 / 220 024 / 8:0	CO	332 3	6918252 () BRWN CLAY DNSE 0026 BLUE CLAY DNSE 0042 GREY CLAY SILT STNS 0061 BLUE CLAY STNS DNSE 0185 BLUE CLAY STNS DNSE 0260 BLUE CLAY DNSE 0304 GREY FSND 0316 BLUE CLAY SOFT 0317 GREY FSND 0330 GREY GRVL SAND LYRD 0335
EAST GWILLIMBURY TOW YS E 01(103)	17 621149 4881965 <sup>N</sup>	2005/07 1413	06	FR 0344	276 / 328 042 / 1:0	CO	337 8	6929431 (Z31719) A029618 BRWN CLAY SOFT 0018 GREY CLAY HARD 0116 GREY CLAY HARD 0174 GREY CLAY SOFT 0266 GREY CLAY HARD 0304 GREY SAND SILT 0317 GREY FSND 0339 GREY GRVL SAND CLAY 0348
EAST GWILLIMBURY TOW YS W 01(100)	17 620115 4880673 <sup>N</sup>	1976/06 3109	30	FR 0056	018 / / :0	DO		6913840 () LOAM 0002 BRWN CLAY 0018 BLUE CLAY 0032 BLUE CLAY STNY 0056 FGVL 0058
EAST GWILLIMBURY TOW YS W 01(100)	17 619851 4880611 <sup>N</sup>	1972/07 4102	30	FR 0024	024 / / :0	DO		6911322 () BRWN CLAY STNS 0020 BRWN CSND 0032 BLUE CLAY 0037
EAST GWILLIMBURY TOW YS W 01(100)	17 621366 4880748 <sup>N</sup>	1969/11 3414	06	FR 0412	112 / 250 025 / 10:0	CO	412 13	6909571 () YLLW CLAY 0056 BLUE CLAY GRVL 0077 GREY SILT MSND GRVL 0084 BLUE CLAY SILT 0150 BLUE CLAY 0291 GREY MSND GRVL SILT 0312 BLUE CLAY GRVL STNS 0375 GREY SILT MSND 0377 GREY CLAY GRVL 0412 GREY MSND SILT 0425
EAST GWILLIMBURY TOW YS W 01(100)	17 620334 4880552 <sup>N</sup>	2002/08 6418				NU		6926583 (251055)



TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>	WELL TAG #
EAST GWILLIMBURY TOW YS W 01(100)	17 620334 4880552 <sup>L</sup>	2002/08 6418				NU		6926582 (251054)	
EAST GWILLIMBURY TOW YS W 01(101)	17 621215 4881273 <sup>N</sup>	1981/05 1413	06 04	FR 0470	151 / 218 015 / 15:0	ST DO	454 8	6915809 () BRWN CLAY STNS HARD 0048 GREY CLAY STNS HARD 0087 GREY GRVL CMTD 0088 GREY CLAY DNSE 0274 GREY SILT SOFT 0285 BLUE CLAY DNSE 0379 BLCK CLAY STNS 0410 GREY CLAY SILT SOFT 0451 GREY FSND CLN 0462 BLCK SHLE DNSE 0470	
EAST GWILLIMBURY TOW YS W 01(101)	17 620555 4880913 <sup>N</sup>	1970/04 2310	05	FR 0045	015 / 040 002 / 2:0	DO	45 4	6909830 () GREY CLAY MSND 0027 BLUE CLAY 0045 FSND 0049	
EAST GWILLIMBURY TOW YS W 01(101)	17 621290 4881111 <sup>N</sup>	1988/05 1413	06	FR 0303	159 / 010 / 2:50	DO	300 3	6919557 (30263) BRWN CLAY STNS PCKD 0017 GREY CLAY STNS DNSE 0155 GREY CLAY SLTY SOFT 0233 GREY CLAY DNSE 0274 GREY CLAY SLTY 0286 BRWN SAND LOOS 0296 BRWN GRVL SAND CLN 0300 BRWN SAND GRVL CLN 0303	
EAST GWILLIMBURY TOW YS W 01(101)	17 621218 4881080 <sup>N</sup>	1962/09 2310	02	FR 0045	030 / 004 / 4:0	ST DO	43 4	6900764 () LOAM 0002 GREY CLAY STNS 0045 FSND 0050	
EAST GWILLIMBURY TOW YS W 01(101)	17 621115 4881423 <sup>N</sup>	1983/06 1350	06	FR 0077	030 / 045 020 / 1:30	PS	72 3	6916895 () YLLW CLAY 0021 GREY CLAY 0038 GREY SILT CLAY 0045 BRWN SAND SLTY 0055 GREY CLAY 0077 GREY GRVL SAND 0079	
EAST GWILLIMBURY TOW YS W 01(102)	17 620915 4881673 <sup>N</sup>	1968/04 2310	02	FR 0052	030 / 003 / 4:0	ST	53 8	6909026 () CLAY MSND STNS 0052 FSND 0061	
EAST GWILLIMBURY TOW YS W 01(102)	17 621065 4881773 <sup>N</sup>	1978/08 1663	05	FR 0090	051 / 096 005 / 10:0	DO	100 4	6914977 () BRWN LOAM SNDY 0001 BRWN FSND 0006 BRWN CLAY SAND GRVL 0018 BRWN FSND CLAY 0039 YLLW CLAY 0041 BLUE CLAY 0084 GREY FSND 0104 BLUE CLAY SAND GRVL 0112	
EAST GWILLIMBURY TOW YS W 01(102)	17 621053 4881676 <sup>N</sup>	1966/06 4102	30	FR 0062	054 / 006 / :0	ST DO		6900765 () BRWN CLAY 0006 BLUE CLAY 0062 CSND 0070	
EAST GWILLIMBURY TOW YS W 01(103)	17 620093 4881772 <sup>L</sup>	2000/12 1413	06 06	FR 0495	250 / 493 004 / 1:0	DO	190 4	6925697 (214834) BRWN LOAM CLAY SLTY 0003 BRWN CLAY SLTY 0012 BRWN SAND SLTY 0023 GREY CLAY DNSE 0051 GREY SAND HARD 0072 GREY CLAY SAND STNS 0306 GREY CLAY SILT STNS 0346 GREY CLAY PGVL HARD 0411 GREY CLAY SLTY SOFT 0478 GREY GRVL SAND CLAY 0486 GREY CLAY STNS DNSE 0490 GREY FSND SHLY STNS 0495	
EAST GWILLIMBURY TOW YS W 01(103)	17 620290 4882023 <sup>N</sup>	1972/10 3903	04 04	UK 0500 UK 0486	175 / 180 008 / 14:0	DO		6911107 () BRWN SAND CLAY STNS 0065 GREY CLAY SILT 0280 GREY CLAY STNS 0350 GREY CLAY SILT STNS 0484 BRWN SHLE 0500	

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
EAST GWILLIMBURY TOW YS W 01(103)	17 619811 4881838 <sup>N</sup>	1964/12 4102	30	FR 0017	018 / 004 / :0	DO		6900768 ( ) BRWN CLAY 0017 CSND 0021 BLUE CLAY 0031
EAST GWILLIMBURY TOW YS W 01(103)	17 621121 4882049 <sup>N</sup>	1963/06 3903	30	FR 0045	045 / 002 / :0	DO		6900767 ( ) MSND 0015 BLUE CLAY 0045 MSND 0055
EAST GWILLIMBURY TOW YS W 01(103)	17 620893 4882193 <sup>N</sup>	1960/06 4102	30	FR 0020	010 / 002 / :0	DO		6900766 ( ) BLUE CLAY 0020 CLAY MSND 0030
EAST GWILLIMBURY TOW YS W 01(103)	17 621225 4882165 <sup>N</sup>	1959/08 3108	04	FR 0345	150 / 250 012 / 10:0	DO	340 6	6900707 ( ) MSND 0002 BLUE CLAY 0150 FSND 0200 BLUE CLAY 0345 BLUE MSND 0352
EAST GWILLIMBURY TOW YS W 01(103)	17 620715 4882123 <sup>N</sup>	1980/02 3108	06	UK 0246	140 / 245 005 / 3:0	DO	246 3	6915469 ( ) LOAM 0002 YLLW CLAY 0018 BLUE CLAY 0133 GREY CLAY 0242 GREY CLAY SNDY 0246 GREY SAND 0249
EAST GWILLIMBURY TOW YS W 01(103)	17 619449 4881729 <sup>N</sup>	1975/06 3109	30	FR 0033	004 / / :0	DO		6912738 ( ) LOAM 0002 BRWN CLAY 0016 BLUE CLAY STNS 0033 GRVL 0036
EAST GWILLIMBURY TOW YS W 01(103)	17 620092 4881904 <sup>N</sup>	1973/06 3109	30	FR 0045	012 / / :0	DO		6911767 ( ) LOAM 0002 BRWN CLAY SAND 0022 BLUE CLAY SILT 0044 BLUE SAND SILT 0052
EAST GWILLIMBURY TOW YS W 01(103)	17 619715 4881823 <sup>N</sup>	1972/09 3109	30	FR 0043	024 / / :0	DO		6911285 ( ) LOAM 0002 CLAY STNS SAND 0027 BLUE CLAY STNS 0043 CSND 0045
EAST GWILLIMBURY TOW YS W 01(103)	17 620719 4882120 <sup>N</sup>	2009/07 6409						7126048 (Z91665) A080729
EAST GWILLIMBURY TOW YS W 01(103)	17 620720 4882123 <sup>N</sup>	2009/06 6409	06 05	FR 0291	177 / 255 012 / 3:0	DO	290 4 294 4	7125745 (Z91683) A080748 BRWN CLAY SAND GRVL 0012 GREY CLAY 0039 GREY CLAY GRVL 0097 GREY CLAY GRVL SOFT 0158 GREY CLAY GRVL SOFT 0246 BRWN SAND 0249 GREY CLAY HARD 0283 GREY CLAY DNSE 0291 GREY SAND 0298
EAST GWILLIMBURY TOW YS W 01(103)	17 620465 4881923 <sup>N</sup>	1972/11 3109	30	FR 0034	010 / / :0	DO		6911280 ( ) LOAM 0002 BRWN CLAY STNS 0017 BLUE CLAY STNS 0034 GRVL 0037
EAST GWILLIMBURY TOW YS W 01(103)	17 620390 4881873 <sup>N</sup>	1972/08 3109	30	FR 0035	012 / / :0	DO		6911277 ( ) LOAM 0002 BRWN CLAY STNS 0018 BLUE CLAY STNS 0035 GRVL 0036
EAST GWILLIMBURY TOW YS W 01(103)	17 620690 4882123 <sup>N</sup>	1972/03 5459	05	FR 0406 FR 0410	175 / 275 010 / 2:0	DO	406 4	6911224 ( ) PRDG 0040 BLUE CLAY 0105 GRVL 0106 BLUE CLAY 0268 BRWN CLAY 0302 FSND 0305 BRWN CLAY SAND 0406 SAND 0410
EAST GWILLIMBURY TOW YS W 01(103)	17 619115 4881298 <sup>N</sup>	1972/10 2310	04	FR 0213	125 / 140 010 / 1:0	DO	213 4	6911113 ( ) PRDG 0061 GREY CLAY SAND GRVL 0099 BLUE CLAY GRVL 0213 GREY CSND 0217
EAST GWILLIMBURY TOW YS W 01(103)	17 619595 4881753 <sup>N</sup>	1968/08 3109	30	FR 0043	018 / 002 / :0	DO		6908960 ( ) LOAM 0002 BRWN CLAY STNS 0017 CLAY STNS MSND 0042 MSND 0047

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
EAST GWILLIMBURY TOW YS W 01(103)	17 619065 4881493 <sup>N</sup>	1969/05 3109	30	FR 0038	014 / / :0	DO		6909243 () LOAM 0002 BRWN CLAY 0018 BLUE CLAY STNS 0038 GRVL 0040
EAST GWILLIMBURY TOW YS W 01(103)	17 620765 4882173 <sup>N</sup>	1969/08 3109	30	FR 0028	012 / / :0	DO		6909504 () LOAM 0002 BRWN CLAY 0018 BLUE CLAY SILT MSND 0041
EAST GWILLIMBURY TOW YS W 01(103)	17 620375 4882063 <sup>N</sup>	1968/07 3903	06	UK 0284	194 / 240 010 / 2:0	DO	284 4	6909794 () CLAY MSND STNS 0015 BRWN MSND 0040 BLUE CLAY 0240 BRWN MSND 0258 BLUE CLAY 0284 BRWN FSND 0288
EAST GWILLIMBURY TOW YS W 01(103)	17 619055 4881513 <sup>N</sup>	1970/08 4231	30	FR 0046 0067	046 / 063 006 / 2:0	DO		6909977 () BRWN CLAY 0005 MSND 0010 BRWN CLAY 0035 BLUE CLAY 0046 BLUE CLAY MSND GRVL 0050 BLUE CLAY 0067 BLUE CLAY MSND GRVL 0070 BLUE CLAY 0078
EAST GWILLIMBURY TOW YS W 01(103)	17 620715 4882073 <sup>N</sup>	1971/07 4231	30	FR 0030 FR 0040	030 / 035 / :0	DO		6910427 () BRWN MSND 0040 BLUE CLAY MSND 0045
EAST GWILLIMBURY TOW YS W 01(103)	17 621064 4882199 <sup>N</sup>	1967/11 2310	05	FR 0319	080 / 300 004 / 2:0	DO	307 12	6900769 () GREY CLAY 0011 BLUE CLAY 0120 BLUE CLAY MSND 0160 BLUE CLAY 0319 MSND 0327
EAST GWILLIMBURY TOW YS W 01(104)	17 620516 4882205 <sup>N</sup>	1966/04 1413	05	FR 0250	165 / 190 007 / 2:30	DO		6900774 () BRWN CLAY 0018 BLUE CLAY STNS 0070 BLUE CLAY 0250 GRVL 0251
EAST GWILLIMBURY TOW YS W 01(104)	17 619371 4881781 <sup>N</sup>	1967/08 3109	30	FR 0032	012 / 002 / :0	DO		6900775 () LOAM 0002 BRWN CLAY 0014 BLUE CLAY STNS 0032 GRVL 0033 BLUE CLAY 0040
EAST GWILLIMBURY TOW YS W 01(104)	17 619570 4881849 <sup>N</sup>	1966/03 4102	30	FR 0023	006 / 005 / :0	DO		6900773 () BRWN CLAY 0004 BLUE CLAY 0023 CLAY MSND 0029
EAST GWILLIMBURY TOW YS W 01(104)	17 620095 4882066 <sup>N</sup>	1964/06 3414	04	FR 0255	206 / 245 010 / 8:0	ST DO	252 4	6900771 () PRDG 0005 BRWN MSND 0053 CLAY 0250 SILT 0253 CSND 0255 CLAY GRVL 0256
EAST GWILLIMBURY TOW YS W 01(104)	17 620497 4882175 <sup>N</sup>	1964/05 3109	30	FR 0023	028 / 001 / :0	DO		6900770 () LOAM 0001 BRWN CLAY 0023 BLUE CLAY 0040
EAST GWILLIMBURY TOW YS W 01(104)	17 620565 4882223 <sup>N</sup>	1980/08 3108	06	UK 0240	156 / 172 010 / 4:0	DO	259 3	6915529 () LOAM 0002 YLLW CLAY 0017 BLUE CLAY 0240 BLUE FSND 0252 BLUE FSND MGRD 0262
EAST GWILLIMBURY TOW YS W 01(104)	17 619405 4881814 <sup>N</sup>	1973/12 3903	04 04	UK 0470	170 / 250 006 / 4:0	DO		6911722 () BRWN CLAY STNS 0028 BLUE CLAY STNS SILT 0460 BLCK SHLE 0500
EAST GWILLIMBURY TOW 01(007)	17 621001 4881560 <sup>N</sup>	1995/01 1413	06	FR 0087	040 / 084 030 / 1:0	DO	69 15	6923010 (156295) BRWN CLAY HARD 0025 GREY CLAY HARD 0057 BRWN SAND FSND 0078 BRWN SAND CLAY 0082 BRWN SAND MSND 0087
EAST GWILLIMBURY TOW 01(101)	17 621501 4881320 <sup>N</sup>	2007/01 7219	28		005 / / :0	NU		7040997 (Z73215) A053238

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
EAST GWILLIMBURY TOW 01(101)	17 621524 4881335 <sup>N</sup>	2007/01 7219	42		007 / / :0	NU		7040995 (Z73216) A053231
EAST GWILLIMBURY TOW 01(101)	17 621473 4881312 <sup>N</sup>	2007/01 7219	24		004 / / :0	NU		7040996 (Z73218) A053235
EAST GWILLIMBURY TOW 01(101)	17 622898 4881665 <sup>N</sup>	2007/11 4102						7101693 (Z67911) 0054 CLAY FILL 0053 0014 CLAY FILL 0012
EAST GWILLIMBURY TOW 02(006)	17 623585 4881893 <sup>N</sup>	1985/11 1350	06 06	FR 0065	012 / 070 005 / 2:0	DO	65 3	6917815 () BRWN SAND CLAY 0006 YLLW CLAY 0014 GREY CLAY 0024 GREY CLAY SAND 0035 GREY CLAY BLDR 0065 GREY GRVL SAND HPAN 0081
EAST GWILLIMBURY TOW 02(006)	17 619340 4880766 <sup>N</sup>	2006/07 1350	06	FR 0151	123 / 128 012 / 1:0	DO		6930547 (Z30567) A028547 YLLW CLAY GRVL 0025 BRWN GRVL HARD 0051 GREY CLAY 0059 GREY CLAY GRVL 0070 GREY CLAY DNSE 0139 GREY GRVL SAND CLAY 0151 BRWN GRVL 0153
EAST GWILLIMBURY TOW (101)	17 621740 4881442 <sup>N</sup>	2007/05 5459	06 06	FR 0370		CO	364 6	7044444 (Z56470) A051032 BRWN CLAY STNS SOFT 0018 BRWN CLAY SILT HARD 0038 GREY CLAY SILT HARD 0081 GREY CLAY STNS DNSE 0260 BRWN SAND GRVL LOOS 0370
EAST GWILLIMBURY TOW (101)	17 621742 4881441 <sup>N</sup>	2007/05 5459	06		185 / 185 005 / 1:0	CO	345 9	7044445 (Z56473) A051031 BRWN CLAY STNS SOFT 0018 BRWN CLAY SILT HARD 0038 GREY CLAY SILT HARD 0081 GREY CLAY STNS DNSE 0260 BRWN CSND GRVL LOOS 0370
EAST GWILLIMBURY TOW ( )	17 623376 4881727 <sup>N</sup>	2010/04 6809						7155599 (M06665) A092543
EAST GWILLIMBURY TOW ( )	17 623876 4881939 <sup>N</sup>	2010/03 6809						7155598 (M06664) A092588
EAST GWILLIMBURY TOW ( )	17 621084 4882009 <sup>N</sup>	2006/06 7241	02				3 13	7107912 (Z89457) A075606 BRWN SILT SAND LOOS 0003 BRWN SILT SAND WBRG 0012 GREY SILT SAND WBRG 0016
EAST GWILLIMBURY TOW ( )	17 621108 4882006 <sup>N</sup>	2006/06 7241	02				3 13	7107911 (Z89458) A072875 BRWN SILT SAND LOOS 0003 BRWN SILT SAND WBRG 0012 GREY SILT SAND WBRG 0016
KING TOWNSHIP CON 02(008)	17 617118 4881090 <sup>N</sup>	1989/02 4919	30	UK 0005	005 / 030 005 / 1:0	DO		6920361 (47168) BRWN LOAM HARD 0001 BRWN CLAY SNDY 0060
KING TOWNSHIP CON 02(026)	17 619393 4874417 <sup>N</sup>	1967/08 4102	30	FR 0005	003 / 004 / :0	DO		6901696 () BRWN CLAY 0005 GRVL 0007 BLUE CLAY 0017
KING TOWNSHIP CON 02(026)	17 619515 4874523 <sup>N</sup>	1979/07 3108	06	UK 0144	066 / 120 010 / 1:0	DO	144 6	6915123 () LOAM 0003 BRWN SAND 0028 GREY CLAY GRVL SNDY 0143 GREY FSND 0151

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
KING TOWNSHIP CON 02(026)	17 620098 4875129 <sup>W</sup>	1967/07 3109	30	FR 0027	014 / 001 / :0	DO		6901695 ( ) LOAM 0002 CLAY MSND 0026 MSND 0032
KING TOWNSHIP CON 02(027)	17 618420 4875893 <sup>W</sup>	1988/09 1413	06	FR 0392	252 / 045 / 4:15	NU	388 4	6919866 (27558) BRWN CLAY STNS SNDY 0004 BRWN SAND CLAY PCKD 0017 BRWN SAND STNS LOOS 0023 GREY CLAY STNS PCKD 0076 GREY CLAY STNS BLDR 0117 GREY CLAY SLTY 0191 GREY CLAY DNSE 0214 GREY CLAY SOFT SLTY 0226 GREY CLAY DNSE 0334 GREY CLAY SLTY SOFT 0346 BRWN SAND LOOS 0350 GREY CLAY PCKD 0369 BRWN GRVL SAND CLN 0392 GREY CLAY PCKD 0395
KING TOWNSHIP CON 02(027)	17 618395 4875878 <sup>W</sup>	1988/09 1413	06	FR 0400	255 / 060 / 6:50	DO	390 10	6919867 (27557) BRWN CLAY STNS SNDY 0005 BRWN SAND GRVL LOOS 0018 BRWN SAND GRVL LOOS 0022 GREY CLAY STNS BLDR 0079 GREY CLAY STNS DNSE 0121 GREY CLAY STNS SLTY 0193 GREY CLAY DNSE 0344 GREY CLAY SNDY 0360 GREY CLAY DNSE 0366 GREY CLAY SILT SOFT 0386 BRWN GRVL SAND CLN 0400 GREY CLAY SILT PCKD 0466 GREY CLAY DNSE 0497 BRWN SAND PCKD 0500 GREY CLAY PCKD 0539 GREY CLAY SLTY 0572 BLCK SHLE HARD 0580
KING TOWNSHIP CON 02(027)	17 619285 4874667 <sup>U</sup>	2002/07 1413	06	FR 0551	401 / 541 040 / 1:0	DO	547 4	6926529 (241539) BRWN FILL SOFT 0010 BRWN CLAY STNS HARD 0029 GREY CLAY STNS LYRD 0082 GREY CLAY HARD DNSE 0104 GREY CLAY STNS SOFT 0158 GREY CLAY DNSE 0197 GREY FSND PCKD 0226 GREY CLAY DNSE 0248 GREY SAND SLTY DRTY 0256 GREY CLAY DNSE 0347 GREY CLAY SNDY SOFT 0366 GREY CLAY SOFT DNSE 0541 GREY FSND CGVL 0551
KING TOWNSHIP CON 02(028)	17 618368 4874765 <sup>W</sup>	1974/12 1663	05	FR 0065	020 / 065 004 / 2:30	DO	66 4	6912548 ( ) BRWN LOAM 0001 YLLW CLAY SAND STNS 0012 GREY CLAY GRVL 0065 GREY SAND GRVL 0070 BLUE CLAY 0150
KING TOWNSHIP CON 02(028)	17 619065 4875073 <sup>W</sup>	1985/10 3108	06	FR 0185	134 / 143 010 / 1:30	ST	187 6	6917727 ( ) BRWN CLAY SNDY 0060 BLUE CLAY SNDY 0125 BLUE GRVL CLAY SNDY 0148 BRWN SAND 0152 BLUE CLAY SNDY 0160 BLUE SILT FSND 0185 BLUE FSND 0190 BRWN FSND 0194
KING TOWNSHIP CON 02(028)	17 619840 4875173 <sup>W</sup>	1972/06 5459	30	FR 0006	006 / / :0	DO		6911212 ( ) LOAM 0001 BRWN SAND 0006 BLUE CLAY 0020
KING TOWNSHIP CON 02(028)	17 618515 4874873 <sup>W</sup>	1972/06 5459	30	FR 0012	004 / / :0	DO		6911213 ( ) LOAM 0001 BRWN CLAY 0012 BLUE CLAY STNS SAND 0040

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
KING TOWNSHIP CON 02(028)	17 620115 4875323 <sup>N</sup>	1976/04 2801				NU		6913812 ( ) BRWN CLAY STNS HARD 0076 GREY CLAY SNDY HARD 0106 GREY CLAY SLTY HARD 0187 GREY CLAY GRVL 0189 GREY CLAY SLTY HARD 0349 GREY CLAY SNDY GRVL 0514
KING TOWNSHIP CON 02(028)	17 620102 4875519 <sup>N</sup>	2004/09 1413	06	FR 0184	132 / 170 006 / 1:0	DO	173 14	6928352 (Z19206) A006685 BRWN CLAY DNSE 0030 GREY CLAY HARD 0040 BRWN SAND PCKD 0059 GREY SAND CLAY LYRD 0078 GREY CLAY DNSE 0168 GREY SAND FSND 0187
KING TOWNSHIP CON 02(029)	17 618596 4875440 <sup>N</sup>	1956/04 2908	02	FR 0160	160 / 180 005 / 4:0	DO	160 5	6901697 ( ) CLAY MSND 0020 FSND 0160 MSND 0180 CSND 0200
KING TOWNSHIP CON 02(029)	17 618314 4875218 <sup>N</sup>	1990/04 1350	06	FR 0135	080 / 133 004 / 1:0	ST	136 4	6920971 (74701) YLLW CLAY GRVL STNS 0022 YLLW GRVL SAND 0065 GREY CLAY GRVL 0090 GREY CLAY 0121 GREY SILT CLAY SOFT 0125 GREY CLAY 0129 GREY SILT 0134 GREY CLAY 0135 BRWN SAND 0140
KING TOWNSHIP CON 02(029)	17 619910 4875912 <sup>N</sup>	1966/04 3519	06	FR 0130	090 / 110 015 / 4:0	DO	133 4	6901698 ( ) LOAM 0002 BRWN MSND CLAY 0060 HPAN 0130 CSND 0137
KING TOWNSHIP CON 02(029)	17 620019 4875179 <sup>N</sup>	1990/07 3108	06			NU		6921147 (65392) BRWN CLAY SAND GRVL 0084 BLUE CLAY GRVL 0146 BLUE CLAY 0230 BRWN SAND 0235 BLUE CLAY GRVL 0352 GREN CLAY GRVL 0358 BLUE CLAY 0467 BLUE SAND CLAY 0475 BLUE CLAY 0498 BLUE CLAY SAND GRVL 0560
KING TOWNSHIP CON 02(029)	17 619921 4875160 <sup>N</sup>	1990/07 3108	06	FR 0421	274 / 415 008 / 5:0	DO ST	421 3	6921149 (65390) LOAM 0004 BRWN CLAY SAND 0020 BRWN CLAY 0080 SILT 0140 BLUE CLAY SILT 0330 BLUE CLAY GRVL 0390 GREN CLAY GRVL 0420 BLUE SAND FSND 0424 SILT CLAY 0460
KING TOWNSHIP CON 02(029)	17 618295 4875211 <sup>N</sup>	1990/04 1350	06			NU		6920970 (74699) YLLW CLAY STNS 0022 YLLW GRVL SAND 0040 GREY CLAY GRVL 0069 GREY CLAY 0110 GREY SILT CLAY 0124 GREY SILT 0146 GREY CLAY GRVL 0220 GREY CLAY 0358
KING TOWNSHIP CON 02(029)	17 618315 4875373 <sup>N</sup>	1978/07 3903	06	UK 0408	248 / 380 010 / 6:0	DO	410 5	6914934 ( ) BRWN CLAY SAND LYRD 0002 BRWN CLAY STNS 0068 GREY CLAY STNS 0197 GREY CLAY STNS SILT 0318 GREY CLAY DNSE 0380 GREY CLAY STNS 0408 GREY SAND GRVL HARD 0415
KING TOWNSHIP CON 02(029)	17 619133 4875463 <sup>L</sup>	1993/09 1413	06	FR 0105	056 / 090 010 / 1:0	DO	100 5	6922364 (140488) BRWN CLAY SAND PCKD 0011 GREY CLAY SOFT 0090 BRWN SAND FSND CLN 0105



TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>	WELL TAG #
KING TOWNSHIP CON 02(029)	17 620019 4875179 <sup>N</sup>	1990/06 3108	06	UK		NU DO		6921148 (65362) FILL 0002 BRWN CLAY SAND 0085 BLUE CLAY GRVL 0150 BLUE CLAY 0230 BRWN SAND CLAY 0236 BLUE CLAY GRVL 0272 GREY SAND 0276 BLUE CLAY SILT 0292 BLUE CLAY 0360	
KING TOWNSHIP CON 02(030)	17 618515 4875723 <sup>N</sup>	1981/06 3108	06	UK 0120	084 / 142 007 / 2:0	ST	143 3	6915892 () YLLW CLAY SNDY 0077 BLUE CLAY 0092 SAND 0101 BLUE CLAY SNDY 0112 SAND 0146	
KING TOWNSHIP CON 02(030)	17 619248 4876038 <sup>N</sup>	1975/06 3903	04	FR 0053	030 / 057 003 / 3:0	DO		6913248 () BRWN CLAY SAND STNS 0053 BRWN SAND STNS 0065	
KING TOWNSHIP CON 02(030)	17 618531 4875610 <sup>N</sup>	1973/07 3108	05	UK 0184	139 / 170 007 / 2:0	DO	186 3	6911565 () PRDG 0005 BRWN CLAY SAND 0071 BRWN CLAY 0083 GREY SAND 0089 GREY CLAY SAND 0164 GREY FSND 0184 GREY FSND 0189 GREY FSND 0192	
KING TOWNSHIP CON 02(030)	17 619056 4875854 <sup>L</sup>	1997/12 1350	06	MN 0183 FR	162 / 180 004 / 1:0	DO	183 6	6924223 (181078) BRWN CLAY FSND VERY 0012 YLLW CLAY 0034 BRWN CLAY FSND VERY 0104 BRWN SAND 0108 BRWN CLAY SAND 0160 BRWN CLAY 0172 BRWN SILT CLAY 0182 BRWN SAND 0189	
KING TOWNSHIP CON 02(030)	17 619056 4875854 <sup>L</sup>	1997/08 3108	06 05	FR 0464	390 / 465 005 / 3:0	DO	468 6	6924045 (166689) BRWN CLAY SAND GRVL 0070 BRWN CLAY SAND 0080 BLUE SILT 0180 BLUE SILT SAND 0196 BLUE CLAY 0444 BLUE SAND 0454 BLUE CLAY 0464 BLUE SAND 0474	
KING TOWNSHIP CON 02(030)	17 619056 4875854 <sup>L</sup>	1996/08 1350	64	FR 0050	035 / 043 015 / 1:0	DO	46 6	6923683 (163603) BRWN SAND BLDR VERY 0015 BRWN CLAY SAND GRVL 0032 BRWN CLAY 0037 GREY CLAY 0040 BRWN SAND 0056	
KING TOWNSHIP CON 02(030)	17 619078 4875964 <sup>N</sup>	1964/06 3414	04	FR 0172	126 / 136 005 / 3:0	DO	168 4	6901701 () PRDG 0060 BRWN FSND 0150 GREY SILT 0168 MSND 0172	
KING TOWNSHIP CON 02(030)	17 618965 4875862 <sup>N</sup>	1966/08 3414	04	FR 0287	215 / 245 005 / 4:0	DO	265 12	6901702 () BLDR CLAY 0027 MSND 0070 GRVL MSND 0075 SILT CLAY 0175 FSND 0201 CLAY 0275 FSND 0287	
KING TOWNSHIP CON 02(030)	17 619903 4876243 <sup>N</sup>	1990/05 1413	06 06	FR 0520	320 / 035 / 2:0	DO	513 8	6921021 (70917) BRWN SAND CLAY SNDY 0009 BRWN CLAY STNS PCKD 0036 BRWN CLAY STNS SNDY 0091 GREY CLAY PCKD 0126 GREY CLAY DNSE 0138 GREY CLAY STNS PCKD 0241 GREY CLAY SAND 0284 GREY CLAY DNSE 0318 GREY CLAY SILT 0358 BRWN SAND SILT 0374 GREY CLAY SILT 0510 GREY GRVL SAND 0520 GREY CLAY SLTY 0539	

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
KING TOWNSHIP CON 02(030)	17 619380 4876060 <sup>W</sup>	1988/05 3108	06	FR 0094	070 / 080 010 / 1:0	DO	102 9	6919597 (26283) LOAM 0002 BRWN SAND 0018 GRVL 0022 BRWN CLAY GRVL 0040 BRWN SAND 0052 BRWN CLAY SNDY GRVL 0065 BRWN SAND 0112 BLUE SAND VERY 0114
KING TOWNSHIP CON 02(030)	17 618383 4875714 <sup>W</sup>	1987/07 3108	05 06	FR 0105 FR 0140	077 / 145 015 / 2:0	DO	147 6	6918878 (13833) BRWN CLAY SNDY GRVL 0022 BRWN CLAY 0070 BLUE CLAY 0095 GREY SAND 0098 BLUE CLAY 0100 BLUE FSND 0113 BLUE CLAY SNDY 0115 GREY SAND 0154
KING TOWNSHIP CON 02(030)	17 619513 4876301 <sup>W</sup>	1962/05 4102	30	FR 0055	055 / 002 / :0	DO		6901700 () MSND 0063
KING TOWNSHIP CON 02(030)	17 619236 4876111 <sup>W</sup>	1956/01 1413	06	FR 0201	080 / 200 001 / 2:0	DO	193 8	6901699 () RED CLAY MSND 0060 MSND CLAY 0065 CLAY 0095 BLUE CLAY 0100 MSND CLAY 0165 BLUE CLAY FSND 0178 QSND 0184 FSND 0201
KING TOWNSHIP CON 02(031)	17 619237 4876241 <sup>W</sup>	1973/01 2310	05	FR 0116	100 / 120 005 / 1:0	DO	116 4	6911500 () GREY SAND CLAY 0055 GREY SAND 0115 WHIT CLAY 0116 FSND 0123
KING TOWNSHIP CON 02(031)	17 618215 4875923 <sup>W</sup>	1983/05 3108	06	FR 0152	100 / 145 010 / 3:0	DO	152 6	6916702 () BRWN LOAM SNDY 0005 YLLW CLAY GRVL 0054 BRWN FSND CLAY 0152 SAND 0159
KING TOWNSHIP CON 02(031)	17 619025 4876269 <sup>W</sup>	2002/02 3108	06 05	FR 0130	094 / 121 009 / 12:0	DO	130 14	6926336 (210863) LOAM 0002 BRWN CLAY SAND 0053 BRWN SILT CLAY 0129 BRWN SAND 0145 BRWN SAND SILT CLAY 0149 BLUE CLAY SILT 0151
KING TOWNSHIP CON 02(031)	17 619500 4875812 <sup>W</sup>	1966/03 3108	06	FR 0125	095 / 125 005 / 3:0	DO	126 4	6901705 () LOAM 0001 STNS CLAY MSND 0015 BLUE CLAY MSND 0069 FSND 0125 MSND 0130 BLUE CLAY 0132
KING TOWNSHIP CON 02(031)	17 619255 4876173 <sup>W</sup>	1971/08 3414	05	FR 0145	145 / 164 003 / 2:0	DO	169 5	6910431 () BRWN FSND 0090 MSND CLAY 0169 FSND 0174
KING TOWNSHIP CON 02(031)	17 619625 4876508 <sup>W</sup>	1948/07 2310	02	FR 0145	125 / 006 / 4:0	DO	135 8	6901704 () CLAY MSND 0135 MSND 0145
KING TOWNSHIP CON 02(031)	17 619333 4876291 <sup>W</sup>	2011/03 7108						7161867 (Z121520) A113049
KING TOWNSHIP CON 02(031)	17 619315 4876423 <sup>W</sup>	1984/08 1413	06	FR 0153	125 / 140 007 / 2:30	DO	150 3	6917196 () BRWN SAND PCKD 0125 BRWN SAND LOOS 0153
KING TOWNSHIP CON 02(031)	17 619027 4876269 <sup>W</sup>	1997/12 3108	05 06	FR 0417	268 / 400 060 / 1:0	DO	409 8	6924142 (184903) BRWN SAND 0019 BLUE CLAY SOFT 0085 BLUE CLAY GRVL 0141 SILT 0204 BLUE CLAY HARD 0356 BLUE FSND 0371 BLUE CLAY 0408 BLUE SAND 0417

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
KING TOWNSHIP CON 02(031)	17 619520 4876526 <sup>W</sup>	1948/08 2310	02	FR 0155	125 / 006 / 4:0	DO	147 8	6901703 ( ) CLAY MSND 0145 MSND 0155
KING TOWNSHIP CON 02(031)	17 619357 4876257 <sup>W</sup>	2011/03 7108						7161866 (Z121522)
KING TOWNSHIP CON 02(032)	17 618951 4876667 <sup>L</sup>	2001/11 7156	06 08 06	MN 0475	308 / 470 005 / 2:0	DO	471 4	6926127 (236585) BLCK LOAM 0001 BRWN SAND SLTY PCKD 0014 GREY CLAY SLTY SAND 0030 GREY SILT CLAY HARD 0345 GREY CLAY SILT STNS 0473 BRWN SAND GRVL HARD 0475
KING TOWNSHIP CON 02(033)	17 618363 4877251 <sup>W</sup>	1986/01 3108	06	FR 0193	139 / 190 030 / 1:0	DO	198 3	6918071 ( ) BRWN LOAM 0003 BRWN SAND 0029 BRWN CLAY SAND 0045 BLUE CLAY 0141 BLUE SAND CLAY 0150 BLUE CLAY SNDY 0193 BLUE SAND 0201
KING TOWNSHIP CON 02(034)	17 618803 4877484 <sup>L</sup>	1996/08 3108	05			NU		6923694 (156518)
KING TOWNSHIP CON 02(034)	17 618803 4877484 <sup>L</sup>	1996/08 3108	06 05	FR 0367	295 / 365 030 / 20:0	DO	370 6	6923692 (166656) BRWN SAND CLAY 0007 BRWN CLAY 0049 CLAY SAND 0077 BLUE CLAY HARD 0278 SAND 0305 SAND CLAY 0318 SAND 0417 SAND CLAY 0438
KING TOWNSHIP CON 02(034)	17 618267 4877212 <sup>W</sup>	1967/05 3519	04	FR 0200	160 / 190 010 / 6:0	DO	220 4	6901706 ( ) MSND 0020 CLAY STNS 0035 GREY CLAY 0055 BRWN SILT 0085 CLAY MSND STNS 0200 MSND 0225
KING TOWNSHIP CON 02(034)	17 618340 4877323 <sup>W</sup>	1972/08 1350	06	FR 0175	110 / 120 010 / 4:0	DO	176 3	6911099 ( ) BLCK LOAM 0001 GREY CLAY 0012 GREY SILT SAND 0027 GREY CLAY 0175 GREY SAND 0179
KING TOWNSHIP CON 02(034)	17 618803 4877484 <sup>L</sup>	1990/05 1413	06	FR 0321	221 / 010 / 4:30	DO	317 4	6921023 (70925) BRWN CLAY STNS PCKD 0013 GREY CLAY STNS PCKD 0031 GREY CLAY SAND SNDY 0045 GREY CLAY STNS PCKD 0058 GREY CLAY DNSE 0064 GREY CLAY SLTY 0117 GREY CLAY DNSE 0157 GREY CLAY SLTY 0163 GREY CLAY DNSE 0270 GREY GRVL SAND LOOS 0272 GREY CLAY STNS PCKD 0315 BRWN SAND GRVL CLN 0321
KING TOWNSHIP CON 02(034)	17 617919 4877316 <sup>W</sup>	1974/10 2310	05	FR 0200	090 / 180 005 / 1:0	DO	198 4	6912397 ( ) GREY SAND 0033 BLUE CLAY 0095 BLUE CLAY SAND 0200 GREY CSND 0205
KING TOWNSHIP CON 02(034)	17 617965 4877273 <sup>W</sup>	1978/11 1663	05	FR 0300	255 / 300 006 / 1:30	DO	302 3	6914972 ( ) BRWN SAND CLAY 0006 YLLW CLAY GRVL 0011 BRWN FSND 0032 YLLW CLAY SAND GRVL 0061 BLUE CLAY 0090 BRWN FSND 0096 BLUE CLAY 0136 GREY FSND 0168 BLUE CLAY 0228 GREY CLAY HPAN 0300 GREY SAND GRVL 0310

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
KING TOWNSHIP CON 02(034)	17 618115 4877123 <sup>W</sup>	1980/06 1350	06	FR 0221	180 / 200 015 / 1:0	DO	224 3	6915672 ( ) BRWN SAND 0028 GREY CLAY 0065 BRWN SILT SNDY 0105 GREY CLAY 0224 BRWN SAND 0229
KING TOWNSHIP CON 02(034)	17 618803 4877484 <sup>L</sup>	1998/10 5459	06	FR 0296	154 / 185 004 / 3:0	DO	296 6	6924691 (195391) BRWN CLAY SAND STNS 0021 GREY CLAY SAND STNS 0032 GREY CLAY SLTY 0087 GREY CLAY SNDY STNS 0155 GREY CLAY SLTY 0176 GREY SAND SILT 0179 GREY CLAY SAND STNS 0190 GREY SAND STNS SILT 0206 GREY CLAY SAND STNS 0295 WHIT SAND STNS CLAY 0303 GREY CLAY SLTY 0310
KING TOWNSHIP CON 02(034)	17 618155 4877198 <sup>W</sup>	1991/09 3108	06 05	FR 0284	219 / 280 012 / 6:0	DO	285 6	6921578 (74273) LOAM 0001 BRWN SAND 0015 BRWN CLAY 0036 BLUE CLAY SOFT 0163 BLUE CLAY GRVL 0220 SAND FSND 0231 BLUE CLAY GRVL 0269 GRVL 0272 BLUE SAND CLAY FSND 0284 BLUE SAND 0292
KING TOWNSHIP CON 02(035)	17 618416 4877951 <sup>W</sup>	1965/05 3414	04	FR 0199	140 / 180 003 / 5:0	DO	195 4	6901707 ( ) SILT 0006 CLAY 0040 SILT 0125 CLAY 0165 SILT 0197 CSND 0199
KING TOWNSHIP CON 02(035)	17 618055 4877603 <sup>W</sup>	1968/07 1413	05	FR 0256	151 / 152 010 / 2:0	DO	248 4 252 4	6908730 ( ) MSND 0018 BLUE CLAY 0037 MSND 0061 BLUE CLAY SILT 0084 QSND 0088 BLUE CLAY 0244 BLCK MSND GRVL 0256
KING TOWNSHIP CON 02(035)	17 618731 4877897 <sup>L</sup>	1992/06 3414	06 06	FR 0226	187 / 190 008 / 24:0	DO	236 4	6921957 (095219) BRWN CLAY SAND 0004 BRWN SAND 0011 BLUE SAND 0082 GRVL 0083 HPAN 0218 FSND 0224 CLAY 0226 GRVL SAND 0240
KING TOWNSHIP CON 02(035)	17 618025 4877643 <sup>W</sup>	1994/08 1413	06 06 06	FR 0365	280 / 320 030 / 2:0	DO	355 6	6922781 (140575) RED SAND PCKD 0004 BRWN SAND PCKD 0017 BRWN CLAY HARD 0090 BRWN SAND PCKD 0130 GREY CLAY DNSE 0350 GREY SAND SILT CSND 0365
KING TOWNSHIP CON 02(035)	17 619665 4878173 <sup>W</sup>	1970/03 4231	30	FR 0053	050 / 057 003 / 1:0	DO		6909827 ( ) LOAM 0003 BRWN CLAY 0020 BLUE CLAY 0053 BLUE GRVL MSND 0055 BLUE CLAY GRVL MSND 0062
KING TOWNSHIP CON 02(035)	17 618805 4877893 <sup>W</sup>	1971/06 2310	04	FR 0329	150 / 160 008 / 1:30	DO	336 6 342 6	6910380 ( ) GREY CLAY MSND BLDR 0020 GREY MSND CLAY 0083 BLUE CLAY 0290 BLUE CLAY SILT 0324 GREY MSND CLAY 0329 GREY MSND 0348
KING TOWNSHIP CON 02(035)	17 619375 4878173 <sup>W</sup>	1971/08 1350	06	FR 0053	008 / 035 008 / 30:0	ST DO		6910539 ( ) LOAM 0001 YLLW CLAY 0005 BLUE CLAY BLDR GRVL 0053 GREY GRVL CSND 0054
KING TOWNSHIP CON 02(035)	17 618315 4877773 <sup>W</sup>	1978/09 4006	05	FR 0250 FR 0109 FR 0230	109 / 345 012 / 4:0	DO	299 12	6914886 ( ) BRWN CLAY SAND STNS 0015 GREY CLAY STNS SAND 0382

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>	WELL TAG #
KING TOWNSHIP CON 02(035)	17 617628 4877943 <sup>N</sup>	1989/01 5206	06	FR 0320	138 / 160 040 / 21:0	DO	326 4	6920489 (49149) BRWN SAND 0028 BRWN CLAY 0067 BLUE CLAY 0070 BLUE CLAY 0154 GREY SILT 0322 SAND GRVL 0330	
KING TOWNSHIP CON 02(035)	17 618731 4877897 <sup>L</sup>	1991/10 5528	05 06 05	FR 0270 FR 0200	226 / 270 010 / 4:0	DO	277 6	6921675 (105665) BRWN CLAY 0012 GREY CLAY SILT 0038 BRWN SAND VERY FSND 0095 GREY CLAY 0176 GREY SAND 0201 GREY CLAY 0270 GREY SAND GRVL 0285 GREY CLAY 0288	
KING TOWNSHIP CON 03(027)	17 618126 4874482 <sup>N</sup>	1956/10 1622	04	FR 0098	010 / 048 012 / 26:0	ST DO	90 6	6901785 () LOAM 0001 CLAY STNS 0022 MSND 0030 MSND CLAY STNS 0065 CSND 0090 GRVL 0098	
KING TOWNSHIP CON 03(028)	17 618082 4874676 <sup>N</sup>	1959/03 4102	34	FR 0024	015 / 025 010 / 2:0	ST		6901786 () BLUE CLAY 0024 BLUE CLAY GRVL 0030	
KING TOWNSHIP CON 03(029)	17 617831 4875073 <sup>N</sup>	1953/06 3107	06 02					6901787 () MSND STNS 0040 MSND BLDR 0048 BLUE CLAY 0060 QSND 0070 BLUE CLAY 0248	
KING TOWNSHIP CON 03(029)	17 618015 4874973 <sup>N</sup>	1985/08 3108	06	FR 0145	082 / 140 010 / 3:0	DO	151 3	6917672 () YLLW CLAY GRVL STNS 0028 YLLW CLAY SNDY 0068 YLLW SAND 0082 BLUE CLAY 0095 BLUE CLAY SNDY 0142 BLUE FSND 0154	
KING TOWNSHIP CON 03(030)	17 617589 4875342 <sup>N</sup>	2010/11 7088						7162539 (Z120507) A089492	
KING TOWNSHIP CON 03(030)	17 617870 4875393 <sup>N</sup>	1986/08 1663	06	FR 0135	081 / 140 005 / 2:0	DO	144 3	6918476 (07275) BRWN CLAY GRVL 0023 BRWN FSND 0026 BRWN CLAY 0066 BLUE CLAY 0094 GREY FSND SILT CLAY 0134 GREY FSND SILT 0147 BLUE CLAY 0165	
KING TOWNSHIP CON 03(030)	17 617109 4875217 <sup>L</sup>	2002/04 6915	06	FR 0310	230 / 280 010 / 1:0	DO	295 9	6926490 (240656) BRWN SAND STNS 0045 BLUE CLAY STNS LYRD 0250 BLUE CLAY SILT 0299 BRWN SAND CLAY SILT 0310	
KING TOWNSHIP CON 03(030)	17 617103 4875388 <sup>N</sup>	1975/07 1350	06	FR 0281	165 / 190 010 / 3:0	ST DO	282 3	6912837 () BRWN SAND GRVL 0007 GREY CLAY 0029 GREY SILT CLAY 0045 GREY CLAY 0096 GREY GRVL 0097 GREY CLAY 0281 GREY SAND 0285	
KING TOWNSHIP CON 03(030)	17 619571 4876249 <sup>N</sup>	1989/07 1663	06	FR 0316	269 / 326 018 / 2:0	DO	329 10	6921102 (26943) BRWN LOAM 0003 BRWN CLAY GRVL 0005 BRWN SAND GRVL 0015 BRWN CLAY GRVL SAND 0026 BLUE CLAY SOFT 0073 GREY SAND FSND 0090 BLUE CLAY SAND 0105 BLUE CLAY 0146 BLUE CLAY SAND 0180 BLUE CLAY 0316 GREY SAND GRVL CSND 0364 BLUE CLAY 0365	

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
KING TOWNSHIP CON 03(030)	17 618060 4875728 <sup>N</sup>	2004/06 1737		FR 0148	023 / 040 023 / 1:0	DO	148 -11	6928140 (Z11586) A011523 BRWN SAND 0024 GREY SILT CLAY HARD 0131 GREY SAND 0155 GREY CLAY HARD 0165
KING TOWNSHIP CON 03(030)	17 617110 4875217 <sup>L</sup>	2003/04 1350	06	FR 0320	248 / 290 010 / 2:0	DO	318 3	6926999 (246591) BRWN SAND GRVL 0047 GREY CLAY 0142 BRWN SAND SILT 0146 GREY CLAY 0185 GREY CLAY SAND 0260 GREY CLAY SILT 0316 BRWN GRVL SAND 0320
KING TOWNSHIP CON 03(031)	17 617940 4876081 <sup>N</sup>	1962/05 4102	30	FR 0035	030 / 002 / :0	DO		6901794 () BLUE CLAY 0035 CLAY MSND 0050
KING TOWNSHIP CON 03(031)	17 617177 4875553 <sup>N</sup>	1961/06 2310	02	FR 0027	014 / 008 / 2:0	DO	27 4	6901793 () LOAM 0002 CLAY GRVL 0020 GRVL MSND CLAY 0028 MSND 0032
KING TOWNSHIP CON 03(031)	17 617829 4875794 <sup>N</sup>	1957/07 1622	04	FR 0055		DO		6901792 () LOAM 0001 CLAY 0018 FSND 0055
KING TOWNSHIP CON 03(031)	17 617859 4875809 <sup>N</sup>	1956/09 2314	04	FR 0042	010 / 032 006 / 12:0	DO	40 3	6901791 () MSND 0042 GRVL 0043
KING TOWNSHIP CON 03(031)	17 617968 4875861 <sup>N</sup>	1956/09 2314	04					6901790 () PRDG 0030 MSND 0100 QSND 0130 BLUE CLAY 0185
KING TOWNSHIP CON 03(031)	17 617834 4875650 <sup>N</sup>	1990/08 1663						6921470 (81239) BRWN LOAM 0001 BRWN SAND 0003 BRWN CLAY GRVL 0012 BRWN SAND CLAY 0027 BRWN CLAY GRVL SAND 0043 BLUE CLAY SAND 0132 GREY SAND SILT CLAY 0153 BLUE CLAY SAND SILT 0168 BLUE CLAY SAND GRVL 0439 GREY SAND SILT CLAY 0488
KING TOWNSHIP CON 03(031)	17 617232 4875503 <sup>N</sup>	1990/08 1663	06	FR 0137	116 / 146 003 / 3:0	DO	149 5	6921471 (79199) BRWN LOAM 0001 BRWN SAND GRVL 0004 BRWN SAND CLAY 0021 BRWN CLAY SAND 0043 BLUE CLAY 0049 GREY SILT CLAY 0087 BLUE CLAY 0137 GREY SAND SILT 0155 BLUE CLAY SILT 0163
KING TOWNSHIP CON 03(031)	17 617236 4875795 <sup>N</sup>	1973/06 3414	50 30	FR 0070	005 / / :0	DO		6911412 () LOAM 0001 BRWN SAND BLDR 0026 GREY CLAY GRVL 0065 GREY SAND 0070
KING TOWNSHIP CON 03(031)	17 617236 4875790 <sup>N</sup>	1973/05 3414	06	FR 0015 FR 0070	002 / / :0			6911411 () LOAM 0001 BRWN SAND BLDR 0026 GREY CLAY GRVL 0065 GREY SAND 0070 GREY CLAY 0250
KING TOWNSHIP CON 03(032)	17 617481 4876269 <sup>N</sup>	1952/07 2801	06					6901796 () LOAM 0004 BRWN CLAY GRVL MSND 0009 BLUE CLAY 0030 BLUE CLAY BLDR 0084 CLAY MSND 0097 CLAY GRVL 0134 CLAY GRVL BLDR 0149 BLUE CLAY BLDR 0215 BLUE CLAY 0265 CLAY GRVL 0275 HPAN 0302



TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
KING TOWNSHIP CON 03(032)	17 616957 4876027 <sup>u</sup>	1989/08 4919	30 30	UK 0050	020 / 040 / 1:0	DO		6920711 (62499) BRWN LOAM HARD 0001 BRWN SAND HARD 0040 GREY CLAY SAND PCKD 0073
KING TOWNSHIP CON 03(034)	17 617621 4876937 <sup>w</sup>	1952/07 2801	06					6901795 () LOAM 0004 CLAY GRVL BLDR 0030 CLAY 0086 CLAY GRVL 0229 GRVL CLAY 0251 HPAN 0252 CLAY GRVL 0256 HPAN GRVL 0266 HPAN 0277 CLAY GRVL HPAN 0286 HPAN 0291
KING TOWNSHIP CON 03(035)	17 616870 4877255 <sup>w</sup>	1964/08 4610	05	FR 0226	122 / 123 015 / 6:0	DO	246 3	6901802 () BRWN MSND 0008 BRWN MSND CLAY 0032 BLUE CLAY STNS 0226 BRWN MSND 0231 BLUE MSND 0252
KING TOWNSHIP CON 03(035)	17 617408 4877544 <sup>w</sup>	1996/08 1413	06	FR 0345	236 / 330 030 / 1:0	DO	338 7	6923673 (166613) BRWN SAND PCKD 0060 GREY CLAY DNSE 0217 GREY GRVL CGVL 0277 GREY CLAY STNS HARD 0333 BRWN FSND FGVL 0345
KING TOWNSHIP CON 03(035)	17 617083 4877399 <sup>w</sup>	1952/11 3107	04	FR 0225	180 / 180 004 / :0	DO		6901800 () YLLW MSND 0006 MSND 0060 GRVL 0091 MSND 0096 LMSN SHLE 0110 FSND 0120 BLUE CLAY STNS 0170 BLCK GRVL 0195 BLUE CLAY 0210 BLUE CLAY STNS 0225 GRVL 0230
KING TOWNSHIP CON 03(035)	17 617093 4877399 <sup>w</sup>	1952/08 4521	02					6901799 () CSND 0080
KING TOWNSHIP CON 03(035)	17 617525 4877698 <sup>w</sup>	1967/05 3519	04	FR 0261	070 / 210 025 / 6:0	DO	263 4	6901803 () LOAM 0002 CLAY STNS 0150 WHIT CLAY 0220 HPAN 0255 WHIT CLAY 0261 WHIT CSND 0267
KING TOWNSHIP CON 03(035)	17 616865 4877173 <sup>w</sup>	1979/08 3108	06	UK 0230	108 / 230 007 / 3:0	DO	232 6	6915117 () BRWN SAND 0013 BRWN CLAY 0028 BRWN CLAY SNDY 0037 BLUE CLAY 0124 GREY CLAY 0172 GREY SAND 0184 GREY CLAY SNDY 0227 GREY SAND 0238
KING TOWNSHIP CON 03(035)	17 617134 4877386 <sup>w</sup>	1973/12 1663	05	FR 0265	168 / 270 010 / 3:0	ST DO	270 7	6911884 () BRWN SAND CLAY 0014 BLUE CLAY STNS 0040 GREY SAND GRVL CLAY 0058 BLUE CLAY GRVL 0120 BLUE CLAY GRVL 0200 GREY GRVL CLAY 0206 BLUE CLAY 0265 GREY GRVL SAND 0278 BLUE CLAY 0292 GREY GRVL CLAY SAND 0364 BLUE CLAY 0412
KING TOWNSHIP CON 03(035)	17 617235 4877596 <sup>w</sup>	1962/10 4102	30	FR 0020	020 / 002 / :0	DO		6901801 () MSND 0040
KING TOWNSHIP CON 03(035)	17 617145 4877523 <sup>w</sup>	1971/06 3414	06	FR 0271 FR 0275	119 / 157 008 / 1:0	DO	272 3	6910302 () LOAM 0001 BRWN MSND 0007 BLUE CLAY 0123 CLAY GRVL 0150 GREY SILT 0160 GREY CLAY SILT 0210 BRWN MSND 0230 CLAY GRVL 0271 GREY CSND 0275

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
KING TOWNSHIP CON 03(035)	17 617408 4877544 <sup>N</sup>	1996/09 1413	06			NU		6923710 (166616) GREY CLAY 0015 GREY FILL 0215 GREY UNKN 0222 GREY SAND 0226
KING TOWNSHIP CON 04(006)	17 617188 4880346 <sup>N</sup>	1991/11 4919	30	UK 0010	010 / 030 010 / 1:0	DO		6921760 (77330) BRWN LOAM 0001 BRWN SAND 0020 GREY CLAY 0050
KING TOWNSHIP OS 02(001)	17 618415 4878123 <sup>N</sup>	1976/04 2801				NU		6913933 () BRWN CLAY 0028 GREY CLAY 0149 GREY CLAY SNDY GRVL 0160 GREY CLAY SAND GRVL 0206 GRVL SAND BLDR 0218 SAND GRVL 0221 GREY CLAY GRVL LYRD 0230 SAND GRVL CMTD 0232 GRVL SAND CLAY 0239 GREY CLAY HARD 0241 GREY CLAY GRVL HARD 0296 SAND GRVL CMTD 0298 GREY CLAY GRVL LYRD 0395 BRWN CLAY SHLE HARD 0405 BLCK SHLE 0409
KING TOWNSHIP OS 02(001)	17 618648 4878301 <sup>L</sup>	2001/10 1350	06	FR 0233	161 / 195 015 / 1:0	DO	230 3	6926047 (227325) BRWN LOAM 0001 YLLW CLAY 0014 BRWN SAND GRVL 0029 GREY CLAY GRVL 0096 GREY CLAY 0155 GREY SAND CLAY 0177 GREY CLAY 0198 BRWN CLAY SAND 0216 BRWN SILT SAND 0230 BLCK SAND 0233
KING TOWNSHIP OS 02(001)	17 617826 4878070 <sup>N</sup>	1975/10 3108	06	UK 0172	086 / 172 004 / 7:0	DO	172 3	6913000 () PRDG 0014 BRWN CLAY SAND 0024 BLUE CLAY SAND 0034 BLUE CLAY GRVL 0123 BLUE CLAY 0162 BLUE CLAY SAND 0172 BLUE GRVL SAND 0175
KING TOWNSHIP OS 02(001)	17 618651 4878302 <sup>L</sup>	1970/03 3519	04	FR 0300	140 / 250 005 / 48:0	DO	321 4	6909929 () BLCK LOAM 0002 GREY CLAY STNS 0020 BRWN SILT 0060 GRVL 0075 GREY CLAY STNS 0195 GREY CLAY 0300 GREY QSND 0310 MSND GRVL 0325
KING TOWNSHIP OS 02(001)	17 619187 4878430 <sup>N</sup>	1999/09 1350	06	FR 0067	021 / 057 005 / 1:30	DO	62 5	6924979 (200780) BRWN LOAM 0001 YLLW CLAY GRVL 0021 GREY CLAY GRVL SAND 0053 GREY CLAY 0062 BRWN GRVL SAND 0067
KING TOWNSHIP OS 02(001)	17 619415 4878523 <sup>N</sup>	1984/06 2407	06	FR 0264	032 / 202 017 / 12:0	DO	262 5	6917319 () LOAM 0003 GREY HPAN STNS 0062 BLUE SAND CLAY HARD 0131 BLUE CLAY SAND 0182 BLUE CLAY SOFT 0264 BRWN CSND 0269
KING TOWNSHIP OS 02(001)	17 618648 4878301 <sup>L</sup>	2001/05 1350	06	FR 0226	120 / 198 003 / 5:0	DO	226 4	6925818 (227291) BRWN CLAY 0018 GREY CLAY GRVL 0035 GREY CLAY 0110 WHIT CLAY 0143 GREY CLAY SILT 0150 BRWN SILT GRVL 0154 GREY CLAY 0198 GREY SILT 0220 BRWN GRVL CLAY SILT 0225 BRWN SAND 0230
KING TOWNSHIP OS 02(001)	17 619445 4878623 <sup>N</sup>	1972/04 2310	05	FR 0097	067 / 100 012 / 2:30	DO	96 9	6910910 () GREY CLAY 0017 BLUE CLAY 0035 BLUE CLAY SAND 0053 BLUE CLAY GRVL 0097 GREY SAND GRVL 0106

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
KING TOWNSHIP OS 02(001)	17 618425 4877590 <sup>N</sup>	1988/04 2214	30	FR 0025	025 / 016 006 / 1:0	DO		6919500 (25275) BLCK LOAM 0001 BRWN SAND 0008 BRWN SAND SILT PCKD 0025 BRWN SAND WBRG 0026 BRWN CLAY SLTY HARD 0035 BLCK SAND CSND WBRG 0038 BRWN CLAY SLTY HARD 0039
KING TOWNSHIP OS 02(001)	17 618651 4878302 <sup>L</sup>	1987/01 1350	06	FR 0145	095 / 140 008 / 2:0	DO	145 6	6918432 (06935) GREY CLAY 0007 BRWN SAND GRVL 0012 GREY CLAY 0040 GREY SILT CLAY SOFT 0072 GREY CLAY 0145 BRWN SAND 0151
KING TOWNSHIP OS 02(001)	17 618651 4878302 <sup>L</sup>	1990/11 3108	06 05	FR 0234	120 / 242 020 / 3:0	DO	235 6	6921296 (74218) FILL 0003 BLCK MUCK 0005 BRWN CLAY SNDY GRVL 0009 BRWN CLAY GRVL 0018 BLUE CLAY GRVL HARD 0108 BLUE CLAY SAND SOFT 0122 BLUE CLAY GRVL HARD 0149 BLUE CLAY SAND 0156 BLUE CLAY GRVL SAND 0234 BLUE SAND 0242
KING TOWNSHIP OS 02(001)	17 619109 4878447 <sup>N</sup>	1958/10 2310	04	FR 0063	020 / 020 006 / 1:0	ST DO		6902648 ( ) MSND CLAY 0063 MSND 0066
KING TOWNSHIP OS 02(001)	17 619196 4878414 <sup>N</sup>	1985/09 4919	30 30	UK 0040 UK 0060	020 / 075 / :30	DO		6917965 ( ) BRWN LOAM HARD 0001 BRWN CLAY HARD 0020 GREY SNDY LYRD 0080
KING TOWNSHIP OS 02(002)	17 617381 4878216 <sup>N</sup>	2000/03 1350	06	FR 0180	150 / 162 010 / 1:0		174 6	6925280 (215298) BRWN SAND 0006 YLLW CLAY GRVL SAND 0090 BRWN CLAY SAND 0098 BRWN CLAY GRVL 0100 GREY CLAY 0110 GREY CLAY 0165 GREY CLAY 0174 BRWN SAND 0180
KING TOWNSHIP OS 02(003)	17 618489 4879103 <sup>L</sup>	2002/07 3406	02	UK 0149		NU	152 10	6926874 (236998) BLCK LOAM 0002 YLLW CLAY STNS 0018 BRWN CLAY GRVL SNDY 0027 GREY CLAY SLTY FGVL 0149 GREY CLAY SAND LYRD 0163 GREY CLAY SLTY FGVL 0170
KING TOWNSHIP OS 02(003)	17 618489 4879103 <sup>L</sup>	2001/08 3406	06 06	UK 0097	023 / / :0	NU	112 10	6926887 (236956) YLLW CLAY STNS 0013 GREY SILT SAND CLAY 0017 GREY CLAY GRVL 0097 GREY SAND SILT UNKN 0100 GREY CLAY STNS 0111 BRWN FSND 0126 GREY SAND CLAY 0143 GREY CLAY GRVL SAND 0146 GREY CLAY STNS 0155
KING TOWNSHIP OS 02(003)	17 617552 4878966 <sup>N</sup>	1974/07 4102	05	FR 0090	/ 072 005 / 1:30	DO	92 6	6912522 ( ) LOAM 0003 GREY CLAY SAND 0047 GREY SILT 0090 GREY FSND 0098
KING TOWNSHIP OS 02(004)	17 619463 4879404 <sup>N</sup>	1993/11 1413				ST DO		6922466 (140499) BRWN CLAY STNS HARD 0035 GREY CLAY STNS HARD 0128 GREY GRVL CGVL 0140 GREY CLAY SILT LYRD 0194 GREY SILT SOFT 0206

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
KING TOWNSHIP OS 02(004)	17 619463 4879404 <sup>W</sup>	1993/11 1413				DO ST		6922465 (140498) BRWN CLAY STNS BLDR 0035 GREY CLAY STNS BLDR 0125 GREY SAND FSND 0128 GREY GRVL CGVL 0140 GREY CLAY SILT HARD 0194 GREY SILT SOFT 0215 GREY CLAY DNSE 0260 GREY CLAY STNS HARD 0284 GREY GRVL CLAY CMTD 0287 GREY CLAY SILT HARD 0410 GREY CLAY STNS HARD 0462 BLCK SHLE HARD 0470
KING TOWNSHIP OS 02(004)	17 619221 4879906 <sup>W</sup>	1961/04 1413	06	FR 0145	122 / 126 050 / 4:0	ST DO	137 8	6902652 () CLAY 0035 HPAN BLDR 0128 GRVL 0130 MSND GRVL 0145
KING TOWNSHIP OS 02(004)	17 619161 4879850 <sup>W</sup>	1953/11 1413	06	FR 0136	116 / 120 004 / 1:0	DO ST		6902651 () CLAY 0012 HPAN 0035 SILT 0042 BLUE CLAY STNS 0110 BLUE CLAY 0130 CSND GRVL 0136
KING TOWNSHIP OS 02(004)	17 619153 4879750 <sup>W</sup>	1950/08 1413	05	FR 0138	110 / 118 004 / 2:0	ST DO		6902650 () CLAY 0010 CLAY BLDR 0050 BLUE CLAY 0110 MSND GRVL 0138
KING TOWNSHIP OS 02(004)	17 619199 4879976 <sup>W</sup>	1948/09 3560	06 06	FR 0171	040 / 003 / 48:0	DO ST		6902649 () CLAY STNS 0108 YLLW MSND 0130 CLAY 0134 CLAY MSND 0150 STNS 0152 CLAY MSND 0170 CSND 0171
KING TOWNSHIP OS 02(004)	17 618410 4879503 <sup>L</sup>	2003/03 3406	02	UK 0085		NU	80 10	6926886 (236995) LOAM 0001 YLLW CLAY 0012 YLLW CLAY STNS 0026 GREY CLAY STNS 0085 GREY CLAY GRVL 0090 GREY CLAY 0091
KING TOWNSHIP OS 02(004)	17 618410 4879503 <sup>L</sup>	2003/03 3406	02	UK 0209 UK 0133 UK 0157		NU	247 10	6926885 (236983) LOAM 0001 BRWN CLAY SILT GRVL 0034 GREY CLAY GRVL SAND 0133 GREY CLAY SILT GRVL 0152 GREY CLAY 0157 GREY CLAY SILT 0209 GREY CLAY SAND GRVL 0279
KING TOWNSHIP OS 02(004)	17 618410 4879503 <sup>L</sup>	2003/03 3406	02	UK 0063		NU	66 10	6926884 (236984) LOAM 0001 YLLW CLAY SILT 0017 YLLW CLAY SILT STNS 0029 BLDR 0030 YLLW CLAY SILT STNS 0048 GREY CLAY SILT 0051 GREY CLAY SILT SAND 0063 SAND GRVL 0076 GREY CLAY 0078
KING TOWNSHIP OS 02(004)	17 618410 4879503 <sup>L</sup>	2003/03 3406	02	UK 0175		NU	185 10	6926883 (236985) LOAM 0001 BRWN SAND CLAY 0024 GREY CLAY GRVL 0127 GREY CLAY 0147 GREY CLAY SILT 0175 GREY SAND 0183 GREY CLAY 0185 BRWN SAND 0197
KING TOWNSHIP OS 02(004)	17 618410 4879503 <sup>L</sup>	2003/03 3406	02	UK 0147		NU	308 10	6926882 (236986) LOAM 0001 BRWN SAND CLAY 0024 GREY CLAY GRVL 0127 GREY CLAY 0147 GREY CLAY SILT 0175 GREY SAND 0183 BRWN SAND 0197 GREY CLAY GRVL SAND 0308 GREY CLAY GRVL 0317 GREY CLAY 0318

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
KING TOWNSHIP OS 02(004)	17 618410 4879503 <sup>d</sup>	2003/03 3406	02	UK 0112		NU	123 10	6926881 (236987) LOAM 0001 YLLW CLAY 0021 YLLW CLAY GRVL 0039 BRWN CLAY STNS 0049 GRVL CLAY 0054 GREY CLAY SILT 0056 GREY CLAY GRVL 0060 GREY CLAY SILT 0123 GREY CLAY SILT 0125
KING TOWNSHIP OS 02(004)	17 618410 4879503 <sup>d</sup>	2001/10 3406	02	UK 0121 UK 0258		NU		6926880 (236988) LOAM 0001 YLLW CLAY 0018 YLLW SAND CLAY STNS 0025 GREY CLAY SAND 0062 GREY CLAY 0121 GREY CLAY STNS 0127 GREY CLAY 0159 GREY CLAY SAND GRVL 0190 GREY CLAY GRVL 0258 GREY CLAY SAND LYRD 0266 GREY CLAY 0270
KING TOWNSHIP OS 02(004)	17 618410 4879503 <sup>d</sup>	2001/08 3406	02	UK 0097 UK 0189		NU	189 10	6926879 (236970) LOAM 0001 YLLW CLAY 0018 GREY CLAY 0097 SAND UNKN 0112 GREY CLAY 0126 GREY CLAY GRVL 0189 GRVL CLAY 0205
KING TOWNSHIP OS 02(004)	17 618410 4879503 <sup>d</sup>	2002/08 3406	02	UK 0114	/ / 2:0		125 10	6926878 (237009) BLCK LOAM 0002 YLLW CLAY FGVL 0015 GREY CLAY GRVL SLTY 0049 GREY STNS 0114 BRWN SAND SLTY 0121 GREY CLAY GRVL LYRD 0137 GREY CLAY 0138
KING TOWNSHIP OS 02(004)	17 618410 4879503 <sup>d</sup>	2002/08 3406	02	UK 0052	/ / 1:15			6926877 (237003) BLCK LOAM 0003 YLLW CLAY STNS GRNT 0028 GREY CLAY SILT 0042 BLCK BLDR GRNT 0052 BRWN GRVL CSND 0071 GREY CLAY SOFT 0075
KING TOWNSHIP OS 02(004)	17 618410 4879503 <sup>d</sup>	2002/05 3406	02	UK 0092		NU	99 10	6926876 (236990) LOAM 0001 YLLW CLAY SAND 0014 BRWN SAND 0037 GREY CLAY 0064 BLDR CLAY 0092 GREY CLAY SILT LYRD 0110
KING TOWNSHIP OS 02(004)	17 618410 4879503 <sup>d</sup>	2002/05 3406	02	UK 0111		NU	111 10	6926875 (236989) LOAM 0001 YLLW CLAY SILT 0026 GREY CLAY STNS 0086 GRVL CLAY STNS 0089 GREY CLAY SILT STNS 0095 GREY CLAY SILT LYRD 0103 GREY CLAY SILT FSND 0111 BRWN SAND 0121 BRWN CLAY 0138
KING TOWNSHIP OS 02(004)	17 618410 4879503 <sup>d</sup>	2002/10 3406	02	UK 0160		NU	167 10	6926873 (237007) BLCK LOAM 0002 YLLW CLAY STNS 0018 BRWN CLAY SAND GRVL 0032 GREY SAND CLAY 0071 GREY CLAY DNSE 0116 GREY SAND SILT 0121 GREY CLAY SILT LYRD 0135 GREY CLAY DNSE 0156 GREY SAND SILT 0160 GREY SAND 0180
KING TOWNSHIP OS 02(004)	17 618410 4879503 <sup>d</sup>	2002/07 3406	02				119 10	6926872 (237014) BLCK LOAM LOOS 0002 BRWN CLAY STNS 0018 GREY CLAY FSND CMTD 0032 GREY CLAY FGVL SNDY 0071 GREY CLAY DNSE 0116 GREY SILT SAND CLAY 0135

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
KING TOWNSHIP OS 02(004)	17 618410 4879503 <sup>u</sup>	2002/08 3406	02		/ 003 / 1:0		156 10	6926871 (237013) BLCK LOAM 0002 BRWN CLAY GRVL 0063 GREY CLAY SILT GRVL 0117 BRWN GRVL CLAY IRFM 0127 BRWN GRVL SAND SNDY 0141 BRWN GRVL SAND CMTD 0146 BRWN FSND BLDR CMTD 0157
KING TOWNSHIP OS 02(004)	17 618410 4879503 <sup>u</sup>	2002/05 3406	02	UK 0074		NU	76 10	6926869 (236993) LOAM 0001 YLLW CLAY STNS 0017 BRWN CLAY SAND STNS 0038 BRWN SAND GRVL CMTD 0041 BRWN CLAY STNS 0050 BRWN SAND CGVL 0058 BRWN SAND SILT 0074 BRWN SAND GRVL CMTD 0087 GREY CLAY 0088
KING TOWNSHIP OS 02(004)	17 618410 4879503 <sup>u</sup>	2002/05 3406	02	UK 0166		NU		6926870 (236994) LOAM 0001 YLLW CLAY STNS 0017 BRWN CLAY SAND STNS 0050 BRWN SAND CGVL 0058 BRWN SILT SAND 0074 BRWN GRVL SAND CMTD 0102 GREY SILT 0148 GREY CLAY 0166 GRVL SAND 0178 GREY CLAY 0179
KING TOWNSHIP OS 02(006)	17 619015 4880533 <sup>w</sup>	1968/07 3108	07	FR 0129	073 / 127 005 / 2:0	DO	131 3	6909024 () FILL 0002 BLUE CLAY STNS 0065 BLUE CLAY 0115 CLAY GRVL 0129 CSND 0134
KING TOWNSHIP OS 02(006)	17 618840 4880378 <sup>w</sup>	1997/07 1350	06	FR MN 0094	050 / 090 004 / 2:0	DO	91 6	6923966 (181049) BRWN CLAY SAND 0028 BRWN GRVL SAND 0031 BRWN CLAY GRVL 0058 BRWN SILT SAND 0062 BRWN CLAY SAND LYRD 0073 GREY CLAY 0092 BRWN SAND 0100
KING TOWNSHIP OS 02(006)	17 618615 4880573 <sup>w</sup>	1981/06 3108	06	UK 0160	068 / 160 100 / 0:30	DO	167 4	6915890 () LOAM 0002 BRWN CLAY 0040 GREY CLAY 0083 BLUE CLAY GVLY SNDY 0116 GRVL SAND CLAY 0127 BLUE SILT CLAY 0160 BLUE CSND 0171
KING TOWNSHIP OS 02(007)	17 618605 4880763 <sup>w</sup>	1971/12 4539		FR 0156 FR 0162	061 / 081 012 / 1:30	DO		6910703 () PRDG 0005 BRWN CLAY STNS 0055 BLUE CLAY STNS 0120 BLUE CLAY 0156 GREY CSND 0162
KING TOWNSHIP OS 02(008)	17 618865 4881473 <sup>w</sup>	1958/07 1413	06	FR 0121	070 / 080 007 / 3:0	ST DO		6900093 () PRDG 0057 HPAN STNS 0111 GRVL MSND 0121
KING TOWNSHIP OS 02(008)	17 618738 4881491 <sup>w</sup>	1999/12 6300	05 06	FR	127 / 030 / 10:0	DO	164 4	6925281 (212390) LOAM 0002 BRWN CLAY 0024 BLUE CLAY 0162 BLUE SAND 0168 BLUE SAND 0173 SILT 0180
KING TOWNSHIP OS 02(008)	17 619082 4881350 <sup>w</sup>	1985/11 4919	30	UK 0010	010 / 030 / :30	DO		6918021 () BRWN LOAM HARD 0001 BRWN CLAY SAND LYRD 0034
KING TOWNSHIP OS 02(008)	17 618864 4881586 <sup>w</sup>	1974/12 1413	06					6912389 () BRWN CLAY STNS 0015 BLUE CLAY STNS 0050 BRWN CLAY STNS 0080 BLUE CLAY SILT 0360



TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
KING TOWNSHIP OS 02(008)	17 618765 4881523 <sup>N</sup>	1977/12 3413	36	FR 0009 FR 0027	004 / 015 005 / 4:0	DO		6914499 ( ) CLAY 0007 GRVL 0009 CLAY 0027 GRVL 0029 CLAY 0032
KING TOWNSHIP OS 02(009)	17 617206 4881090 <sup>N</sup>	2009/10 7147	01	FR 0005	005 / / :0			7132190 (M04185) A085124 BLCK 0001 BRWN SAND FILL 0010 GREY CLAY 0014
KING TOWNSHIP OS 02(009)	17 617693 4881397 <sup>N</sup>	2010/11 2662						7159563 (Z122664) A098522
KING TOWNSHIP OS 02(009)	17 617154 4881150 <sup>N</sup>	1999/08 1350	06	FR 0087	004 / 080 003 / 2:0	DO	84 3	6924978 (200778) GREY CLAY FILL 0004 GREY CLAY SILT SOFT 0038 BRWN SAND GRVL CMTD 0076 GREY CLAY HARD 0084 BRWN GRVL SAND 0087
KING TOWNSHIP OS 02(010)	17 618660 4882373 <sup>N</sup>	1962/07 4102	30	FR 0015	015 / 005 / :0	DO		6902653 ( ) BRWN CLAY 0015 MSND 0025 BLUE CLAY 0036
KING TOWNSHIP OS 02(010)	17 618730 4881988 <sup>N</sup>	1989/06 1413	06	FR 0285	240 / 276 010 / 4:0	DO	282 3	6920436 (43319) BRWN CLAY BLDR HARD 0040 GREY CLAY STNS HARD 0143 BRWN GRVL SLTY LOOS 0150 GREY CLAY STNS HARD 0200 GREY CLAY GRVL LYRD 0212 GREY CLAY STNS HARD 0240 GREY CLAY DNSE 0277 GREY GRVL SAND LOOS 0285
KING TOWNSHIP OS 02(010)	17 618765 4882173 <sup>N</sup>	1977/11 1413	05	FR 0292	235 / 265 007 / 4:30	DO	284 0	6914256 ( ) BLCK LOAM SOFT 0001 BRWN CLAY SAND PCKD 0012 BRWN SAND DRY 0060 BLUE CLAY DNSE 0183 GREY CLAY STNS SILT 0276 GREY SAND SILT LOOS 0292
KING TOWNSHIP OS 02(011)	17 617265 4882048 <sup>N</sup>	1960/07 2626	02 02	FR 0075	-001 / / 2:0	DO		6902654 ( ) BLCK MUCK 0003 WHIT CLAY 0053 FSND 0073 HPAN 0075
KING TOWNSHIP OS 02( )	17 618730 4881112 <sup>N</sup>	1999/07 1350	06	FR 0119	083 / 090 020 / 1:20	DO	116 3	6924943 (200770) YLLW CLAY GRVL BLDR 0050 GREY CLAY GRVL 0112 BRWN SAND SILT CLAY 0116 BRWN SAND GRVL 0119
KING TOWNSHIP OS 03(001)	17 617139 4877747 <sup>N</sup>	1988/05 1663	06	FR 0223	136 / 223 007 / 2:0	DO	226 3	6920201 ( ) BRWN LOAM 0001 BRWN CLAY GRVL 0020 BRWN GRVL 0038 BRWN GRVL CLAY 0041 BRWN CLAY GRVL 0055 BLUE CLAY GRVL 0082 BRWN SAND FSND 0101 BLUE CLAY GRVL 0223 GREY SAND GRVL LOOS 0230 BLUE CLAY GRVL 0238 GREY GRVL CLAY STKY 0245
KING TOWNSHIP OS 03(001)	17 617526 4878028 <sup>N</sup>	1996/03 1350	06	FR 0135	107 / 125 015 / 1:30	DO	132 4	6923547 (163579) YLLW CLAY 0018 GREY CLAY GRVL 0086 GREY CLAY 0108 GREY CLAY GRVL 0115 BRWN SAND 0121 GREY CLAY 0127 GREY SAND 0139

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
KING TOWNSHIP OS 03(001)	17 617426 4877875 <sup>W</sup>	1965/03 3108	04	FR 0214	115 / 140 005 / 3:0	PS	217 3	6901710 ( ) LOAM 0002 CLAY LOAM 0010 YLLW MSND 0038 BLUE CLAY 0095 FSND 0112 BLUE CLAY 0118 FSND 0154 BLUE CLAY 0200 YLLW MSND 0214 FSND 0216 MSND 0220
KING TOWNSHIP OS 03(001)	17 616886 4877516 <sup>W</sup>	1999/10 6874	36	FR 0023	020 / 023 025 / 2:0	DO		6925139 (199750) BRWN SAND 0024
KING TOWNSHIP OS 03(001)	17 617521 4878053 <sup>W</sup>	1975/10 1350	06	FR 0113	075 / 090 012 / 1:0	DO	115 5	6913101 ( ) YLLW CLAY BLDR 0019 GREY CLAY 0090 GREY CLAY 0108 GREY GRVL CLAY 0113 BRWN UNKN 0120
KING TOWNSHIP OS 03(001)	17 617565 4878133 <sup>W</sup>	1968/09 4231	30	FR 0070	070 / / :0	DO		6909113 ( ) BRWN CLAY 0020 HPAN 0040 BLUE CLAY 0070 MSND 0078
KING TOWNSHIP OS 03(001)	17 617415 4878123 <sup>W</sup>	1984/11 3316	04 05	FR 0219	120 / 145 020 / 1:0	DO	220 4	6917364 ( ) BRWN CLAY SAND LYRD 0219 SAND 0224
KING TOWNSHIP OS 03(001)	17 617169 4877660 <sup>W</sup>	1963/11 4102	30	FR 0035	021 / 007 / :0	DO		6902670 ( ) BRWN CLAY STNS 0049
KING TOWNSHIP OS 03(002)	17 616946 4878374 <sup>W</sup>	1974/08 2310	04	FR 0069	035 / 035 010 / 1:0	ST DO	70 4	6912188 ( ) GREY CLAY 0023 BLUE CLAY 0029 BLUE CLAY GRVL 0055 BLUE CLAY 0069 FSND 0077
KING TOWNSHIP OS 03(003)	17 617434 4878630 <sup>W</sup>	2000/03 3108	05 04 06	UK 0240 FR 0378 UK 0349 UK 0087	118 / 275 080 / 1:0	DO ST	368 10	6925306 (184915) BRWN CLAY DNSE 0028 BLUE CLAY SAND 0080 BLUE SAND 0087 BLUE CLAY GRVL 0236 SAND CLAY 0240 BLUE CLAY SAND 0305 SAND 0309 BLUE CLAY SAND 0342 SAND 0349 BLUE CLAY SAND 0367 BLCK SAND 0378
KING TOWNSHIP OS 03(004)	17 617417 4879102 <sup>W</sup>	1989/11 1663	06	FR 0049	041 / 057 006 / 2:30	DO	57 3	6921114 (26985) LOAM 0001 BRWN CLAY GRVL HARD 0019 BLUE CLAY GRVL 0049 GREY SAND GRVL CSND 0061 BLUE CLAY GRVL 0080
KING TOWNSHIP OS 03(004)	17 617350 4879040 <sup>W</sup>	1990/07 3108	06	FR 0232	072 / 234 005 / 4:0	DO	232 3	6921171 (65391) LOAM 0001 BRWN CLAY 0028 BLUE CLAY SAND 0078 BRWN SAND 0080 BLUE CLAY SAND GRVL 0135 GREY SAND 0138 BLUE CLAY GRVL 0146 GREY SAND CLAY 0158 BLUE CLAY GRVL 0192 BLUE CLAY SAND 0230 GREY SAND 0235
KING TOWNSHIP OS 03(004)	17 617315 4879223 <sup>W</sup>	1981/03 1711	05	FR 0140	060 / 100 008 / 2:0	DO	139 3	6915889 ( ) GREY CLAY STNS 0017 BLUE CLAY 0032 BLUE CLAY GRVL 0140 CSND 0145
KING TOWNSHIP OS 03(004)	17 617335 4879103 <sup>W</sup>	1969/02 2310	02	FR 0054	030 / 006 / 2:0	DO	54 8	6909124 ( ) CLAY 0020 CLAY 0054 MSND 0063

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
KING TOWNSHIP OS 03(004)	17 617365 4879223 <sup>N</sup>	1976/03 2801	02					6913490 ( ) BRWN CLAY SNDY 0014 GREY CLAY 0018 GREY CLAY GRVL SNDY 0037 GREY CLAY SLTY HARD 0042 FGVL SAND BLDR 0060 GREY CLAY GRVL HARD 0071 SAND GRVL LOOS 0075 GREY CLAY SNDY 0081 SAND GRVL LOOS 0087 GREY CLAY GRVL SNDY 0095 GREY CLAY SAND LYRD 0099 GREY CLAY GRVL HARD 0137 GRVL SAND CLAY 0157 GREY CLAY SNDY HARD 0165 GREY SAND FGVL 0208 GREY CLAY HARD 0212 SAND FGVL LOOS 0266 GRVL SAND CLAY 0279 SAND FGVL CLAY 0293 GREY CLAY GRVL SNDY 0334 BLCK SHLE 0340
KING TOWNSHIP OS 03(004)	17 617165 4879223 <sup>N</sup>	1981/05 1711	05	FR 0090	040 / 065 008 / 1:0	DO	11 3	6915888 ( ) GREY CLAY 0021 BLUE CLAY 0065 BLUE CLAY GRVL 0090 FSND 0097
KING TOWNSHIP OS 03(004)	17 617357 4879010 <sup>N</sup>	1966/01 1622	04	FR 0310	030 / 310 004 / 8:0	DO	310 4	6901723 ( ) BRWN CLAY 0045 GRVL 0310 MSND 0314
KING TOWNSHIP OS 03(005)	17 617375 4879422 <sup>N</sup>	1992/06 1350	06	FR 0076	045 / 060 010 / 1:0	DO	76 4	6921941 (109136) BRWN CLAY GRVL STNS 0025 GREY CLAY SOFT SLTY 0060 BRWN SAND SILT 0070 BRWN SAND FSND 0080
KING TOWNSHIP OS 03(005)	17 617283 4879486 <sup>N</sup>	1990/09 3108	06	FR 0179	047 / 100 075 / 2:0	DO	182 3	6921270 (74207) BRWN SAND CLAY 0041 BRWN SAND 0094 BLUE CLAY GRVL 0111 BRWN SAND 0134 BLUE CLAY GRVL 0158 BLUE CLAY 0179 BLUE SAND 0185
KING TOWNSHIP OS 03(007)	17 617170 4880335 <sup>N</sup>	1992/08 4645	06	FR 0151	011 / 140 150 / 2:0	DO	143 8	6922065 (116299) BRWN CLAY SILT SAND 0003 GREY CLAY 0020 GREY SILT SAND LOOS 0025 GREY CLAY SOFT 0070 GREY CLAY SILT SOFT 0095 GREY SILT GRVL SOFT 0108 GREY GRVL LOOS 0110 GREY SILT SAND LYRD 0130 GREY SILT SAND GRVL 0140 GREY SAND SILT FSND 0140 GREY CLAY DNSE 0157
KING TOWNSHIP OS 03(008)	17 617110 4880787 <sup>N</sup>	1988/11 1350	06 00	FR	/ 040 010 / 1:0	DO	78 4	6920110 (13579) BLCK LOAM 0004 GREY CLAY 0012 GREY SAND SILT 0024 GREY CLAY 0040 GREY CLAY GRVL 0077 BRWN SAND 0082
KING TOWNSHIP OS 03(008)	17 616966 4880933 <sup>N</sup>	1995/07 1350	06	FR 0086	/ 045 015 / 1:20	DO	86 6	6923328 (163551) BRWN SAND FILL 0003 BRWN SAND CLAY 0008 YLLW CLAY 0014 GREY CLAY SILT 0029 GREY CLAY 0048 BRWN SILT CLAY SAND 0077 BRWN SAND SILT 0084 GREY CLAY 0085 BRWN SAND VERY FSND 0092
KING TOWNSHIP OS 03(008)	17 617053 4880908 <sup>N</sup>	1995/05 3108	30			NU		6923251 (156213)

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
KING TOWNSHIP OS 03(008)	17 617053 4880908 <sup>N</sup>	1992/08 4778	05 06	FR 0067	/ 060 010 / 2:0	DO		6923191 (107599) BLCK LOAM 0002 BRWN CLAY 0011 BLUE CLAY 0042 BLUE CLAY SILT 0067 BRWN FSND 0072 BLUE CLAY 0082
KING TOWNSHIP OS 03(008)	17 617083 4880634 <sup>N</sup>	1994/08 1350	06	FR 0104	/ 075 010 / 2:0	DO		6922787 (144518) BRWN SAND CLAY 0005 GREY SAND GRVL CLAY 0022 GREY CLAY 0102 GREY GRVL HPAN 0104
KING TOWNSHIP OS 03(009)	17 616915 4881223 <sup>N</sup>	1978/03 1413	05	FR 0172	/ 008 / 3:0	DO	274 8	6914467 () BRWN SAND FILL 0002 BLCK LOAM SOFT 0004 BRWN SAND CLAY PCKD 0018 BLUE CLAY SOFT 0090 GREY SILT SOFT 0092 BLCK CLAY STNS DNSE 0160 GREY FSND LOOS 0172 GREY CLAY STNS HARD 0280 GREY SHLE DNSE 0282
KING TOWNSHIP OS 03(009)	17 617013 4881261 <sup>N</sup>	1996/08 1413	06	FR 0167	/ 150 025 / 1:0	DO	163 4	6923674 (166614) BLCK LOAM SOFT 0004 BRWN CLAY SOFT 0020 GREY CLAY SILT SOFT 0090 GREY CLAY DNSE 0157 BRWN SAND FSND CLN 0167
KING TOWNSHIP OS 03()	17 617103 4880854 <sup>N</sup>	1999/09 5459	06	FR 0065	010 / 040 012 / 2:0	DO	65 3	6925096 (211594) BLCK LOAM 0002 BRWN CLAY STNY 0015 GREY CLAY SLTY 0032 GREY CLAY STNY VERY 0055 GREY CLAY SNDY 0065 GREY FSND 0068 GREY SILT 0068
KING TOWNSHIP OS (001)	17 618617 4878006 <sup>N</sup>	1999/06 1350	06	FR 0233	137 / 205 007 / 2:0	DO		6924915 (200758) BRWN SAND GRVL CLAY 0004 YLLW CLAY 0018 YLLW CLAY GRVL 0032 GREY CLAY GRVL 0110 WHIT CLAY 0165 BRWN CLAY GRVL 0174 GREY CLAY GRVL 0225 BRWN SAND LOOS 0229 BRWN GRVL SAND 0233
KING TOWNSHIP 02(001)	17 619275 4878719 <sup>N</sup>	2005/08 1350	06	FR 0246	183 / 229 007 / 1:0	DO	248 6	6930543 (Z51442) A045841 BRWN SAND CLAY 0004 YLLW CLAY 0012 GREY CLAY SAND HARD 0124 GREY CLAY 0164 BRWN CLAY GRVL SILT 0168 GREY CLAY SOFT 0246 BRWN FSND MSND 0253
KING TOWNSHIP 02(006)	17 618339 4880419 <sup>N</sup>	1987/10 1413	06	FR 0254	161 / 210 040 / 2:10	DO	250 4	6919094 () BRWN CLAY STNS SLTY 0049 GREY CLAY STNS DNSE 0070 GREY CLAY SLTY 0092 BRWN SAND LOOS 0116 GREY CLAY SLTY 0146 GREY CLAY STNS DNSE 0208 GREY CLAY SLTY 0218 BRWN SAND SILT 0238 GREY CLAY SNDY 0242 BRWN SAND GRVL CLN 0254 BRWN SAND SLTY 0258 GREY CLAY STNS SNDY 0278
KING TOWNSHIP 02(006)	17 617170 4881236 <sup>N</sup>	1986/05 4919	30	UK 0010	008 / 030 / :30	DO		6918763 (05002) BRWN LOAM HARD 0001 BRWN SAND CLAY SOFT 0038
KING TOWNSHIP 02(006)	17 617227 4879951 <sup>N</sup>	2007/06 6032	02			NU	10 5	7046380 (Z66467) A041642 BRWN CLAY SILT WBRG 0015 BRWN CLAY SILT WBRG 0013 BRWN CLAY SILT WBRG 0013 BRWN CLAY SILT WBRG 0013 0030

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
KING TOWNSHIP 02(006)	17 617527 4880050 <sup>N</sup>	2007/09 7215	02					7053509 (Z68012) A061890
KING TOWNSHIP 02(009)	17 618820 4881552 <sup>N</sup>	2005/09 1413	06	FR 0030	/ 025 010 / 1:0	DO	28 5	6929616 (Z31774) A029657 BRWN LOAM 0001 BRWN SAND STNS 0006 BRWN SAND GRVL 0034 GREY SAND CLAY 0056 GREY CLAY 0206 GREY GRVL SAND 0215
KING TOWNSHIP 02(011)	17 617025 4881568 <sup>N</sup>	1986/09 4919	30	UK 0060	008 / 060 / 1:10	DO		6918593 () BRWN LOAM HARD 0001 BRWN CLAY HARD 0020 GREY CLAY HARD 0060 GREY SAND LOOS 0070
KING TOWNSHIP 02(030)	17 619845 4876195 <sup>N</sup>	1988/05 1350	06	FR 0078	060 / 070 010 / 1:0	DO	78 3	6919600 (13524) YLLW CLAY GRVL SAND 0016 BRWN SAND 0022 GREY GRVL CLAY 0035 BRWN SAND DRY 0075 BRWN SAND 0081
KING TOWNSHIP 02(031)	17 618746 4880901 <sup>N</sup>	2010/06 1663	03		246 / / :0	NU		7151756 (Z118018) BRWN CLAY 0016 GREY 0499
KING TOWNSHIP 03(030)	17 619571 4876249 <sup>N</sup>	1985/06 1663	06 06	FR 0340	256 / 340 012 / 2:0	DO	346 4	6917975 () BLCK LOAM 0001 BRWN CLAY SAND 0058 BRWN FSND CLAY 0094 BLUE CLAY 0136 GREY FSND 0157 BLUE CLAY 0196 GREY FSND SILT 0223 BLUE CLAY SILT GRVL 0337 GREY MSND 0352 BLUE CLAY GRVL 0365
KING TOWNSHIP 03(035)	17 618175 4877413 <sup>N</sup>	1986/02 3903	06	FR 0275	111 / 265 005 / 8:0	DO	271 4	6917948 () BRWN SAND SILT LYRD 0047 GREY CLAY STNS LYRD 0098 GREY CLAY DNSE 0230 GREY CLAY STNS LYRD 0256 GREY CLAY SAND LYRD 0265 GREY SAND GRVL BLDR 0277
KING TOWNSHIP 03(035)	17 617989 4877445 <sup>N</sup>	2008/06 1663	06	0333	253 / 258 019 / 1:0	DO	333 5	7112189 (Z83478) A064856 BRWN SAND 0019 BRWN SAND CLAY 0028 GREY CLAY SILT 0040 GREY CLAY SAND GRVL 0318 GREY MSND 0323 GREY SAND SLTY 0333 GREY SAND FSND 0338
KING TOWNSHIP 03(035)	17 617555 4877535 <sup>N</sup>	2008/09 1663	06 05	0300	263 / 264 016 / 1:0	DO	301 5	7114293 (Z83505) A075167 BRWN SAND 0028 GREY CLAY SILT 0042 BRWN CLAY STNS GRVL 0136 GREY CLAY GRVL SAND 0290 GREY SAND GRVL CLAY 0300 GREY SAND GRVL 0306
KING TOWNSHIP ( )	17 617063 4881187 <sup>N</sup>	6809						7154745 (M06658)
MARKHAM TOWN (MARKHA ( )	17 620310 4877026 <sup>N</sup>	2009/11 7241	02					7136658 (M05272) A084160 BRWN FILL SAND LOOS 0004 BRWN SILT CLAY DNSE 0031 GREY SILT CLAY DNSE 0024
WHITCHURCH-STOUFFVIL CON 01(087)	17 623857 4876400 <sup>N</sup>	2008/06 7147	02	FR 0008	008 / / :0			7107634 (M02852) A066725

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
TORONTO CITY ( )	17 621384 4880061 <sup>N</sup>	1995/02 1508	05			NU	8 10	6923044 (56716) BRWN FILL 0008 GREN SAND 0009 GREY TILL 0018
TORONTO CITY ( )	17 621911 4881069 <sup>N</sup>	2010/02 7241	02				5 20	7142194 (Z104801) A096751 BRWN SAND LOOS 0008 BRWN SAND SILT LOOS 0025
TORONTO CITY ( )	17 618779 4882305 <sup>N</sup>	2008/12 7241	04				10 5	7117398 (Z93786) A080448 BRWN SAND FILL LOOS 0003 BRWN SAND SILT LOOS 0007 GREY SAND SILT DNSE 0015
TORONTO CITY ( )	17 618740 4882328 <sup>N</sup>	2008/12 7241	04				10 5	7117397 (Z93784) A080447 BRWN SAND FILL LOOS 0003 BRWN SAND SILT LOOS 0007 GREY SAND SILT DNSE 0015
AURORA TOWN ( )	17 624564 4875558 <sup>N</sup>	2010/08 1663	30 60		012 / / :0			7151754 (Z116995) GREY 0042
AURORA TOWN ( )	17 623116 4875609 <sup>N</sup>	2010/07 7282	02				20 10	7151174 (Z102046) A064107 BRWN FILL LOOS 0005 GREY SILT SAND SOFT 0013 GREY SILT SAND CLAY 0030
AURORA TOWN ( )	17 623295 4874401 <sup>N</sup>	2009/06 7215	02				5 10	7126909 (Z099653) A083689 BRWN SAND SLTY 0015
AURORA TOWN ( )	17 623105 4875320 <sup>N</sup>	2007/04 7341	02	FR			36 5	7043008 (Z66712) A054278 GREY CLAY SLTY GRVL 0023 GREY SILT CLAY WBRG 0040 GREY CLAY SLTY DNSE 0042
NEWMARKET TOWN 6904180 ( )	17 624009 4879265 <sup>N</sup>	1951/06 2801	06	FR		NU		6904179 ( ) LOAM 0001 BRWN CLAY 0005 FSND SILT GRVL 0009 FSND SILT 0026 FSND SILT GRVL 0037 SILT CLAY GRVL 0042 BLUE CLAY MSND GRVL 0199 BLUE CLAY MSND BLDR 0260 BLUE CLAY MSND GRVL 0275 SHLE MSND GRVL 0282 SHLE 0284
NEWMARKET TOWN YS E 01(093)	17 622866 4878470 <sup>N</sup>	1949/01 1337	04	FR	013 / / :0		DO	6907459 ( ) CLAY STNS 0136 HPAN 0149
NEWMARKET TOWN YS E 01(094)	17 623700 4878947 <sup>N</sup>	2009/11 7147	01	FR 0011		NU	7 5	7134521 (Z097814) A085152 GREY ---- 0001 BRWN FILL SNDY 0003 BRWN SAND SILT TILL 0011
NEWMARKET TOWN YS E 01(094)	17 623585 4879094 <sup>N</sup>	2010/09 7147						7152951 (M08119) A107035
NEWMARKET TOWN YS E 01(095)	17 621865 4879073 <sup>N</sup>	1968/09 3109	30	FR 0032	012 / / :0		DO	6908916 ( ) LOAM 0002 BRWN CLAY STNS 0016 BLUE CLAY STNS 0031 MSND 0035
NEWMARKET TOWN east 01(095)	17 624009 4879219 <sup>N</sup>	2009/07 3406				NU		7141027 (Z100548)
NEWMARKET TOWN ( )	17 623860 4879664 <sup>N</sup>	2006/06 6926	02	FR 0010			30 3	6930364 (Z45895) A035741 BRWN FILL SAND DRY 0003 GREY SAND SLTY TILL 0033

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN ( )	17 623517 4879369 <sup>N</sup>	2006/05 7241	02				4 12	6930287 (Z45998) A039331 BRWN SAND SILT GRVL 0001 BRWN SAND SILT 0008 BRWN FSND SILT 0011 GREY FSND SILT 0016
NEWMARKET TOWN 01(001)	17 622988 4879579 <sup>N</sup>	2008/01 4102						7101698 (Z67933)
NEWMARKET TOWN 01(034)	17 623507 4879083 <sup>N</sup>	2006/10 7147	02			NU	5 10	6931042 (Z53730) A052021 BLCK LOAM 0001 BRWN FILL 0012 GREY TILL 0015
NEWMARKET TOWN 01(089)	17 623755 4876294 <sup>N</sup>	2008/05 3108				NU		7107506 (Z66931) 0372
NEWMARKET TOWN 01(090)	17 620894 4876520 <sup>N</sup>	2008/03 4102						7109938 (Z67941)
NEWMARKET TOWN 01(092)	17 623879 4878651 <sup>N</sup>	2007/01 5459	02					7041650 (Z56440) A050973
NEWMARKET TOWN 02(009)	17 617752 4881221 <sup>N</sup>	2008/09 2662	06 10 06	0267 0271 0275	011 / 021 030 / 2:15			7117024 (Z85265) A073673 BLCK LOAM 0003 BRWN SILT SAND GRVL 0005 GREY SILT CLAY GRVL 0015 GREY SAND CLAY GRVL 0058 GREY SILT SAND GRVL 0069 GREY SAND CLAY GRVL 0080 GREY SILT CLAY GRVL 0089 GREY SILT SAND HARD 0103 GREY SILT CLAY WBRG 0111 GREY SAND WBRG 0128 GREY SILT CLAY HARD 0136 GREY SAND CLAY GRVL 0160 GREY SILT CLAY 0171 GREY SILT SAND CLAY 0180 GREY SAND GRVL 0183 GREY SILT WBRG 0187 GREY SAND CLAY 0222 GREY SILT FSND WBRG 0231 GREY SILT CLAY GRVL 0253 GREY GRVL SAND CLAY 0264 BLCK SHLE 0275 GREY LMSN 0350
NEWMARKET TOWN (090)	17 620970 4876375 <sup>N</sup>	2008/06 2801						7108420 (Z68144)
NEWMARKET TOWN (109)	17 623511 4879442 <sup>N</sup>	2008/06 6988	02					7107149 (Z77212) A064009 BLCK FILL 0002 BLCK SAND SILT FILL 0004 BRWN CLAY SILT 0006 GREY CLAY SILT TILL 0009 GREY CLAY SILT 0011 GREY TILL SILT CLAY 0016
NEWMARKET TOWN ( )	17 622245 4878823 <sup>N</sup>	1968/09 3414	04	FR 0349	025 / 140 005 / 4:0	DO		6908598 ( ) CLAY 0015 MSND 0032 GRVL SILT 0202 SILT 0224 GRVL 0348 BRWN SHLE 0357
NEWMARKET TOWN ( )	17 623865 4878723 <sup>N</sup>	1969/02 2801	06			NU		6909089 ( ) SILT CLAY GRVL 0018 CLAY GRVL BLDR 0058 CLAY 0067 SILT GRVL CLAY 0092 CLAY GRVL BLDR 0118 SILT MSND GRVL 0133 CLAY GRVL 0242 CLAY 0265 CLAY SILT GRVL 0297



TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN ( )	17 623835 4878673 <sup>N</sup>	1969/01 2801	06					6909090 ( ) SILT MSND GRVL 0017 CLAY MSND BLDR 0069 SILT GRVL 0075 CLAY MSND BLDR 0157 GREY CLAY SILT GRVL 0224 GRVL BLDR CLAY 0233 GREY CLAY 0266 GREY CLAY GRVL 0272 CLAY MSND BLDR 0297 SILT GRVL BLDR 0299 BLCK SHLE 0300
NEWMARKET TOWN ( )	17 623862 4879667 <sup>N</sup>	2007/06 6926	02	FR 0015		NU	23 7	7046242 (Z70061) A050449 BRWN SAND GRVL 0002 BRWN SAND SLTY 0006 BRWN SAND SILT GRVL 0016 GREY SAND SLTY FSND 0030
NEWMARKET TOWN ( )	17 621802 4877666 <sup>N</sup>	2007/06 6607	02	FR 0010			5 10	7047550 (Z72446) A053571 BRWN FILL 0003 BRWN SILT CLAY 0015
NEWMARKET TOWN ( )	17 621070 4881302 <sup>N</sup>	2007/04 7247	02	0006		NU	12 5	7049353 (Z70007) A056052 GREY SILT CLAY GRVL 0007 GREY SILT CLAY TILL 0017
NEWMARKET TOWN ( )	17 620325 4877120 <sup>N</sup>	2007/03 7247	02	0011		NU	16 -5	7050022 (Z70002) A056048 BRWN FSND DNSE 0007 BRWN SAND SILT PCKD 0016
NEWMARKET TOWN ( )	17 623862 4879667 <sup>N</sup>	2007/11 6926						7054094 (Z76040) A050449 BRWN SAND GRVL 0002 BRWN SAND SLTY 0006 BRWN SAND SILT GRVL 0016 GREY SAND SLTY FSND 0030
NEWMARKET TOWN ( )	17 623895 4878723 <sup>N</sup>	1969/02 2801	02	FR 0253	044 / 045 026 / 3:0	NU	254 20	6909135 ( ) CLAY GRVL BLDR 0090 GRVL 0105 GREY CLAY STNS 0133 CLAY GRVL 0253 FSND CSND GRVL 0280 CLAY GRVL 0302
NEWMARKET TOWN ( )	17 621915 4879523 <sup>N</sup>	1976/07 5459	02			DO	285 10	6914090 ( ) BRWN CLAY STNS 0027 BLUE CLAY STNS 0140 BLUE CLAY SOFT 0247 BLUE CLAY HARD 0261 BLUE FSND 0272 BLUE CLAY STNS 0285 BLUE FSND CLAY 0309 BLUE CLAY STNS 0423 BRWN LMSN 0423
NEWMARKET TOWN ( )	17 622165 4879623 <sup>N</sup>	1976/08 5459				DO NU		6914091 ( ) BRWN CLAY 0016 BRWN CLAY STNS 0032 BRWN GRVL 0043 BLUE CLAY 0174 BLUE CLAY STNY HARD 0207 BLUE CLAY SOFT 0233 BLUE CLAY HARD 0291 BLUE FSND 0342 BLUE CLAY STNY 0373 BLUE MSND 0421 BLCK SHLE 0425
NEWMARKET TOWN ( )	17 621815 4879473 <sup>N</sup>	1976/09 5459	02			NU DO		6914093 ( ) BRWN CLAY 0006 BLUE CLAY 0074 BLUE GRVL FSND 0076 BLUE CLAY STNS 0187 BLUE CLAY SOFT 0240 BLUE SAND GRVL CLAY 0287 BLUE GRVL CLAY 0300 BLUE CGVL 0315 BLUE CLAY 0378 BLUE SHLE CLAY 0395

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN ( )	17 623673 4877674 <sup>N</sup>	1949/10 2801	04	FR 0215	012 / / :0	NU	215 6	6904176 ( ) CLAY MSND 0006 CLAY MSND GRVL 0022 CLAY 0040 CLAY BLDR 0057 CLAY GRVL BLDR 0087 BLUE CLAY GRVL BLDR 0135 CLAY MSND GRVL 0181 BLUE CLAY GRVL BLDR 0206 CLAY MSND GRVL 0222
NEWMARKET TOWN ( )	17 624015 4879290 <sup>N</sup>	1951/06 2801		FR		NU		6904177 ( ) LOAM 0002 MSND 0004 GRVL CLAY 0006 BLUE CLAY 0038 BLUE CLAY MSND GRVL 0065 MSND GRVL 0066 BLUE CLAY GRVL MSND 0170 MSND GRVL 0183 CLAY MSND GRVL 0192 BLUE CLAY MSND GRVL 0273 MSND GRVL 0279 SHLE CLAY GRVL 0282 SHLE 0286
NEWMARKET TOWN ( )	17 624010 4879190 <sup>N</sup>	1951/07 2801		FR		NU		6904181 ( ) LOAM 0003 CLAY MSND 0005 BLUE CLAY MSND 0025 BLUE CLAY MSND GRVL 0108 MSND GRVL CLAY 0149 BLUE CLAY MSND GRVL 0162 BLUE CLAY MSND GRVL 0163 BLDR 0164
NEWMARKET TOWN ( )	17 623985 4879245 <sup>N</sup>	1951/08 2801	04	FR	/ / 24:0	NU	173 10	6904182 ( ) LOAM 0001 BRWN CLAY MSND 0005 BLUE CLAY SILT MSND 0021 BLUE CLAY MSND GRVL 0068 BLUE CLAY MSND GRVL 0109 FSND GRVL CLAY 0116 BLUE CLAY MSND GRVL 0143 BLUE CLAY FSND GRVL 0159 GRVL MSND BLDR 0178 BLDR MSND GRVL 0185 BLUE CLAY MSND GRVL 0201 BLUE CLAY MSND GRVL 0252 BLUE CLAY MSND GRVL 0263 BLDR GRVL SHLE 0265 CLAY GRVL SHLE 0276 BLCK SHLE 0277
NEWMARKET TOWN ( )	17 623073 4879664 <sup>N</sup>	1951/08 2801	06			NU		6904183 ( ) LOAM 0001 BRWN CLAY 0021 BRWN CLAY MSND GRVL 0068 BLUE CLAY MSND GRVL 0154 BLUE CLAY MSND GRVL 0156 BLUE CLAY MSND GRVL 0321 BLUE CLAY MSND GRVL 0326 BLCK SHLE 0330
NEWMARKET TOWN ( )	17 623733 4878955 <sup>N</sup>	1954/11 2801	08					6904185 ( ) LOAM 0001 BRWN CLAY MSND 0002 BLDR CLAY MSND 0006 MSND GRVL 0009 BLUE CLAY 0017 SILT 0019 BLUE CLAY BLDR GRVL 0021 BLUE CLAY MSND 0045 BLUE CLAY MSND BLDR 0046 BLUE CLAY MSND 0048 BLUE CLAY MSND GRVL 0051 BLUE CLAY MSND GRVL 0229 MSND GRVL BLDR 0235 BLUE CLAY GRVL 0256 BLUE CLAY GRVL BLDR 0262 BLUE CLAY 0266 BLUE CLAY GRVL BLDR 0268 BLUE CLAY 0269 BLUE CLAY GRVL 0273 MSND GRVL BLDR 0275 BLUE CLAY GRVL 0279 SHLE 0285

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>	WELL TAG #
NEWMARKET TOWN ( )	17 622554 4879763 <sup>N</sup>	1955/10 2801	08					6904186 ( ) LOAM MSND 0003 YLLW CLAY GRVL 0008 GREY CLAY BLDR 0069 GREY CLAY 0181 GREY CLAY GRVL 0238 GREY CLAY MSND 0282 GREY CLAY GRVL 0296 GREY CLAY 0308	
NEWMARKET TOWN ( )	17 622722 4879658 <sup>N</sup>	1955/10 2801	08			NU		6904187 ( ) LOAM MSND 0002 YLLW CLAY MSND GRVL 0018 GREY CLAY BLDR 0043 GREY CLAY 0066 GREY CLAY STNS 0192 GREY CLAY GRVL 0216 GRVL 0217 GREY CLAY GRVL 0333 GRVL 0383	
NEWMARKET TOWN ( )	17 623758 4878277 <sup>N</sup>	1955/11 2801	08			NU		6904188 ( ) LOAM MSND 0001 YLLW CLAY MSND STNS 0018 MSND GRVL CLAY 0026 GREY CLAY MSND GRVL 0068 GREY CLAY 0122 FSND CLAY 0136 GREY CLAY GRVL 0219 GRVL CLAY 0224 CLAY MSND FSND 0236 FSND SILT GRVL 0260 GRVL CLAY 0270	
NEWMARKET TOWN ( )	17 621925 4878516 <sup>N</sup>	1956/06 2801	04	FR	045 / 047 132 / 18:0			6904189 ( ) LOAM 0001 BRWN CLAY 0006 BRWN CLAY MSND GRVL 0028 BLUE CLAY MSND GRVL 0203 BLUE CLAY SILT 0270 MSND GRVL 0284 GRVL MSND CLAY 0286 BLUE CLAY MSND GRVL 0291 GRVL MSND CLAY 0293 BLUE CLAY MSND GRVL 0296 GRVL MSND CLAY 0298 MSND GRVL 0299 CLAY GRVL MSND 0303 GRVL MSND CLAY 0315 CLAY MSND GRVL 0337 MSND GRVL CLAY 0343 CLAY MSND GRVL 0387 GRVL MSND BLDR 0393 CLAY MSND GRVL 0400 GRVL MSND CLAY 0404 CLAY MSND GRVL 0422 BLUE CLAY 0425 BLUE CLAY GRVL SHLE 0454	
NEWMARKET TOWN ( )	17 621926 4878613 <sup>N</sup>	1956/06 2801	04	FR	045 / 048 110 / :0	MN	284 32	6904190 ( ) LOAM 0001 BRWN CLAY GRVL BLDR 0022 BLUE CLAY MSND GRVL 0086 MSND GRVL BLDR 0088 BLUE CLAY MSND GRVL 0204 BLUE CLAY SILT 0268 BLUE CLAY MSND GRVL 0273 MSND GRVL CLAY 0284 GRVL MSND CLAY 0288 GRVL MSND CLAY 0290 CLAY GRVL MSND 0298 GRVL MSND CLAY 0313 CLAY MSND GRVL 0322 GRVL MSND CLAY 0341 CLAY MSND GRVL 0379 MSND GRVL BLDR 0384 GRVL MSND CLAY 0387 BLUE CLAY MSND GRVL 0389 GRVL MSND CLAY 0394 BLUE CLAY MSND GRVL 0415 CLAY MSND GRVL 0432 MSND GRVL 0433 BRWN CLAY 0444 SHLE 0450	

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN ( )	17 623451 4879705 <sup>N</sup>	1956/08 2801	08			NU		6904191 ( ) FILL 0002 MSND SILT 0006 MSND GRVL BLDR 0012 BLUE CLAY SILT 0029 BLUE CLAY MSND GRVL 0046 BLUE CLAY 0065 BLUE CLAY MSND GRVL 0131 BLUE CLAY 0186 BLUE CLAY MSND GRVL 0211 BLUE CLAY 0249 BLUE CLAY MSND GRVL 0286
NEWMARKET TOWN ( )	17 623306 4879745 <sup>N</sup>	1956/08 2801	08			NU		6904192 ( ) FILL 0001 MSND 0006 MSND GRVL BLDR 0008 BLUE CLAY 0028 CLAY MSND 0029 BLUE CLAY 0038 BLUE CLAY MSND GRVL 0046 BLUE CLAY MSND GRVL 0051 BLUE CLAY MSND GRVL 0081 MSND GRVL 0093 FSND CLAY GRVL 0112 BLUE CLAY MSND 0197 BLUE CLAY GRVL 0251 BLUE CLAY BLDR GRVL 0257 BLUE CLAY GRVL 0289
NEWMARKET TOWN ( )	17 623318 4879658 <sup>N</sup>	1956/08 2801	08			NU		6904193 ( ) FILL 0001 GRVL MSND CLAY 0004 BLUE CLAY 0011 BLUE CLAY GRVL 0016 BLUE CLAY 0019 BLUE CLAY GRVL 0039 BLUE CLAY SILT GRVL 0043 BLUE CLAY MSND GRVL 0074 MSND SILT GRVL 0075 BLUE CLAY MSND GRVL 0077 MSND SILT CLAY 0119 BLUE CLAY MSND 0124 MSND SILT CLAY 0132 BLUE CLAY 0147
NEWMARKET TOWN ( )	17 623307 4879680 <sup>N</sup>	1956/08 2801	08			NU		6904194 ( ) FILL 0001 GRVL MSND BLDR 0005 BRWN CLAY 0008 BLUE CLAY 0013 BLUE CLAY GRVL 0020 BLUE CLAY SILT 0024 BLUE CLAY MSND 0031 BLUE CLAY GRVL 0033 BLUE CLAY 0036 GRVL MSND 0039 MSND CLAY GRVL 0043 GRVL BLDR MSND 0045 BLUE CLAY MSND GRVL 0080 FSND GRVL SILT 0117 BLUE CLAY 0137
NEWMARKET TOWN ( )	17 622008 4878028 <sup>N</sup>	1958/11 2801	02	FR 0333		NU		6904195 ( ) BRWN CLAY 0005 BRWN CLAY GRVL BLDR 0021 GREY CLAY MSND GRVL 0036 BLUE CLAY MSND GRVL 0157 MSND GRVL 0158 BLUE CLAY MSND GRVL 0229 BLUE CLAY MSND GRVL 0232 BLUE CLAY MSND GRVL 0298 BLUE CLAY 0329 GRVL MSND CLAY 0333 CLAY MSND GRVL 0342 CLAY MSND 0352 GREY CLAY MSND GRVL 0356 GREY CLAY MSND 0394 GREY CLAY MSND GRVL 0409 BLUE CLAY MSND 0420 CLAY MSND GRVL 0436

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN ( )	17 622530 4878110 <sup>N</sup>	1958/12 2801	02	FR 0183	003 / 012 035 / 8:0	NU	186 10	6904196 ( ) LOAM 0001 BRWN CLAY MSND 0007 BRWN CLAY 0016 BLUE CLAY 0074 BLUE CLAY MSND GRVL 0090 BLUE CLAY MSND 0183 GRVL BLDR MSND 0197 BLUE CLAY MSND GRVL 0200 MSND GRVL 0202 BLUE CLAY MSND GRVL 0206 GRVL MSND 0208 BLUE CLAY MSND GRVL 0257 BLUE CLAY 0271
NEWMARKET TOWN ( )	17 622552 4878159 <sup>N</sup>	1959/01 2801	02	FR 0187	004 / / :0	NU	202 7	6904197 ( ) FILL 0001 BRWN CLAY 0003 BRWN CLAY GRVL 0007 BRWN CLAY 0014 BLUE CLAY 0074 BLUE CLAY GRVL 0077 BLUE CLAY MSND GRVL 0182 GRVL MSND 0184 BLUE CLAY MSND GRVL 0187 GRVL MSND BLDR 0188 BLUE CLAY MSND GRVL 0195 BLUE CLAY MSND 0202 BLDR GRVL CLAY 0205 GRVL CLAY MSND 0212 BLUE CLAY SILT 0228 BLUE CLAY MSND GRVL 0251 GRVL MSND CLAY 0252 BLUE CLAY 0254 BLUE CLAY MSND GRVL 0261 BLUE CLAY MSND 0313
NEWMARKET TOWN ( )	17 622574 4878118 <sup>N</sup>	1959/01 2801	02	FR 0204	004 / 009 038 / 8:0	NU	205 16	6904198 ( ) LOAM 0001 BRWN CLAY MSND 0015 BLUE CLAY 0076 BLUE CLAY MSND GRVL 0087 BLUE CLAY MSND 0181 BLUE CLAY MSND GRVL 0184 MSND GRVL 0186 GRVL MSND CLAY 0193 BLUE CLAY MSND 0195 GRVL MSND CLAY 0202 CLAY GRVL 0204 GRVL MSND CLAY 0223 BLUE CLAY MSND GRVL 0241
NEWMARKET TOWN ( )	17 622445 4879215 <sup>N</sup>	1960/02 1413	05	FR 0203	037 / 047 055 / 10:0	IN	199 4	6904199 ( ) RED CLAY STNS 0050 HPAN 0155 BLUE CLAY 0173 HPAN 0198 GRVL 0203
NEWMARKET TOWN ( )	17 622162 4877359 <sup>N</sup>	1962/10 4102	30	FR 0010	005 / 010 / :0	DO		6904201 ( ) MSND GRVL 0018
NEWMARKET TOWN ( )	17 621967 4878427 <sup>N</sup>	1965/12 2801	05			NU		6904203 ( ) BRWN CLAY MSND GRVL 0018 GREY CLAY MSND GRVL 0206 BLUE CLAY SILT 0268 GREY CLAY MSND 0273 MSND GRVL BLDR 0284 BLDR GRVL MSND 0287 MSND GRVL BLDR 0293 GRVL MSND BLDR 0300 MSND GRVL BLDR 0310 CLAY MSND GRVL 0327 CLAY MSND 0335
NEWMARKET TOWN ( )	17 621946 4878526 <sup>N</sup>	1966/10 2801	20 10	FR 0285	080 / 093 600 / 24:0	MN	283 26	6904204 ( ) CLAY MSND GRVL 0279 GRVL BLDR 0285 GRVL MSND 0308 GRVL MSND CLAY 0316
NEWMARKET TOWN ( )	17 622522 4877169 <sup>N</sup>	1967/09 3414	06	FR 0297	065 / 068 015 / 4:0	CO	290 6	6904205 ( ) YLLW CLAY 0074 GRVL CLAY 0110 SILT 0132 BLUE CLAY 0160 CLAY GRVL MSND 0191 FSND 0193 BLUE CLAY GRVL 0290 CSND 0297

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN ( )	17 624586 4880044 <sup>N</sup>	2010/01 7215					18 -10	7144739 (Z110070) A095332 BRWN FILL ---- 0004 BRWN SAND ---- 0016 GREY CLAY SLTY WBRG 0018
NEWMARKET TOWN ( )	17 622815 4878262 <sup>N</sup>	2010/01 7215					10 15	7144740 (Z110056) A095351 BRWN GRVL FILL LOOS 0007 GREY CLAY CLAY ---- 0025
NEWMARKET TOWN ( )	17 622827 4878429 <sup>N</sup>	2010/01 7215					20 -10	7144741 (Z110060) A095341 BRWN FILL ---- 0002 BRWN CLAY SAND 0015 GREY CLAY SAND 0020
NEWMARKET TOWN ( )	17 623236 4879508 <sup>N</sup>	2010/01 7215					16 -10	7144779 (Z110071) A095331 BRWN FILL DRY 0004 BRWN SAND ---- 0013 GREY CLAY SLTY WBRG 0016
NEWMARKET TOWN ( )	17 623857 4877818 <sup>N</sup>	7201						7153795 (M08643) A078540
NEWMARKET TOWN ( )	17 623806 4877619 <sup>N</sup>	2011/06 7215						7166944 (Z133616) A117959
NEWMARKET TOWN ( )	17 622617 4878386 <sup>N</sup>	2010/05 7241						7145153 (M07123) A091040
NEWMARKET TOWN ( )	17 622369 4879194 <sup>N</sup>	2010/05 7241	01				10 5	7145221 (Z114225) A099914 GREY SAND SILT DRY 0004 GREY SILT SAND 0014 GREY SILT SAND 0015
NEWMARKET TOWN ( )	17 623873 4877788 <sup>N</sup>	2010/04 7215					15 -5	7146037 (Z114504) A097557 BRWN FILL WBRG 0002 BRWN CLAY SAND WBRG 0006 GREY CLAY SAND WBRG 0015
NEWMARKET TOWN ( )	17 622425 4879340 <sup>N</sup>	2010/05 7241	01 01					7146920 (M07133) A099871 BLCK 0001 BRWN SAND GRVL LOOS 0001 BRWN SILT SAND DNSE 0015 BLCK SILT CLAY DNSE 0018 GREY CLAY SILT DNSE 0021
NEWMARKET TOWN ( )	17 623813 4879780 <sup>N</sup>	2010/05 7241	01				10 10	7147012 (Z116073) A099984 BRWN SAND SILT 0012 GREY CLAY SAND WBRG 0020
NEWMARKET TOWN ( )	17 623323 4879606 <sup>N</sup>	2010/05 7215					15 -10	7147734 (Z114471) A100089 BRWN FILL SNDY ---- 0005 GREY CLAY SLTY WBRG 0015
NEWMARKET TOWN ( )	17 624539 4880007 <sup>N</sup>	2010/05 7215					24 -10	7147735 (Z114454) A097562 BRWN LOAM ---- 0002 BRWN FILL ---- 0004 BRWN CLAY SILT ---- 0012 GREY CLAY SILT ---- 0024
NEWMARKET TOWN ( )	17 622460 4879190 <sup>N</sup>	2005/05 6607	02	FR 0014			8 10	6929060 (Z27814) A026593 BRWN GRVL 0001 BRWN SILT 0017
NEWMARKET TOWN ( )	17 622460 4879190 <sup>N</sup>	2005/08 7241	02				9 10	6929362 (Z34268) A027916 BRWN SAND FILL LOOS 0012 GREY SILT CLAY HARD 0019
NEWMARKET TOWN ( )	17 624200 4879908 <sup>N</sup>	2006/07 7241	02				6 10	7035359 (Z51839) A046032 BRWN FILL SAND LOOS 0004 BRWN CLAY SILT 0012 GREY CLAY SILT 0016

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN ( )	17 623893 4878998 <sup>N</sup>	2006/10 7241	02				10 10	7038505 (Z51930) A053777 BRWN FILL SAND 0002 BRWN SAND CLAY 0012 BRWN SAND CLAY 0020
NEWMARKET TOWN ( )	17 623479 4878972 <sup>N</sup>	2006/10 7241	02				9 7	7038506 (Z54881) A053778 BRWN FILL SAND 0002 BRWN SAND SILT 0012 GREY SAND SILT 0016
NEWMARKET TOWN ( )	17 622424 4879183 <sup>N</sup>	2007/01 7241						7041346 (Z58161) A027916
NEWMARKET TOWN ( )	17 623850 4876397 <sup>N</sup>	2008/03 7247	02	0003			15 5	7103962 (Z83974) A066725 BRWN LOAM LOOS 0000 BRWN SAND LOAM LOOS 0003 FILL BRWN FSND SILT 0008 GREY SILT CLAY 0020
NEWMARKET TOWN ( )	17 623356 4879041 <sup>N</sup>	2008/04 7241	00				4.57 1.53	7105129 (Z92031) A067190 BLCK LOAM SOFT DRY 0000 BRWN SILT CLAY SOFT 0003 GREY SILT FSND FILL 0005 GREY FSND SILT HARD 0006
NEWMARKET TOWN ( )	17 623298 4878513 <sup>N</sup>	2007/11 6607	02	0003	005 / / :0	NU		7111561 (M00710) A062528 BRWN GRVL SAND 0002 BRWN SAND 0007 BRWN CLAY 0023
NEWMARKET TOWN ( )	17 623305 4878504 <sup>N</sup>	2008/02 6607	02	0010				7111562 (M01253) A062487 BRWN GRVL SAND LOOS 0003 BRWN SAND SILT LOOS 0008 BRWN SAND GRVL LOOS 0009 BRWN SILT CLAY DNSE 0012
NEWMARKET TOWN ( )	17 621840 4878610 <sup>N</sup>	2008/07 7215					20 -10	7116740 (Z81508) A068062 GREY STNS DRY 0008 GREY SILT CLAY WBRG 0015 BRWN CLAY WBRG 0020
NEWMARKET TOWN ( )	17 621931 4879180 <sup>N</sup>	2009/12 7215					15 -10	7136874 (Z107452) A075197 BRWN FILL ROCK SAND 0003 BRWN CLAY 0015
NEWMARKET TOWN ( )	17 623503 4879666 <sup>N</sup>	2009/12 7215					10 10	7136875 (Z107502) A093147 BRWN GRVL FILL LOOS 0005 BRWN SAND PEAT SOFT 0012 GREY CLAY SAND 0020
NEWMARKET TOWN ( )	17 624150 4879911 <sup>N</sup>	2009/11 7215					20 -10	7136889 (Z107484) A009311 BRWN CLAY SAND 0012 GREY CLAY 0020
NEWMARKET TOWN ( )	17 622433 4879217 <sup>N</sup>	2009/11 7215					10 10	7136890 (Z107500) A090315 BRWN GRVL FILL LOOS 0005 BRWN SILT TILL ROCK 0015 GREY SILT WBRG 0020
NEWMARKET TOWN ( )	17 621857 4878612 <sup>N</sup>	2008/05 7215	01				20 -10	7112690 (Z92271) A068092 BRWN FILL DRY 0004 BRWN CLAY WBRG 0010 GREY CLAY WBRG 0016 BRWN CLAY WBRG 0020
NEWMARKET TOWN ( )	17 623679 4878995 <sup>N</sup>	2008/08 7215	02				10 -5	7114423 (Z81553) A070288 BRWN FILL WBRG 0008 BRWN CLAY SAND WBRG 0010
NEWMARKET TOWN ( )	17 623857 4877818 <sup>N</sup>	2008/11 6607	02					7116988 (M03988) A078540 BRWN SAND GRVL SLTY 0002 GREY CLAY SLTY DNSE 0012 GREY SAND SLTY DNSE 0015



TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN ( )	17 623587 4879026 <sup>N</sup>	2009/06 7215					10 7	7123953 (Z096276) A083714 BRWN LOAM 0002 BRWN FILL 0006 BRWN CLAY 0014 GREY CLAY 0017
NEWMARKET TOWN ( )	17 623713 4878835 <sup>N</sup>	2009/06 7366	01					7124083 (M04723) A083528 BRWN FILL LOOS 0001 BRWN SILT SAND LOOS 0016
NEWMARKET TOWN ( )	17 624237 4879954 <sup>N</sup>	2009/04 6607	02					7125408 (M04595) A082760 BRWN SAND GRVL FILL 0005 BRWN SILT CLAY LOOS 0013 GREY CLAY SILT 0020
NEWMARKET TOWN ( )	17 624069 4879684 <sup>N</sup>	2009/07 6607	02					7127682 (M05213) A085319 BRWN SAND SILT LOOS 0008 GREY CLAY SILT LOOS 0025
NEWMARKET TOWN ( )	17 621895 4878506 <sup>N</sup>	2009/07 6032					10 10	7129493 (Z095863) A068242 BRWN LOAM LOOS 0001 BRWN FILL PRDG 0008 GREY CLAY SILT GRVL 0015 GREY SILT GRVL FSND 0020
NEWMARKET TOWN ( )	17 623813 4878792 <sup>N</sup>	2009/07 7215	02				12 -5	7132799 (Z099685) A083711 BRWN FILL GRVL WBRG 0010 BRWN SILT CLAY WBRG 0012
NEWMARKET TOWN ( )	17 623665 4879206 <sup>N</sup>	2009/07 7215						7132800 (Z099684) 0001 SAND 0000
NEWMARKET TOWN ( )	17 623620 4878957 <sup>N</sup>	2009/08 7215						7132801 (Z104607)
NEWMARKET TOWN ( )	17 623658 4879082 <sup>N</sup>	2009/08 7215	02				15 -5	7132802 (Z104673) A083698 BRWN FILL FILL ROCK 0004 BRWN CLAY WBRG 0015
NEWMARKET TOWN ( )	17 622026 4878145 <sup>N</sup>	2009/09 7241	02				10 10	7132692 (Z104887) A090917 BRWN SAND TILL 0016 BRWN SAND CLAY 0020
NEWMARKET TOWN ( )	17 622211 4878217 <sup>N</sup>	2009/09 7241	02				10 10	7132693 (Z104886) A090918 BRWN SAND TILL 0016 BLUE SAND CLAY 0020
NEWMARKET TOWN ( )	17 622451 4879196 <sup>N</sup>	2009/10 7241	12				0 15	7133778 (Z104772)
NEWMARKET TOWN ( )	17 624353 4879949 <sup>N</sup>	2010/06 7241	01				16 4	7148459 (Z116141) A099960 BRWN SAND SILT DRY 0006 GREY SILT CLAY 0016 GREY SILT CLAY WBRG 0020
NEWMARKET TOWN ( )	17 623255 4879650 <sup>N</sup>	2010/06 7215					7 10	7148979 (Z116331) A100073 BRWN FILL LOOS 0010 GREY SAND CLAY WBRG 0017
NEWMARKET TOWN ( )	17 623299 4878497 <sup>N</sup>	2010/07 7241						7149475 (M07727) A062528
NEWMARKET TOWN ( )	17 624421 4879995 <sup>N</sup>	2010/06 7241	01				6 10	7149529 (Z119027) A102929 BRWN SAND SILT 0008 BRWN SILT SAND 0016
NEWMARKET TOWN ( )	17 624339 4879937 <sup>N</sup>	2010/07 7241	01				10 10	7149556 (Z118928) A102953 BRWN SILT CLAY 0019 GREY CLAY SILT WBRG 0020

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN ( )	17 621882 4878615 <sup>N</sup>	2010/08 7241	01				3 5	7150386 (Z113342) A102898 BRWN SAND WBRG 0003 GREY SILT CLAY WBRG 0008
NEWMARKET TOWN ( )	17 621868 4878610 <sup>N</sup>	2010/08 7241	01				8 10	7150387 (Z113343) A102904 BRWN SAND DRY 0004 GREY SILT CLAY WBRG 0018
NEWMARKET TOWN ( )	17 622163 4875162 <sup>N</sup>	2010/09 6300	06		075 / 075 / 48:0		246 6.2	7152094 (Z106773) A081679 LOAM 0002 BRWN CLAY 0016 BLUE CLAY HARD 0080 GRVL 0083 BLUE CLAY SOFT 0120 BLUE CLAY SOFT 0140 BLUE CLAY HARD 0242 SAND CLN 0252 BLUE CLAY HARD 0280
NEWMARKET TOWN ( )	17 623348 4879607 <sup>N</sup>	2010/09 7215	02				10 -5	7153270 (Z121766) A103135 BRWN FILL WBRG 0004 GREY SAND CLAY WBRG 0010 GREY CLAY WBRG 0015
NEWMARKET TOWN ( )	17 623623 4879709 <sup>N</sup>	2010/10 7215	02				15 -10	7153287 (Z121772) A107424 BRWN FILL WBRG 0004 GREY SILT CLAY SAND 0010 GREY SILT CLAY WBRG 0015
NEWMARKET TOWN ( )	17 624248 4879925 <sup>N</sup>	2010/07 7215	02				17.5 - 10	7153288 (Z121773) A107421 0006 BRWN SAND 0002 BRWN TILL GRVL LOOS 0006 BRWN CLAY SILT WBRG 0011 GREY CLAY SILT WBRG 0018
NEWMARKET TOWN ( )	17 622335 4879271 <sup>N</sup>	2010/01 6809						7154732 (M05900) A089247
NEWMARKET TOWN ( )	17 623634 4879724 <sup>N</sup>	2010/11 7215						7156202 (Z122183) A107403
NEWMARKET TOWN ( )	17 623862 4878647 <sup>N</sup>	2011/01 2801						7158440 (Z115274)
NEWMARKET TOWN ( )	17 623660 4879034 <sup>N</sup>	2010/09 6032						7160227 (Z108881) A093907
NEWMARKET TOWN ( )	17 623666 4879476 <sup>N</sup>	2010/12 6607						7161238 (M07403) A110384
NEWMARKET TOWN ( )	17 624112 4879866 <sup>N</sup>	2011/03 7215						7161942 (Z127130) A108043
NEWMARKET TOWN ( )	17 622148 4879062 <sup>N</sup>	7241						7167636 (M10901) A116597
NEWMARKET TOWN ( )	17 622106 4879264 <sup>N</sup>	2009/10 7241	02					7133950 (M05318) A090996 GREY SILT TILL SOFT 0022
NEWMARKET TOWN ( )	17 623307 4879592 <sup>N</sup>	2009/10 7215					15 -10	7135380 (Z099675) A090861 BRWN FILL 0003 BRWN CLAY SAND 0010 GREY CLAY SAND 0015
NEWMARKET TOWN ( )	17 623291 4879590 <sup>N</sup>	2009/06 7215					5 10	7135381 (Z099637) A083730 SAND WBRG 0010 GREY SILT TILL 0015

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN ( )	17 623306 4879586 <sup>N</sup>	2009/10 7215					15 -10	7135382 (Z107446) A090860 BRWN FILL 0004 BRWN CLAY SAND 0010 GREY CLAY SAND 0015
NEWMARKET TOWN ( )	17 623679 4879723 <sup>N</sup>	2009/12 6607	02	FR 0005			3 12	7136490 (M00643) A092184 BRWN SAND GRVL FILL 0003 BRWN SAND SILT LOOS 0005 GREY SILT CLAY DNSE 0015
NEWMARKET TOWN ( )	17 624240 4879951 <sup>N</sup>	2009/11 6607						7136491 (M06212) A082760
NEWMARKET TOWN ( )	17 621865 4879147 <sup>N</sup>	2009/12 7215					20 -10	7136868 (Z107491) A093094 BRWN FILL ROCK 0004 BRWN CLAY SILT 0016 GREY CLAY SILT 0020
NEWMARKET TOWN ( )	17 623652 4879796 <sup>N</sup>	2009/12 7215					15 -10	7136869 (Z110019) A093156 BRWN FILL SAND 0004 BRWN CLAY SILT 0008 GREY CLAY SILT 0015
NEWMARKET TOWN ( )	17 623750 4879786 <sup>N</sup>	2009/12 7215					15 -10	7136870 (Z110020) A093099 BRWN FILL SAND 0008 BRWN CLAY SAND 0013 GREY CLAY SILT 0015
NEWMARKET TOWN ( )	17 622262 4879276 <sup>N</sup>	2009/12 7215					10 15	7136872 (Z107501) A093145 BRWN FILL GRVL LOOS 0005 BRWN SILT SAND 0015 GREY SILT CLAY 0025
NEWMARKET TOWN ( )	17 624115 4879886 <sup>N</sup>	2009/12 7215					17 -10	7136873 (Z107474) A093088 BRWN SAND LOOS 0008 BRWN CLAY STNS SAND 0012 GREY CLAY SAND WBRG 0017
NEWMARKET TOWN ( )	17 622188 4879264 <sup>N</sup>	2010/01 7215					10 10	7139929 (Z110054) A095353 BRWN FILL FILL LOOS 0010 GREY SAND CLAY WBRG 0020
NEWMARKET TOWN ( )	17 623185 4879566 <sup>N</sup>	2009/12 7215					16 -10	7139916 (Z107493) A093095 BRWN LOAM ---- 0004 BRWN SAND STNY DRY 0012 BRWN SAND WBRG 0015 GREY CLAY WBRG 0016
NEWMARKET TOWN ( )	17 623455 4879612 <sup>N</sup>	2009/12 7215					20 -10	7139917 (Z110031) A093082 BRWN FILL SAND ROCK 0004 BRWN SAND --- - ---- 0012 BRWN SAND WBRG 0018 GREY CLAY ---- 0020
NEWMARKET TOWN ( )	17 622224 4879366 <sup>N</sup>	2009/12 7215					20 -15	7139918 (Z110018) A093100 BRWN FILL ROCK SAND 0004 BRWN SILT CLAY ROCK 0020
NEWMARKET TOWN ( )	17 623540 4879674 <sup>N</sup>	2009/11 7215					5 10	7139923 (Z110029) A093146 BRWN SAND GRVL LOOS 0005 BRWN CLAY SAND SOFT 0010 GREY CLAY SILT ---- 0015
NEWMARKET TOWN ( )	17 624410 4880009 <sup>N</sup>	2009/12 7241	01				4 10	7138455 (Z106538) A085583 BRWN SAND SILT DNSE 0001 BRWN SILT SAND DNSE 0010 GREY CLAY SILT DNSE 0014
NEWMARKET TOWN ( )	17 624450 4880007 <sup>N</sup>	2009/12 7241	01				5 10	7138456 (Z106539) A085584 BRWN SAND SILT DNSE 0001 BRWN SILT SAND DNSE 0009 GREY CLAY SILT DNSE 0015

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN ( )	17 623268 4879606 <sup>N</sup>	2010/01 7241	01				6 10	7138472 (Z108735) A086592 BLCK ---- 0001 BRWN SAND GRVL DNSE 0006 GREY CLAY SILT LOOS 0012 GREY CLAY SILT DNSE 0016
NEWMARKET TOWN ( )	17 623255 4879626 <sup>N</sup>	2010/01 7241	01				6 10	7138473 (Z106592) A086754 BLCK ---- 0001 BRWN SAND GRVL DNSE 0009 GREY CLAY SILT DNSE 0016
NEWMARKET TOWN ( )	17 623577 4879549 <sup>N</sup>	2010/01 7241	01				5 10	7138474 (Z108734) A085458 BRWN LOAM SAND LOOS 0006 GREY CLAY SILT LOOS 0010 GREY CLAY SAND LOOS 0015
NEWMARKET TOWN ( )	17 622240 4879237 <sup>N</sup>	2010/01 7215					30 -15	7139995 (Z110068) A095363 BRWN FILL ---- 0004 BRWN TILL SLTY DRY 0016 BRWN TILL DRY 0026 BRWN CLAY SLTY WBRG 0030
NEWMARKET TOWN ( )	17 623521 4879641 <sup>N</sup>	2010/01 7215					20 -10	7139996 (Z110053) A093090 BRWN FILL ---- 0004 BRWN SAND SLTY DRY 0016 GREY CLAY SLTY WBRG 0020
NEWMARKET TOWN ( )	17 623394 4879651 <sup>N</sup>	2009/12 7215					15 -10	7139997 (Z110039) A095360 BRWN FILL DRY 0004 BRWN TILL SNDY WBRG 0008 GREY SAND WBRG 0015
NEWMARKET TOWN ( )	17 622445 4879198 <sup>N</sup>	2010/01 7241	02				3 13	7140610 (Z098137) A092382 BRWN SAND GRVL LOOS 0003 BRWN SILT FSND SOFT 0016
NEWMARKET TOWN ( )	17 622468 4879206 <sup>N</sup>	2010/01 7241	04				1 6	7140609 (Z098136) A085572 BRWN SAND GRVL LOOS 0001 BRWN SILT FSND HARD 0007
NEWMARKET TOWN ( )	17 622531 4879188 <sup>N</sup>	2010/01 7241	02				5 10	7140611 (Z106490) A084219 BRWN SAND GRVL LOOS 0003 BRWN SILT FSND SOFT 0015
NEWMARKET TOWN ( )	17 622884 4878310 <sup>N</sup>	2010/01 7241	01				10 10	7140535 (Z111799) A081084 GREY GRVL DNSE 0001 BRWN SAND SILT DNSE 0016 GREY SILT CLAY DNSE 0020
NEWMARKET TOWN ( )	17 622812 4878292 <sup>N</sup>	2010/01 7241	01				10 10	7140693 (Z111211) A091078 BRWN FILL ROCK LOOS 0003 BRWN CLAY SILT DNSE 0012 GREY CLAY WBRG DNSE 0020
NEWMARKET TOWN ( )	17 622034 4879212 <sup>N</sup>	2010/02 7215					16 -10	7141728 (Z110086) A095306 BRWN 0004 BRWN DRY 0010 BRWN 0016
NEWMARKET TOWN ( )	17 623802 4879734 <sup>N</sup>	2010/03 7215					15 -10	7141726 (Z110085) A095312 BRWN FILL 0006 BRWN SAND 0012 GREY CLAY SLTY WBRG 0015
NEWMARKET TOWN ( )	17 624214 4879943 <sup>N</sup>	2010/02 7215					20 -10	7141709 (Z112606) A095309 BRWN CLAY SAND SILT 0012 GREY CLAY SAND SOFT 0020
NEWMARKET TOWN ( )	17 622372 4879194 <sup>N</sup>	2010/03 7215					25 -15	7141727 (Z110084) A095315 BRWN FILL 0008 BRWN TILL DRY 0016 BRWN TILL CLAY 0022 GREY CLAY SLTY WBRG 0025

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN ( )	17 623410 4879622 <sup>N</sup>	2010/02 7215					20 -10	7141652 (Z110078) A095334 BRWN FILL 0003 BLCK CLAY 0010 GREY CLAY 0012 BRWN SAND ROCK WBRG 0016 GREY CLAY WBRG 0020
NEWMARKET TOWN ( )	17 624373 4880015 <sup>N</sup>	2010/02 7215					20 -10	7141667 (Z110077) A095348 BRWN FILL 0003 BRWN CLAY 0017 GREY CLAY 0020
NEWMARKET TOWN ( )	17 622563 4878368 <sup>N</sup>	2010/04 7241	02					7144313 (M07004) A091040 BRWN SAND GRVL FILL 0004 GREY CLAY SILT SOFT 0015
NEWMARKET TOWN ( )	17 622284 4879276 <sup>N</sup>	2010/03 7215					25 -10	7144736 (Z112591) A097533 BRWN FILL ---- 0002 BRWN MSND ---- 0020 GREY SILT SAND ---- 0025
NEWMARKET TOWN ( )	17 623387 4879620 <sup>N</sup>	2010/03 7215					15 -10	7144737 (Z110083) A095311 BRWN FILL ---- 0008 BRWN TILL DRY 0012 GREY CLAY WBRG 0015
NEWMARKET TOWN ( )	17 622309 4879301 <sup>N</sup>	2010/03 7215					15 15	7144738 (Z112578) A097546 BRWN GRVL SAND LOOS 0005 BRWN SAND SILT SOFT 0010 BRWN SILT SAND ---- 0025 GREY SAND SILT WBRG 0030
NEWMARKET TOWN ( )	17 624099 4879891 <sup>N</sup>	2010/03 7241	01				5 15	7144191 (Z106584) A096898 BLCK LOAM LOOS 0001 BRWN SAND GRVL LOOS 0006 BRWN SILT CLAY LOOS 0016 GREY CLAY SILT LOOS 0020
NEWMARKET TOWN ( )	17 623611 4879681 <sup>N</sup>	2010/04 7215	02				15 -10	7144697 (Z112545) A097567 BRWN FILL 0005 GREY CLAY SLTY 0015
AURORA TOWN (KING) YS W 01(085)	17 622350 4874460 <sup>N</sup>	1986/09 5459	06	FR 0096	020 / 095 006 / 2:10	DO	90 6	6918645 (01158) BRWN CLAY 0017 BLUE CLAY SOFT 0096 BRWN SAND MGRD 0102
AURORA TOWN (KING) YS W 01(085)	17 621452 4874451 <sup>L</sup>	2001/07 1413						6925955 (229801)
AURORA TOWN (KING) YS W 01(085)	17 621452 4874451 <sup>L</sup>	2001/06 1413	06	FR 0246	109 / 242 060 / 1:0	DO	238 6	6925902 (229786) BRWN LOAM SOFT 0001 BRWN CLAY SOFT 0016 GREY CLAY HARD 0056 GREY GRVL STNS BLDR 0073 GREY CLAY STNS HARD 0110 GREY CLAY HARD 0148 GREY CLAY DNSE 0217 BRWN MSND 0246
AURORA TOWN (KING) YS W 01(086)	17 620755 4874821 <sup>N</sup>	1960/07 4102	34	FR 0025	010 / 003 / :0	DO		6901580 ( ) CLAY STNS 0025 GRVL STNS 0032
AURORA TOWN (KING) YS W 01(086)	17 622016 4874965 <sup>N</sup>	1961/11 2310	04	FR 0157	030 / 070 005 / 8:0	PS	159 4	6901581 ( ) LOAM 0001 CLAY MSND 0015 BLUE CLAY 0148 CLAY GRVL 0157 MSND 0164
AURORA TOWN (KING) YS W 01(086)	17 621093 4874657 <sup>N</sup>	1962/01 4102	30	FR 0028	020 / 002 / :0	ST DO		6901582 ( ) BLUE CLAY 0028 GRVL 0033

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
AURORA TOWN (KING) YS W 01(086)	17 620527 4874477 <sup>N</sup>	1967/07 3414	05	FR 0350	200 / 220 010 / 6:0	DO	350 4	6901583 () CLAY GRVL 0065 SILT 0091 CLAY 0145 SILT CLAY 0170 BLUE CLAY 0230 CLAY 0315 CLAY GRVL 0345 CSND 0350 FSND 0353
AURORA TOWN (KING) YS W 01(086)	17 621283 4874784 <sup>N</sup>	1957/08 4823	05	FR 0020 FR 0310	070 / 095 003 / 36:0	DO	351 5	6901579 () LOAM 0001 YLLW CLAY MSND 0020 SILT MSND 0035 GREY CLAY 0300 GRVL 0301 BLUE CLAY 0310 SILT MSND 0343 MSND GRVL 0355
AURORA TOWN (KING) YS W 01(086)	17 622055 4875113 <sup>N</sup>	1976/09 2341	06	FR 0147	030 / 158 005 / 80:0	PS DO	162 3	6913488 () BRWN SAND STNS 0015 BLUE CLAY 0147 CLAY GRVL 0164 SAND 0169
AURORA TOWN (KING) YS W 01(086)	17 622027 4874748 <sup>N</sup>	1999/12 1663				NU		6925232 (213466)
AURORA TOWN (KING) YS W 01(086)	17 622020 4874750 <sup>N</sup>	1999/12 1663				NU		6925231 (213467)
AURORA TOWN (KING) YS W 01(086)	17 621975 4875041 <sup>N</sup>	1997/05 1413	06 00	FR 0267	/ 250 025 / 2:30	DO	264 3	6923894 (178054) BRWN CLAY HARD 0017 GREY CLAY SOFT 0140 BRWN CLAY SAND LYRD 0167 GREY CLAY HARD 0183 BRWN SAND GRVL CMTD 0194 GREY CLAY STNS HARD 0262 BRWN FSND CLN 0267
AURORA TOWN (KING) YS W 01(086)	17 621415 4874823 <sup>N</sup>	1983/11 3108	06	UK 0370	186 / 280 005 / 4:0	DO	376 6	6916809 () LOAM 0002 BRWN SAND CLAY 0026 BLUE CLAY 0081 BLUE SILT 0111 BLUE CLAY 0339 BLUE SAND CLAY 0344 BLUE CLAY 0370 BLUE FSND VERY 0384
AURORA TOWN (KING) YS W 01(086)	17 620465 4874558 <sup>N</sup>	2004/01 1663				NU		6927640 (Z07477)
AURORA TOWN (KING) YS W 01(086)	17 622019 4874751 <sup>N</sup>	1999/12 1663				NU		6925233 (213468)
AURORA TOWN (KING) YS W 01(086)	17 622015 4875023 <sup>N</sup>	1980/09 3108	06 05	UK 0165	067 / 082 010 / 5:0	PS	171 9	6915585 () PRDR 0163 SAND 0181
AURORA TOWN (KING) YS W 01(086)	17 620965 4874703 <sup>N</sup>	1971/04 1663	05 04	FR 0545	225 / 270 005 / 9:0	DO		6910570 () BRWN MSND CLAY 0035 BRWN GRVL MSND 0070 BLUE CLAY STNS 0465 BLUE CLAY MSND 0485 BLUE CLAY 0542 BLCK MSND SILT CLAY 0548
AURORA TOWN (WHITCHU CON 02(023)	17 624745 4874623 <sup>N</sup>	1970/08 3519	07	FR 0140	070 / 105 050 / 6:0	DO	156 4	6910211 () BLCK LOAM 0004 GREY CLAY 0060 GREY CLAY STNS MSND 0140 BRWN MSND 0160
AURORA TOWN (WHITCHU CON 02(023)	17 624731 4874637 <sup>N</sup>	2003/04 1663				NU		6926989 (253107)

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
AURORA TOWN (WHITCHU CON 02(024)	17 624780 4874420 <sup>N</sup>	1987/01 5459	06	UK 0200	/ 200 210 / 2:0	MN		6918731 (07648) BRWN CLAY SNDY 0023 GREY CLAY SLTY 0078 GREY CLAY SAND 0088 WHIT CLAY STNS 0102 GREY CLAY STNS 0113 WHIT CLAY STNS 0119 GREY CLAY SILT 0126 GREY CLAY SAND STNS 0161 GREY SAND STNS 0217 GREY CLAY SAND STNS 0224 GREY SAND STNS 0261 GREY CLAY SAND STNS 0271
AURORA TOWN (WHITCHU CON 02(025)	17 624704 4875743 <sup>N</sup>	1974/10 2407	07	FR 0190	/ 080 006 / 6:0	DO	190 3	6912558 () BLCK LOAM 0001 BLUE CLAY 0088 BLUE CLAY STNS 0130 BLUE CLAY 0190 BLUE CSND 0193
AURORA TOWN (WHITCHU CON 02(025)	17 624488 4875651 <sup>N</sup>	1962/06 4102	30	FR 0034	015 / 002 / :0	ST		6907519 () BLUE CLAY 0034 MSND 0038 BLUE CLAY 0045
AURORA TOWN (WHITCHU CON 02(025)	17 624815 4875793 <sup>N</sup>	1969/03 4231	30	FR 0008	008 / 013 002 / :0	DO		6909133 () BRWN CLAY 0008 CLAY MSND 0015
AURORA TOWN (WHITCHU CON 02(025)	17 624446 4875389 <sup>N</sup>	2004/07 5459	06					6928170 (Z16176) A016002
AURORA TOWN (WHITCHU CON 02(025)	17 624759 4875184 <sup>N</sup>	2003/08 1663				NU		6927314 (253133)
AURORA TOWN (WHITCHU CON 02(025)	17 624815 4875150 <sup>N</sup>	1999/10 3903				ST		6925194 (174098)
AURORA TOWN (WHITCHU CON 02(025)	17 624469 4875610 <sup>N</sup>	2008/01 1663	06			NU		7127907 (Z78003)
AURORA TOWN (WHITCHU CON 02(026)	17 624661 4875882 <sup>N</sup>	1991/08 4645	06	FR 0125	/ 120 015 / 2:0	DO	121 4	6921584 (91916) BRWN CLAY SILT SAND 0010 GREY CLAY SILT 0020 GREY SILT CLAY SOFT 0030 GREY CLAY STNS HARD 0075 GREY CLAY STNS 0121 BRWN SAND SILT MSND 0125
AURORA TOWN (WHITCHU YS E 01(072)	17 623875 4879523 <sup>N</sup>	1983/06 3903	05 06	FR 0154	067 / 150 020 / 4:0	DO	158 4	6916679 () BRWN CLAY SAND STNS 0098 BRWN SAND CLAY LYRD 0154 BRWN MSND LOOS 0162
AURORA TOWN (WHITCHU YS E 01(083)	17 624465 4874723 <sup>N</sup>	1968/07 3109	30	FR 0035	014 / / :0	DO		6908690 () LOAM 0002 CLAY MSND 0014 BLUE CLAY STNS 0034 CLAY MSND 0039
AURORA TOWN (WHITCHU YS E 01(083)	17 624495 4874673 <sup>N</sup>	1969/02 2310	05	FR 0103	040 / 060 008 / 2:0	DO	102 12	6909093 () PRDG 0026 GREY CLAY STNS 0068 MSND GRVL 0103 FSND 0114



TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
AURORA TOWN (WHITCHU YS E 01(084)	17 624381 4875373 <sup>N</sup>	1991/01 1413	06	FR 0182 FR 0222 FR 0270	049 / 083 400 / 30:30	NU	182 30	6921374 (91669) BRWN CLAY STNS PCKD 0017 GREY CLAY PCKD 0052 GREY CLAY STNS SLTY 0093 GREY CLAY STNS PCKD 0095 GREY SAND FSND 0097 GREY CLAY STNS SNDY 0103 GREY CLAY STNS PCKD 0126 GREY CLAY SILT 0127 GREY SAND FSND 0129 GREY CLAY SILT 0132 GREY SAND FSND 0134 GREY CLAY STNS SILT 0151 GREY CLAY STNS SNDY 0173 BRWN GRVL SAND CLN 0197 GREY CLAY PCKD 0200 BRWN SAND GRVL CLN 0240 GREY CLAY STNS SLTY 0245 GREY SAND GRVL SLTY 0297 GREY CLAY STNS SLTY 0305 GREY SAND GRVL CLN 0310 GREY CLAY STNS PCKD 0332 GREY SAND GRVL SILT 0336 GREY CLAY PCKD 0340
AURORA TOWN (WHITCHU YS E 01(084)	17 624355 4875013 <sup>N</sup>	1989/02 1413	06 06 06	FR 0180 FR 0220 FR 0275	052 / 074 550 / 10:15	CO	180 30	6920175 (49142) BRWN CLAY SNDY 0011 GREY CLAY SOFT 0086 GREY CLAY STNS SNDY 0116 GREY CLAY GVLY SNDY 0119 GREY CLAY STNS PCKD 0153 BRWN SAND GRVL LOOS 0216 GREY CLAY SNDY SOFT 0223 BRWN SAND GRVL LOOS 0264 GREY CLAY SAND SLTY 0274 BRWN SAND GRVL LOOS 0293 GREY CLAY DNSE 0309 GREY SAND SLTY 0310 GREY CLAY SAND PCKD 0320
AURORA TOWN (WHITCHU YS E 01(084)	17 623797 4875005 <sup>N</sup>	1998/07 1413						6924502 (188810)
AURORA TOWN (WHITCHU YS E 01(084)	17 624388 4875375 <sup>N</sup>	1991/01 1413				MN		6921375 (91672) BRWN CLAY STNS PCKD 0022 GREY CLAY STNS SLTY 0081 GREY CLAY STNS PCKD 0091 GREY CLAY GVLY HPAN 0098 GREY CLAY DNSE 0137 GREY CLAY STNS PCKD 0140 BRWN GRVL SAND CSND 0162 GREY CLAY STNS PCKD 0173 GREY SAND FSND 0205 BRWN SAND CGVL 0215 BRWN SAND FSND 0298 GREY SAND FSND SLTY 0332 GREY CLAY STNS PCKD 0340
AURORA TOWN (WHITCHU YS E 01(084)	17 623890 4874863 <sup>N</sup>	1955/08 2310	02	FR 0102	028 / 006 / 4:0	ST DO	102 4	6907444 () CLAY MSND 0002 GREY CLAY STNS 0012 GREY CLAY 0093 CLAY STNS 0102 GRVL MSND 0106

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
AURORA TOWN (WHITCHU YS E 01(085))	17 624381 4875373 <sup>N</sup>	1988/12 1413	06 06 06	FR 0280 FR 0201 FR 0231	047 / 075 600 / :0	MN	200 30	6920092 (49104) BRWN CLAY SNDY SOFT 0012 GREY CLAY SOFT 0074 GREY SAND GRVL LOOS 0124 GREY CLAY STNS PCKD 0131 GREY CLAY DNSE 0142 GREY CLAY STNS SLTY 0147 GREY CLAY DNSE 0156 BRWN SAND GRVL CLN 0216 GREY CLAY SAND SOFT 0221 BRWN GRVL SNDY CLN 0263 GREY CLAY SAND PCKD 0272 BRWN GRVL SNDY CLN 0311 GREY CLAY DNSE 0327 GREY CLAY STNS SLTY 0336 BRWN GRVL SAND SLTY 0348 GREY CLAY DNSE 0352 GREY CLAY STNS SNDY 0354 GREY CLAY DNSE 0368 GREY CLAY STNS SLTY 0379 GREY CLAY DNSE 0424 BRWN GRVL SAND LOOS 0463 GREY CLAY STNS SLTY 0481 GREY GRVL BLDR CMTD 0484 GREY LMSN HARD 0490
AURORA TOWN (WHITCHU YS E 01(085))	17 622684 4874900 <sup>N</sup>	1962/08 2310	04	FR 0095	033 / 050 015 / 2:0	DO	104 8	6907445 () RED CLAY 0014 GREY CLAY 0070 CLAY STNS 0095 GRVL 0112
AURORA TOWN (WHITCHU YS E 01(085))	17 623665 4875073 <sup>N</sup>	1976/11 2407	06	FR 0090	060 / 094 007 / 8:0	DO	87 7	6913767 () BLUE LOAM 0002 BLUE CLAY 0090 BLUE SAND 0097
AURORA TOWN (WHITCHU YS E 01(085))	17 622580 4875820 <sup>N</sup>	1987/01 1413	06	FR 0395	070 / 150 050 / 8:0	NU	400 12	6918439 () BRWN CLAY DNSE 0012 GREY CLAY SILT SOFT 0065 BRWN GRVL SAND PCKD 0075 GREY CLAY STNS HARD 0105 GREY CLAY STNS HARD 0177 GREY CLAY DNSE 0225 BRWN SAND CLN LOOS 0265 GREY CLAY SAND PCKD 0282 GREY SAND CLN LOOS 0285 GREY GRVL SAND CLN 0312 GREY GRVL PCKD 0358 GREY GRVL CLN LOOS 0365 GREY GRVL 0372 GREY CLAY DNSE 0375 GREY GRVL SAND PCKD 0380 GREY GRVL SAND CLN 0385 GREY GRVL SAND PCKD 0392 GREY CLAY SAND PCKD 0395 GREY SAND CLN 0398 GREY GRVL SAND CGRD 0408 GREY CLAY STNS CMTD 0415
AURORA TOWN (WHITCHU YS E 01(086))	17 623424 4875387 <sup>N</sup>	1956/04 2801	08			NU		6907447 () LOAM 0001 BRWN CLAY 0003 MSND GRVL CLAY 0006 BLUE CLAY 0037 BLUE CLAY MSND GRVL 0040 BLUE CLAY GRVL 0046 BLUE CLAY MSND GRVL 0138 BLUE CLAY MSND 0190 BLUE CLAY MSND GRVL 0195 BLUE CLAY 0275 BLUE CLAY GRVL 0283 BLUE CLAY 0334 BLUE CLAY GRVL 0340 MSND GRVL 0344
AURORA TOWN (WHITCHU YS E 01(086))	17 622965 4875423 <sup>N</sup>	1979/09 1350	06	FR 0220	040 / 065 020 / 2:0	DO	220 3	6915341 () GREY CLAY 0090 GREY CLAY SILT 0210 GREY CLAY GRVL HPAN 0220 BRWN SAND 0225

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
AURORA TOWN (WHITCHU YS E 01(086))	17 624215 4875923 <sup>N</sup>	1983/04 1350	06	FR 0165	015 / 042 030 / 1:30	ST	165 9	6916927 ( ) YLLW GRVL CLAY STNS 0016 GREY CLAY 0026 GREY SILT 0030 GREY CLAY 0106 GREY GRVL HPAN CLAY 0120 GREY CLAY 0165 BRWN GRVL SAND 0175
AURORA TOWN (WHITCHU YS E 01(086))	17 623564 4875615 <sup>N</sup>	1958/10 2310	04	FR 0171	/ 020 007 / 8:0	ST DO	171 4	6907448 ( ) CLAY 0060 CLAY MSND 0150 QSND 0165 CLAY 0171 MSND 0175
AURORA TOWN (WHITCHU YS E 01(086))	17 623394 4875534 <sup>L</sup>	2002/08 4102				NU		6926565 (245402)
AURORA TOWN (WHITCHU YS E 01(086))	17 623662 4875591 <sup>N</sup>	1974/06 2310	04	FR 0324	-001 / / :0	DO		6912092 ( ) PRDR 0175 BLUE CLAY 0220 BLUE CLAY SAND 0324 GRVL 0325
AURORA TOWN (WHITCHU YS W 01(085))	17 623196 4875253 <sup>N</sup>	1976/01 3108	06	UK 0094 UK 0250				6913293 ( ) BLCK LOAM 0003 BRWN CLAY SAND 0021 GREY CLAY SAND 0077 BLUE CLAY 0094 GRVL 0102 BLUE CLAY GRVL 0115 BLUE CLAY STNS 0209 BLUE CLAY 0248 BLUE SAND 0252
AURORA TOWN (WHITCHU 02(024))	17 624797 4875677 <sup>N</sup>	2006/10 7219						6931035 (Z53046) A047073
AURORA TOWN (WHITCHU 02(025))	17 624428 4875562 <sup>N</sup>	1988/04 1350	06	FR 0167	046 / 150 010 / 2:0	DO		6919534 (13518) GREY CLAY 0088 GREY GRVL SLTY CLAY 0116 GREY CLAY GRVL 0140 GREY CLAY 0160 BRWN SAND SLTY 0164 BRWN GRVL SAND 0167
AURORA TOWN (WHITCHU ( ))	17 624527 4875677 <sup>N</sup>	2005/05 6032	01			NU	40 5	6929137 (Z05319) A005130 SAND GRVL CLAY 0070
NEWMARKET TOWN (EAST CON 02(001))	17 623759 4879821 <sup>N</sup>	2011/06 7147						7166075 (Z124620) A106993
NEWMARKET TOWN (EAST CON 02(001))	17 623767 4879811 <sup>N</sup>	2011/06 7147						7166076 (Z124619) A106993
NEWMARKET TOWN (EAST CON 02(001))	17 623735 4879790 <sup>N</sup>	2011/07 7147						7167191 (M08179) A106993
NEWMARKET TOWN (EAST CON 02(001))	17 623647 4880191 <sup>N</sup>	1962/01 1413	06 06	FR 0112	-006 / 080 022 / 10:0	PS	117 3 113 4	6900018 ( ) BRWN CLAY 0010 BLUE CLAY SILT 0040 BLUE CLAY STNS 0080 CLAY GRVL 0100 GRVL 0112 MSND GRVL 0120
NEWMARKET TOWN (EAST CON 02(001))	17 624234 4880305 <sup>N</sup>	1961/11 1413	06					6900016 ( ) LOAM CLAY 0012 BLUE CLAY SILT 0045 CLAY GRVL 0053 BLUE CLAY 0196 GRVL 0205 BLUE CLAY 0240 HPAN 0260 BLCK SHLE 0265
NEWMARKET TOWN (EAST CON 02(001))	17 624113 4880183 <sup>N</sup>	1962/01 1413	06	FR 0065	-006 / 060 007 / 1:0	NU		6900017 ( ) MSND 0010 BLUE CLAY 0018 CLAY SILT 0055 CLAY FSND GRVL 0065

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>	WELL TAG #
NEWMARKET TOWN (EAST CON 02(001))	17 623815 4880023 <sup>N</sup>	1951/09 2801	04		004 / 014 005 / 8:0	NU	126 12	6900003 ( ) LOAM 0001 BRWN CLAY MSND GRVL 0016 BLUE CLAY 0078 BLUE CLAY MSND GRVL 0156 BLUE CLAY 0171 MSND GRVL 0183 SHLE 0184	
NEWMARKET TOWN (EAST CON 02(002))	17 624504 4880635 <sup>L</sup>	2004/01 6032	02			NU	59 3	6927578 (Z05560) A000243 BRWN SAND 0007 BRWN SILT TILL 0056 GREY SILT TILL 0059 GREY SAND 0062	
NEWMARKET TOWN (EAST CON 02(002))	17 623615 4880493 <sup>N</sup>	1970/11 3002	12	FR 0062 / 072 FR 0104	100 / 24:0	MN	107 8 115 8	6910143 ( ) BRWN LOAM MSND 0002 BLUE CLAY 0058 BLUE CLAY STNS 0062 GREY GRVL MSND 0063 GREY CLAY STNS 0104 GREY MSND GRVL CLAY 0105 GREY GRVL CLAY 0106 GREY GRVL CLAY STNS 0116 GREY MSND 0119 GREY GRVL STNS CLAY 0122 GREY MSND CLAY STNS 0125	
NEWMARKET TOWN (EAST CON 02(002))	17 624615 4880573 <sup>N</sup>	1968/02 2801	02	FR 0195	071 / 114 012 / 4:0	NU	198 11	6908989 ( ) BRWN CLAY MSND GRVL 0023 GREY CLAY GRVL 0056 GREY CLAY MSND GRVL 0156 GREY CLAY GRVL 0195 GRVL MSND FSND 0211 GREY CLAY MSND GRVL 0227 GREY CLAY 0240 GREY CLAY GRVL 0327 MSND GRVL 0328 GREY CLAY GRVL 0333 LMSN 0334	
NEWMARKET TOWN (EAST CON 02(002))	17 623784 4880295 <sup>N</sup>	1951/08 2801	05					6900001 ( ) LOAM 0001 BRWN CLAY MSND GRVL 0008 BLUE CLAY 0063 BLUE CLAY MSND GRVL 0279 BLCK SHLE 0280	
NEWMARKET TOWN (EAST CON 02(002))	17 624024 4880457 <sup>N</sup>	1961/10 1413	05	FR 0128	-002 / 060 032 / 10:0	PS	120 8	6900015 ( ) LOAM CLAY 0020 BLUE CLAY 0116 GRVL SILT 0128	
NEWMARKET TOWN (EAST CON 02(002))	17 623646 4880191 <sup>N</sup>	1955/12 3414	04	FR 0138	/ 132 002 / 4:0	DO	135 3	6900040 ( ) PRDG 0038 GREY CLAY 0086 GRVL 0109 SILT CLAY 0131 GRVL SILT CLAY 0138	
NEWMARKET TOWN (EAST CON 02(002))	17 623593 4880548 <sup>N</sup>	1962/02 1413	06	FR 0120	-006 / 035 060 / 24:0	PS	108 12	6900044 ( ) BRWN CLAY 0010 BLUE CLAY SILT 0040 BLUE CLAY STNS 0080 CLAY GRVL 0105 CSND GRVL 0120	
NEWMARKET TOWN (EAST CON 02(002))	17 624022 4880457 <sup>N</sup>	1961/11 1413	07					6900046 ( ) YLLW CLAY 0020 BLUE CLAY 0116 CLAY GRVL 0132 BLUE CLAY 0275 BLCK SHLE 0276	
NEWMARKET TOWN (EAST CON 02(002))	17 623596 4880521 <sup>N</sup>	1967/06 2801	02	FR 0104	/ 030 / 0:30	NU	116 11	6900050 ( ) LOAM MUCK GRVL 0007 GREY CLAY 0012 GRVL MSND 0013 GREY CLAY 0057 CLAY GRVL MSND 0060 FSND GRVL 0065 GREY CLAY GRVL BLDR 0070 GREY CLAY MSND 0099 MSND GRVL BLDR 0104 MSND GRVL 0119 CLAY MSND GRVL 0122 GRVL MSND BLDR 0127 GREY CLAY GRVL 0177 GREY CLAY 0225 GREY CLAY MSND GRVL 0257 BLCK SHLE 0261	

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN (EAST CON 02(003))	17 624424 4881049 <sup>u</sup>	2003/06 4102				NU		6927186 (245422)
NEWMARKET TOWN (EAST CON 02(003))	17 624815 4881353 <sup>w</sup>	1969/02 3414	06	UK 0040		PS		6909150 () GREY SILT 0029 SILT BLDR 0037 BLDR 0040 SILT GRVL 0084 SILT 0113 CLAY 0146 CLAY GRVL 0155 SILT GRVL 0184 MSND SILT 0186
NEWMARKET TOWN (EAST CON 02(003))	17 624465 4881243 <sup>w</sup>	1968/10 1413	06	FR 0149	/ 015 / 6:0	PS	145 4	6909016 () BRWN CLAY 0018 BLUE CLAY STNS 0140 BLDR 0142 BLUE QSND 0144 BLCK CSND 0149
NEWMARKET TOWN (EAST CON 02(003))	17 624502 4881091 <sup>w</sup>	1956/04 3107	30	FR 0018	010 / / :0	DO		6900052 () YLLW MSND 0006 BLDR 0007 BLUE CLAY 0017 MSND STNS 0018
NEWMARKET TOWN (EAST CON 02(003))	17 624508 4881075 <sup>w</sup>	1956/04 3107	30	FR 0018	010 / / :0	DO		6900053 () YLLW CLAY 0003 BLDR 0005 BLUE CLAY 0017 STNS MSND 0018
NEWMARKET TOWN (EAST CON 02(003))	17 624460 4881084 <sup>w</sup>	1967/05 2801	02	FR 0061	/ 012 027 / 2:0	NU	65 10	6900069 () BRWN CLAY GRVL 0005 GREY CLAY MSND GRVL 0056 FSND 0060 GREY CLAY 0061 FSND CLAY MSND 0088 GRVL 0089 CLAY MSND 0096 CLAY MSND GRVL 0098 CLAY MSND 0102 MSND GRVL 0107 GREY CLAY GRVL 0109 GREY CLAY 0156 GRVL MSND BLDR 0160 GREY CLAY 0164 MSND GRVL 0175 GREY CLAY 0180 FSND 0191 GREY CLAY MSND 0212 GREY CLAY 0273 BLCK SHLE 0274
NEWMARKET TOWN (EAST CON 02(003))	17 623624 4880618 <sup>w</sup>	1967/06 2801	02					6900070 () BRWN CLAY 0005 GREY CLAY 0060 GREY CLAY MSND GRVL 0161 GREY CLAY GRVL 0183
NEWMARKET TOWN (EAST CON 02(004))	17 624016 4881288 <sup>w</sup>	1963/11 4610	07	FR 0035 FR 0088	-005 / 094 008 / 8:30	NU		6900071 () LOAM 0001 GREY CLAY 0018 BLUE CLAY MSND 0041 BLUE CLAY 0088 GREY MSND 0105 GREY CLAY 0212
NEWMARKET TOWN (EAST YS E 01(096))	17 621881 4879244 <sup>w</sup>	1959/04 1413	07	FR 0385	070 / 102 060 / 24:0	MN	365 20	6900693 () CLAY 0015 CLAY MSND 0068 HPAN 0150 BLUE CLAY 0220 HPAN 0360 CSND 0385
NEWMARKET TOWN (EAST YS E 01(096))	17 623479 4879720 <sup>w</sup>	1961/03 1413	06	FR 0097	012 / 082 012 / 8:0	IN	89 8	6900694 () BLUE FILL CLAY 0010 MUCK 0015 CLAY 0035 SILT GRVL 0055 BLUE CLAY STNS 0085 FSND 0097
NEWMARKET TOWN (EAST YS E 01(096))	17 622456 4879349 <sup>w</sup>	2010/09 7215	02				20 -10	7152526 (Z121735) A103155 BRWN FILL LOOS 0001 BRWN CLAY SILT DNSE 0014 GREY CLAY SILT SOFT 0020
NEWMARKET TOWN (EAST YS E 01(096))	17 623464 4879684 <sup>w</sup>	2010/09 7215	02				12 -5	7152527 (Z121734) A103153 BRWN FILL LOOS 0002 BRWN SAND LOOS 0010 GREY CLAY SOFT 0012

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>	WELL TAG #
NEWMARKET TOWN (EAST YS E 01(096)	17 623245 4879810 <sup>N</sup>	1999/09 2801				MN		6925065 (173497)	
NEWMARKET TOWN (EAST YS E 01(096)	17 623504 4879774 <sup>N</sup>	1973/06 2310	04	FR 0069	050 / 075 005 / 1:0	DO	72 4	6911798 () PRDR 0069 SAND 0079	
NEWMARKET TOWN (EAST YS E 01(096)	17 623636 4879907 <sup>N</sup>	1975/07 3108	07	UK 0112	031 / 085 020 / 4:0	IR	118 4	6912829 () LOAM 0004 BRWN CLAY SAND 0017 BLUE CLAY SAND 0059 BLUE CLAY GRVL 0063 GRVL SAND 0079 GREY CLAY SAND 0111 CSND GRVL 0122	
NEWMARKET TOWN (EAST YS E 01(096)	17 623629 4879956 <sup>N</sup>	1949/06 2310	02	FR 0120	/ / 3:0	DO	96 24	6900678 () MSND GRVL 0030 CLAY 0110 MSND 0120	
NEWMARKET TOWN (EAST YS E 01(096)	17 621954 4879337 <sup>N</sup>	1950/05 1622	02	FR 0110	030 / 030 / 2:30	DO	105 5	6900679 () LOAM 0001 YLLW CLAY 0035 FSND 0070 BLUE CLAY 0102 CSND 0110	
NEWMARKET TOWN (EAST YS E 01(096)	17 623346 4879934 <sup>N</sup>	1953/05 2801	04	FR 0078	/ 036 030 / 5:0	NU	73 16	6900680 () FILL 0012 BLCK MUCK 0015 SILT CLAY 0024 BLUE CLAY GRVL BLDR 0058 BLUE CLAY 0066 CLAY GRVL 0070 CLAY BLDR 0076 GRVL 0078 CLAY 0080 GRVL 0084 CLAY 0085 GRVL 0089 CLAY GRVL 0102	
NEWMARKET TOWN (EAST YS E 01(096)	17 623342 4879950 <sup>N</sup>	1953/05 2801	08					6900681 () FILL 0012 MUCK 0015 BLUE CLAY SILT 0024 CLAY GRVL BLDR 0076 GRVL 0078 CLAY 0080 GRVL 0084 CLAY 0085 GRVL 0089 CLAY GRVL BLDR 0108 GRVL BLDR 0117 CLAY GRVL BLDR 0243 GRVL 0246 CLAY GRVL BLDR 0276 SHLE 0278	
NEWMARKET TOWN (EAST YS E 01(096)	17 623308 4880036 <sup>N</sup>	1953/06 2801	08					6900682 () LOAM 0001 BRWN CLAY MUCK 0005 BLUE CLAY GRVL MSND 0012 BLUE CLAY BLDR GRVL 0013 FSND GRVL 0022 BLUE CLAY BLDR GRVL 0023 FSND 0034 BLUE CLAY GRVL FSND 0052 BLUE CLAY MSND GRVL 0071 BLUE CLAY 0079 BLUE CLAY GRVL 0083 FSND 0090 BLUE CLAY GRVL 0096 GRVL MSND 0097 FSND 0113 GRVL MSND CLAY 0122 BLUE CLAY GRVL 0178 BLUE CLAY 0216 GRVL MSND CLAY 0222 MSND GRVL 0223 GRVL MSND CLAY 0239 MSND GRVL CLAY 0248 MSND GRVL BLDR 0264	

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN (EAST YS E 01(096)	17 623331 4880013 <sup>N</sup>	1953/06 2801	04	FR 0120	/ 035 132 / 4:30	NU	105 15	6900683 () LOAM 0001 BRWN CLAY MSND 0010 BLUE CLAY MSND GRVL 0024 GRVL MSND CLAY 0045 BLDR CLAY GRVL 0046 GRVL FSND CLAY 0055 BLUE CLAY GRVL BLDR 0057 BLUE CLAY FSND BLDR 0065 MSND GRVL BLDR 0069 BLUE CLAY 0075 MSND SILT 0080 BLUE CLAY 0086 MSND SILT CLAY 0097 BLUE CLAY MSND SILT 0100 MSND GRVL CLAY 0112 GRVL CLAY BLDR 0119 MSND GRVL CLAY 0120
NEWMARKET TOWN (EAST YS E 01(096)	17 623321 4880011 <sup>N</sup>	1953/07 2801	04	FR 0045	005 / 024 053 / 8:0	NU		6900684 () LOAM 0001 BRWN CLAY MSND 0009 GRVL MSND BLDR 0013 BLUE CLAY MSND SILT 0019 BLUE CLAY GRVL 0025 BLUE CLAY SILT 0035 GRVL MSND 0044 GRVL BLDR 0046 CLAY SILT GRVL 0057 BLUE CLAY GRVL 0059
NEWMARKET TOWN (EAST YS E 01(096)	17 623321 4880010 <sup>N</sup>	1953/08 2801	04 04				112 10 122 19	6900685 () LOAM 0001 BRWN CLAY 0010 BLUE CLAY GRVL 0023 CLAY SILT GRVL 0045 GRVL FSND BLDR 0050 BLUE CLAY MSND GRVL 0065 BLUE CLAY 0077 MSND SILT CLAY 0082 BLUE CLAY 0086 MSND SILT 0091 MSND SILT CLAY 0097 BLDR GRVL MSND 0098 CLAY MSND GRVL 0110 BLDR MSND GRVL 0122 MSND GRVL 0125 BLUE CLAY GRVL 0141 BLUE CLAY 0217 GRVL BLDR CLAY 0224 MSND GRVL 0226 GRVL BLDR CLAY 0234 MSND GRVL CLAY 0249
NEWMARKET TOWN (EAST YS E 01(096)	17 621849 4879307 <sup>N</sup>	1956/08 1622	04	FR 0240	022 / 200 012 / :0	DO		6900686 () FILL 0006 CLAY 0075 MSND 0105 BLUE CLAY 0240 GRVL 0244
NEWMARKET TOWN (EAST YS E 01(096)	17 622302 4879484 <sup>N</sup>	1957/09 1413	06	FR 0333	063 / 185 020 / 24:0	MN	311 22	6900687 () LOAM 0003 BRWN CLAY 0030 HPAN 0070 BLDR 0075 HPAN 0105 BLDR 0114 HPAN 0215 BLUE CLAY 0238 FSND 0240 HPAN 0304 BLCK FSND 0333
NEWMARKET TOWN (EAST YS E 01(096)	17 622028 4879293 <sup>N</sup>	1957/10 1413	06	FR 0248	035 / 160 040 / 24:0	MN	240 8	6900688 () CLAY 0087 CLAY GRVL 0095 HPAN STNS 0238 SILT 0240 GRVL 0248
NEWMARKET TOWN (EAST YS E 01(096)	17 621996 4879215 <sup>N</sup>	1958/02 4813	06	FR 0189	030 / 040 030 / 4:30	CO	190 4	6900689 () FILL MSND 0007 BRWN CLAY 0015 GREY CLAY 0051 GRVL 0109 MSND STNS 0116 BLUE CLAY 0182 HPAN 0189 GRVL 0195
NEWMARKET TOWN (EAST YS E 01(096)	17 622123 4879610 <sup>N</sup>	1958/06 1413	07	FR 0287	054 / 060 090 / 28:0	MN	267 20	6900690 () CLAY 0020 BLUE CLAY 0048 SILT BLDR 0066 BLUE CLAY 0080 HPAN 0188 BLUE CLAY 0245 HPAN 0266 GRVL 0270 CSND 0287



TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN (EAST YS E 01(096)	17 621774 4879228 <sup>w</sup>	1958/06 3414	04	FR 0257	039 / 220 008 / 6:0	CO	257 4	6900691 ( ) CLAY SILT 0081 CLAY 0257 GRVL MSND CLAY 0261
NEWMARKET TOWN (EAST YS E 01(096)	17 623271 4880106 <sup>w</sup>	1959/03 1413	06	FR 0090	015 / 024 012 / 8:0	MN		6900692 ( ) BLUE FILL CLAY 0004 LOAM MSND 0008 BRWN CLAY 0017 HPAN 0032 CLAY SILT 0060 BLUE CLAY 0082 CLAY SILT 0086 BLUE CLAY 0090 BLCK CSND 0091
NEWMARKET TOWN (EAST YS E 01(097)	17 621765 4879523 <sup>w</sup>	1978/07 2801	16 10 10	FR 0254	100 / 147 008 / 24:0	MN	276 5	6915134 ( ) CLAY 0023 CLAY SAND 0040 FSND 0044 CLAY SAND 0082 CLAY SAND GRVL 0100 CLAY GRVL PCKD 0119 GRVL CMTD 0133 CLAY GRVL 0144 GRVL CMTD 0149 CLAY GRVL 0254 SAND PCKD 0264 GRVL SAND 0273 GRVL SAND CLAY 0283 SAND GRVL 0321 SAND GRVL PCKD 0325 GRVL SHLE CMTD 0327
NEWMARKET TOWN (EAST YS E 01(097)	17 621615 4879823 <sup>w</sup>	1978/03 2801	02	FR 0253	093 / 099 020 / 3:0	NU MN	308 15	6914462 ( ) BRWN CLAY STNS 0023 GREY CLAY 0056 GREY CLAY GRVL LYRD 0099 GREY FSND CLAY FGVL 0117 GREY CLAY FGVL LYRD 0253 FSND PCKD 0272 FGVL SAND 0273 GREY CLAY FSND LYRD 0277 FSND FGVL 0310 GRVL SAND 0317 SAND GRVL CMTD 0329 GRVL SAND BLDR 0337 BLDR 0338
NEWMARKET TOWN (EAST YS E 01(097)	17 622584 4879985 <sup>u</sup>	2002/11 4102						6926806 (245414)
NEWMARKET TOWN (EAST YS E 01(097)	17 623299 4880456 <sup>w</sup>	1959/08 2626	02		004 / 009 002 / 3:0	DO		6900695 ( ) PRDG 0020 GREY CLAY 0110 CSND 0120
NEWMARKET TOWN (EAST YS E 01(097)	17 621646 4879749 <sup>w</sup>	1960/05 4102	30	FR 0010	010 / 002 / :0	DO		6900696 ( ) BLUE CLAY 0010 FSND 0020
NEWMARKET TOWN (EAST YS E 01(097)	17 623108 4880220 <sup>w</sup>	1965/04 3414	04	FR 0119	-004 / 040 008 / 3:0	IR	115 4	6900697 ( ) LOAM 0001 CLAY 0058 SILT MSND 0114 CSND 0119
NEWMARKET TOWN (EAST YS E 01(098)	17 623263 4880406 <sup>w</sup>	1965/09 4102	30	FR 0031	031 / 003 / :0	DO		6900700 ( ) BLUE CLAY 0031 GRVL MSND 0033 BLUE CLAY 0050
NEWMARKET TOWN (EAST YS E 01(098)	17 623235 4880465 <sup>w</sup>	1962/11 3414	04	FR 0145	010 / 100 010 / 7:0	ST	141 4	6900699 ( ) LOAM 0002 CLAY BLDR 0017 CLAY 0111 SILT GRVL 0139 CSND 0145

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN (EAST YS E 01(098)	17 623220 4880463 <sup>N</sup>	1956/04 2801	08			NU		6900698 ( ) LOAM 0001 RED MSND 0006 BRWN CLAY MSND 0009 BRWN CLAY GRVL 0013 BLUE CLAY 0056 BLUE CLAY GRVL 0057 BLUE CLAY MSND GRVL 0064 BLUE CLAY 0069 BLUE CLAY MSND GRVL 0073 BLUE CLAY 0089 FSND 0092 BLUE CLAY MSND GRVL 0101 BLUE CLAY GRVL 0103 BLUE CLAY 0105 GRVL MSND CLAY 0107 BLUE CLAY MSND 0110 BLUE CLAY 0112 BLUE CLAY MSND GRVL 0117 MSND GRVL BLDR 0119 BLUE CLAY MSND GRVL 0175 BLUE CLAY MSND 0183 BLUE CLAY MSND 0196 BLUE CLAY MSND GRVL 0244 MSND GRVL 0249
NEWMARKET TOWN (EAST YS E 01(098)	17 621553 4880244 <sup>N</sup>	1951/09 2310	02	FR 0174	040 / 005 / 6:0	DO	174 8	6907461 ( ) CLAY STNS 0040 GREY CLAY 0135 CLAY STNS 0174 GRVL MSND 0182
NEWMARKET TOWN (EAST YS E 01(098)	17 621615 4879973 <sup>N</sup>	1970/05 3109	30	FR 0048	008 / / :0	DO		6909964 ( ) LOAM 0002 BRWN CLAY STNS 0023 BLUE CLAY STNS 0056
NEWMARKET TOWN (EAST YS E 01(099)	17 621674 4880495 <sup>N</sup>	1964/10 1413	05	FR 0142	048 / 061 009 / 7:0	DO ST	138 4	6900702 ( ) BRWN CLAY 0023 BLUE CLAY 0070 BLUE CLAY STNS 0104 BLUE CLAY SILT 0125 MSND 0142
NEWMARKET TOWN (EAST YS E 01(099)	17 623280 4881262 <sup>N</sup>	1975/10 2801				PS		6913275 ( ) BRWN CLAY GRVL 0006 BRWN SAND GRVL CLAY 0012 GREY CLAY GRVL 0094 GREY SILT 0105 GREY CLAY GRVL 0163 GREY CLAY GRVL 0247 GREY CLAY SHLE LMSN 0257 BLCK SHLE 0258
NEWMARKET TOWN (EAST YS E 01(099)	17 621669 4880490 <sup>N</sup>	1964/09 4102	30					6900701 ( ) BLUE CLAY 0060
NEWMARKET TOWN (EAST YS W 01(096)	17 619635 4879059 <sup>N</sup>	1987/10 3108	06	FR 0465	172 / 445 015 / 2:0	PS		6919042 (13860) BRWN CLAY STNS 0014 BLUE CLAY SNDY STNS 0078 SAND 0084 BLUE CLAY SNDY 0132 BLUE CLAY 0208 BLUE CLAY SNDY 0425 BRWN CLAY 0440 BLUE SHLE 0470
NEWMARKET TOWN (EAST YS W 01(096)	17 621015 4879023 <sup>N</sup>	1979/08 1711	05	FR 0120	045 / 070 010 / 3:0	DO	131 4	6915175 ( ) GREY CLAY STNS 0027 BLUE CLAY STNS 0102 BLUE CLAY 0120 GREY SAND CLAY STNS 0137
NEWMARKET TOWN (EAST YS W 01(097)	17 621464 4879649 <sup>N</sup>	1959/04 3414	04	FR 0436	120 / 232 003 / 7:0	DO	428 8	6900761 ( ) LOAM 0001 BRWN CLAY BLDR 0120 MSND CLAY 0190 BLUE CLAY 0250 MSND CLAY 0428 MSND 0436 BLUE CLAY 0445 BRWN SHLE 0465
NEWMARKET TOWN (EAST YS W 01(097)	17 621249 4879575 <sup>N</sup>	2004/09 1663	36		012 / / :0			6928240 (Z13110) YLLW 0029 BRWN SAND CLAY SILT 0006 YLLW 0005 BRWN CLAY SAND SILT 0000 0000

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN (EAST YS W 01(097)	17 621559 4879735 <sup>N</sup>	1963/08 3109	30	FR 0038	022 / 001 / :0	DO		6900762 ( ) LOAM 0002 CLAY 0023 BLUE CLAY STNS 0038 MSND 0039 BLUE CLAY STNS 0053
NEWMARKET TOWN (EAST YS W 01(097)	17 621375 4879620 <sup>N</sup>	2000/04 4102						6925386 (140333) CLAY 0008 UNKN 0010 SAND CLAY 0014 UNKN 0016 GRVL 0022 CLAY SAND 0031
NEWMARKET TOWN (EAST YS W 01(098)	17 620499 4879744 <sup>L</sup>	1947/09 1337	02	FR 0080	006 / 026 002 / 4:0	ST DO		6900763 ( ) LOAM 0001 CLAY 0012 GRVL 0040 GRVL MSND 0079 SHLE 0080
NEWMARKET TOWN (EAST YS W 01(098)	17 621349 4879790 <sup>N</sup>	1999/05 1663				NU		6925045 (206271) BRWN CLAY SNDY 0000 YLLW UNKN 0005 BRWN CLAY SNDY 0012 YLLW UNKN 0024 BRWN CLAY SNDY 0032 YLLW UNKN 0090
NEWMARKET TOWN (EAST YS W 01(098)	17 622507 4880407 <sup>L</sup>	1999/05 1663				NU		6925044 (206266) BRWN CLAY CMTD 0000 YLLW UNKN 0007 BRWN CLAY SNDY 0008 YLLW UNKN 0019
NEWMARKET TOWN (EAST YS W 01(098)	17 621405 4879893 <sup>N</sup>	1970/08 2310	05					6910045 ( ) GREY CLAY 0020 BLUE CLAY 0046 BLUE CLAY GRVL 0080 BLUE CLAY MSND 0250
NEWMARKET TOWN (EAST YS W 01(099)	17 620417 4880148 <sup>L</sup>	1991/11 1663						6921804 (110083)
NEWMARKET TOWN (EAST YS W 01(099)	17 621115 4880523 <sup>N</sup>	1983/09 5459	06	FR 0430	149 / 432 005 / 5:0	IN	432 6	6917029 ( ) BRWN CLAY SNDY 0017 BLUE CLAY SNDY 0044 BLUE CLAY STNS DRY 0298 WHIT CLAY STNS SAND 0319 BLUE CLAY SAND STNS 0397 WHIT CLAY STNS GRVL 0425 BLUE CLAY STNS 0430 GREY SAND STNS CLN 0439 BLUE CLAY SAND STNS 0443
NEWMARKET TOWN (EAST YS W 01(099)	17 621115 4880523 <sup>N</sup>	1983/09 5459						6917028 ( ) BRWN CLAY SNDY 0011 BLUE CLAY SILT 0052 BLUE CLAY STNS DRY 0282 GREY SAND SILT DRTY 0305 WHIT CLAY STNS GRVL 0331 BLUE CLAY SILT 0378 BLUE CLAY STNS SNDY 0428 BLUE CLAY STNS 0436 BLUE CLAY STNS SNDY 0438 BLCK SHLE 0455
NEWMARKET TOWN (EAST YS W 01(099)	17 621285 4879960 <sup>N</sup>	2000/05 1663				NU		6925428 (213505)
NEWMARKET TOWN (EAST ( )	17 621665 4879707 <sup>N</sup>	2005/11 7215					20 -10	6929751 (Z33975) A019797
NEWMARKET TOWN (EAST ( )	17 623862 4881190 <sup>N</sup>	2006/04 6875	04	FR 0049	/ 037 001 / 2:0	NU	32 28	6930275 (Z16941) A022570 GREY CLAY SAND LOOS 0060
NEWMARKET TOWN (EAST ( )	17 622407 4879315 <sup>N</sup>	7215						7164308 (Z133639) A113896
NEWMARKET TOWN (EAST ( )	17 623964 4879951 <sup>N</sup>	2011/05 7241						7163818 (Z131917) A104537

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN (EAST ( )	17 622803 4879470 <sup>N</sup>	2010/07 7215	02				18 -10	7153271 (Z116355) A103100 BRWN FILL 0001 BRWN SAND SILT WBRG 0003 BRWN SILT SAND WBRG 0010 BRWN SILT SAND PCKD 0018
NEWMARKET TOWN (EAST ( )	17 624045 4879937 <sup>N</sup>	2011/05 7241						7163817 (Z131916) A111626
NEWMARKET TOWN (EAST ( )	17 624044 4879926 <sup>N</sup>	2011/05 7241						7163816 (Z131918) A11520
NEWMARKET TOWN (EAST ( )	17 621702 4879474 <sup>N</sup>	2010/12 7230						7163453 (M08064) A106818
NEWMARKET TOWN (EAST ( )	17 622444 4879337 <sup>N</sup>	2011/04 7215						7162961 (Z129059) A112008
NEWMARKET TOWN (EAST ( )	17 624065 4879878 <sup>N</sup>	2010/07 7215						7159580 (Z116335) A103147
NEWMARKET TOWN (EAST ( )	17 623263 4879603 <sup>N</sup>	2010/03 6809						7154747 (M06657) A095430
NEWMARKET TOWN (EAST ( )	17 624072 4879877 <sup>N</sup>	2010/03 6809						7154455 (M06653) A095432
NEWMARKET TOWN (EAST ( )	17 621170 4879324 <sup>N</sup>	2010/04 7215	02				25.5 - 15.5	7153331 (Z112568) A097570 BRWN FILL ROCK SAND 0004 BRWN SILT CLAY WBRG 0020 GREY SILT CLAY WBRG 0026
NEWMARKET TOWN (EAST ( )	17 623818 4879803 <sup>N</sup>	2010/07 7215	02				15 -10	7153286 (Z121767) A107423 BRWN LOAM 0002 BRWN TILL SILT GRVL 0005 BRWN CLAY SILT SOFT 0009 GREY CLAY SILT SOFT 0015
NEWMARKET TOWN (EAST ( )	17 621670 4879647 <sup>N</sup>	2005/08 7215	01				20 -15	6929453 (Z33963) A019776
NEWMARKET TOWN (EAST ( )	17 623321 4879873 <sup>N</sup>	2005/04 7241	02				8 10	6928981 (Z25306) A024923 BRWN GRVL LOOS FILL 0004 BRWN CLAY CLAY HARD 0012 GREY CLAY SOFT CLAY 0018
NEWMARKET TOWN (EAST ( )	17 621367 4880580 <sup>N</sup>	2011/08 7241						7168033 (M10138) A086640
NEWMARKET TOWN (EAST ( )	17 623830 4881212 <sup>N</sup>	2005/02 6809	02				39 5	6928740 (Z11227) A011178 BLCK FILL STNS 0020 GREY SILT SAND 0044
NEWMARKET TOWN (EAST ( )	17 624076 4879899 <sup>N</sup>	2006/11 7215	01				25 -15	6931079 (Z50076) A051150
NEWMARKET TOWN (KING YS W 01(087)	17 620511 4874854 <sup>N</sup>	2011/05 1663						7166429 (Z123020) A116228

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN (KING YS W 01(087))	17 620911 4874935 <sup>W</sup>	2008/06 1663	06	0337	254 / 299 011 / 1:0	DO	353 5	7130451 (Z83476) A075076 BRWN SAND 0016 BRWN CLAY SILT 0023 GREY CLAY GRVL 0078 BRWN SAND CLAY 0097 GREY SILT CLAY 0272 BRWN SAND STNS CLAY 0283 GREY CLAY GRVL 0337 GREY FSND SILT LYRD 0358
NEWMARKET TOWN (KING YS W 01(087))	17 622235 4875673 <sup>W</sup>	1968/04 2310	04	FR 0245	028 / 050 010 / 2:0	DO	242 7	6908544 () GREY CLAY 0014 BLUE CLAY 0106 BLUE CLAY GRVL STNS 0203 BLUE CLAY 0245 MSND 0249
NEWMARKET TOWN (KING YS W 01(087))	17 622193 4875494 <sup>W</sup>	1959/04 2310	04	FR 0248	004 / 009 012 / 5:0	DO	250 4	6901584 () YLLW CLAY 0085 STNS 0160 GREY CLAY 0240 CLAY 0248 MSND 0254
NEWMARKET TOWN (KING YS W 01(087))	17 621299 4875271 <sup>L</sup>	1949/05 2210	02					6901585 () YLLW CLAY 0015 BLUE CLAY 0105 HPAN GRVL 0121
NEWMARKET TOWN (KING YS W 01(087))	17 620634 4874945 <sup>W</sup>	1964/02 3109	30	FR 0042	028 / 001 / :0	DO		6901590 () LOAM 0002 CLAY 0012 CLAY MSND 0040 MSND 0045
NEWMARKET TOWN (KING YS W 01(087))	17 622313 4875535 <sup>W</sup>	1963/10 2310	04	FR 0227	015 / 080 008 / 1:0	DO	230 4	6901589 () LOAM 0002 GREY CLAY 0022 BLUE CLAY 0115 MSND GRVL CLAY 0132 CLAY MSND 0175 BLUE CLAY 0220 CLAY GRVL 0227 CSND 0235
NEWMARKET TOWN (KING YS W 01(087))	17 620544 4874884 <sup>W</sup>	1963/06 2310	04					6901588 () CLAY MSND 0070 CLAY FSND 0080 CLAY MSND STNS 0300 CLAY STNS 0525
NEWMARKET TOWN (KING YS W 01(087))	17 622027 4875478 <sup>W</sup>	1962/07 4102	34	FR 0030	010 / 002 / :0	ST DO		6901587 () BLUE CLAY 0030 GREY CLAY MSND 0045
NEWMARKET TOWN (KING YS W 01(087))	17 622035 4875769 <sup>W</sup>	1949/07 2310	02	FR 0250	/ 006 / :0	DO	246 4	6901586 () CLAY 0110 CLAY BLDR 0150 CLAY 0245 GRVL 0250
NEWMARKET TOWN (KING YS W 01(088))	17 622134 4875908 <sup>W</sup>	2004/05 1663						6927841 (Z13070)
NEWMARKET TOWN (KING YS W 01(088))	17 622123 4875900 <sup>W</sup>	2004/05 1663				NU		6927840 (Z13069)
NEWMARKET TOWN (KING YS W 01(088))	17 622185 4875906 <sup>W</sup>	1963/09 2310	04	FR 0065	025 / 035 010 / 0:30	DO ST	65 4	6901591 () FILL 0002 GREY CLAY 0025 BLUE CLAY 0060 MSND GRVL 0070
NEWMARKET TOWN (KING YS W 01(088))	17 620475 4875270 <sup>W</sup>	1975/04 2407	06	FR 0280	235 / 285 005 / 24:0	DO	288 6	6913068 () BLCK LOAM 0002 BRWN SAND CLAY 0034 BLUE CLAY SAND 0154 BLUE CLAY 0280 BLUE SAND 0297
NEWMARKET TOWN (KING YS W 01(088))	17 622222 4875709 <sup>W</sup>	2003/09 1663				NU		6927317 (253166)
NEWMARKET TOWN (KING YS W 01(089))	17 621139 4876076 <sup>L</sup>	2003/07 1663				NU		6927214 (253156)

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN (KING YS W 01(089))	17 621139 4876076 <sup>u</sup>	2003/07 1663				NU		6927213 (253155)
NEWMARKET TOWN (KING YS W 01(089))	17 620147 4875570 <sup>w</sup>	2005/11 1350	06	FR 0069	055 / 067 004 / 1:0	DO		6929693 (Z30532) A028513 YLLW CLAY 0016 GREY CLAY 0025 GREY CLAY GRVL 0055 BRWN SAND CLAY 0071 BRWN FSND 0076
NEWMARKET TOWN (KING YS W 01(089))	17 620134 4875569 <sup>w</sup>	2005/11 1350	06	0069	055 / 067 008 / 1:0	DO		6929692 (Z30533) A028514 YLLW CLAY 0016 GREY CLAY 0025 GREY CLAY GRVL 0055 BRWN SAND CLAY 0070 BRWN SAND 0077
NEWMARKET TOWN (KING YS W 01(089))	17 620914 4875795 <sup>w</sup>	2005/09 6607	02	0039			61 5	6929487 (Z35447) A031685 BRWN SILT SNDY GRVL 0014 GREY SILT CLAY WBRG 0038 GREY FSND SILT LOOS 0044 GREY SILT CLAY WBRG 0066
NEWMARKET TOWN (KING YS W 01(089))	17 620104 4875990 <sup>w</sup>	1966/01 3414	04					6901593 () LOAM 0001 BRWN MSND 0078 SILT 0170 CLAY 0175 SILT 0204
NEWMARKET TOWN (KING YS W 01(089))	17 620129 4875990 <sup>w</sup>	1966/01 3414	05					6901594 () LOAM 0001 BRWN MSND 0079
NEWMARKET TOWN (KING YS W 01(089))	17 622110 4876574 <sup>w</sup>	1963/10 3108	04	FR 0064	041 / 056 005 / 2:0	DO	65 3	6901592 () PRDG 0040 BLUE CLAY STNS 0054 CSND 0059 FSND MSND 0061 MSND 0068
NEWMARKET TOWN (KING YS W 01(089))	17 620155 4875883 <sup>w</sup>	1971/07 3519	05 04 07	FR 0550	205 / 310 020 / 30:0	DO	550 4	6910635 () BLCK LOAM 0002 GREY CLAY STNS 0065 GREY QSND 0110 GREY STNS CLAY 0300 GREY CLAY 0350 GREY QSND 0410 GREY CLAY 0440 GREY CLAY STNS 0550 GREY CSND 0560
NEWMARKET TOWN (KING YS W 01(090))	17 620136 4875681 <sup>w</sup>	2006/06 5459	06	FR 0186	128 / 145 007 / 1:0	DO	180 6	6930570 (Z35899) A032745 BRWN FILL STNS PCKD 0008 BRWN CLAY STNS SOFT 0020 BRWN SILT CLAY STNS 0040 BRWN FSND SILT LOOS 0075 BRWN CLAY STNS HARD 0140 GREY CLAY STNS SOFT 0158 BRWN FSND LOOS 0186
NEWMARKET TOWN (KING YS W 01(090))	17 620886 4876296 <sup>w</sup>	2006/04 7230	02	0010		NU	10 10	6930359 (Z44346) A027557 LOAM 0002 BRWN SAND SILT DNSE 0023 GREY CLAY SILT HARD 0027
NEWMARKET TOWN (KING YS W 01(090))	17 620015 4876273 <sup>w</sup>	1977/04 1350	06	FR 0078	071 / 081 006 / 0:35	DO	78 3	6914294 () BRWN CLAY SNDY 0017 BRWN SAND DRY 0078 BRWN SAND WBRG 0084
NEWMARKET TOWN (KING YS W 01(090))	17 620660 4876178 <sup>w</sup>	1989/06 5206	06	UK 0315	225 / 245 025 / 5:0	DO	315 3	6920811 (66852) BRWN SAND 0030 BLUE CLAY SNDY 0080 SAND SLTY DRTY 0098 BLUE CLAY 0110 FSND SLTY DRTY 0114 BLUE CLAY 0305 SAND DRTY 0309 BLUE CLAY 0315 SAND CLN 0318

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN (KING YS W 01(090))	17 620660 4876178 <sup>N</sup>	1989/06 5206	06	UK 0296	219 / 248 010 / 1:35	DO	297 3	6920812 (66853) BRWN FILL SAND 0010 GREY CLAY SNDY 0030 BLUE CLAY 0113 FSND SLTY SAND 0116 BLUE CLAY 0292 FSND SLTY SAND 0295 BLUE CLAY 0296 GREY FSND SILT MSND 0301 BLUE CLAY 0305
NEWMARKET TOWN (KING YS W 01(090))	17 622046 4876386 <sup>N</sup>	2002/07 1663				NU		6926553 (240103)
NEWMARKET TOWN (KING YS W 01(090))	17 620192 4875472 <sup>N</sup>	1989/07 1663	06	FR 0149	125 / 165 005 / 1:30	CO	169 8	6921097 (26953) BRWN LOAM 0001 BRWN CLAY GRVL 0043 BRWN SAND 0079 BLUE CLAY SAND LYRD 0090 BLUE CLAY HARD 0149 GREY FSND 0179 BLUE CLAY SAND 0195 GREY FSND 0206 BLUE CLAY SAND 0225 BLUE CLAY HARD 0230
NEWMARKET TOWN (KING YS W 01(090))	17 620078 4875927 <sup>N</sup>	1994/03 1663	06	FR 0067	056 / 080 004 / 1:0	DO	77 3	6923102 (140649) BRWN LOAM 0002 BRWN SAND 0007 YLLW CLAY 0021 BRWN CLAY GRVL SAND 0036 BRWN SAND GRVL STNS 0067 BRWN SAND FSND 0079 GREY SAND FSND 0084 GREY SAND SILT 0089 BLUE CLAY SILT 0110
NEWMARKET TOWN (KING YS W 01(090))	17 620072 4876095 <sup>N</sup>	1955/11 3414	05	FR 0091	066 / 067 005 / 8:0	DO	87 4	6901595 () PRDG 0066 MSND 0072 BRWN FSND 0091
NEWMARKET TOWN (KING YS W 01(090))	17 622057 4876900 <sup>N</sup>	1962/04 2310	04	FR 0132	040 / 100 005 / 20:0	DO	132 4	6901596 () LOAM 0004 CLAY STNS 0130 GRVL 0136
NEWMARKET TOWN (KING YS W 01(090))	17 621792 4876913 <sup>N</sup>	1975/10 2801						6913277 () BRWN CLAY 0014 GREY CLAY 0032 GREY CLAY 0040 GREY BLDR LMSN 0041 GREY CLAY GRVL 0253 GREY CLAY GRVL 0296 GREY LMSN 0300 GREY LMSN GRVL 0347
NEWMARKET TOWN (KING YS W 01(090))	17 620660 4876178 <sup>N</sup>	1989/06 5206	05	FR 0108	/ 112 003 / 21:0	DO	109 3	6920813 (66851) BRWN FSND 0008 GREY SAND CLAY 0020 BLUE CLAY SNDY 0070 SAND SLTY CLAY 0090 GREY CLAY SLTY 0108 GREY FSND SLTY 0112 BLUE CLAY 0200
NEWMARKET TOWN (KING YS W 01(093))	17 620344 4877581 <sup>N</sup>	1965/04 3108	04	FR 0302	130 / 140 010 / 2:0	DO	310 7	6901597 () PRDG 0017 BLUE CLAY STNS 0022 BLUE CLAY 0045 BLUE CLAY 0060 FSND 0079 BLUE CLAY 0087 MSND 0302 MSND GRVL 0317
NEWMARKET TOWN (KING YS W 01(093))	17 621434 4878064 <sup>N</sup>	1975/10 2801						6913276 () GREY CLAY 0003 BLCK MUCK 0005 GREY CLAY 0022 GREY SILT GRVL 0025 GREY CLAY SILT SAND 0030 BRWN GRVL BLDR SAND 0035 GREY CLAY GRVL 0264 GREY CLAY GRVL 0321 GREY LMSN 0325
NEWMARKET TOWN (KING YS W 01(093))	17 620885 4877717 <sup>L</sup>	2002/07 4743				NU		6926464 (246938)



TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN (KING YS W 01(093)	17 620885 4877717 <sup>L</sup>	2002/07 4743				NU		6926463 (246937)
NEWMARKET TOWN (KING ( )	17 620140 4875628 <sup>N</sup>	2006/03 7075		FR	134 / 166 003 / 1:30	DO	185 11	6930230 (Z43577) A039251 BRWN CLAY DNSE 0025 CLAY SAND GRVL 0050 CLAY SAND 0059 BRWN MSND 0084 GREY FSND 0100 GREY CLAY HARD 0180 GREY FSND 0196
NEWMARKET TOWN (KING ( )	17 622124 4876671 <sup>N</sup>	2005/11 6607	02	FR 0030			20 21	6929732 (Z40333) A036816 BRWN SAND FILL 0010 GREY SILT CLAY 0041
NEWMARKET TOWN (KING ( )	17 622132 4876686 <sup>N</sup>	2006/07 6607				NU		6930457 (Z49096) A036816
NEWMARKET TOWN (KING 01(089)	17 620200 4875812 <sup>N</sup>	2006/11 3108				NU		7039928 (Z30627) 0008
NEWMARKET TOWN (KING 01(093)	17 621905 4878053 <sup>N</sup>	2007/03 7147	01			NU	12 5	7042864 (Z64344) A052027 BRWN SILT SAND 0017
NEWMARKET TOWN (KING 02(089)	17 620206 4875824 <sup>N</sup>	2006/11 3108				NU		7039927 (Z30629) 0008
NEWMARKET TOWN (KING ( )	17 622170 4876676 <sup>N</sup>	2011/07 7215						7166985 (Z137009) A113880
RICHMOND HILL TOWN ( YS E 01(085)	17 622570 4875820 <sup>N</sup>	1986/12 1413	06	FR 0295	070 / 075 200 / 8:0	MN	295 35	6918411 ( ) BRWN CLAY DNSE 0012 GREY CLAY SILT SOFT 0065 BRWN GRVL SAND PCKD 0075 GREY CLAY STNS HARD 0105 GREY CLAY STNS HARD 0177 GREY CLAY DNSE 0226 GREY SAND MGRD CLN 0268 GREY SAND PCKD 0282 GREY SAND LOOS 0290 GREY GRVL STNS HARD 0295 GREY GRVL CLN LOOS 0310 GREY GRVL SAND CLN 0316
NEWMARKET TOWN (WHIT CON 02(027)	17 624515 4876343 <sup>N</sup>	1968/06 2310	04	FR 0183	020 / 030 008 / 2:0	DO	180 7	6908732 ( ) GREY CLAY 0017 BLUE CLAY 0107 GREY CLAY MSND 0183 FSND 0187
NEWMARKET TOWN (WHIT CON 02(028)	17 624299 4876700 <sup>N</sup>	1964/10 2310	04	FR 0188	014 / 014 010 / 1:0	ST	188 4	6907521 ( ) LOAM 0002 GREY CLAY 0015 BLUE CLAY 0097 CLAY MSND GRVL 0150 BLUE CLAY GRVL 0188 CSND 0195
NEWMARKET TOWN (WHIT CON 02(028)	17 624325 4876473 <sup>N</sup>	1969/03 1413	05	FR 0200	015 / 018 025 / 2:0	ST DO		6909130 ( ) BLUE CLAY 0098 BLUE CLAY BLDR 0170 SILT MSND 0190 MSND GRVL 0195 GRVL 0200
NEWMARKET TOWN (WHIT CON 02(029)	17 624315 4877123 <sup>N</sup>	1982/07 1350	06	FR 0146	060 / 140 012 / 3:0	ST	148 6	6916505 ( ) GREY CLAY 0042 GREY SILT 0068 GREY CLAY GRVL 0146 GREY SAND GRVL 0154

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN (WHIT CON 02(030))	17 624200 4877577 <sup>W</sup>	1963/12 2310	02	FR 0174	040 / 006 / 2:0	ST DO	174 10	6907530 () LOAM 0002 BLUE CLAY 0065 BLUE CLAY STNS 0095 GREY CLAY STNS 0176 MSND 0184
NEWMARKET TOWN (WHIT CON 02(030))	17 624255 4877761 <sup>W</sup>	1963/02 3414	04	FR 0174	103 / 140 010 / 8:0	DO	164 10	6907529 () PRDG 0060 CLAY MSND 0088 HPAN 0129 CLAY MSND 0142 CLAY GRVL 0170 GRVL 0174
NEWMARKET TOWN (WHIT CON 02(030))	17 624296 4877806 <sup>W</sup>	1961/02 4102	30	FR 0040	030 / 002 / :0	DO		6907528 () BLUE CLAY 0040 CLAY MSND 0060
NEWMARKET TOWN (WHIT CON 02(030))	17 624242 4877659 <sup>W</sup>	1960/05 2310	02	FR 0103	032 / 008 / 2:0	DO	102 4	6907526 () LOAM 0002 BRWN CLAY 0015 BLUE CLAY 0070 CLAY STNS 0103 GRVL 0107
NEWMARKET TOWN (WHIT CON 02(030))	17 624191 4877729 <sup>W</sup>	1959/05 4102	30	FR 0015	015 / 003 / :0	DO		6907524 () BLUE CLAY MSND 0035
NEWMARKET TOWN (WHIT CON 02(030))	17 624525 4877803 <sup>W</sup>	1969/05 2310	04	FR 0157	075 / 100 010 / 2:0	DO	157 4	6909370 () CLAY 0015 GREY CLAY 0075 GRVL CLAY 0096 STNS CLAY 0157 CSND 0161
NEWMARKET TOWN (WHIT CON 02(031))	17 624277 4877775 <sup>W</sup>	1960/06 2310	04	FR 0126	060 / 120 004 / 4:0	DO	124 4	6907527 () LOAM 0002 BRWN CLAY 0015 BLUE CLAY 0075 CLAY STNS 0126 MSND 0130
NEWMARKET TOWN (WHIT CON 02(031))	17 624531 4878014 <sup>W</sup>	1996/08 1413				DO		6923680 (166609)
NEWMARKET TOWN (WHIT CON 02(033))	17 623846 4878632 <sup>W</sup>	2004/08 2801	08 14		025 / / :0		249 10	6928153 (Z11259)
NEWMARKET TOWN (WHIT YS E 01(087))	17 623322 4875939 <sup>L</sup>	1999/04 1663	05		016 / / :0			6925046 (198194) BRWN CLAY FILL 0000 YLLW UNKN 0006
NEWMARKET TOWN (WHIT YS E 01(087))	17 623715 4876123 <sup>W</sup>	1981/08 1663	05	FR 0286	090 / 200 010 / 1:30	ST DO	317 3	6916161 () BRWN CLAY SOFT 0017 BLUE CLAY SOFT 0150 BLUE CLAY GRVL 0170 BLUE CLAY SAND 0232 BLUE CLAY 0286 GREY FSND MGRD 0292 GREY CSND GRVL MGRD 0320
NEWMARKET TOWN (WHIT YS E 01(087))	17 622354 4876083 <sup>W</sup>	1954/06 2613	05	FR 0353	056 / 061 012 / 8:0	ST DO		6907450 () YLLW CLAY 0030 BRWN MSND 0040 BLUE CLAY 0085 BLDR 0095 BLUE CLAY STNS 0185 BLDR CLAY STNS 0219 BLUE CLAY STNS 0265 BLUE CLAY 0299 BLUE QSND 0345 CSND 0350 GRVL 0353
NEWMARKET TOWN (WHIT YS E 01(087))	17 624135 4876448 <sup>W</sup>	1965/05 2310	04	FR 0085	003 / 012 012 / 1:0	DO	87 4	6907449 () YLLW CLAY 0015 BLUE CLAY 0075 MSND 0085 CSND 0091
NEWMARKET TOWN (WHIT YS E 01(088))	17 623453 4876252 <sup>W</sup>	1963/07 2310	04	FR 0326	-003 / 025 010 / 1:0	DO	323 4	6907451 () LOAM 0002 BLUE CLAY STNS 0100 BLUE CLAY 0240 CLAY MSND 0326 CSND 0330

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN (WHIT YS E 01(088)	17 623669 4876741 <sup>N</sup>	1996/03 1350	06	FR 0380	045 / 012 / 36:0	DO	369 8	6923549 (163578) YLLW CLAY GRVL STNS 0027 GREY CLAY 0140 GREY CLAY GRVL STNS 0189 GREY SAND GRVL SILT 0196 GREY CLAY 0240 GREY CLAY SLTY SOFT 0290 GREY CLAY STNS 0370 GREY GRVL SAND CLAY 0380
NEWMARKET TOWN (WHIT YS E 01(088)	17 624192 4876607 <sup>N</sup>	1984/10 1350	06	FR 0093	015 / 080 009 / 2:0	CO MN	93 3	6917478 () GREY CLAY 0024 GREY CLAY GRVL 0055 GREY SILT 0060 GREY CLAY 0090 BRWN SAND GRVL 0096
NEWMARKET TOWN (WHIT YS E 01(088)	17 623248 4876333 <sup>L</sup>	1956/06 2318	04	FR 0031	/ / :0	DO		6907352 () LOAM 0001 YLLW CLAY MSND 0031 MSND 0032
NEWMARKET TOWN (WHIT YS E 01(088)	17 622352 4876450 <sup>N</sup>	1964/12 2310	03	FR 0184	060 / 080 010 / 2:0	ST DO	280 11	6907452 () FILL 0008 GREY CLAY MSND 0025 GREY CLAY STNS 0120 BLUE CLAY MSND STNS 0284 CSND 0291
NEWMARKET TOWN (WHIT YS E 01(089)	17 622162 4876921 <sup>N</sup>	1961/11 2310	04	FR 0062	035 / 040 005 / 2:0	DO	59 4	6907454 () PRDG 0028 CLAY STNS 0062 MSND 0063
NEWMARKET TOWN (WHIT YS E 01(089)	17 622249 4876685 <sup>N</sup>	1950/03 3422	04					6907453 () GRVL STNS 0035
NEWMARKET TOWN (WHIT YS E 01(089)	17 622315 4876423 <sup>N</sup>	1983/07 2801	16 10		091 / 124 #### / 24:0	MN	324 26	6916976 () BRWN CLAY BLDR 0028 CLAY GRVL BLDR 0257 GREY CLAY SLTY 0275 CLAY GRVL 0303 MSND CLAY 0313 MSND GRVL 0320 GRVL CLAY 0331 GRVL BLDR 0335 GRVL CLAY 0351 CLAY GRVL 0353
NEWMARKET TOWN (WHIT YS E 01(089)	17 622235 4876523 <sup>N</sup>	1977/05 2801	16 10		106 / 124 #### / 24:0	NU MN	329 26	6914314 () BRWN CLAY 0016 BRWN CLAY BLDR HARD 0024 BRWN SAND GRVL BLDR 0026 BRWN CLAY BLDR HARD 0030 GREY CLAY GRVL BLDR 0278 GREY GRVL SAND CLAY 0295 GREY CLAY GRVL HARD 0324 GREY GRVL SAND CLAY 0356 GREY CLAY GRVL HARD 0358
NEWMARKET TOWN (WHIT YS E 01(089)	17 622485 4876343 <sup>N</sup>	1976/03 2801	07		091 / 093 150 / 24:0	PS MN	343 20	6913292 () BRWN CLAY 0036 GREY CLAY 0066 GREY CLAY SAND GRVL 0135 GREY CLAY SAND GRVL 0276 GREY CLAY SAND GRVL 0334 GRVL SAND BLDR 0363 GREY CLAY SILT GRVL 0375
NEWMARKET TOWN (WHIT YS E 01(089)	17 622724 4876367 <sup>N</sup>	1975/12 2801	02		099 / 016 / 2:0	PS		6913279 () YLLW CLAY 0017 YLLW CLAY GRVL 0026 GREY CLAY GRVL 0039 GREY GRVL LMSN CLAY 0086 GREY CLAY GRVL 0336 BRWN GRVL SAND CLAY 0367 GREY CLAY GRVL 0397
NEWMARKET TOWN (WHIT YS E 01(089)	17 622282 4876309 <sup>N</sup>	1966/11 3519	07					6907455 () LOAM 0002 CLAY BLDR 0215

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN (WHIT YS E 01(089)	17 622895 4876500 <sup>N</sup>	1975/11 2801	02		089 / 090 016 / 6:0	PS		6913278 ( ) BRWN CLAY GRVL 0035 BRWN CLAY GRVL 0200 BRWN CLAY GRVL 0240 BRWN CLAY GRVL 0268 BRWN CLAY GRVL 0300 BRWN SAND SILT CLAY 0336 BRWN SAND GRVL CLAY 0360
NEWMARKET TOWN (WHIT YS E 01(090)	17 624064 4877342 <sup>N</sup>	1963/01 4102	30	FR 0040 FR 0020	020 / 002 / :0	DO		6907457 ( ) BLUE CLAY 0020 CLAY MSND STNS 0046
NEWMARKET TOWN (WHIT YS E 01(090)	17 624069 4877337 <sup>N</sup>	1965/10 3414	05	FR 0270	022 / 035 010 / 3:0	DO	266 4	6907458 ( ) CLAY STNS 0070 CLAY BLDR 0090 CLAY SILT 0170 SILT 0212 CLAY GRVL 0251 GRVL CLAY 0266 GRVL 0270
NEWMARKET TOWN (WHIT YS E 01(090)	17 622241 4876763 <sup>N</sup>	2004/10 6607	02	0018			12 13	6928264 (Z19521) A016932 BRWN SAND GRVL SILT 0002 BRWN SILT SAND CLAY 0010 GREY SILT SAND 0020 GREY SILT SAND 0025
NEWMARKET TOWN (WHIT YS E 01(090)	17 622944 4877278 <sup>N</sup>	1976/01 2801				PS		6913280 ( ) BRWN CLAY 0019 GREY CLAY 0066 GREY CLAY GRVL 0081 GREY GRVL CLAY 0090 GREY CLAY GRVL 0186 GREY GRVL CLAY 0189 GREY CLAY 0237 GREY CLAY GRVL 0255 BRWN SAND GRVL CLAY 0276 GREY CLAY GRVL 0329 GREY CLAY GRVL 0395 BLCK SHLE CLAY 0396
NEWMARKET TOWN (WHIT YS E 01(090)	17 624015 4877373 <sup>N</sup>	1979/11 3108	06	UK 0055	022 / 055 005 / 2:0	DO	59 3	6915385 ( ) GRVL SAND 0002 BRWN CLAY SNDY 0018 BLUE CLAY SOFT 0038 BLUE CLAY HARD 0049 GRVL SAND 0062
NEWMARKET TOWN (WHIT YS E 01(090)	17 622469 4876888 <sup>N</sup>	1957/11 2318	06	FR 0214	/ 012 / 48:0	ST DO		6907456 ( ) PRDG 0022 BLUE CLAY 0214 GRVL 0215
NEWMARKET TOWN (WHIT YS E 01(091)	17 623022 4877550 <sup>L</sup>	2002/10 4102				NU		6926686 (245408)
NEWMARKET TOWN (WHIT YS E 01(093)	17 622866 4878366 <sup>L</sup>	2002/02 6571	02	FR 0005		NU	3 10	6926602 (244755) BRWN LOAM 0002 BRWN SAND PORS 0010 GREY CLAY SILT DNSE 0013
NEWMARKET TOWN (WHIT YS E 01(093)	17 623710 4878679 <sup>N</sup>	2004/10 5459	05					6928368 (Z16117) A016057
NEWMARKET TOWN (WHIT YS E 01(093)	17 623710 4878679 <sup>N</sup>	2004/10 5459	12					6928365 (Z16116) A016056
NEWMARKET TOWN (WHIT YS E 01(093)	17 622867 4878367 <sup>L</sup>	2003/07 6571				NU		6927714 (Z09634)
NEWMARKET TOWN (WHIT YS E 01(093)	17 622867 4878367 <sup>L</sup>	2003/07 6571				NU		6927712 (Z09635)

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN (WHIT YS E 01(093))	17 622867 4878367 <sup>u</sup>	2003/07 6571				NU		6927711 (Z09636)
NEWMARKET TOWN (WHIT YS E 01(093))	17 622867 4878367 <sup>u</sup>	2003/07 6571				NU		6927710 (Z09637)
NEWMARKET TOWN (WHIT YS E 01(093))	17 622867 4878367 <sup>u</sup>	2003/07 6571				NU		6927709 (Z09638)
NEWMARKET TOWN (WHIT YS E 01(093))	17 622867 4878367 <sup>u</sup>	2003/07 6571				NU		6927708 (Z09639)
NEWMARKET TOWN (WHIT YS E 01(093))	17 622867 4878367 <sup>u</sup>	2003/07 6571				NU		6927707 (Z09640)
NEWMARKET TOWN (WHIT YS E 01(093))	17 622867 4878367 <sup>u</sup>	2003/07 6571				NU		6927706 (Z09629)
NEWMARKET TOWN (WHIT YS E 01(093))	17 622866 4878366 <sup>u</sup>	2002/02 6571	02	FR 0008		NU	5 10	6926592 (244745) BRWN SAND 0006 BRWN CLAY SAND PORS 0009 GREY CLAY SILT DNSE 0015
NEWMARKET TOWN (WHIT YS E 01(093))	17 622866 4878366 <sup>u</sup>	2002/02 6571	02	FR 0007		NU	3 10	6926593 (244746) BRWN CLAY SAND PORS 0007 GREY CLAY SILT DNSE 0013
NEWMARKET TOWN (WHIT YS E 01(093))	17 622866 4878366 <sup>u</sup>	2002/02 6571	02	FR 0007		NU	3 10	6926594 (244747) BRWN LOAM 0001 BRWN CLAY SAND PORS 0007 GREY CLAY SILT DNSE 0013
NEWMARKET TOWN (WHIT YS E 01(093))	17 622866 4878366 <sup>u</sup>	2002/02 6571	02	FR 0006		NU	3 10	6926595 (244752) BRWN LOAM 0002 BRWN SAND PORS 0009 GREY CLAY SILT DNSE 0013
NEWMARKET TOWN (WHIT YS E 01(093))	17 622866 4878366 <sup>u</sup>	2002/02 6571	02	UK 0007		NU	5 10	6926596 (244753) BRWN LOAM 0002 BRWN SAND 0007 GREY CLAY SAND DNSE 0008 GREY CLAY DNSE 0015
NEWMARKET TOWN (WHIT YS E 01(093))	17 622866 4878366 <sup>u</sup>	2002/02 6571	02	FR 0004		NU	2 10	6926597 (244748) BRWN LOAM 0002 BRWN CLAY SAND PORS 0004 GREY CLAY SILT DNSE 0006 GREY CLAY DNSE 0012
NEWMARKET TOWN (WHIT YS E 01(093))	17 622866 4878366 <sup>u</sup>	2002/02 6571	07	FR 0004		NU	2 10	6926598 (244749) BRWN LOAM 0002 BRWN CLAY SAND PORS 0004 GREY CLAY SILT DNSE 0006 GREY CLAY DNSE 0012
NEWMARKET TOWN (WHIT YS E 01(093))	17 622866 4878366 <sup>u</sup>	2002/02 6571	02	FR 0005		NU	3 10	6926599 (244750) BRWN LOAM 0001 BRWN SAND CLAY PORS 0004 GREY CLAY SILT DNSE 0013
NEWMARKET TOWN (WHIT YS E 01(093))	17 622866 4878366 <sup>u</sup>	2002/02 6571	02	FR 0006		NU	3 10	6926600 (244751) BRWN LOAM 0005 BRWN SAND PORS 0007 GREY CLAY DNSE 0013
NEWMARKET TOWN (WHIT YS E 01(093))	17 622866 4878366 <sup>u</sup>	2002/02 6571	02	FR 0008		NU	5 10	6926601 (244754) BRWN LOAM 0001 BRWN SAND PORS 0007 GREY CLAY SAND DNSE 0008 GREY CLAY DNSE 0015

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN (WHIT YS E 01(093))	17 622866 4878366 <sup>L</sup>	2002/02 6571	02	FR 0004		NU	3 5	6926603 (244756) BLCK SAND STNS 0002 BLCK SAND CLAY PORS 0006 GREY CLAY SILT DNSE 0008
NEWMARKET TOWN (WHIT YS E 01(093))	17 622866 4878366 <sup>L</sup>	2002/02 6571	02	FR 0004		NU	2 5	6926604 (244757) BLCK SAND 0003 BRWN SAND STNS 0004 GREY CLAY SILT DNSE 0007
NEWMARKET TOWN (WHIT YS E 01(093))	17 622866 4878366 <sup>L</sup>	2002/02 6571	02	FR 0004		NU	2 5	6926605 (244758) BLCK SAND 0001 BRWN FSND PORS 0003 BRWN SAND STNS PORS 0004 BRWN CLAY SILT DNSE 0007
NEWMARKET TOWN (WHIT YS E 01(093))	17 622866 4878366 <sup>L</sup>	2002/02 6571	02	FR 0004		NU	2 5	6926606 (244759) BLCK SAND 0001 BRWN SAND PORS 0004 BRWN CLAY SILT DNSE 0007
NEWMARKET TOWN (WHIT YS E 01(093))	17 622866 4878366 <sup>L</sup>	2002/02 6571	04	FR 0003		NU	2 10	6926607 (244775) BRWN SAND 0002 BRWN FSND PORS 0003 BRWN SAND STNS PORS 0008 GREY CLAY SILT DNSE 0012
NEWMARKET TOWN (WHIT YS E 01(093))	17 622867 4878367 <sup>L</sup>	2003/07 6571				NU		6927705 (Z09630)
NEWMARKET TOWN (WHIT YS E 01(094))	17 622484 4878365 <sup>N</sup>	1950/05 2310	02	FR 0130	015 / 004 / 6:0	DO	130 4	6907460 () RED CLAY 0020 BLUE CLAY 0050 BLUE CLAY STNS 0130 GRVL 0134
NEWMARKET TOWN (WHIT ( ))	17 623817 4878634 <sup>N</sup>	2005/10 3406	11 06	0223		NU	232 3	6929989 (Z34696) A032056 BLCK LOAM 0002 GREY CLAY SAND GRVL 0178 GREY CLAY SAND 0225 GRVL 0232 GREY CLAY 0236
NEWMARKET TOWN (WHIT 02(029))	17 624606 4877316 <sup>N</sup>	2010/07 7147	01	FR 0007	007 / / :0			7148360 (M08692) A056450 BRWN SILT CLAY 0015
NEWMARKET TOWN (WHIT 02(030))	17 624517 4877782 <sup>N</sup>	1987/07 1413	06	FR 0185	147 / 180 010 / 3:50	DO	185 6	6918909 (13615) BRWN CLAY STNS DNSE 0017 GREY CLAY STNS SOFT 0067 BRWN SAND LOOS 0073 GREY CLAY ROCK SLTY 0131 GREY GRVL CLAY CMTD 0171 GREY GRVL SAND CLN 0192 GREY CLAY STNS SLTY 0260
NEWMARKET TOWN (WHIT ( ))	17 622156 4878214 <sup>N</sup>	2011/03 7230						7163458 (M08069) A018141
NEWMARKET TOWN (WHIT ( ))	17 623821 4877637 <sup>N</sup>	2010/09 7215	00				69 16	7152557 (Z121745) A107432 BRWN FILL DRY 0010 BRWN CLAY DRY 0059 GREY CLAY DRY 0089
NEWMARKET TOWN (WHIT ( ))	17 623818 4877630 <sup>N</sup>	2011/09 7215						7170045 (Z136948) A107432
NEWMARKET TOWN (WHIT ( ))	17 622437 4877222 <sup>N</sup>	2011/09 7241						7169856 (Z140160) A115716
NEWMARKET TOWN (WHIT ( ))	17 622880 4877224 <sup>N</sup>	2011/09 7241						7169855 (Z140159) A115717

TOWNSHIP CONCESSION (LOT)	UTM <sup>1</sup>	DATE <sup>2</sup> CNTR <sup>3</sup>	CASING DIA <sup>4</sup>	WATER <sup>5,6</sup> DETAIL	STAT LVL/PUMP LVL <sup>7</sup> RATE <sup>8</sup> /TIME HR:MIN	WATER USE <sup>9</sup>	SCREEN INFO <sup>10</sup>	WELL # (AUDIT#) WELL TAG # DEPTHS TO WHICH FORMATIONS EXTEND <sup>5,11</sup>
NEWMARKET TOWN (WHIT ( )	17 621797 4879348 <sup>N</sup>	2004/01 6607	02	FR 0007			2 10	6927802 (Z07563) A007304 UNKN 0000 SAND FILL 0002 GREY CLAY SILT SOFT 0006 BRWN SILT GRVL HARD 0012
NEWMARKET TOWN (WHIT ( )	17 622411 4877161 <sup>N</sup>	2011/09 7241						7169853 (Z140157) A122457



- Notes:
1. UTM in Zone, Easting, Northing and Datum is NAD83; L: UTM estimated from Centroid of Lot; W: UTM not from Lot Centroid
  2. Date Work Completed
  3. Well Contractor Licence Number
  4. Casing diameter in inches
  5. Unit of Depth in Feet
  6. See Table 4 for Meaning of Code
  7. STAT LVL: Static Water Level in Feet ; PUMP LVL: Water Level After Pumping in Feet
  8. Pump Test Rate in GPM, Pump Test Duration in Hour : Minutes
  9. See Table 3 for Meaning of Code
  10. Screen Depth and Length in feet
  11. See Table 1 and 2 for Meaning of Code

1. Core Material and Descriptive terms										
Code	Description	...	Code	Description	...	Code	Description	...	Code	Description
BLDR	BOULDERS		FCRD	FRACTURED		IRFM	IRON FORMATION		PORS	POROUS
									SOFT	SOFT
BSLT	BASALT		FGRD	FINE-GRAINED		LIMY	LIMY		PRDG	PREVIOUSLY DUG
									SPST	SOAPSTONE
CGRD	COARSE-GRAINED		FGVL	FINE GRAVEL		LMSN	LIMESTONE		PRDR	PREV. DRILLED
									STKY	STICKY
CGVL	COARSE GRAVEL		FILL	FILL		LOAM	TOPSOIL		QRTZ	QUARTZITE
									STNS	STONES
CHRT	CHERT		FLDS	FELDSPAR		LOOS	LOOSE		QSND	QUICKSAND
									STNY	STONEY
CLAY	CLAY		FLNT	FLINT		LTCL	LIGHT-COLOURED		QTZ	QUARTZ
									THIK	THICK
CLN	CLEAN		FOSS	FOSILIFEROUS		LYRD	LAYERED		ROCK	ROCK
									THIN	THIN
CLYY	CLAYEY		FSND	FINE SAND		MARL	MARL		SAND	SAND
									TILL	TILL
CMTD	CEMENTED		GNIS	GNEISS		MGRD	MEDIUM-GRAINED		SHLE	SHALE
									UNKN	UNKNOWN TYPE
CONG	CONGLOMERATE		GRNT	GRANITE		MGVL	MEDIUM GRAVEL		SHLY	SHALY
									VERY	VERY
CRYS	CRYSTALLINE		GRSN	GREENSTONE		MRBL	MARBLE		SHRP	SHARP
									WBRG	WATER-BEARING
CSND	COARSE SAND		GRVL	GRAVEL		MSND	MEDIUM SAND		SHST	SCHIST
									WDFR	WOOD FRAGMENTS
DKCL	DARK-COLOURED		GRWK	GREYWACKE		MUCK	MUCK		SILT	SILT
									WTHD	WEATHERED
DLMT	DOLOMITE		GVLY	GRAVELLY		OBDN	OVERBURDEN		SLTE	SLATE
DNSE	DENSE		GYPS	GYP SUM		PCKD	PACKED		SLTY	SILTY
DRTY	DIRTY		HARD	HARD		PEAT	PEAT		SNDS	SANDSTONE
DRY	DRY		HPAN	HARDPAN		PGVL	PEA GRAVEL		SNDY	SANDY

2. Core Color	
Code	Description
WHIT	WHITE
GREY	GREY
BLUE	BLUE
GREN	GREEN
YLLW	YELLOW
BRWN	BROWN
RED	RED
BLCK	BLACK
BLGY	BLUE-GREY

3. Water Use			
Code	Description	Code	Description
DO	Domestic	OT	Other
ST	Livestock	TH	Test Hole
IR	Irrigation	DE	Dewatering
IN	Industrial	MO	Monitoring
CO	Commercial		
MN	Municipal		
PS	Public		
AC	Cooling And A/C		
NU	Not Used		

4. Water Detail			
Code	Description	Code	Description
FR	Fresh	GS	Gas
SA	Salty	IR	Iron
SU	Sulphur		
MN	Mineral		
UK	Unknown		

## Appendix B

### Field Investigation

## Site Photographs

### Site Investigation PhotoLog



**Photo 1:** Clubhouse front entrance



**Photo 2:** Large outdoor transformer



**Photo 3:** Chemicals in laundry room in clubhouse



**Photo 4:** Old refrigerator possibly containing ODSs in sprinkler room in clubhouse



**Photo 5:** Sump in sprinkler room in clubhouse



**Photo 6:** Golf cart storage area with transformers and old golf equipment



Photo 7: Batteries found in golf cart storage area



Photo 8: Pump house with sump

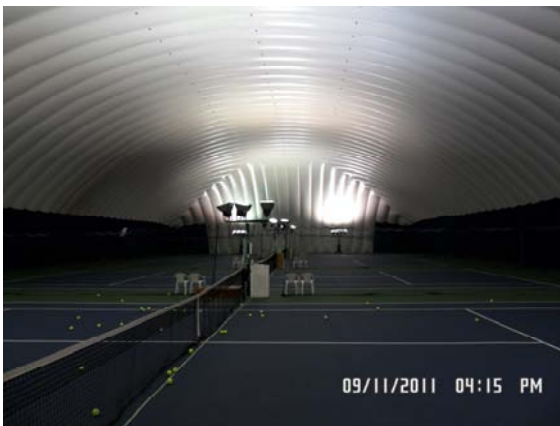


Photo 9: Indoor tennis dome



Photo 10: Blowers associated with indoor tennis dome



Photo 11: Natural gas pipeline entering Site



Photo 12: Golf course along Crossland Gate





**Photo 13:** Hydro corridor seen from start of Hole 12



**Photo 14:** Golf course tunnel under Eagle Street



**Photo 15:** Stormwater management (SWM) pond facing northwest to Alex Doner Drive in proposed development area west of hydro corridor



**Photo 16:** Parkland area south of reservoir



**Photo 17:** Pump reservoir, facing south



**Photo 18:** Golf course and SWM pond along Davis Drive

## Field Investigation Notes (November 2011)



Phase I ESA Glenway Golf Course, Marianneville (L09-301)  
AO/AC  
November 4, 2011

- Transformer on-site
  - Wilson High Voltage Inc.
  - Hydro pole L-80, NM50
  
- Admin offices near entrance
- Concrete floors, ACT, drywall walls
- Fluorescent bulbs
  
- East side of building
- Office spaces
- Fitness areas
- Water cooler R134A x3
  
- Basement – mostly dry storage
- Concrete floors
- Sump
- Brick walls
- Concrete ceiling
- AC unit in basement
- Locker rooms
- Carpet over concrete
- Drywall walls
- Water cooler
- Plaster ceilings
- ACT ceilings – with fluorescent bulbs and ballasts
  
- Laundry room – general cleaning supplies
- Offices
- Industrial iron
  
- Electrical room – transformers
- Sprinkler room – old fridge, new water cooler
- Janitor's room – VFT, cleaning supplies
- ACT, fluorescent bulbs throughout basement
  
- Front desk area – new water cooler
- Kitchen area – 2 walk-in coolers, Coke fridge
- Ballroom – ACT, fluorescent bulbs, ballasts
- Reception area – ACT, coke machine
- Meeting rooms, hallway – carpeted, ACT

### Golf Course Area

- Pond system
  - Ponds are interconnected by pipes (decommissioned)
  - Used for irrigation
  - Fed by sewer system, exits to sewer system

### Neighbouring properties

- Property to the north – farm: 219 Davis Dr. W.

Phase I ESA Glenway Golf Course, Marianneville (L09-301)  
AO  
November 9, 2011

Golf cart storage area

- Wood frame, aluminum siding, concrete floor
- 8 large batteries
- Golf cart storage
- Westinghouse transformer
- 2 bay doors – one at north end, one at south end
- 27 ballasts, 54 fluorescent bulbs

Pump house

- Transformer
- Pump equipment
- Wood construction
- Concrete floor
- Aluminum siding

Tennis dome

- ACT, ballasts, fluorescent bulbs, VFT in admin area
- 2 bathrooms
- Main area
- 3 tennis courts

## Interview Form

Date: Nov 4/11  
Conducted by: AC/AO

**Phase I Environmental Site Assessment  
Interview Form**

Tenant/Owner Name: Glenway Country Club  
Address: 470 Crossland Gate, Newmarket, ON  
Phone Number:  
Interview conducted  
with: Gary Lester

Past and Present Land Use

1) Has equipment or vehicle maintenance ever taken place on the property? If so, where?

- on separate property to the south      - storage here as well

2) Have any manufacturing or processing been carried out on-site? If so, where?

—

3) Have any of the following substances ever been used, stored or disposed of on-site?

- a) Pesticides/Herbicides -yes
- b) Soil amendments
- c) Chemicals
- d) Petroleum products
- e) Radioactive material
- f) Other wastes

4) Have any spills or leaks of the above mentioned substances occurred on-site? If so, where?

— no

5) Are there or have there even been any underground or above-ground fuel storage tanks on the property? If so, where? Evidence of leaks or spills?

-off-site to the south - used for maintenance

6) Is there currently any garbage such as old cars, scrap metal, or car batteries on the property? If so, where?

-no

7) Has fill ever been placed on the site?

-no

8) Do any easements such as a creek, railway or utility lines run through the property?

-hydro corridor -hydro on e -no natural we's  
-integrated pond system (SWM) - retention ponds (man-made)

9) Are you aware of any spills, leaks, dumping of any materials, or any other concerns on adjacent properties?

-no

10) What source supplies drinking water to the property?

-municipal

11) Are there any wells that provide water for human consumption, livestock or irrigation?

-no wells

12) Are there any abandoned or non-operational wells on the property?

-no

13) Have there been any historical water quality problems with the water from any wells on the property?



14) What type of waste water system is located on the property? Where is it located? Have there been any historical problems with the waste water system?

-municipal

15) What structures, including buildings, old foundations, barns or sheds, are on the property?

Age? Construction material?

-built in 1987

-old pro-shops to the south of the clubhouse

-wood frame, 1-storey, underground basement

16) Are you aware of any asbestos, lead paint, or urea foam insulation on the property?

-no



## Appendix C

# Updated Phase I ESA Information



## EcoLog ERIS Report



# DATABASE REPORT



**Project Property:** *Phase I ESA - Glenway  
470 Crossland Gate  
Newmarket ON L3X1B8  
Custom-Build Your Own Report*

**Report Type:**

**Order #:** *20131108034*

**Requested by:** *Cole Engineering Group Ltd*

**Date:** *November 18, 2013*

**Ecolog ERIS Ltd.**  
Environmental Risk Information  
Service Ltd. (ERIS)  
A division of Glacier Media Inc.  
P: 1.866.517.5204  
E: info@erisinfo.com  
[www.erisinfo.com](http://www.erisinfo.com)

# Table of Contents

<a href="#">Table of Contents</a>	1
<a href="#">Executive Summary</a>	2
<a href="#">Executive Summary: Report Summary</a>	3
<a href="#">Executive Summary: Site Report Summary – Project Property</a>	5
<a href="#">Executive Summary: Site Report Summary – Surrounding Properties</a>	6
<a href="#">Executive Summary: Summary By Database</a>	8
<a href="#">Map</a>	12
<a href="#">Aerial</a>	13
<a href="#">Detail Report</a>	14
<a href="#">Unplottable Summary</a>	32
<a href="#">Unplottable Report</a>	33
<a href="#">Appendix: Database Descriptions</a>	39
<a href="#">Definitions</a>	48

## **Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY**

**Reliance on information in Report:** This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a database review on environmental records.

**License for use of information in Report:** No page of this report can be used without this cover page, this notice and the project property identifier. The information in Report(s) may not be modified or re-sold.

**Your Liability for misuse:** Using this Service and/or its reports in a manner contrary to this Notice or your agreement will be in breach of copyright and contract and ERIS may obtain damages for such mis-use, including damages caused to third parties, and gives ERIS the right to terminate your account, rescind your license to any previous reports and to bar you from future use of the Service.

**No warranty of Accuracy or Liability for ERIS:** The information contained in this report has been produced by EcoLog Environmental Risk Information Services Ltd ("ERIS") using various sources of information, including information provided by Federal and Provincial government departments. The report applies only to the address and up to the date specified on the cover of this report, and any alterations or deviation from this description will require a new report. This report and the data contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein and does not constitute a legal opinion nor medical advice. Although ERIS has endeavored to present you with information that is accurate, EcoLog ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of EcoLog ERIS is limited to the monetary value paid for this report.

**Trademark and Copyright:** You may not use the ERIS trademarks or attribute any work to ERIS other than as outlined above. This Service and Report(s) are protected by copyright owned by EcoLog ERIS Ltd. Copyright in data used in the Service or Report(s) (the "Data") is owned by EcoLog ERIS or its licensors. The Service, Report(s) and Data may not be copied or reproduced in whole or in any substantial part without prior written consent of EcoLog ERIS.

# *Executive Summary*

## **Property Information:**

**Project Property:** *Phase I ESA - Glenway  
470 Crossland Gate Newmarket ON L3X1B8*

## **Order Information:**

**Order No.:** *20131108034*  
**Date Requested:** *19/11/2013*  
**Requested by:** *Cole Engineering Group Ltd*  
**Report Type:** *Custom-Build Your Own Report*

## **Additional Products:**

## Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
<a href="#">AAGR</a>	Abandoned Aggregate Inventory	Y	0	0	0
<a href="#">AGR</a>	Aggregate Inventory	Y	0	0	0
<a href="#">AMIS</a>	Abandoned Mine Information System	Y	0	0	0
<a href="#">ANDR</a>	Anderson's Waste Disposal Sites	Y	0	0	0
<a href="#">AUWR</a>	Automobile Wrecking & Supplies	Y	0	0	0
<a href="#">BORE</a>	Borehole	Y	0	0	0
<a href="#">CA</a>	Certificates of Approval	Y	0	2	2
<a href="#">CFOT</a>	Commercial Fuel Oil Tanks	Y	0	0	0
<a href="#">CHEM</a>	Chemical Register	Y	0	0	0
<a href="#">COAL</a>	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
<a href="#">CONV</a>	Compliance and Convictions	Y	0	0	0
<a href="#">CPU</a>	Certificates of Property Use	Y	0	0	0
<a href="#">DRL</a>	Drill Hole Database	Y	0	0	0
<a href="#">EASR</a>	Environmental Activity and Sector Registry	Y	0	0	0
<a href="#">EBR</a>	Environmental Registry	Y	0	0	0
<a href="#">ECA</a>	Environmental Compliance Approval	Y	0	0	0
<a href="#">EEM</a>	Environmental Effects Monitoring	Y	0	0	0
<a href="#">EHS</a>	ERIS Historical Searches	Y	1	1	2
<a href="#">EIS</a>	Environmental Issues Inventory System	Y	0	0	0
<a href="#">EXP</a>	List of TSSA Expired Facilities	Y	0	0	0
<a href="#">FCON</a>	Federal Convictions	Y	0	0	0
<a href="#">FCS</a>	Contaminated Sites on Federal Land	Y	0	0	0
<a href="#">FOFT</a>	Fisheries & Oceans Fuel Tanks	Y	0	0	0
<a href="#">FST</a>	Fuel Storage Tank	Y	0	0	0
<a href="#">GEN</a>	Ontario Regulation 347 Waste Generators Summary	Y	0	28	28
<a href="#">HINC</a>	TSSA Historic Incidents	Y	0	3	3
<a href="#">IAFT</a>	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
<a href="#">INC</a>	TSSA Incidents	Y	0	1	1
<a href="#">LIMO</a>	Landfill Inventory Management Ontario	Y	0	0	0
<a href="#">MINE</a>	Canadian Mine Locations	Y	0	0	0
<a href="#">MNR</a>	Mineral Occurrences	Y	0	0	0
<a href="#">NATE</a>	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
<a href="#">NCPL</a>	Non-Compliance Reports	Y	0	0	0
<a href="#">NDFT</a>	National Defence & Canadian Forces Fuel Tanks	Y	0	0	0
<a href="#">NDSP</a>	National Defence & Canadian Forces Spills	Y	0	0	0
<a href="#">NDWD</a>	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
<a href="#">NEES</a>	National Environmental Emergencies System (NEES)	Y	0	0	0

<b>Database</b>	<b>Name</b>	<b>Searched</b>	<b>Project Property</b>	<b>Boundary to 0.25km</b>	<b>Total</b>
<a href="#">NPCB</a>	National PCB Inventory	Y	0	0	0
<a href="#">NPRI</a>	National Pollutant Release Inventory	Y	0	0	0
<a href="#">OGW</a>	Oil and Gas Wells	Y	0	0	0
<a href="#">OOGW</a>	Ontario Oil and Gas Wells	Y	0	0	0
<a href="#">OPCB</a>	Inventory of PCB Storage Sites	Y	0	0	0
<a href="#">ORD</a>	Orders	Y	0	0	0
<a href="#">PAP</a>	Canadian Pulp and Paper	Y	0	0	0
<a href="#">PCFT</a>	Parks Canada Fuel Storage Tanks	Y	0	0	0
<a href="#">PES</a>	Pesticide Register	Y	0	3	3
<a href="#">PINC</a>	TSSA Pipeline Incidents	Y	0	0	0
<a href="#">PRT</a>	Private and Retail Fuel Storage Tanks	Y	0	0	0
<a href="#">PTTW</a>	Permit to Take Water	Y	0	0	0
<a href="#">REC</a>	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
<a href="#">RSC</a>	Record of Site Condition	Y	0	0	0
<a href="#">RST</a>	Retail Fuel Storage Tanks	Y	0	0	0
<a href="#">SCT</a>	Scott's Manufacturing Directory	Y	0	0	0
<a href="#">SPL</a>	Ontario Spills	Y	0	4	4
<a href="#">SRDS</a>	Wastewater Discharger Registration Database	Y	0	0	0
<a href="#">TANK</a>	Anderson's Storage Tanks	Y	0	0	0
<a href="#">TCFT</a>	Transport Canada Fuel Storage Tanks	Y	0	0	0
<a href="#">VAR</a>	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
<a href="#">WDS</a>	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
<a href="#">WDSH</a>	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
<a href="#">WWIS</a>	Water Well Information System	Y	1	3	4
<b>Total:</b>			<b>2</b>	<b>45</b>	<b>47</b>

## Executive Summary: Site Report Summary – Project Property

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Page Number</b>
<a href="#">7</a>	WWIS		ON	<a href="#">14</a>
<a href="#">8</a>	EHS		Bathurst St and Davis Dr Newmarket ON	<a href="#">14</a>



## Executive Summary: Site Report Summary – Surrounding Properties

Map Key	DB	Company/Site Name	Address	Page Number
<a href="#">1</a>	CA	INTER FAITH HOMES (MANOR GREEN)CORP.	400 CROSSLAND GATE NEWMARKET TOWN ON L3X 1Y9	14
<a href="#">2</a>	HINC		299 KIRBY CRESCENT NEWMARKET ON L3X 1H1	14
<a href="#">3</a>	CA	The Regional Municipality of York	335 Kirby Crescent Newmarket ON L3X 1H2	15
<a href="#">4</a>	HINC		294 KIRBY CRESCENT NEWMARKET ON L3X 1H5	15
<a href="#">5</a>	PES	SYTSMA ANDY LANDSCAPING	306 CROSSLAND GATE NEWMARKET ON L3X 1B2	16
<a href="#">5</a>	PES	SYTSMA ANDY LANDSCAPING	306 CROSSLAND GATE NEWMARKET ON L3X 1B2	16
<a href="#">5</a>	PES	ANDY SYTSMA LANDSCAPING LTD	306 CROSSLAND GATE NEWMARKET ON L3X 1B2	16
<a href="#">6</a>	GEN	GLENWAY COUNTRY CLUB LTD.	470 CROSSLAND GATE NEWMARKET ON L3X 1B8	16
<a href="#">6</a>	GEN	GLENWAY COUNTRY CLUB LIMITED	470 CROSSLAND GATE NEWMARKET ON L3X 1B8	16
<a href="#">6</a>	GEN	glenway country club	470 crossland gate newmarket ON L3X 1B8	17
<a href="#">9</a>	GEN	GLENWAY ESTATES COUNTRY CLUB	240 ALEX DOWER MAINTENANCE SHOP C/O 470 CROSSLAND GATE NEWMARKET ON L3X 1B8	17
<a href="#">9</a>	GEN	GLENWAY COUNTRY CLUB (2010) LIMITED	240 ALEX DONER DRIVE NEWMARKET ON	17
<a href="#">9</a>	GEN	GLENWAY COUNTRY CLUB (2010) LIMITED	240 ALEX DONER DRIVE NEWMARKET ON	18
<a href="#">9</a>	GEN	GLENWAY COUNTRY CLUB (2010) LIMITED	240 ALEX DONER DRIVE NEWMARKET ON	18
<a href="#">9</a>	GEN	GLENWAY COUNTRY CLUB LIMITED	240 ALEX DONER DRIVE NEWMARKET ON L3X 1B8	18
<a href="#">10</a>	WWIS		lot 95 con 1 ON	19
<a href="#">11</a>	INC		71 WILLIAMSON FAMILY HOLLOW, NEWMARKET ON L3X 3K2	19
<a href="#">12</a>	SPL	NEWMARKET HYDRO	240 CROSSLAND GATE TRANSFORMER NEWMARKET TOWN ON L3X 1A9	20
<a href="#">13</a>	HINC		215 CHILCOTT CRESCENT, BUILDING 37, UNIT # 3 NEWMARKET ON L3X 3G6	20
<a href="#">14</a>	GEN	YORK REGION DISTRICT SCHOOL BOARD	Crosslands Public School 255 Brimson Drive Newmarket ON L3X 1H8	20
<a href="#">14</a>	GEN	YORK REGION DISTRICT SCHOOL BOARD	CROSSLAND PUBLIC SCHOOL 255 BRIMSON DRIVE NEWMARKET ON L3X 1H8	21
<a href="#">14</a>	GEN	YORK REGION DISTRICT SCHOOL BOARD	Crosslands Public School 255 Brimson Drive Newmarket ON L3X 1H8	21
<a href="#">14</a>	GEN	YORK REGION DISTRICT SCHOOL BOARD	Crosslands Public School 255 Brimson Drive Newmarket ON L3X 1H8	21

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Page Number</b>
<a href="#">14</a>	GEN	YORK REGION BOARD OF EDUCATION 43-605	CROSSLAND PUBLIC SCHOOL 255 BRIMSON DR. NEWMARKET ON L3X 1H8	22
<a href="#">15</a>	EHS		219 Highway 9 Newmarket ON	22
<a href="#">16</a>	WWIS		ON	22
<a href="#">17</a>	WWIS		ON	23
<a href="#">18</a>	GEN	YORK, REGIONAL MUNICIPALITY OF	RAY TWINNEY RECREATION COMPLEX 100 EAGLE STREET WEST NEWMARKET ON L3Y 4X1	24
<a href="#">18</a>	GEN	THE CORPORATION OF THE TOWN OF NEWMARKET	100 EAGLE STREET WEST NEWMARKET ON	24
<a href="#">18</a>	GEN	YORK, REGIONAL MUNICIPALITY OF 43-522	RAY TWINNEY RECREATION COMPLEX 100 EAGLE STREET WEST NEWMARKET ON L3Y 4X1	25
<a href="#">18</a>	GEN	THE CORPORATION OF THE TOWN OF NEWMARKET	100 EAGLE STREET WEST NEWMARKET ON L3Y 6B1	25
<a href="#">18</a>	GEN	THE CORPORATION OF THE TOWN OF NEWMARKET	100 EAGLE STREET WEST NEWMARKET ON L3Y 6B1	26
<a href="#">18</a>	GEN	THE CORPORATION OF THE TOWN OF NEWMARKET	100 EAGLE STREET WEST NEWMARKET ON	26
<a href="#">18</a>	GEN	THE CORPORATION OF THE TOWN OF NEWMARKET	100 EAGLE STREET WEST NEWMARKET ON	27
<a href="#">18</a>	GEN	NEWMARKET, TOWN OF	NEWMARKET RECREATION COMPLEX 100 EAGLE STREET WEST NEWMARKET ON	27
<a href="#">18</a>	GEN	NEWMARKET, TOWN OF	100 EAGLE STREET WEST NEWMARKET RECREATION COMPLEX NEWMARKET ON	28
<a href="#">18</a>	GEN	YORK, REGIONAL MUNICIPALITY OF 43-522	NEWMARKET RECREATION COMPLEX 100 EAGLE ST. W. BOX 296 NEWMARKET ON L3Y 4X1	28
<a href="#">18</a>	SPL	The Corporation of the Town of Newmarket; Toromont Industries Ltd.	100 Eagle Street West R.J. TWINNEY RECREATION COMPLEX Newmarket ON	29
<a href="#">19</a>	SPL	UNKNOWN	RAY TWINNEY SPORTS COMPLEX, 100 EAGLE ST. WEST NEWMARKET TOWN ON	29
<a href="#">20</a>	SPL	GO TRANSIT	320 EAGLE ST WEST, GO TRANSIT BUS TERMINAL. MOTOR VEHICLE (OPERATING FLUID) NEWMARKET TOWN ON L3Y 7M9	30
<a href="#">21</a>	GEN	KLEIN-TOR EQUINE INC. O/A NEWMARKET ANIMAL HOSPITA	340 EAGLE STREET W UNIT #5 NEWMARKET ON L3Y 7M9	30
<a href="#">21</a>	GEN	KLEIN-TOR EQUINE INC. O/A NEWMARKET ANIMAL HOSPITA	340 EAGLE STREET W UNIT #5 NEWMARKET ON	30
<a href="#">21</a>	GEN	KLEIN-TOR EQUINE INC. O/A NEWMARKET ANIMAL HOSPITA	340 EAGLE STREET W UNIT #5 NEWMARKET ON	31
<a href="#">21</a>	GEN	KLEIN-TOR EQUINE INC. O/A NEWMARKET ANIMAL HOSPITA	340 EAGLE STREET W UNIT #5 NEWMARKET ON	31
<a href="#">21</a>	GEN	KLEIN-TOR EQUINE INC. O/A NEWMARKET ANIMAL HOSPITA	340 EAGLE STREET W UNIT #5 NEWMARKET ON L3Y 7M9	31

## Executive Summary: Summary By Database

### **CA - Certificates of Approval**

A search of the CA database, dated 1985-Oct 30, 2011\* has found that there are 2 CA site(s) within approximately meters of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Map Key</u></b>
INTER FAITH HOMES (MANOR GREEN)CORP.	400 CROSSLAND GATE NEWMARKET TOWN ON L3X 1Y9	1
The Regional Municipality of York	335 Kirby Crescent Newmarket ON L3X 1H2	3

### **EHS - ERIS Historical Searches**

A search of the EHS database, dated 1999-Mar 2013 has found that there are 2 EHS site(s) within approximately meters of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Map Key</u></b>
	Bathurst St and Davis Dr Newmarket ON	8
	219 Highway 9 Newmarket ON	15

### **GEN - Ontario Regulation 347 Waste Generators Summary**

A search of the GEN database, dated 1986-Apr 2012 has found that there are 28 GEN site(s) within approximately meters of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Map Key</u></b>
GLENWAY COUNTRY CLUB LTD.	470 CROSSLAND GATE NEWMARKET ON L3X 1B8	6
GLENWAY COUNTRY CLUB LIMITED	470 CROSSLAND GATE NEWMARKET ON L3X 1B8	6
glenway country club	470 crossland gate newmarket ON L3X 1B8	6
GLENWAY ESTATES COUNTRY CLUB	240 ALEX DOWER MAINTENANCE SHOP C/O 470 CROSSLAND GATE NEWMARKET ON L3X 1B8	9
GLENWAY COUNTRY CLUB (2010) LIMITED	240 ALEX DONER DRIVE NEWMARKET ON	9
GLENWAY COUNTRY CLUB (2010) LIMITED	240 ALEX DONER DRIVE NEWMARKET ON	9
GLENWAY COUNTRY CLUB (2010) LIMITED	240 ALEX DONER DRIVE NEWMARKET ON	9

<b>Site</b>	<b>Address</b>	<b>Map Key</b>
GLENWAY COUNTRY CLUB LIMITED	240 ALEX DONER DRIVE NEWMARKET ON L3X 1B8	9
YORK REGION DISTRICT SCHOOL BOARD	Crosslands Public School 255 Brimson Drive Newmarket ON L3X 1H8	14
YORK REGION DISTRICT SCHOOL BOARD	Crosslands Public School 255 Brimson Drive Newmarket ON L3X 1H8	14
YORK REGION DISTRICT SCHOOL BOARD	CROSSLAND PUBLIC SCHOOL 255 BRIMSON DRIVE NEWMARKET ON L3X 1H8	14
YORK REGION DISTRICT SCHOOL BOARD	Crosslands Public School 255 Brimson Drive Newmarket ON L3X 1H8	14
YORK REGION BOARD OF EDUCATION 43-605	CROSSLAND PUBLIC SCHOOL 255 BRIMSON DR. NEWMARKET ON L3X 1H8	14
YORK, REGIONAL MUNICIPALITY OF 43-522	NEWMARKET RECREATION COMPLEX 100 EAGLE ST. W. BOX 296 NEWMARKET ON L3Y 4X1	18
NEWMARKET, TOWN OF	100 EAGLE STREET WEST NEWMARKET RECREATION COMPLEX NEWMARKET ON	18
NEWMARKET, TOWN OF	NEWMARKET RECREATION COMPLEX 100 EAGLE STREET WEST NEWMARKET ON	18
THE CORPORATION OF THE TOWN OF NEWMARKET	100 EAGLE STREET WEST NEWMARKET ON	18
THE CORPORATION OF THE TOWN OF NEWMARKET	100 EAGLE STREET WEST NEWMARKET ON	18
THE CORPORATION OF THE TOWN OF NEWMARKET	100 EAGLE STREET WEST NEWMARKET ON L3Y 6B1	18
THE CORPORATION OF THE TOWN OF NEWMARKET	100 EAGLE STREET WEST NEWMARKET ON L3Y 6B1	18
YORK, REGIONAL MUNICIPALITY OF 43-522	RAY TWINNEY RECREATION COMPLEX 100 EAGLE STREET WEST NEWMARKET ON L3Y 4X1	18
THE CORPORATION OF THE TOWN OF NEWMARKET	100 EAGLE STREET WEST NEWMARKET ON	18
YORK, REGIONAL MUNICIPALITY OF	RAY TWINNEY RECREATION COMPLEX 100 EAGLE STREET WEST NEWMARKET ON L3Y 4X1	18
KLEIN-TOR EQUINE INC. O/A NEWMARKET ANIMAL HOSPITA	340 EAGLE STREET W UNIT #5 NEWMARKET ON	21
KLEIN-TOR EQUINE INC. O/A NEWMARKET ANIMAL HOSPITA	340 EAGLE STREET W UNIT #5 NEWMARKET ON	21
KLEIN-TOR EQUINE INC. O/A NEWMARKET ANIMAL HOSPITA	340 EAGLE STREET W UNIT #5 NEWMARKET ON	21
KLEIN-TOR EQUINE INC. O/A NEWMARKET ANIMAL HOSPITA	340 EAGLE STREET W UNIT #5 NEWMARKET ON L3Y 7M9	21
KLEIN-TOR EQUINE INC. O/A NEWMARKET ANIMAL HOSPITA	340 EAGLE STREET W UNIT #5 NEWMARKET ON L3Y 7M9	21

## **HINC - TSSA Historic Incidents**

A search of the HINC database, dated 2006-June 2009 has found that there are 3 HINC site(s) within approximately meters of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Map Key</u></b>
	299 KIRBY CRESCENT NEWMARKET ON L3X 1H1	2
	294 KIRBY CRESCENT NEWMARKET ON L3X 1H5	4
	215 CHILCOTT CRESCENT, BUILDING 37, UNIT # 3 NEWMARKET ON L3X 3G6	13

## **INC - TSSA Incidents**

A search of the INC database, dated June 2009-Apr 2013 has found that there are 1 INC site(s) within approximately meters of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Map Key</u></b>
	71 WILLIAMSON FAMILY HOLLOW, NEWMARKET ON L3X 3K2	11

## **PES - Pesticide Register**

A search of the PES database, dated 1988-Jun 2013 has found that there are 3 PES site(s) within approximately meters of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Map Key</u></b>
SYTSMA ANDY LANDSCAPING	306 CROSSLAND GATE NEWMARKET ON L3X 1B2	5
SYTSMA ANDY LANDSCAPING	306 CROSSLAND GATE NEWMARKET ON L3X 1B2	5
ANDY SYTSMA LANDSCAPING LTD	306 CROSSLAND GATE NEWMARKET ON L3X 1B2	5

## **SPL - Ontario Spills**

A search of the SPL database, dated 1988-Aug 2012 has found that there are 4 SPL site(s) within approximately meters of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Map Key</u></b>
NEWMARKET HYDRO	240 CROSSLAND GATE TRANSFORMER NEWMARKET TOWN ON L3X 1A9	12
The Corporation of the Town of Newmarket; Toromont Industries Ltd.	100 Eagle Street West R.J. TWINNEY RECREATION COMPLEX Newmarket ON	18
UNKNOWN	RAY TWINNEY SPORTS COMPLEX, 100 EAGLE ST. WEST NEWMARKET TOWN ON	19

<u>Site</u>	<u>Address</u>	<u>Map Key</u>
GO TRANSIT	320 EAGLE ST WEST, GO TRANSIT BUS TERMINAL. MOTOR VEHICLE (OPERATING FLUID) NEWMARKET TOWN ON L3Y 7M9	20

**WWIS - Water Well Information System**

A search of the WWIS database, dated 1955-May 2013 has found that there are 4 WWIS site(s) within approximately meters of the project property.

<u>Site</u>	<u>Address</u>	<u>Map Key</u>
	ON	7
	lot 95 con 1 ON	10
	ON	16
	ON	17



# Map

Order No: 20131108034

Address: 470 Crossland Gate, Newmarket, ON, L3X1B8

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





# Aerial

Order No: 20131108034

Address: 470 Crossland Gate, Newmarket, ON, L3X1B8



## Detail Report

Map Key	Number of Records	Elevation m	Site	DB		
7	1 of 1	277.7	ON	<a href="#">WWIS</a>		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>Well Id: 7179431</p> <p>Concession: YORK</p> <p>County: YORK</p> <p>Easting Nad83: 620779</p> <p>Zone: 17</p> <p>Primary Water Use:</p> <p>Sec. Water Use:</p> <p>Pump Rate:</p> <p>Flow Rate:</p> <p>Specific Capacity:</p> <p>Construction Method:</p> <p>Elevation (m):</p> <p>Depth to Bedrock:</p> <p>Water Type:</p> </td> <td style="width: 50%; vertical-align: top;"> <p>Lot:</p> <p>Concession Name: NEWMARKET TOWN (KING)</p> <p>Municipality: 4878051</p> <p>Northing Nad83: margin of error : 30 m - 100 m</p> <p>Utm Reliability: 19-DEC-11</p> <p>Construction Date:</p> <p>Well Depth:</p> <p>Static Water Level:</p> <p>Clear/Cloudy:</p> <p>Final Well Status:</p> <p>Flowing (y/n):</p> <p>Elevation Reliability:</p> <p>Overburden/Bedrock:</p> <p>Casing Material:</p> </td> </tr> </table>					<p>Well Id: 7179431</p> <p>Concession: YORK</p> <p>County: YORK</p> <p>Easting Nad83: 620779</p> <p>Zone: 17</p> <p>Primary Water Use:</p> <p>Sec. Water Use:</p> <p>Pump Rate:</p> <p>Flow Rate:</p> <p>Specific Capacity:</p> <p>Construction Method:</p> <p>Elevation (m):</p> <p>Depth to Bedrock:</p> <p>Water Type:</p>	<p>Lot:</p> <p>Concession Name: NEWMARKET TOWN (KING)</p> <p>Municipality: 4878051</p> <p>Northing Nad83: margin of error : 30 m - 100 m</p> <p>Utm Reliability: 19-DEC-11</p> <p>Construction Date:</p> <p>Well Depth:</p> <p>Static Water Level:</p> <p>Clear/Cloudy:</p> <p>Final Well Status:</p> <p>Flowing (y/n):</p> <p>Elevation Reliability:</p> <p>Overburden/Bedrock:</p> <p>Casing Material:</p>
<p>Well Id: 7179431</p> <p>Concession: YORK</p> <p>County: YORK</p> <p>Easting Nad83: 620779</p> <p>Zone: 17</p> <p>Primary Water Use:</p> <p>Sec. Water Use:</p> <p>Pump Rate:</p> <p>Flow Rate:</p> <p>Specific Capacity:</p> <p>Construction Method:</p> <p>Elevation (m):</p> <p>Depth to Bedrock:</p> <p>Water Type:</p>	<p>Lot:</p> <p>Concession Name: NEWMARKET TOWN (KING)</p> <p>Municipality: 4878051</p> <p>Northing Nad83: margin of error : 30 m - 100 m</p> <p>Utm Reliability: 19-DEC-11</p> <p>Construction Date:</p> <p>Well Depth:</p> <p>Static Water Level:</p> <p>Clear/Cloudy:</p> <p>Final Well Status:</p> <p>Flowing (y/n):</p> <p>Elevation Reliability:</p> <p>Overburden/Bedrock:</p> <p>Casing Material:</p>					
8	1 of 1	275.0	Bathurst St and Davis Dr Newmarket ON	<a href="#">EHS</a>		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>Order No.: 20111026046</p> <p>Report Date: 11/3/2011</p> <p>Report Type: Custom Report</p> <p>Search Radius (km): 0.25</p> <p>Addit. Info Ordered:</p> </td> <td style="width: 50%;"></td> </tr> </table>					<p>Order No.: 20111026046</p> <p>Report Date: 11/3/2011</p> <p>Report Type: Custom Report</p> <p>Search Radius (km): 0.25</p> <p>Addit. Info Ordered:</p>	
<p>Order No.: 20111026046</p> <p>Report Date: 11/3/2011</p> <p>Report Type: Custom Report</p> <p>Search Radius (km): 0.25</p> <p>Addit. Info Ordered:</p>						
1	1 of 1	275.7	INTER FAITH HOMES (MANOR GREEN)CORP. 400 CROSSLAND GATE NEWMARKET TOWN ON L3X 1Y9	<a href="#">CA</a>		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>Certificate #: 8-3396-92-</p> <p>Application Year: 92</p> <p>Issue Date: 2/4/1993</p> <p>Approval Type: Industrial air</p> <p>Status: Approved in 1993</p> <p>Application Type:</p> <p>Client Name:</p> <p>Client Address:</p> <p>Client City:</p> <p>Client Postal Code:</p> <p>Project Description: EMERGENCY DIESEL GENERATOR, 100KW/125KVA</p> <p>Contaminants: Nitrogen Oxides</p> <p>Emission Control: No Controls</p> </td> <td style="width: 50%;"></td> </tr> </table>					<p>Certificate #: 8-3396-92-</p> <p>Application Year: 92</p> <p>Issue Date: 2/4/1993</p> <p>Approval Type: Industrial air</p> <p>Status: Approved in 1993</p> <p>Application Type:</p> <p>Client Name:</p> <p>Client Address:</p> <p>Client City:</p> <p>Client Postal Code:</p> <p>Project Description: EMERGENCY DIESEL GENERATOR, 100KW/125KVA</p> <p>Contaminants: Nitrogen Oxides</p> <p>Emission Control: No Controls</p>	
<p>Certificate #: 8-3396-92-</p> <p>Application Year: 92</p> <p>Issue Date: 2/4/1993</p> <p>Approval Type: Industrial air</p> <p>Status: Approved in 1993</p> <p>Application Type:</p> <p>Client Name:</p> <p>Client Address:</p> <p>Client City:</p> <p>Client Postal Code:</p> <p>Project Description: EMERGENCY DIESEL GENERATOR, 100KW/125KVA</p> <p>Contaminants: Nitrogen Oxides</p> <p>Emission Control: No Controls</p>						
2	1 of 1	285.6	299 KIRBY CRESCENT NEWMARKET ON L3X 1H1	<a href="#">HINC</a>		

<b>Map Key</b>	<b>Number of Records</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
<p>External File Num: FS INC 0709-05423  Date of Occurrence: 8/1/2007  Fuel Occurrence Type: Pipeline Strike  Fuel Type Involved: Natural Gas  Status Desc: Completed - Causal Analysis(End)  Job Type Desc: Incident/Near-Miss Occurrence (FS)  Oper. Type Involved: Construction Site (pipeline strike)  Service Interruptions: Yes  Property Damage: No  Fuel Life Cycle Stage: Transmission, Distribution and Transportation  Root Cause: Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No  Training:No Management:No Human Factors:Yes</p> <p>Reported Details:  Fuel Category: Gaseous Fuel  Occurrence Type: Incident  Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)  County Name: York  Approx. Quant. Rel:  Nearby body of water:  Enter Drainage Syst.:  Approx. Quant. Unit:  Environmental Impact:</p>				

---

<b>3</b>	<b>1 of 1</b>	<b>296.7</b>	<b>The Regional Municipality of York 335 Kirby Crescent Newmarket ON L3X 1H2</b>	<b><a href="#">CA</a></b>
----------	---------------	--------------	--	---------------------------

Certificate #: 4554-62FKDL  
Application Year: 2004  
Issue Date: 8/4/2004  
Approval Type: Air  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

<b>4</b>	<b>1 of 1</b>	<b>283.7</b>	<b>294 KIRBY CRESCENT NEWMARKET ON L3X 1H5</b>	<b><a href="#">HINC</a></b>
----------	---------------	--------------	--	-----------------------------

External File Num: FS INC 0806-02600  
Date of Occurrence: 5/28/2008  
Fuel Occurrence Type: Pipeline Strike  
Fuel Type Involved: Natural Gas  
Status Desc: Completed - Causal Analysis(End)  
Job Type Desc: Incident/Near-Miss Occurrence (FS)  
Oper. Type Involved: Private Dwelling  
Service Interruptions: No  
Property Damage: No  
Fuel Life Cycle Stage: Utilization  
Root Cause: Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No  
Training:No Management:Yes Human Factors:No

Reported Details:  
Fuel Category: Gaseous Fuel  
Occurrence Type: Incident

<b>Map Key</b>	<b>Number of Records</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
Affiliation: County Name: Approx. Quant. Rel: Nearby body of water: Enter Drainage Syst.: Approx. Quant. Unit: Environmental Impact:		Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) York		
<b>5</b>	<b>1 of 3</b>	<b>274.0</b>	<b>SYTSMA ANDY LANDSCAPING 306 CROSSLAND GATE NEWMARKET ON L3X 1B2</b>	<b><u>PES</u></b>
Licence No.: Licence Type:		Operator		
<b>5</b>	<b>2 of 3</b>	<b>274.0</b>	<b>SYTSMA ANDY LANDSCAPING 306 CROSSLAND GATE NEWMARKET ON L3X 1B2</b>	<b><u>PES</u></b>
Licence No.: Licence Type:		Operator		
<b>5</b>	<b>3 of 3</b>	<b>274.0</b>	<b>ANDY SYTSMA LANDSCAPING LTD 306 CROSSLAND GATE NEWMARKET ON L3X 1B2</b>	<b><u>PES</u></b>
Licence No.: Licence Type:		02-01-05502-0 Operator		
<b>6</b>	<b>1 of 3</b>	<b>272.0</b>	<b>GLENWAY COUNTRY CLUB LTD. 470 CROSSLAND GATE NEWMARKET ON L3X 1B8</b>	<b><u>GEN</u></b>
SIC Code: SIC Description: Generator #: Approval Yrs:		9651 GOLF COURSES ON1144600 92,93,94,95,96,97,98		
--- Details ---				
Waste Code: Waste Description: + Waste Code: Waste Description:		213 PETROLEUM DISTILLATES 252 WASTE OILS & LUBRICANTS		
<b>6</b>	<b>2 of 3</b>	<b>272.0</b>	<b>GLENWAY COUNTRY CLUB LIMITED 470 CROSSLAND GATE NEWMARKET ON L3X 1B8</b>	<b><u>GEN</u></b>
SIC Code: SIC Description: Generator #: Approval Yrs:		9651 GOLF COURSES ON1144600 99,00,01		
--- Details ---				

<b>Map Key</b>	<b>Number of Records</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
Waste Code:		145		
Waste Description:		PAINT/PIGMENT/COATING RESIDUES		
+				
Waste Code:		212		
Waste Description:		ALIPHATIC SOLVENTS		
+				
Waste Code:		213		
Waste Description:		PETROLEUM DISTILLATES		
+				
Waste Code:		252		
Waste Description:		WASTE OILS & LUBRICANTS		

**6**      **3 of 3**      **272.0**      **glenway country club  
470 crossland gate  
newmarket ON L3X 1B8**      [GEN](#)

SIC Code: 713910  
SIC Description: Golf Courses and Country Clubs  
Generator #: ON6207605  
Approval Yrs: 04

**9**      **1 of 5**      **273.0**      **GLENWAY ESTATES COUNTRY CLUB  
240 ALEX DOWER MAINTENANCE SHOP C/O 470  
CROSSLAND GATE  
NEWMARKET ON L3X 1B8**      [GEN](#)

SIC Code: 9651  
SIC Description: GOLF COURSES  
Generator #: ON1144600  
Approval Yrs: 89

--- Details ---

Waste Code: 213  
Waste Description: PETROLEUM DISTILLATES  
+  
Waste Code: 252  
Waste Description: WASTE OILS & LUBRICANTS

**9**      **2 of 5**      **273.0**      **GLENWAY COUNTRY CLUB (2010) LIMITED  
240 ALEX DONER DRIVE  
NEWMARKET ON**      [GEN](#)

SIC Code: 713910  
SIC Description: Golf Courses and Country Clubs  
Generator #: ON1144600  
Approval Yrs: 2011

--- Details ---

Waste Code: 212  
Waste Description: ALIPHATIC SOLVENTS  
+  
Waste Code: 252  
Waste Description: WASTE OILS & LUBRICANTS  
+  
Waste Code: 145  
Waste Description: PAINT/PIGMENT/COATING RESIDUES  
+  
Waste Code: 213  
Waste Description: PETROLEUM DISTILLATES

<b>Map Key</b>	<b>Number of Records</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
<b>9</b>	<b>3 of 5</b>	<b>273.0</b>	<b>GLENWAY COUNTRY CLUB (2010) LIMITED 240 ALEX DONER DRIVE NEWMARKET ON</b>	<a href="#"><u>GEN</u></a>
<p>SIC Code: 713910  SIC Description: Golf Courses and Country Clubs  Generator #: ON1144600  Approval Yrs: 2010</p> <p>--- Details ---  Waste Code: 145  Waste Description: PAINT/PIGMENT/COATING RESIDUES  +  Waste Code: 212  Waste Description: ALIPHATIC SOLVENTS  +  Waste Code: 213  Waste Description: PETROLEUM DISTILLATES  +  Waste Code: 252  Waste Description: WASTE OILS &amp; LUBRICANTS</p>				
<b>9</b>	<b>4 of 5</b>	<b>273.0</b>	<b>GLENWAY COUNTRY CLUB (2010) LIMITED 240 ALEX DONER DRIVE NEWMARKET ON</b>	<a href="#"><u>GEN</u></a>
<p>SIC Code: 713910  SIC Description: Golf Courses and Country Clubs  Generator #: ON1144600  Approval Yrs: 2009</p> <p>--- Details ---  Waste Code: 145  Waste Description: PAINT/PIGMENT/COATING RESIDUES  +  Waste Code: 212  Waste Description: ALIPHATIC SOLVENTS  +  Waste Code: 213  Waste Description: PETROLEUM DISTILLATES  +  Waste Code: 252  Waste Description: WASTE OILS &amp; LUBRICANTS</p>				
<b>9</b>	<b>5 of 5</b>	<b>273.0</b>	<b>GLENWAY COUNTRY CLUB LIMITED 240 ALEX DONER DRIVE NEWMARKET ON L3X 1B8</b>	<a href="#"><u>GEN</u></a>
<p>SIC Code:  SIC Description:  Generator #: ON1144600  Approval Yrs: 02,03,04,05,06,07,08</p> <p>--- Details ---  Waste Code: 145  Waste Description: PAINT/PIGMENT/COATING RESIDUES  +  Waste Code: 212  Waste Description: ALIPHATIC SOLVENTS</p>				

<b>Map Key</b>	<b>Number of Records</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
<hr/>				
+ Waste Code: 213 Waste Description: PETROLEUM DISTILLATES + Waste Code: 252 Waste Description: WASTE OILS & LUBRICANTS <hr/>				
<b>10</b>	<b>1 of 1</b>	<b>286.0</b>	<b>lot 95 con 1 ON</b>	<a href="#"><u>WWIS</u></a>
Well Id: 7185183      Lot: 095 Concession: 01      Concession Name: YS W County: YORK      Municipality: NEWMARKET TOWN (KING) Easting Nad83: 620124      Northing Nad83: 4878490 Zone: 17      Utm Reliability: margin of error : 30 m - 100 m Primary Water Use:      Construction Date: 05-MAR-12 Sec. Water Use:      Well Depth: Pump Rate:      Static Water Level: Flow Rate:      Clear/Cloudy: Specific Capacity:      Final Well Status: Construction Method:      Flowing (y/n): Elevation (m):      Elevation Reliability: Depth to Bedrock:      Overburden/Bedrock: Water Type:      Casing Material: <hr/>				
<b>11</b>	<b>1 of 1</b>	<b>280.3</b>	<b>71 WILLIAMSON FAMILY HOLLOW, NEWMARKET ON L3X 3K2</b>	<a href="#"><u>INC</u></a>
Incident ID: 2243584 Incident Number: 92774 SR Type: FS-Incident Status Code: Causal Analysis Complete Summary: 1/2" PIPELINE HIT - 71 WILLIAMSON FAMILY HOLLOW, NEWMARKET Drainage System: Sub Surface Contam.: Aff. Prop. Use Water: Contam. Migrated: Contact Natural Env.: Near Body of Water: Approx. Quant. Rel.: Equipment Model: Serial No: Residential App. Type: Commercial App. Type: Industrial App. Type: Institutional App. Type: Venting Type: Vent Connector Mater.: Vent Chimney Mater.: Notes: Pipeline Type: Service / Riser Distribution Pipeline Pipeline Involved: Pipe Material: Plastic Depth Ground Cover: Regulator Location: Outside Regulator Type: Service Regulator (up to 60 psi intake) Operation Pressure: IP Pipeline Notes: Liquid Prop Make: Liquid Prop Model: <hr/>				

<b>Map Key</b>	<b>Number of Records</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
Liquid Prop Serial No: Equipment Type: Cylinder Capacity: Cylinder Capac. Units: Cylinder Material Type: Tank Capacity: Tank Material Type: Tank Storage Type: Tank Location Type: Pump Flow Rate Capac.: Liquid Prop Notes:				
<b>12</b>	<b>1 of 1</b>	<b>272.0</b>	<b>NEWMARKET HYDRO 240 CROSSLAND GATE TRANSFORMER NEWMARKET TOWN ON L3X 1A9</b>	<b><a href="#">SPL</a></b>
Ref No.: 118251 Incident Dt: 9/8/1995 MOE Reported Dt: 9/8/1995 Contaminant Name: Contaminant Quantity: Incident Summary: NEWMARKET HYDRO 250L NON PCB OIL TO ROAD,& SEWER.CLEANING,WORKS ON SITE Incident Cause: COOLING SYSTEM LEAK Incident Reason: DAMAGE BY MOVING EQUIPMENT Nature of Impact: Multi Media Pollution Receiving Medium: LAND / WATER Environmental Impact: POSSIBLE				
<b>13</b>	<b>1 of 1</b>	<b>269.0</b>	<b>215 CHILCOTT CRESCENT, BUILDING 37, UNIT # 3 NEWMARKET ON L3X 3G6</b>	<b><a href="#">HINC</a></b>
External File Num: FS INC 0712-07321 Date of Occurrence: 10/17/2007 Fuel Occurrence Type: Pipeline Strike Fuel Type Involved: Natural Gas Status Desc: Completed - Causal Analysis(End) Job Type Desc: Incident/Near-Miss Occurrence (FS) Oper. Type Involved: Construction Site (pipeline strike) Service Interruptions: Yes Property Damage: No Fuel Life Cycle Stage: Transmission, Distribution and Transportation Root Cause: Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:No Management:Yes Human Factors:Yes Reported Details: Fuel Category: Gaseous Fuel Occurrence Type: Incident Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) County Name: York Approx. Quant. Rel: Nearby body of water: Enter Drainage Syst.: Approx. Quant. Unit: Environmental Impact:				
<b>14</b>	<b>1 of 5</b>	<b>281.0</b>	<b>YORK REGION DISTRICT SCHOOL BOARD Crosslands Public School 255 Brimson Drive Newmarket ON L3X 1H8</b>	<b><a href="#">GEN</a></b>



<b>Map Key</b>	<b>Number of Records</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
<p>SIC Code: 611690  SIC Description: All Other Schools and Instruction  Generator #: ON7286969  Approval Yrs: 07,08</p> <p>--- Details ---  Waste Code: 263  Waste Description: ORGANIC LABORATORY CHEMICALS</p>				
<b>14</b>	<b>2 of 5</b>	<b>281.0</b>	<b>YORK REGION DISTRICT SCHOOL BOARD CROSSLAND PUBLIC SCHOOL 255 BRIMSON DRIVE NEWMARKET ON L3X 1H8</b>	<b><a href="#">GEN</a></b>
<p>SIC Code: 8511  SIC Description: ELEMNT./SECON. EDUC.  Generator #: ON1279530  Approval Yrs: 99,00,01</p> <p>--- Details ---  Waste Code: 148  Waste Description: INORGANIC LABORATORY CHEMICALS  +  Waste Code: 231  Waste Description: LATEX WASTES  +  Waste Code: 232  Waste Description: POLYMERIC RESINS  +  Waste Code: 263  Waste Description: ORGANIC LABORATORY CHEMICALS</p>				
<b>14</b>	<b>3 of 5</b>	<b>281.0</b>	<b>YORK REGION DISTRICT SCHOOL BOARD Crosslands Public School 255 Brimson Drive Newmarket ON L3X 1H8</b>	<b><a href="#">GEN</a></b>
<p>SIC Code: 611690  SIC Description: All Other Schools and Instruction  Generator #: ON7286969  Approval Yrs: 2010</p> <p>--- Details ---  Waste Code: 263  Waste Description: ORGANIC LABORATORY CHEMICALS  +  Waste Code: 212  Waste Description: ALIPHATIC SOLVENTS</p>				
<b>14</b>	<b>4 of 5</b>	<b>281.0</b>	<b>YORK REGION DISTRICT SCHOOL BOARD Crosslands Public School 255 Brimson Drive Newmarket ON L3X 1H8</b>	<b><a href="#">GEN</a></b>
<p>SIC Code: 611690  SIC Description: All Other Schools and Instruction  Generator #: ON7286969  Approval Yrs: 2011</p> <p>--- Details ---  Waste Code: 212  Waste Description: ALIPHATIC SOLVENTS</p>				

Map Key	Number of Records	Elevation m	Site	DB
+ Waste Code: 263 Waste Description: ORGANIC LABORATORY CHEMICALS				
<b>14</b>	<b>5 of 5</b>	<b>281.0</b>	<b>YORK REGION BOARD OF EDUCATION 43-605 CROSSLAND PUBLIC SCHOOL 255 BRIMSON DR. NEWMARKET ON L3X 1H8</b>	<a href="#"><u>GEN</u></a>
SIC Code: 8511 SIC Description: ELEM./SECON. EDUC. Generator #: ON1279530 Approval Yrs: 93,94,95,96,97,98				
--- Details ---				
Waste Code: 148 Waste Description: INORGANIC LABORATORY CHEMICALS				
+ Waste Code: 231 Waste Description: LATEX WASTES				
+ Waste Code: 232 Waste Description: POLYMERIC RESINS				
+ Waste Code: 263 Waste Description: ORGANIC LABORATORY CHEMICALS				
<b>15</b>	<b>1 of 1</b>	<b>283.0</b>	<b>219 Highway 9 Newmarket ON</b>	<a href="#"><u>EHS</u></a>
Order No.: 20121031026 Report Date: 09-NOV-12 Report Type: Standard Report Search Radius (km): .25 Addit. Info Ordered: Fire Insur. Maps and/or Site Plans; Title Searches; Topographic Maps; City Directory; Aerial Photos				
<b>16</b>	<b>1 of 1</b>	<b>280.0</b>	<b>ON</b>	<a href="#"><u>WWIS</u></a>
Well Id: 6915175 Concession: 01 County: YORK				
Easting Nad83: 621014.6 Zone: 17 Primary Water Use: Domestic Sec. Water Use: Pump Rate: 10 GPM Flow Rate: Specific Capacity: Construction Method: Cable Tool Elevation (m): 280.9 Depth to Bedrock: Water Type: FRESH				
Lot: 096 Concession Name: YS W Municipality: NEWMARKET TOWN (EAST GWILLIMBURY) Northing Nad83: 4879023 Utm Reliability: margin of error : 100 m - 300 m Construction Date: 30-AUG-79 Well Depth: 27 ft Static Water Level: 45 ft Clear/Cloudy: CLEAR Final Well Status: Water Supply Flowing (y/n): N Elevation Reliability: Overburden/Bedrock: Overburden Casing Material: STEEL				
--- Details ---				
Thickness: 27 ft Material Colour: GREY				
+ Original Depth: 27 ft Material: CLAY, STONES				

<b>Map Key</b>	<b>Number of Records</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
Thickness:	75 ft			Original Depth: 102 ft
Material Colour:	BLUE			Material: CLAY, STONES
+				
Thickness:	18 ft			Original Depth: 120 ft
Material Colour:	BLUE			Material: CLAY
+				
Thickness:	17 ft			Original Depth: 137 ft
Material Colour:	GREY			Material: SAND, CLAY, STONES

**17**      **1 of 1**      **265.1**      **ON**      [WWIS](#)

Well Id:	6913276	Lot:	093
Concession:	01	Concession Name:	YS W
County:	YORK	Municipality:	NEWMARKET TOWN (KING)
Easting Nad83:	621433.6	Northing Nad83:	4878064
Zone:	17	Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:		Construction Date:	17-OCT-75
Sec. Water Use:		Well Depth:	5 ft
Pump Rate:		Static Water Level:	
Flow Rate:		Clear/Cloudy:	
Specific Capacity:		Final Well Status:	Abandoned-Supply
Construction Method:	Rotary (Convent.)	Flowing (y/n):	
Elevation (m):	265.07	Elevation Reliability:	
Depth to Bedrock:	321	Overburden/Bedrock:	Bedrock
Water Type:		Casing Material:	

--- Details ---

Thickness:	3 ft	Original Depth:	3 ft
Material Colour:	GREY	Material:	CLAY
+			
Thickness:	2 ft	Original Depth:	5 ft
Material Colour:	BLACK	Material:	MUCK
+			
Thickness:	17 ft	Original Depth:	22 ft
Material Colour:	GREY	Material:	CLAY
+			
Thickness:	3 ft	Original Depth:	25 ft
Material Colour:	GREY	Material:	SILT, GRAVEL
+			
Thickness:	5 ft	Original Depth:	35 ft
Material Colour:	BROWN	Material:	GRAVEL, BOULDERS, SAND
+			
Thickness:	229 ft	Original Depth:	264 ft
Material Colour:	GREY	Material:	CLAY, GRAVEL
+			
Thickness:	57 ft	Original Depth:	321 ft
Material Colour:	GREY	Material:	CLAY, GRAVEL
+			
Thickness:	4 ft	Original Depth:	325 ft
Material Colour:	GREY	Material:	LIMESTONE
+			
Thickness:	5 ft	Original Depth:	30 ft

Map Key	Number of Records	Elevation m	Site	DB
Material Colour:	GREY		Material:	CLAY, SILT, SAND

**18**      **1 of 11**      **265.0**      **YORK, REGIONAL MUNICIPALITY OF  
RAY TWINNEY RECREATION COMPLEX 100 EAGLE  
STREET WEST  
NEWMARKET ON L3Y 4X1**      [GEN](#)

SIC Code: 4999  
SIC Description: OTHER UTILITY IND.  
Generator #: ON0722311  
Approval Yrs: 99,00,01,02,03,04

--- Details ---

Waste Code: 145  
Waste Description: PAINT/PIGMENT/COATING RESIDUES  
+  
Waste Code: 148  
Waste Description: INORGANIC LABORATORY CHEMICALS  
+  
Waste Code: 212  
Waste Description: ALIPHATIC SOLVENTS  
+  
Waste Code: 213  
Waste Description: PETROLEUM DISTILLATES  
+  
Waste Code: 221  
Waste Description: LIGHT FUELS  
+  
Waste Code: 242  
Waste Description: HALOGENATED PESTICIDES  
+  
Waste Code: 252  
Waste Description: WASTE OILS & LUBRICANTS  
+  
Waste Code: 263  
Waste Description: ORGANIC LABORATORY CHEMICALS  
+  
Waste Code: 269  
Waste Description: NON-HALOGENATED PESTICIDES  
+  
Waste Code: 312  
Waste Description: PATHOLOGICAL WASTES  
+  
Waste Code: 331  
Waste Description: WASTE COMPRESSED GASES

**18**      **2 of 11**      **265.0**      **THE CORPORATION OF THE TOWN OF NEWMARKET  
100 EAGLE STREET WEST  
NEWMARKET ON**      [GEN](#)

SIC Code: 711319  
SIC Description: Sports Stadiums and Other Presenters with Facilities  
Generator #: ON0903900  
Approval Yrs: 2010

--- Details ---

Waste Code: 252  
Waste Description: WASTE OILS & LUBRICANTS  
+  
Waste Code: 211  
Waste Description: AROMATIC SOLVENTS

<b>Map Key</b>	<b>Number of Records</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
+ Waste Code: 133 Waste Description: BRINES, CHLOR-ALKALI WASTES				
<b>18</b>	<b>3 of 11</b>	<b>265.0</b>	<b>YORK, REGIONAL MUNICIPALITY OF 43-522 RAY TWINNEY RECREATION COMPLEX 100 EAGLE STREET WEST NEWMARKET ON L3Y 4X1</b>	<b><a href="#">GEN</a></b>
SIC Code: 4999 SIC Description: OTHER UTILITY IND. Generator #: ON0722311 Approval Yrs: 92,93,95,96,97,98				
--- Details ---				
Waste Code: 145 Waste Description: PAINT/PIGMENT/COATING RESIDUES				
+ Waste Code: 148 Waste Description: INORGANIC LABORATORY CHEMICALS				
+ Waste Code: 212 Waste Description: ALIPHATIC SOLVENTS				
+ Waste Code: 213 Waste Description: PETROLEUM DISTILLATES				
+ Waste Code: 221 Waste Description: LIGHT FUELS				
+ Waste Code: 242 Waste Description: HALOGENATED PESTICIDES				
+ Waste Code: 252 Waste Description: WASTE OILS & LUBRICANTS				
+ Waste Code: 263 Waste Description: ORGANIC LABORATORY CHEMICALS				
+ Waste Code: 269 Waste Description: NON-HALOGENATED PESTICIDES				
+ Waste Code: 312 Waste Description: PATHOLOGICAL WASTES				
+ Waste Code: 331 Waste Description: WASTE COMPRESSED GASES				
<b>18</b>	<b>4 of 11</b>	<b>265.0</b>	<b>THE CORPORATION OF THE TOWN OF NEWMARKET 100 EAGLE STREET WEST NEWMARKET ON L3Y 6B1</b>	<b><a href="#">GEN</a></b>
SIC Code: SIC Description: Generator #: ON0903900 Approval Yrs: 02,03,04,05,06,07,08				
--- Details ---				
Waste Code: 133 Waste Description: BRINES, CHLOR-ALKALI WASTES				
+				

<b>Map Key</b>	<b>Number of Records</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
Waste Code:		145		
Waste Description:		PAINT/PIGMENT/COATING RESIDUES		
+				
Waste Code:		148		
Waste Description:		INORGANIC LABORATORY CHEMICALS		
+				
Waste Code:		213		
Waste Description:		PETROLEUM DISTILLATES		
+				
Waste Code:		221		
Waste Description:		LIGHT FUELS		
+				
Waste Code:		242		
Waste Description:		HALOGENATED PESTICIDES		
+				
Waste Code:		263		
Waste Description:		ORGANIC LABORATORY CHEMICALS		
+				
Waste Code:		269		
Waste Description:		NON-HALOGENATED PESTICIDES		
+				
Waste Code:		312		
Waste Description:		PATHOLOGICAL WASTES		
+				
Waste Code:		331		
Waste Description:		WASTE COMPRESSED GASES		
+				
Waste Code:		211		
Waste Description:		AROMATIC SOLVENTS		
+				
Waste Code:		252		
Waste Description:		WASTE OILS & LUBRICANTS		

---

**18**      **5 of 11**      **265.0**      **THE CORPORATION OF THE TOWN OF NEWMARKET**      [GEN](#)  
**100 EAGLE STREET WEST**  
**NEWMARKET ON L3Y 6B1**

SIC Code:  
SIC Description:  
Generator #: ON0903900  
Approval Yrs: As of Apr 2012

--- Details ---

Waste Code: 133  
Waste Description: Brine, chlor-alkali sludges  
+  
Waste Code: 211  
Waste Description: Aromatic solvents and residues  
+  
Waste Code: 252  
Waste Description: Waste crankcase oils and lubricants

---

**18**      **6 of 11**      **265.0**      **THE CORPORATION OF THE TOWN OF NEWMARKET**      [GEN](#)  
**100 EAGLE STREET WEST**  
**NEWMARKET ON**

SIC Code: 711319  
SIC Description: Sports Stadiums and Other Presenters with Facilities  
Generator #: ON0903900  
Approval Yrs: 2011

<b>Map Key</b>	<b>Number of Records</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
<i>--- Details ---</i>				
		133		
		Waste Description:	BRINES, CHLOR-ALKALI WASTES	
		+		
		252		
		Waste Description:	WASTE OILS & LUBRICANTS	
		+		
		211		
		Waste Description:	AROMATIC SOLVENTS	

---

<b>18</b>	<b>7 of 11</b>	<b>265.0</b>	<b>THE CORPORATION OF THE TOWN OF NEWMARKET 100 EAGLE STREET WEST NEWMARKET ON</b>	<b><u>GEN</u></b>
-----------	----------------	--------------	--	-------------------

SIC Code: 711319  
SIC Description: Sports Stadiums and Other Presenters with Facilities  
Generator #: ON0903900  
Approval Yrs: 2009

*--- Details ---*

		133		
		Waste Description:	BRINES, CHLOR-ALKALI WASTES	
		+		
		211		
		Waste Description:	AROMATIC SOLVENTS	
		+		
		252		
		Waste Description:	WASTE OILS & LUBRICANTS	

---

<b>18</b>	<b>8 of 11</b>	<b>265.0</b>	<b>NEWMARKET, TOWN OF NEWMARKET RECREATION COMPLEX 100 EAGLE STREET WEST NEWMARKET ON</b>	<b><u>GEN</u></b>
-----------	----------------	--------------	---	-------------------

SIC Code: 8364  
SIC Description: REC./CULTURE ADMIN.  
Generator #: ON0903900  
Approval Yrs: 99,00,01

*--- Details ---*

		145		
		Waste Description:	PAINT/PIGMENT/COATING RESIDUES	
		+		
		148		
		Waste Description:	INORGANIC LABORATORY CHEMICALS	
		+		
		213		
		Waste Description:	PETROLEUM DISTILLATES	
		+		
		221		
		Waste Description:	LIGHT FUELS	
		+		
		242		
		Waste Description:	HALOGENATED PESTICIDES	
		+		
		252		
		Waste Description:	WASTE OILS & LUBRICANTS	
		+		
		263		
		Waste Description:	ORGANIC LABORATORY CHEMICALS	
		+		



<b>Map Key</b>	<b>Number of Records</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
Waste Code: Waste Description: + Waste Code: Waste Description: + Waste Code: Waste Description:		269 NON-HALOGENATED PESTICIDES  312 PATHOLOGICAL WASTES  331 WASTE COMPRESSED GASES		
<b>18</b>	<b>9 of 11</b>	<b>265.0</b>	<b>NEWMARKET, TOWN OF 100 EAGLE STREET WEST NEWMARKET RECREATION COMPLEX NEWMARKET ON</b>	<a href="#"><b>GEN</b></a>
SIC Code: SIC Description: Generator #: Approval Yrs:		8364 REC./CULTURE ADMIN. ON0903900 92,93,97,98		
--- Details ---				
Waste Code: Waste Description: + Waste Code: Waste Description: + Waste Code: Waste Description: + Waste Code: Waste Description: + Waste Code: Waste Description: + Waste Code: Waste Description: + Waste Code: Waste Description: + Waste Code: Waste Description:		145 PAINT/PIGMENT/COATING RESIDUES  148 INORGANIC LABORATORY CHEMICALS  213 PETROLEUM DISTILLATES  221 LIGHT FUELS  242 HALOGENATED PESTICIDES  252 WASTE OILS & LUBRICANTS  263 ORGANIC LABORATORY CHEMICALS  269 NON-HALOGENATED PESTICIDES  312 PATHOLOGICAL WASTES  331 WASTE COMPRESSED GASES		
<b>18</b>	<b>10 of 11</b>	<b>265.0</b>	<b>YORK, REGIONAL MUNICIPALITY OF 43-522 NEWMARKET RECREATION COMPLEX 100 EAGLE ST. W. BOX 296 NEWMARKET ON L3Y 4X1</b>	<a href="#"><b>GEN</b></a>
SIC Code: SIC Description: Generator #: Approval Yrs:		4999 OTHER UTILITY IND. ON0722311 94		
--- Details ---				

<b>Map Key</b>	<b>Number of Records</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
Waste Code:		145		
Waste Description:		PAINT/PIGMENT/COATING RESIDUES		
+				
Waste Code:		148		
Waste Description:		INORGANIC LABORATORY CHEMICALS		
+				
Waste Code:		212		
Waste Description:		ALIPHATIC SOLVENTS		
+				
Waste Code:		213		
Waste Description:		PETROLEUM DISTILLATES		
+				
Waste Code:		221		
Waste Description:		LIGHT FUELS		
+				
Waste Code:		242		
Waste Description:		HALOGENATED PESTICIDES		
+				
Waste Code:		252		
Waste Description:		WASTE OILS & LUBRICANTS		
+				
Waste Code:		263		
Waste Description:		ORGANIC LABORATORY CHEMICALS		
+				
Waste Code:		269		
Waste Description:		NON-HALOGENATED PESTICIDES		
+				
Waste Code:		312		
Waste Description:		PATHOLOGICAL WASTES		
+				
Waste Code:		331		
Waste Description:		WASTE COMPRESSED GASES		

**18**      **11 of 11**      **265.0**      **The Corporation of the Town of Newmarket; Toromont Industries Ltd.**      **[SPL](#)**  
**100 Eagle Street West R.J. TWINNEY RECREATION COMPLEX**  
**Newmarket ON**

Ref No.: 7530-6REN34  
Incident Dt: 7/5/2006  
MOE Reported Dt: 7/5/2006  
Contaminant Name: AMMONIA SOLUTION (LT 10%)  
Contaminant Quantity: 3338 L  
Incident Summary: Spill - white paint & ammonia into creek - Newmarket  
Incident Cause: Discharge Or Bypass To A Watercourse  
Incident Reason: Negligence (Apparent) - Caused by lack of diligence  
Nature of Impact: Surface Water Pollution  
Receiving Medium: Water  
Environmental Impact: Confirmed

**19**      **1 of 1**      **265.0**      **UNKNOWN**      **[SPL](#)**  
**RAY TWINNEY SPORTS COMPLEX, 100 EAGLE ST. WEST**  
**NEWMARKET TOWN ON**

Ref No.: 170404  
Incident Dt: 7/19/1999  
MOE Reported Dt: 7/19/1999  
Contaminant Name:  
Contaminant Quantity:

<b>Map Key</b>	<b>Number of Records</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
<i>Incident Summary:</i>		UNKNOWN- DIESEL FUEL TO C/B AND SWALE. RESIDUAL AMOUNTS TO WESTERN CREEK.		
<i>Incident Cause:</i>		UNKNOWN		
<i>Incident Reason:</i>		UNKNOWN		
<i>Nature of Impact:</i>		Water course or lake		
<i>Receiving Medium:</i>		WATER		
<i>Environmental Impact:</i>		CONFIRMED		
<b>20</b>	<b>1 of 1</b>	<b>278.6</b>	<b>GO TRANSIT 320 EAGLE ST WEST, GO TRANSIT BUS MOTOR VEHICLE (OPERATING FLUID) NEWMARKET TOWN ON L3Y 7M9</b>	<b><a href="#">SPL</a></b>
<i>Ref No.:</i>		141940		
<i>Incident Dt:</i>		6/12/1997		
<i>MOE Reported Dt:</i>		6/12/1997		
<i>Contaminant Name:</i>				
<i>Contaminant Quantity:</i>				
<i>Incident Summary:</i>		GO TRANSIT-10 L TRANSMISSION FLUID FROM BUS ONTOGR'ND & ST, WILL CLEAN.		
<i>Incident Cause:</i>		OTHER CONTAINER LEAK		
<i>Incident Reason:</i>		UNKNOWN		
<i>Nature of Impact:</i>				
<i>Receiving Medium:</i>		LAND		
<i>Environmental Impact:</i>		NOT ANTICIPATED		
<b>21</b>	<b>1 of 5</b>	<b>279.0</b>	<b>KLEIN-TOR EQUINE INC. O/A NEWMARKET ANIMAL HOSPITA 340 EAGLE STREET W UNIT #5 NEWMARKET ON L3Y 7M9</b>	<b><a href="#">GEN</a></b>
<i>SIC Code:</i>				
<i>SIC Description:</i>				
<i>Generator #:</i>		ON2921557		
<i>Approval Yrs:</i>		As of Apr 2012		
<i>--- Details ---</i>				
<i>Waste Code:</i>		312		
<i>Waste Description:</i>		Pathological wastes		
<b>21</b>	<b>2 of 5</b>	<b>279.0</b>	<b>KLEIN-TOR EQUINE INC. O/A NEWMARKET ANIMAL HOSPITA 340 EAGLE STREET W UNIT #5 NEWMARKET ON</b>	<b><a href="#">GEN</a></b>
<i>SIC Code:</i>		541940		
<i>SIC Description:</i>		Veterinary Services		
<i>Generator #:</i>		ON2921557		
<i>Approval Yrs:</i>		2011		
<i>--- Details ---</i>				
<i>Waste Code:</i>		264		
<i>Waste Description:</i>		PHOTOPROCESSING WASTES		
+				
<i>Waste Code:</i>		312		
<i>Waste Description:</i>		PATHOLOGICAL WASTES		
+				
<i>Waste Code:</i>		261		
<i>Waste Description:</i>		PHARMACEUTICALS		

<b>Map Key</b>	<b>Number of Records</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
<b>21</b>	<b>3 of 5</b>	<b>279.0</b>	<b>KLEIN-TOR EQUINE INC. O/A NEWMARKET ANIMAL HOSPITA 340 EAGLE STREET W UNIT #5 NEWMARKET ON</b>	<a href="#"><u>GEN</u></a>
SIC Code:		541940		
SIC Description:		Veterinary Services		
Generator #:		ON2921557		
Approval Yrs:		2010		
--- Details ---				
Waste Code:		312		
Waste Description:		PATHOLOGICAL WASTES		
+				
Waste Code:		264		
Waste Description:		PHOTOPROCESSING WASTES		
+				
Waste Code:		261		
Waste Description:		PHARMACEUTICALS		
<b>21</b>	<b>4 of 5</b>	<b>279.0</b>	<b>KLEIN-TOR EQUINE INC. O/A NEWMARKET ANIMAL HOSPITA 340 EAGLE STREET W UNIT #5 NEWMARKET ON</b>	<a href="#"><u>GEN</u></a>
SIC Code:		541940		
SIC Description:		Veterinary Services		
Generator #:		ON2921557		
Approval Yrs:		2009		
--- Details ---				
Waste Code:		261		
Waste Description:		PHARMACEUTICALS		
+				
Waste Code:		264		
Waste Description:		PHOTOPROCESSING WASTES		
+				
Waste Code:		312		
Waste Description:		PATHOLOGICAL WASTES		
<b>21</b>	<b>5 of 5</b>	<b>279.0</b>	<b>KLEIN-TOR EQUINE INC. O/A NEWMARKET ANIMAL HOSPITA 340 EAGLE STREET W UNIT #5 NEWMARKET ON L3Y 7M9</b>	<a href="#"><u>GEN</u></a>
SIC Code:		541940		
SIC Description:		Veterinary Services		
Generator #:		ON2921557		
Approval Yrs:		07,08		
--- Details ---				
Waste Code:		261		
Waste Description:		PHARMACEUTICALS		
+				
Waste Code:		264		
Waste Description:		PHOTOPROCESSING WASTES		
+				
Waste Code:		312		
Waste Description:		PATHOLOGICAL WASTES		

## *Unplottable Summary*

<b>DB</b>	<b>Company Name/Site Name</b>	<b>Address</b>	<b>City</b>	<b>Zip</b>
<a href="#">CA</a>	NEWMARKET TOWN	GLENWAY ESTATE COUNTRY CLUB	NEWMARKET TOWN ON	
<a href="#">CA</a>	GLENWAY BUILDERS LTD. GLENWAY SUBD. WEST	ALEX DONER DR.	NEWMARKET TOWN ON	
<a href="#">CA</a>	TOWN	EAGLE ST.	NEWMARKET ON	
<a href="#">CA</a>	GLENWAY BUILDERS LTD.	PEEVERS CR.	NEWMARKET ON	
<a href="#">CA</a>	TEBRIK HOLDINGS LIMITED	KIRBY CRESCENT	NEWMARKET TOWN ON	
<a href="#">CA</a>		Lot 94-99, Concession 1	Newmarket ON	
<a href="#">CA</a>		Parts of Lot 94, 95, 96, 97, 98, 99, Concession 1	Newmarket ON	
<a href="#">CA</a>	GLENWAY BUILDERS LTD.	PEEVERS CR.	NEWMARKET ON	
<a href="#">CA</a>	GLENWAY BUILDERS LTD.	BOOSTER P.S. GLENWAY WEST	NEWMARKET TOWN ON	
<a href="#">CA</a>	GLENWAY BUILDERS LTD. GLENWAY SUBD. W.	ALEX DONER DR.	NEWMARKET TOWN ON	
<a href="#">CA</a>	MR. J. BROUWER PARK AVE. ESTATES	CHILCOTT PLACE	NEWMARKET TOWN ON	
<a href="#">ECA</a>	The Regional Municipality of York	Lot 95-96, Concession 1 W.Y.S.	Newmarket ON	
<a href="#">GEN</a>	Regional Municipality of York	335 Kirby Cresent	Newmarket ON	
<a href="#">SPL</a>	NEWMARKET PARKS AND RECREATION	CREEK BEHINF PEEEVERS CRESCENT	NEWMARKET TOWN ON	
<a href="#">SPL</a>	PRIVATE RESIDENCE	EAGLE STREET	NEWMARKET ON	
<a href="#">WWIS</a>			NEW MARKET ON	
<a href="#">WWIS</a>			NEW MARKET ON	

# Unplottable Report

---

**Site:** **NEWMARKET TOWN**  
**GLENWAY ESTATE COUNTRY CLUB NEWMARKET TOWN ON**

**Database:**  
[CA](#)

Certificate #: 8-3170-88-  
Application Year: 88  
Issue Date: 10/20/1989  
Approval Type: Industrial air  
Status: Cancelled  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description: STANDBY DIESEL GENERATOR  
Contaminants:  
Emission Control:

---

**Site:** **GLENWAY BUILDERS LTD. GLENWAY SUBD. WEST**  
**ALEX DONER DR. NEWMARKET TOWN ON**

**Database:**  
[CA](#)

Certificate #: 7-0076-86-  
Application Year: 86  
Issue Date: 7/2/1986  
Approval Type: Municipal water  
Status: Revised  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** **TOWN**  
**EAGLE ST. NEWMARKET ON**

**Database:**  
[CA](#)

Certificate #: 3-0126-85-006  
Application Year: 85  
Issue Date: 3/29/85  
Approval Type: Municipal sewage  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** **GLENWAY BUILDERS LTD.**  
**PEEVERS CR. NEWMARKET ON**

**Database:**  
[CA](#)

Certificate #: 7-0239-85-006  
Application Year: 85  
Issue Date: 4/30/85  
Approval Type: Municipal water  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** **TEBRIK HOLDINGS LIMITED**  
**KIRBY CRESCENT NEWMARKET TOWN ON**

**Database:**  
[CA](#)

Certificate #: 7-1087-92-  
Application Year: 92  
Issue Date: 10/20/1992  
Approval Type: Municipal water  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** **Lot 94-99, Concession 1 Newmarket ON**

**Database:**  
[CA](#)

Certificate #: 8620-4Q6Q43  
Application Year: 00  
Issue Date: 10/20/00  
Approval Type: Municipal & Private water  
Status: Approved  
Application Type: New Certificate of Approval  
Client Name: 784773 Ontario Ltd.  
Client Address: 1700 Langstaff Road, Suite 2003  
Client City: Concord  
Client Postal Code: L4K 3S3  
Project Description: watermains to be constructed on Streets A, A-D, A-B, Easement through Future Park, Easement through Ontario Hydro Corridor, Davis Drive right-of way, Alex Doner Drive right-of-way, Easement through Glenway Golf Course  
Contaminants:  
Emission Control:

---

**Site:** **Parts of Lot 94, 95, 96, 97, 98, 99, Concession 1 Newmarket ON**

**Database:**  
[CA](#)

Certificate #: 0438-4HUMM4  
Application Year: 00



Issue Date: 3/31/00  
Approval Type: Municipal & Private water  
Status: Approved  
Application Type: New Certificate of Approval  
Client Name: 784773 Ontario Ltd.  
Client Address: 1700 Langstaff Road, Suite 2003  
Client City: Concord  
Client Postal Code: L4K 3S3  
Project Description: Watermains and appurtenances to be constructed to serve the Woodland Hill Subdivision.  
Contaminants:  
Emission Control:

---

**Site:** **GLENWAY BUILDERS LTD.**  
**PEEVERS CR. NEWMARKET ON**

**Database:**  
[CA](#)

Certificate #: 3-0342-85-006  
Application Year: 85  
Issue Date: 4/30/85  
Approval Type: Municipal sewage  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** **GLENWAY BUILDERS LTD.**  
**BOOSTER P.S. GLENWAY WEST NEWMARKET TOWN ON**

**Database:**  
[CA](#)

Certificate #: 7-1288-88-  
Application Year: 88  
Issue Date: 10/14/1988  
Approval Type: Municipal water  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** **GLENWAY BUILDERS LTD. GLENWAY SUBD. W.**  
**ALEX DONER DR. NEWMARKET TOWN ON**

**Database:**  
[CA](#)

Certificate #: 3-0111-86-  
Application Year: 86  
Issue Date: 7/2/1986  
Approval Type: Municipal sewage  
Status: Revised  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:

Project Description:  
Contaminants:  
Emission Control:

---

**Site:** MR. J. BROUWER PARK AVE. ESTATES  
CHILCOTT PLACE NEWMARKET TOWN ON

**Database:**  
[CA](#)

Certificate #: 3-0647-88-  
Application Year: 88  
Issue Date: 9/14/1988  
Approval Type: Municipal sewage  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** The Regional Municipality of York  
Lot 95-96, Concession 1 W.Y.S. Newmarket ON

**Database:**  
[ECA](#)

CofA Number: 3935-94NQA5  
Date: 2/8/2013  
Status: Approved  
Project Type: Municipal and Private Sewage

---

**Site:** Regional Municipality of York  
335 Kirby Crescent Newmarket ON

**Database:**  
[GEN](#)

SIC Code: 913910  
SIC Description: Other Local Municipal and Regional Public Administ  
Generator #: ON3306812  
Approval Yrs: 06

--- Details ---

Waste Code: 146  
Waste Description: OTHER SPECIFIED INORGANICS

---

**Site:** NEWMARKET PARKS AND RECREATION  
CREEK BEHINF PEEVERS CRESCENT NEWMARKET TOWN ON

**Database:**  
[SPL](#)

Ref No.: 198977  
Incident Dt: 4/23/2001  
MOE Reported Dt: 4/23/2001  
Contaminant Name:  
Contaminant Quantity:  
Incident Summary: NEWMARKET REC. CENTRE MELTED ICE TO STORM  
Incident Cause: START-UPS/SHUTDOWNS/INTERRUPTIONS  
Incident Reason: INTENTIONAL/PLANNED  
Nature of Impact: Water course or lake  
Receiving Medium: Water  
Environmental Impact: Possible

**Site:** PRIVATE RESIDENCE  
EAGLE STREET NEWMARKET ON

**Database:**  
[SPL](#)

Ref No.: 191139  
Incident Dt: 11/21/2000  
MOE Reported Dt: 11/27/2000  
Contaminant Name:  
Contaminant Quantity:  
Incident Summary: PRIVATE RESIDENCE:364 L OF FURNACE OIL TO BASEMENT, CLEANING UP  
Incident Cause: VALVE/FITTING LEAK OR FAILURE  
Incident Reason: UNKNOWN  
Nature of Impact: Soil contamination  
Receiving Medium: LAND  
Environmental Impact: CONFIRMED

**Site:**  
NEW MARKET ON

**Database:**  
[WWIS](#)

Well Id:	6927713	Lot:	013
Concession:	01	Concession	YS E
County:	YORK	Name:	
Easting Nad83:		Municipality:	NEWMARKET TOWN (WHITCHURCH)
Zone:	17	Northing	
Primary Water Use:	Not Used	Nad83:	
Sec. Water Use:		Utm Reliability:	unknown UTM
Pump Rate:		Construction	17-JUL-03
Flow Rate:		Date:	
Specific Capacity:		Well Depth:	
Construction Method:	Not Known	Static Water	
Elevation (m):		Level:	
Depth to Bedrock:		Clear/Cloudy:	
Water Type:		Final Well	Abandoned-Other
		Status:	
		Flowing (y/n):	
		Elevation	
		Reliability:	
		Overburden/Bedrock:	No formation data
		Casing	
		Material:	

**Site:**  
NEW MARKET ON

**Database:**  
[WWIS](#)

Well Id:	6927704	Lot:	003
Concession:	01	Concession	YS E
County:	YORK	Name:	
Easting Nad83:		Municipality:	NEWMARKET TOWN (WHITCHURCH)
Zone:	17	Northing	
Primary Water Use:	Not Used	Nad83:	
Sec. Water Use:		Utm Reliability:	unknown UTM
Pump Rate:		Construction	17-JUL-03
Flow Rate:		Date:	
Specific Capacity:		Well Depth:	
Construction Method:	Not Known	Static Water	
Elevation (m):		Level:	
		Clear/Cloudy:	
		Final Well	Abandoned-Other
		Status:	
		Flowing (y/n):	
		Elevation	

Depth to Bedrock:

Water Type:

Reliability:

Overburden/Bedrock: No formation data

Casing

Material:

## Appendix: 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 description for more information.

**Abandoned Aggregate Inventory:** Sept 2002\* Provincial [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 Aug 2012 Provincial [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 database provides information regarding the registered owner/operator, location, status, licence type, and maximum tonnage.

**Abandoned Mine Information System:** 1800-Feb 2013 Provincial [AMIS](#)  
The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

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

**Automobile Wrecking & Supplies:** 2001-Jun 2010 Private [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.

**Borehole:** 1875-Aug 2011 Provincial [BORE](#)  
A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

**Certificates of Approval:** 1985-Oct 30, 2011\* Provincial [CA](#)  
This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

**Commercial Fuel Oil Tanks:** 1948-Apr 2013 Provincial [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.

**Chemical Register:** 1992, 1999-Jun 2010 Private [CHEM](#)  
This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

**Inventory of Coal Gasification Plants and Coal Tar Sites:** Apr 1987 and Nov 1988\* Provincial [COAL](#)  
This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.\*

**Compliance and Convictions:** 1989-Jun 2013 Provincial [CONV](#)  
This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

**Certificates of Property Use:** 1994-Jul 2013 Provincial [CPU](#)  
This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

**Drill Hole Database:** 1886-Jun 2013 Provincial [DRL](#)  
The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

**Environmental Activity and Sector Registry:** Oct 31, 2011-Jul 2013 Provincial [EASR](#)  
On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

**Environmental Registry:** 1994-Jul 2013 Provincial [EBR](#)  
The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

**Environmental Compliance Approval:** Oct 31, 2011-Jul 2013 Provincial [ECA](#)  
On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For CofA's prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

**Environmental Effects Monitoring:** 1992-2007\* Federal [EEM](#)  
The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

**ERIS Historical Searches:** 1999-Mar 2013 Private [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.

**Environmental Issues Inventory System:** 1992-2001\* Federal [EIS](#)  
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 EIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

**List of TSSA Expired Facilities:** Current to Feb 2012 Provincial [EXP](#)  
This is a list of all expired facilities that fall under the TSSA (TSSA Act & Safety Regulations), including the six regulations that exist under the Fuels Safety Division. It will include facilities such as private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. These tanks have been removed and automatically fall under the expired facilities inventory held by TSSA.

**Federal Convictions:** 1988-Jun 2007\* Federal [FCON](#)  
Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.



**Contaminated Sites on Federal Land:**

June 2000-Jan 2013

Federal

[FCS](#)

The Federal Contaminated Sites Inventory includes information on all known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government.

**Fisheries & Oceans Fuel Tanks:**

1964-Sept 2003

Federal

[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.

**Fuel Storage Tank:**

Current to Jun 2011

Provincial

[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-Apr 2012

Provincial

[GEN](#)

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

**TSSA Historic Incidents:**

2006-June 2009

Provincial

[HINC](#)

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

**Indian & Northern Affairs Fuel Tanks:**

1950-Aug 2003\*

Federal

[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.



**TSSA Incidents:**

June 2009-Apr 2013

Provincial

[INC](#)

TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

**Landfill Inventory Management Ontario:**

2012

Provincial

[LIMO](#)

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills will include information such as site owner, site location and certificate of approval # and status.

**Canadian Mine Locations:**

1998-2009

Private

[MINE](#)

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

**Mineral Occurrences:**

1846-Apr 2013

Provincial

[MNR](#)

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

**National Analysis of Trends in Emergencies System**

1974-1994\*

Federal

[NATE](#)**(NATES):**

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.

**Non-Compliance Reports:**

1992(water only), 1994-2010

Provincial

[NCPL](#)

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

**National Defence & Canadian Forces Fuel Tanks:** Up to May 2001\* Federal [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-Aug 2010 Federal [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-Apr 2007\* Federal [NDWD](#)  
The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

**National Environmental Emergencies System (NEES):** 1974-2003\* Federal [NEES](#)  
In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for 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:** 1988-2008\* Federal [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:** 1993-2011 Federal [NPRI](#)  
Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

**Oil and Gas Wells:** 1988-Jun 2013 Private [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 Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at [www.nickles.com](http://www.nickles.com).

**Ontario Oil and Gas Wells:** 1800-Jul 2013 Provincial [OOGW](#)  
In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, well cap date, licence no., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

**Inventory of PCB Storage Sites:** 1987-Oct 2004 Provincial [OPCB](#)  
The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

**Orders:** 1994-Jul 2013 Provincial [ORD](#)  
This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

**Canadian Pulp and Paper:** 1999, 2002, 2004, 2005, Private [PAP](#)  
2009  
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.

**Parks Canada Fuel Storage Tanks:** 1920-Jan 2005\* Federal [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.

**Pesticide Register:** 1988-Jun 2013 Provincial [PES](#)  
The Ontario Ministry of Environment maintains a database of all manufacturers and vendors of registered pesticides.

**TSSA Pipeline Incidents:** June 2009-Mar 2012 Provincial [PINC](#)  
TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

**Private and Retail Fuel Storage Tanks:** 1989-1996\* Provincial [PRT](#)  
The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

**Permit to Take Water:** 1994-Jul 2013 Provincial [PTTW](#)  
This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

**Ontario Regulation 347 Waste Receivers Summary:** 1986-2011 Provincial [REC](#)  
Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

**Record of Site Condition:** 1997-Sept 2001, Oct 2004- Jun 2013 Provincial [RSC](#)  
The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up. RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

**Retail Fuel Storage Tanks:** 1999-Jun 2010 Private [RST](#)  
This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

**Scott's Manufacturing Directory:** 1992-Mar 2011 Private [SCT](#)  
Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

**Ontario Spills:** 1988-Aug 2012 Provincial [SPL](#)  
This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

**Wastewater Discharger Registration Database:** 1990-2011 Provincial [SRDS](#)  
Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

**Anderson's Storage Tanks:** 1915-1953\* Private [TANK](#)  
The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

**Transport Canada Fuel Storage Tanks:** 1970-Mar 2007 Federal [TCFT](#)  
With the provinces of BC, MB, NB, NF, ON, PE, and QC; Transport Canada currently owns and operates 90 fuel storage tanks. Our inventory provides information on the site name, location, tank age, capacity and fuel type.

**TSSA Variances for Abandonment of Underground**

Current to Jun 2013

Provincial

[VAR](#)

**Storage Tanks:**

The TSSA, Under the Liquid Fuels Handling Code and the Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, you may apply to seek a variance from this code requirement. This is a list of all variances granted for abandoned tanks.

**Waste Disposal Sites - MOE CA Inventory:**

1970-Jul 2013

Provincial

[WDS](#)

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

**Waste Disposal Sites - MOE 1991 Historical Approval Inventory:**

Up to Oct 1990\*

Provincial

[WDSH](#)

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

**Water Well Information System:**

1955-May 2013

Provincial

[WWIS](#)

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

# Definitions

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

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

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

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

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

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

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

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

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

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

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

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

## Field Investigation Notes (November 2013)



*Update*  
**Phase 1 Environmental Assessment – Field Notes**

Date: Nov 15/13 Field Personnel: AO Time: 10am

Current Land Use: vacant - former golf course Vacant?: ( Yes  No) Structures On-Site?: ( Yes  No)  
*-small starter gate still in place*

**EXTERIOR ITEMS CHECKED**

- Storage tanks or Containers ( Yes  No  N/A) \_\_\_\_\_
- Monitoring Wells ( Yes  No  N/A) 2 by clubhouse 2 east of clubhouse (by SWM)
- Odours ( Yes  No  N/A) \_\_\_\_\_
- Catchbasins ( Yes  No  N/A) none observed
- Surface stains/ Stressed Vegetation ( Yes  No  N/A) \_\_\_\_\_
- Abandoned or Existing Wells ( Yes  No  N/A) \_\_\_\_\_
- Pits, Lagoons, Ditches, Standing Water ( Yes  No  N/A) SWM ponds still in place
- Hazardous or Unidentified Substances ( Yes  No  N/A) \_\_\_\_\_
- Roads & Parking Facilities ( Yes  No  N/A) north side of former clubhouse

**INTERIOR ITEMS CHECKED ( N/A)**

- Storage Tank or Containers ( Yes  No  N/A) \_\_\_\_\_
- Possible Lead-based paint (peeling) ( Yes  No  N/A) \_\_\_\_\_
- Possible Asbestos Containing Materials ( Yes  No  N/A) \_\_\_\_\_
- Possible PCBs (ballasts, transformers) ( Yes  No  N/A) \_\_\_\_\_
- Possible UFFI ( Yes  No  N/A) \_\_\_\_\_
- Sumps ( Yes  No  N/A) \_\_\_\_\_
- Odours ( Yes  No  N/A) \_\_\_\_\_
- Floor Staining ( Yes  No  N/A) \_\_\_\_\_
- Hazardous or Unidentified Substances ( Yes  No  N/A) \_\_\_\_\_
- Floor Drains ( Yes  No  N/A) \_\_\_\_\_
- Building Heating System \_\_\_\_\_
- Potable Water Supply ( Municipal  Other) \_\_\_\_\_
- Sewage and Wastewater Disposal ( Municipal  Other) \_\_\_\_\_

**SAMPLES TAKEN: N/A**

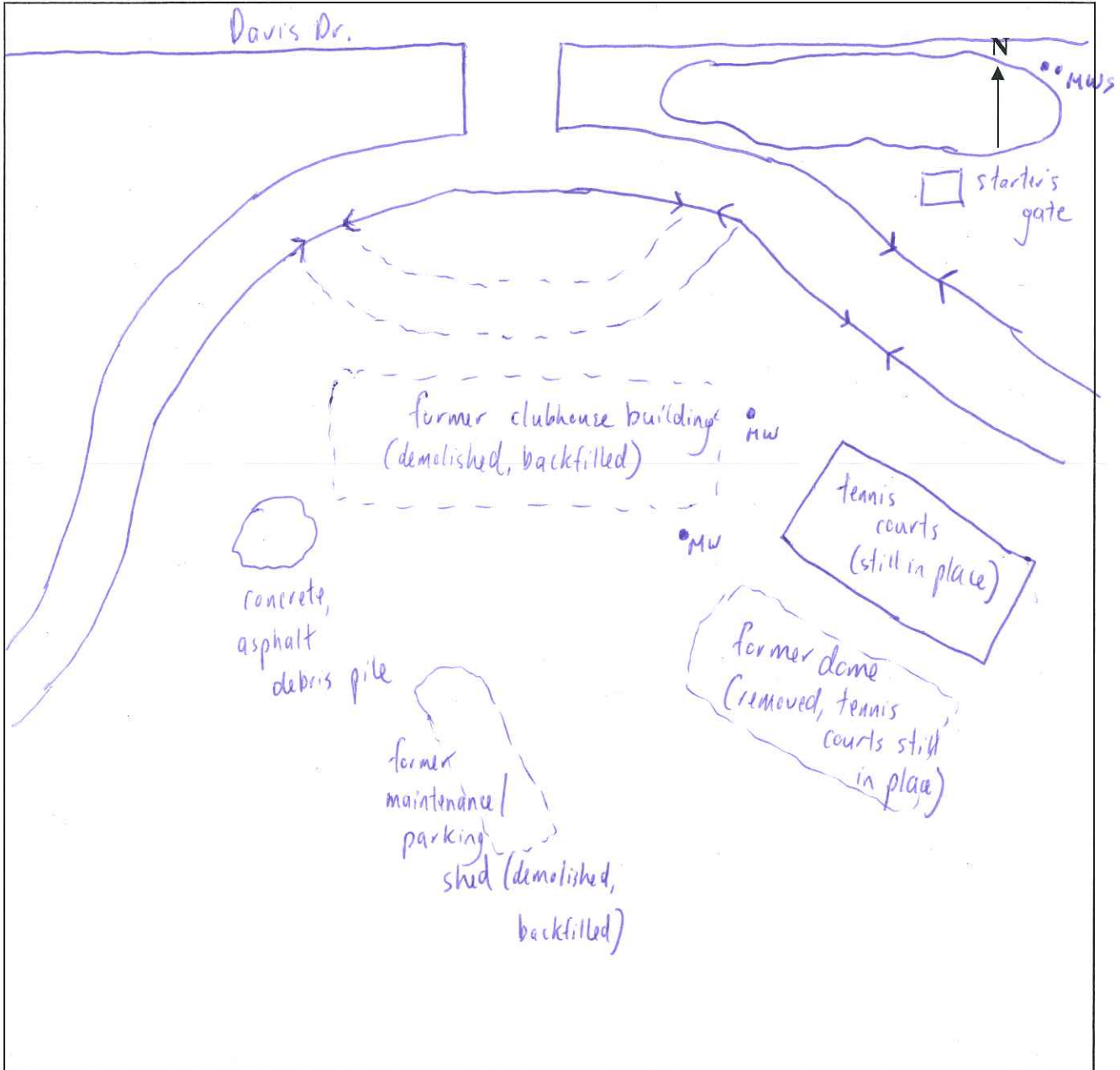
- Soil  Water  Roof  Asbestos  Paint  Other \_\_\_\_\_

Notes: no samples collected

# Phase 1 Environmental Assessment – Field Notes

## SITE SKETCH:

Sketch includes property lines, buildings, structures, sample locations, tank locations, areas of interest, and adjacent lands.



Topography: rolling (former golf course)

Vegetation: manicured lawns that have overgrown, mature trees

Other Noteable Features: SWM ponds still in place

Description of Photo: \_\_\_\_\_ Disk No. : \_\_\_\_\_ Photo No. \_\_\_\_\_

## Phase 1 Environmental Assessment – Field Notes

### ADDITIONAL NOTES:

- northern portion of the site (former clubhouse area)

- clubhouse and associated building structures removed
- areas backfilled and grass has begun to grow

- tennis courts remain in place

- all pathways and parking areas still in place

- small starter's gate (to east of former clubhouse) still in place

- MWs from hydrogeology study still in place

- golf course areas have remained untouched, overgrown

- storage/maintenance area (south of site, not on-site)

- diesel tank still in place

- all structures still in place

- miscellaneous debris (wood pallets, bags, TVs, concrete, bricks, etc.)

- some debris appears to have come from former clubhouse area

- no other changes