Terraprobe

Consulting Geotechnical & Environmental Engineering
Construction Materials Inspection & Testing

CONTAMINANTION OVERVIEW STUDY
TESTON ROAD, FROM 250 M WEST OF PINE VALLEY DRIVE
TO KLIEINBURG SUMMIT WAY
VAUGHAN, ONTARIO

PREPARED FOR: HDR Corporation
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File No 1-20-0160-49
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TABLE OF CONTENTS

FIGURES

APPENDICES

1.0 EXECUTIVE SUMMARY

HDR Corporation (HDR) retained Terraprobe Inc. (Terraprobe), to complete a Contamination Overview Study (COS) of the Teston Road municipal roadway corridor extending a distance of 2.1 km, from 250 m west of Pine Valley Drive to the Teston Road and Kleinburg Summit Way intersection, in the City of Vaughan, Ontario (the "Site").

The Site is rectangular shape with a length of approximately 2.1 km and a width ranging from 10 m to 15 m. The Site is developed as a municipal roadway and is considered to be in Community Land Use by the Ontario Ministry of the Environment, Conservation and Parks (MECP). The land use of the properties immediately adjacent to the Site includes residential, agricultural or other, and open space. Several portions of adjacent lands are undeveloped. The properties immediately adjacent to the Site are zoned as agricultural, open space and residential by the City of Vaughan Zoning By-Law Number 1-88 dated December 03, 2018 and reviewed on November 24, 2020. Portions of the Site are considered regulated areas as per the Toronto and Region Conservation Authority (TRCA). The proposed development of the Site includes road and boulevard improvements.

The COS identified the following potentially contaminating activities (PCAs) within the Study Area:

- #40 – Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents), Manufacturing, Processing, Bulk Storage and Large-Scale Applications; and
- #55 – Transformer Manufacturing, Processing and Use.

As the northwest portion of the Site is within 30 m of regulated wetlands, this portion of the Site is considered sensitive under Ontario Regulation 153/04, as amended. Therefore, any future subsurface investigation in this area will be subject to Ontario Regulation 153/04, as amended, Table 1 Standards.

Environmental Site Assessments including soil and groundwater investigations are recommended to investigate the potential impacts within the Site caused by areas of potential environmental concern (APECs) identified as high risk, if any, especially within lands requiring expropriations for the road improvement project. For medium risk APECs, the soil and/or groundwater in the identified lands may be investigated during future earthworks at the Site. For low risk APECs, it is unlikely that the PCA has resulted in an impact to the lands at the Site.

At the time of this study, no high risk APECs have been identified at the Site or within the Study Area. One medium risk APEC, resulting from PCA #55 - Transformer Manufacturing, Processing and Use, was identified and is associated with a transformer located in the northeast quadrant of the intersection of Kleinburg Summit Way and Teston Road North. No low risk APECs were identified on-site.

During the site reconnaissance conducted as part of the COS, areas likely to have exceedances of salt related contaminants were identified. These areas included residential driveway entrances and along the Teston Road COS Site. No sampling was conducted as part of the COS however, during future earthworks for the road improvement project, soil management activities may warrant chemical analysis of soil conditions for salt related contaminants to support re-use on-Site and/or off-site disposal. However, no sampling is required as per Ontario Regulation 153/04, as amended.

2.0 INTRODUCTION

HDR Corporation (HDR) retained Terraprobe Inc. (Terraprobe), to complete a Contamination Overview Study (COS) of the Teston Road municipal roadway corridor extending a distance of 2.1 km, from 250 m west of Pine Valley Drive to the Teston Road and Kleinburg Summit Way intersection, in the City of Vaughan, Ontario (the "Site").

The purpose of the COS is to support a Municipal Class Environmental Assessment (EA) for the City of Vaughan within the right-of-way between 250 m west of Pine Valley Drive and the Kleinburg Summit Way intersection. The proposed development of the Site includes road and boulevard improvements. The general location of the Site is presented on Figure 1 and the Site layout and notable features are presented in Figure 2. For reporting purposes, Teston Road is assumed to be oriented in an east – west direction.

2.1 Background

The Site is rectangular shape with a length of approximately 2.1 km and a width ranging from 10 m to 15 m. The Site is developed as a municipal roadway and is considered to be in Community Land Use by the Ontario Ministry of the Environment, Conservation and Parks (MECP). The land use of the properties immediately adjacent to the Site includes residential, agricultural or other, and open space. Several portions of adjacent land are undeveloped. The properties immediately adjacent to the Site are zoned as agricultural, open space and residential by the City of Vaughan Zoning By-Law Number 1-88 dated December 03, 2018 and reviewed on November 24, 2020. Portions of the Site are considered regulated areas as per the Toronto and Region Conservation Authority (TRCA).

3.0 SCOPE OF INVESTIGATION

The COS involved the following principal tasks:

- A review and description of the topography, physiography, geology and hydrogeology of the Site and Study Area;
- A review of records and reports regarding historical and current land use and activities for the Site and Study Area;
- A site reconnaissance of the Site and the Study Area to identify indicators of potentially contaminating activities (PCAs) and corresponding Areas of Potential Environmental Concern (APECs); and
- An evaluation of the information obtained and documentation of the results of the review.

3.1 Records Review

The records review provides information on historical and current activities. The objectives of the records review are:

- To obtain and review records that relate to the current and past land use, site features and activities at the Site;
- To obtain and review records that relate to any identified PCAs, water bodies, and areas of natural significance in the Study Area and the Site; and
- Based on the above record reviews, provide an assessment of PCAs and concerns (if any) with respect to potential environmental impacts of the Site.

The following sources of information were reviewed:

- Select ownership and/or occupancy records, from Environmental Risk Information Services (ERIS);
- Archival information for the Site including aerial photographs, topographic maps, historical maps and drawings;
- Site specific environmental reports and/or operating records (e.g., Certificates of Approval (CA), waste generator registration, approvals, permits) provided to Terraprobe Inc.;
- Geological and hydrogeological information in published government maps reports and/or databases;
- Databases maintained by ERIS containing environmentally related information from private, provincial, and federal sources;
- Published Ontario MECP directories related to registered Polychlorinated Bi-Phenyls (PCB) storage sites as well as active and closed landfill sites;
- The Ontario Ministry of Natural Resources and Forestry (MNRF) Natural Heritage Information Centre database for information specific to natural areas, such as locations of environmentally sensitive areas;
- Published information regarding an Official Plan and zoning information for the area;
- Environmental sensitivity mapping by the local Conservation Authority; and
- Well head protection mapping by the local Conservation Authority, from ERIS.

3.2 Site Reconnaissance

The objectives of the site reconnaissance were:

- To identify PCAs on the Site, based on observations of current and past land use;
- To identify PCAs in the Study Area based on observations of current and past land use; and
- To identify potential pathways for contamination migration at the Site and Study Area.

The site reconnaissance included a review and evaluation of PCAs, taking into consideration the following:

- Activities and practices including site operations, processes and waste management currently carried out on the Site;
- Evidence of past waste disposal, landfill or fill placement on the Site;
- The presence of hazardous or toxic chemicals, materials or processes on the Site;
- The presence of existing or former aboveground and underground fuel storage tanks on the Site;
- Identification of heating and cooling systems on any buildings located on the Site;
- The presence of sumps and drains, wells, pits and lagoons on the Site;
- Identification of water supply source to the Site;
- The presence of various designated substances and building materials, including friable and non-friable asbestos, PCB-containing materials and electrical equipment, lead-based paint, mould, and chlorofluorocarbons (CFCs) in air-conditioning and refrigeration equipment on the Site; and
- Evidence of stained or odorous soils and stressed vegetation resulting from potential subsurface impacts on the Site.

In addition, an inspection of the Site, adjacent properties and the properties located within the Study Area was completed by inspecting from publicly accessible locations (roads, sidewalks, etc.).

3.3 Documentation and Evaluation of Information

The information obtained from the records review, interviews and site reconnaissance is described, documented, and evaluated as outlined below:

- Documentation of information, as noted in subsequent sections of the report;
- Description of past occupants and site uses; and
- Description and probable locations of PCAs.

4.0 RECORDS REVIEW

4.1 General

4.1.1 Study Area Determination

The Study Area consists of the area that extends up to approximately 240 m north and 140 m south beyond the Teston Road Site boundary as shown on Figures 1 and 2. The Study Area was identified by the City of Vaughan and based on our professional experience and understanding of the project, this scope is sufficient for a COS.

4.1.2 First Developed Use Determination

The determination of first developed land use is based on a review of aerial photographs and historic mapping however, no historical mapping records were found for the Site. The details and evaluation of the above noted information sources where available are provided in subsequent sections of this report.

Based on the evaluated information:

- The Study Area was developed for Agricultural and Residential use prior to 1954 based on the earliest aerial imagery;
- The Site was developed for Community use (roadway) prior to 1954 based on the earliest available aerial imagery; and
- The westernmost portion of the Site at the intersection of Kleinburg Summit Way and Teston Road, underwent community development (as a roadway) between 2016 and 2018.

4.1.3 Environmental Reports

No previous environmental reports were available to Terraprobe for review.

4.2 Environmental Source Information

4.2.1 ERIS

Environmental Risk Information Services Ltd. (ERIS) is an organization that maintains and searches various government and private databases for property-related environmental information. A search of the ERIS databases was requested for the Site and Study Area. The ERIS Report is provided in Appendix A.

Based on a review of the ERIS report, no PCAs were identified on the Site or within the Study Area.

4.2.2 Other Source Information

Other environmental source information was searched as part of the Study. The information that was searched includes:

- The City of Vaughan contact centre (Access Vaughan) to identify any on-site spills;
- The local Conservation Authority was contacted to determine if the Site was considered regulated under the Conservation Authorities Act and Ontario Regulations 42/06, 146/06 to 182/06 and 97/04; and
- Municipal Zoning and Official Plan information was reviewed.

The information requests and responses are provided in Appendix B and are summarized below.

Information Request	Response
Conservation Authority	A review of the Toronto and Region Conservation Authority (TRCA) mapping indicated that several portions of the Site are regulated areas. A permit from the TRCA may be required in order to conduct the proposed roadway improvement works at the Site.
Zoning	The City of Vaughan Zoning By-Law Number 1-88 was reviewed. The Site is defined as a roadway and the immediate adjacent properties to the east and west of the Site are zoned as a combination of Agricultural zone (A), Open Space zones (OS1, OS2), and Residential zones (RD1, RD2, RD3, RR, and RT1).
City of Vaughan Access Centre	A spill inquiry was sent to the City of Vaughan Access Centre on December 09, 2020 however, as of the date of this report, a response has not yet been received. Upon receipt of a response, the report will be updated to reflect the changes, if any, to the findings at the Site.

There were no PCAs identified through the above-mentioned information however, a response from the City of Vaughan regarding the potential of spills at the Site is pending. Once received, the report will be updated.

4.3 Physical Setting Sources

4.3.1 Aerial Photographs and Historic Mapping

Aerial photographs and satellite imagery were reviewed and the selections were based on available dates and scale in order to provide as much information as reasonably practical, regarding the development of the Site and Study Area from first developed land use to the present development. The state of development of the Site and Study Area is summarized in below:

Date	Source	Site	Study Area
1954	Aerial	Teston Road appears to be developed.	North: Kipling Avenue appears to be developed. North, South, East, West: Appears to be in agriculture use or lain fallow with sparse residential development.
1970	Aerial	No significant changes.	North, South, East, West: No significant changes.
1978	Aerial	No significant changes.	North, South, East, West: No significant changes.
1988	Aerial	No significant changes.	North, South, East, West: No significant changes. South: Residential properties appear to be developed, specifically within the southwest quadrant of the Study Area.
1995	Satellite	No significant changes.	North, South: Residential properties appear to be developed. East, West: No significant changes.
2002	Satellite	No significant changes.	North: Residential properties appear to be developed. South, East, West: No significant changes.
2012	Satellite	No significant changes.	North, South, East and West: No significant changes.
2017	Satellite	No significant changes.	North: Surficial development appears in the northwest quadrant. South: Surficial development appears in the southeast quadrant. East, West: No significant changes.
2020	Satellite	No significant changes.	North, South, East and West: No significant changes.

The following PCAs were identified from a review of aerial photographs:

Location of PCA	PCA	Activity
North portions of COS Study Area	#40 – Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents), Manufacturing, Processing, Bulk Storage and Large-Scale Applications	Based on the apparent agricultural land use, it is likely that pesticides were applied to the lands.

A selection of aerial photographs is presented in Appendix C.

4.3.2 Topography, Hydrology and Geology

A topographic map from the Ontario Ministry of Natural Resources and Forestry (MNRF), the geological mapping produced by the Ontario Ministry of Northern Development and Mines - Ontario Geological Survey and cross section data from Oak Ridges Moraine (ORM) Groundwater Program were reviewed. The information obtained from the mapping is summarized below. The maps and cross sections are provided in Appendix D.

Topography	The approximate elevation of the Site ranges from Elev. 204 metres above sea level (masl) to Elev. 231 masl and generally slopes from the east to west.
Hydrogeology	There are three waterways flowing through the Site. Each waterway is a branch of the East Humber River. The first waterway is located approximately 190 m east of the intersection of Kleinburg Summit Way and Teston Road, the second waterway is located approximately 710 m east of the intersection of Kleinburg Summit Way and Teston Road, and the third waterway is located approximately 1,150 m east of the intersection of Kleinburg Summit Way and Teston Road. The approximate depth to groundwater, based on public Well Records in the local area, the ORM database, is expected to be approximately 7 m to 21 m below ground surface. Groundwater and surface water are` expected to generally flow to the south towards the east branch of the Humber River.
Geology (overburden)	The Site is located within the South Slope region (Physiographic Region 32 with physiographic landforms referred to as till plains (drumlinzed). The overburden at the Site falls into the following categories: ▪ Till (5d) (clay to silt textured) – these surficial deposits are located across the majority of the Site; ▪ Modern alluvial deposits comprised mainly of clay, silt, sand and gravel – these surficial deposits follow the waterways identified at the central portion of the Site; ▪ Coarse-textured glaciolacustrine deposits (9c) comprised of sand, gravel, minor silt and clay – these surficial deposits are located in the west portion of the Site; and ▪ Fine-textured glaciolacustrine deposits (8b) comprised of silt and clay with minor sand and gravel – these surficial deposits are located in the eastern portion of the Site.
Geology (bedrock)	The bedrock at the Site is of the Georgian Bay Formation, which is comprised predominantly of grey shale with limestone interbeds.
Geology (depth to bedrock)	Based upon historic borehole information from the MNRF, Water Well Records in the vicinity of the Site from the MECP, the ERIS report, and the data collected by the ORM Groundwater Program the depth to bedrock is approximately 67 m to 127 m below ground surface across the Site. Depth to bedrock increases from west to east.

4.3.3 Fill Materials

Based upon the historic land use of the Site, it is unlikely that historical filling occurred across the Site.

4.3.4 Water Bodies, Wetlands and Areas of Natural Significance

Mapping from the MNRF was reviewed to determine if water bodies were present on the Site and within the Study Area. The MNRF National Heritage Information Centre database for listings of Areas of Natural or Scientific Interest (ANSIs) was also reviewed. The information is summarized below.

Water Bodies (Site)	▪ Three waterways flow through the Site. Each waterway is a branch of the East Humber River. The first waterway is located approximately 190 m east of the intersection of Kleinburg Summit Way and Teston Road, the second waterway is located approximately 710 m east of the intersection of Kleinburg Summit Way and Teston Road, and the third waterway is located approximately 1,150 m east of the intersection of Kleinburg Summit Way and Teston Road.
Water Bodies (Study Area)	▪ The three waterways crossing the Site flow southerly through the Study Area.
Wetland (Site)	Provincially Significant Wetlands ▪ No Provincially Significant wetlands are present on the Site. Non- Provincially Significant Wetlands ▪ No Non- Provincially Significant wetlands are present on the Site. Unevaluated Wetlands ▪ No unevaluated wetlands are present on the Site.
Wetland (Study Area)	Provincially Significant Wetlands ▪ Two areas identified as Provincially Significant Evaluated Wetlands are located in the Study Area; one in the northwest portion of the Study Area (between Kleinburg Summit Way and Kipling Avenue, and east of Kipling Avenue) and one in the northeast portion of the Study Area (north of 4720 Teston Road). These wetland areas are also within regulated areas identified by the Toronto and Region Conservation Authority. Non- Provincially Significant Wetlands ▪ No non- Provincially Significant wetlands are present in the Study Area. Unevaluated Wetlands ▪ No unevaluated wetlands are present in the Study Area.
ANSIs (Site)	Provincially Significant Life Science ANSI ▪ No Life Science ANSIs are identified on Site. Provincially Significant Earth Science ANSI ▪ No Earth Science ANSIs are identified on the Site.
ANSIs (Study Area)	Provincially Significant Life Science ANSI ▪ No Life Science ANSIs are identified in the Study Area. Provincially Significant Earth Science ANSI ▪ No Earth Science ANSIs are identified on the Study Area.
Oak Ridges Moraine	▪ No Oak Ridges Moraine areas are present within the Study Area.
Conservation Reserve	▪ No conservation reserve areas are present within the Study Area.
Protected Countryside (Site and Study Area)	▪ Th Site and majority of the Study Area are considered to be Protected Countryside.

Since the northwest portion of the Site is within 30 m of regulated wetlands, this portion of the Site is considered sensitive under Ontario Regulation 153/04, as amended. Therefore, any future subsurface investigation in this area will be subject to Ontario Regulation 153/04, as amended Table 1 Standards.

4.3.5 Archaeological Resources or Areas of Archaeological Potential

The Site is not designated as of provincial heritage significance under the Ontario Heritage Act. No additional archaeological evaluation of the Site was conducted as part of the COS.

4.3.6 Species at Risk

No science-based assessment of potential species at risk or species habitat was conducted as part of the Contamination Overview Study.

4.4 Site Operating Records

As the Site is operating as a municipal roadway no site operating records were provided for review. However, based on our review of the available background information, the absence of site operating records of a municipal roadway will not affect the conclusions of this report.

5.0 SITE RECONNAISSANCE

5.1 General

Date of Investigation	November 27, 2020
Time of Investigation	9:30 AM to 12:00 PM
Weather Conditions	Cloudy, 7 °C
Duration of Investigation	Approximately 2.5 hours
Was the Facility Operating? (only for enhanced investigation)	Not Applicable
Person Conducting Investigation and Qualifications	Alyssa Davis, M.Sc., G.I.T.

5.2 Specific Observations at Contamination Overview Study Site

The site reconnaissance included a walking tour of the Site, as well as compiling written and photographic records. Site features are presented on Figure 2, and site photographs are presented in Appendix E.

During the site reconnaissance conducted as part of the COS, areas likely to have exceedances of salt related contaminants were identified. These areas included residential driveway entrances and along the Teston Road COS Site. No sampling was conducted as part of the COS however, during future earthworks for the road improvement project, soil management activities may warrant chemical analysis of soil conditions for salt related contaminants to support re-use on-Site and/or off-site disposal. However, no sampling is required as per Ontario Regulation 153/04, as amended.

5.2.1 Building and Structure Descriptions

No building and/or structures were present on the Site.

5.2.2 Designated Substances and Other Special Attention Items

Since there are no building and/or structures present on the Site, no building and/or structure related designated substances were identified.

5.2.3 Below Ground Structures

The presence of below ground structures were observed to be present since sanitary and storm manholes were noted on the Site during the site inspection. The approximate locations of these structures are noted on Figure 2.

5.2.4 Above Ground Storage Tanks

No obvious aboveground storage tanks, or evidence of historical aboveground storage tanks, were observed at the Site.

5.2.5 Underground Storage Tanks

No obvious underground storage tanks (or evidence of underground storage tanks) were observed on the Site at the time of the site inspection.

5.2.6 Exterior Site Conditions

The Site is surfaced with a flexible pavement consisting of asphalt concrete underlain by granular material. Additional details of the Site and the Study Area are provided in the following table and are noted on Figure 2.

Potable Water Sources	Municipal water source –Regional Municipality of York.
Underground Utilities and Services	The inspection of the Site indicated the following information related to utility services: ▪ Underground utilities including water, sewers (storm and sanitary) and other utility were observed along Teston Road; ▪ Gas and communication lines were marked and/or flagged as underground utilities along the northern and southern boundaries of the Site; and ▪ Overhead power cables were also observed along the north side of Teston Road, at the intersection of Kipling Avenue and Teston Road, and at the intersection of Kleinburg Summit Way and Teston Road.
Current and Former Wells	No monitoring wells were observed on Site. No private drinking water wells were observed on Site.
Sewage Works	Municipal storm and sanitary sewers – Regional Municipality of York
Railways	No railways were observed on Site or within he Study Area.
Stained and Odorous Soils	No stained or odorous soils were observed on the day of the site reconnaissance.
Stressed Vegetation	No stressed vegetation was observed on the day of the site reconnaissance.
Fill Materials	No fill materials were observed on the day of the site reconnaissance.
Watercourses, Ditches or Standing Water	No watercourses were observed on the day of the site reconnaissance. Roadside catch basins (ditches) were identified on the Site. One (1) body of standing water was observed north of the Site associated with private property at 4720 Teston Road.
Air Emissions	No visible air emissions (e.g. smoke or residential chimney and furnace venting) were observed on the day of the site reconnaissance.
Roads, Parking Facilities, and Right-of-Ways	The inspection of the Site indicated the following Right-of-Ways. ▪ Kipling Avenue ▪ Kleinburg Summiit Way ▪ Newly constructed, unopened roadway – Ballantyne Boulevard No public parking facilities were observed on the Site on the day of the site reconnaissance.
Waste Handling	Regular domestic waste was noted to be collected by the City of Vaughan on a regular basis.

5.3 Investigation of Study Area

At the time of the site inspection, the land uses were noted on the properties immediately adjacent to the Site as summarized below.

Direction	Land Uses
North	Vacant/Agricultural, Residential, Community (Kipling Avenue and Kleinburg Summit Way).

Direction	Land Uses
South	Vacant/Agricultural and Residential
East	Vacant/Agricultural.
West	Residential and Parkland.

5.4 Potentially Contaminating Activities

The following PCAs were noted during the site reconnaissance:

Location of PCA	PCA	Activity
Kleinburg Summit Way and Teston Road North adjacent to COS Site	#55 – Transformer Manufacturing, Processing and Use	One pad-mounted transformer located on private property in the northeast quadrant of the intersection of Keinburg Summit Way and Teston Road.
4820 Teston Road	#55 – Transformer Manufacturing, Processing and Use	One pole-mounted transformer located south of the property at 4820 Teston Road.

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 Potentially Contaminating Activities

The PCAs on the Site and in the Study Area were determined based upon the assessment of the information contained within Section 4.0 Records Review and Section 5.0 Site Reconnaissance of this report. The summary of the activities identified are as follows:

Location of PCA	PCA	Potential Areas of Potential Environmental Concerns (APEC) (Yes/No)	Justification	Media Impacted
Kleinburg Summit Way and Teston Road North adjacent to COS Site	#55 – Transformer Manufacturing, Processing and Use	Yes	Up-gradient PCA. This PCA has a potential to cause an APEC on the Site due to its proximity to Site and its current operations.	Soil
COS Site at 4820 Teston Road	#55 – Transformer Manufacturing, Processing and Use	No	Due to the nature of the PCA – pole-mounted – it is the opinion of the QP that this PCA will not cause an APEC on the Site.	N/A
North portions of COS Study Area	#40 – Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents), Manufacturing, Processing, Bulk Storage and Large-Scale Applications	No	Due to the nature of the PCA, depth to groundwater in the Study Area and distance from the Site, it is the opinion of the QP that groundwater impacts, if present, are unlikely and as such, it is unlikely that this PCA has the potential to cause an APEC on the Site.	N/A

6.2 Areas of Potential Environmental Concern

Areas of Potential Environmental Concern (APECs) were identified for the Site. The approximate areas are depicted in Figure 4. The APECs are ranked according to the following Risk Levels:

- High Risk – Confirmed contaminant impacts being present on-Site;
- Medium Risk – A potential for contaminant impacts being present on-Site; and
- Low Risk – No potential for contaminant impacts to be present on-Site.

The summary of the areas including the rankings of potential are as follows:

Location of PCA	PCA	Media Impacted	APEC Number	APEC Ranking by Risk Level (High/Medium/Low)	Potential Contaminant of Concern
Kleinburg Summit Way and Teston Road North adjacent to COS Site	#55 – Transformer Manufacturing, Processing and Use	Soil	APEC 1	Medium	PCBs

Notes- Contaminant of Concern Abbreviations
PCBs – Polychlorinated Biphenyls

6.3 Recommended Environmental Site Assessment Work Plan

Environmental Site Assessments including soil and groundwater investigations are recommended to investigate the potential impacts on the Site caused by APECs identified as high risk, if any, especially within lands requiring expropriations for the road improvement project. For medium risk APECs, the soil and/or groundwater may be investigated during future earthworks at the Site. For low risk APECs, it is unlikely that the PCA has resulted in an impact to the lands at Site.

At the time of this study, no high risk APECs have been identified at the Site or within the Study Area. One medium risk APEC, resulting from PCA #55 - Transformer Manufacturing, Processing and Use, was identified and is associated with a transformer located in the northeast quadrant of the intersection of Kleinburg Summit Way and Teston Road North. No low risk APECs were identified on-site.

During the site reconnaissance conducted as part of the COS, areas likely to have exceedances of salt related contaminants were identified. These areas included residential driveway entrances and along the Teston Road COS Site. No sampling was conducted as part of the COS however, during future earthworks for the road improvement project, soil management activities may warrant chemical analysis of soil conditions for salt related contaminants to support re-use on-Site and/or off-site disposal. However, no sampling is required as per Ontario Regulation 153/04, as amended.

7.0 LIMITATIONS AND USE OF REPORT

This report was prepared for the exclusive use of HDR Corporation and the Corporation of the City of Vaughan and is intended to provide an assessment of the environmental condition on the Site at Teston Road which extends from 250 m west of Pine Valley Drive to Kleinburg Summit Way in the City of Vaughan, Ontario.

Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. Terraprobe Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report, including consequential financial effects on transactions or property values, or requirements for follow-up actions and costs.

The assessment should not be considered a comprehensive audit that eliminates all risks of encountering environmental problems. The information presented in this report is based on information collected during the completion of the study by Terraprobe Inc. It was based on the conditions on the Site at the time of the site inspection supplemented by a review of historical information to assess the environmental conditions regarding the Site, as reported herein.

Sampling and analysis of soil, groundwater or any other material was not carried out as part of this assessment. Consequently, the presence and/or extent of any adverse environmental impact cannot be verified. The potential for environmental liability and/or environmental impact is an opinion that has been arrived at within the scope of this assessment.

In assessing the environmental conditions/history of the Site, Terraprobe Inc. has relied in good faith on information provided by others, as noted in this report, and has assumed that the information provided by those individuals is factual and accurate. Terraprobe Inc. accepts no responsibility for any deficiency, misstatement or inaccuracy in this report resulting from the information provided by those individuals.

There is no warranty expressed or implied by this report regarding the environmental status of the Site. Professional judgement was exercised in gathering and analysing information collected by our staff, as well as that submitted by others. The conclusions presented are the product of professional care and competence and cannot be construed as an absolute guarantee.

In the event that during future work new information regarding the environmental condition of the Site is encountered, or in the event that the outstanding responses from the regulatory agencies indicate outstanding issues on file with respect to the Site, Terraprobe Inc. should be notified to allow the re-evaluation of the findings of this assessment and provide amendments, as required.

8.0 CLOSURE

The Contamination Overview Study has been completed by Alyssa Davis, M.Sc., G.I.T., under the direction and supervision of R. Baker Wohayeb P.Eng., QP_{RA} and Rehman Abdul, M.S., P.Eng. The report was reviewed by David Mably, P Eng. The findings and conclusions presented in this report have been determined on the basis of the information that was obtained and reviewed, and on an assessment of the existing conditions on the Site and properties within the Study Area.

Terraprobe Inc.

Alyssa Davis, M.Sc., G.I.T.
Project Coordinator

David Mably, P.Eng.
Senior Environmental Engineer

R. Baker Wohayeb, M.A.Sc., P.Eng., QP_{RA}
Principal

REFERENCES

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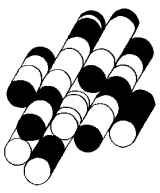
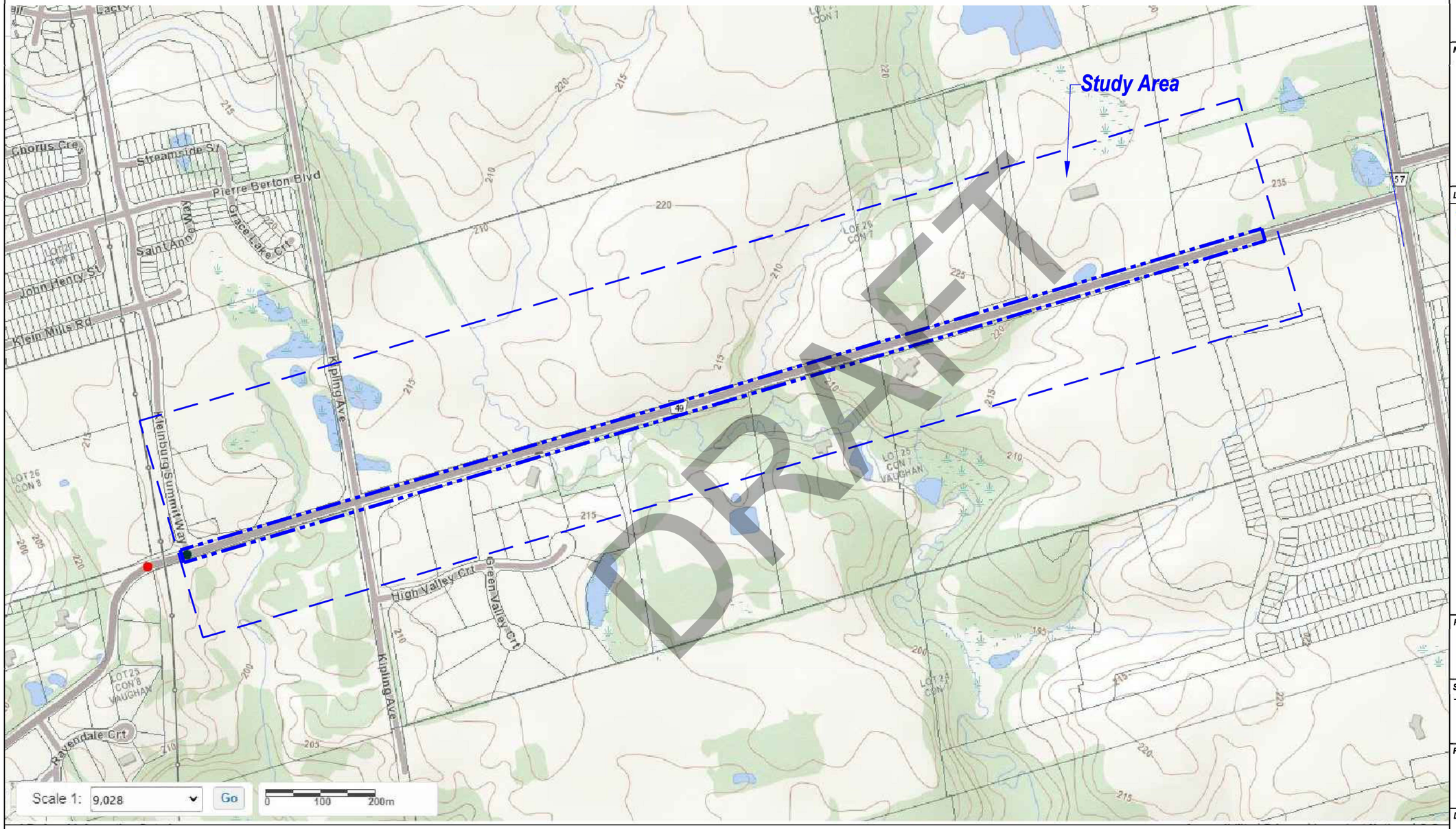
FIGURES

TERRAPROBE INC.





Terraprobe Inc.
Consulting Geotechnical & Environmental Engineering
Construction Materials, Inspection & Testing
11 Indell Lane - Brampton Ontario L6T 3Y3 (905) 796-2650

Reference:
Ministry of Natural Resources

Notes:

Legend:
- Property Boundary
- Study Area

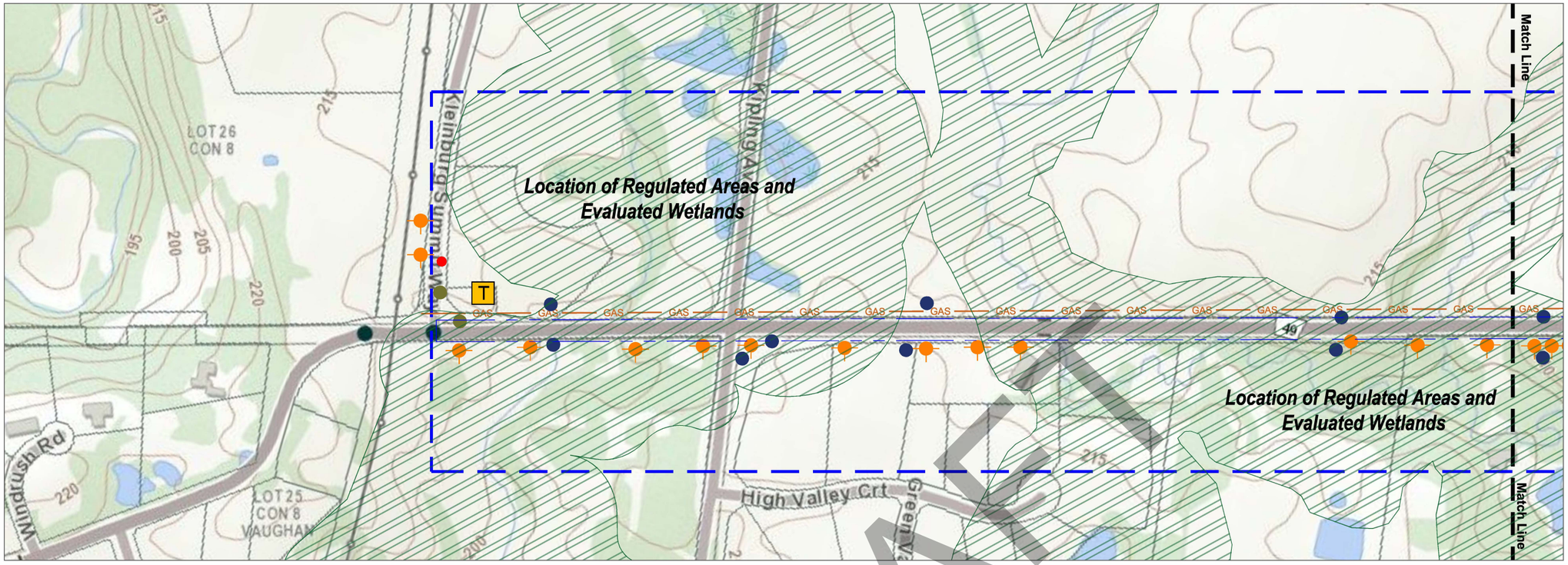
Project Title:
Contamination Overview Study

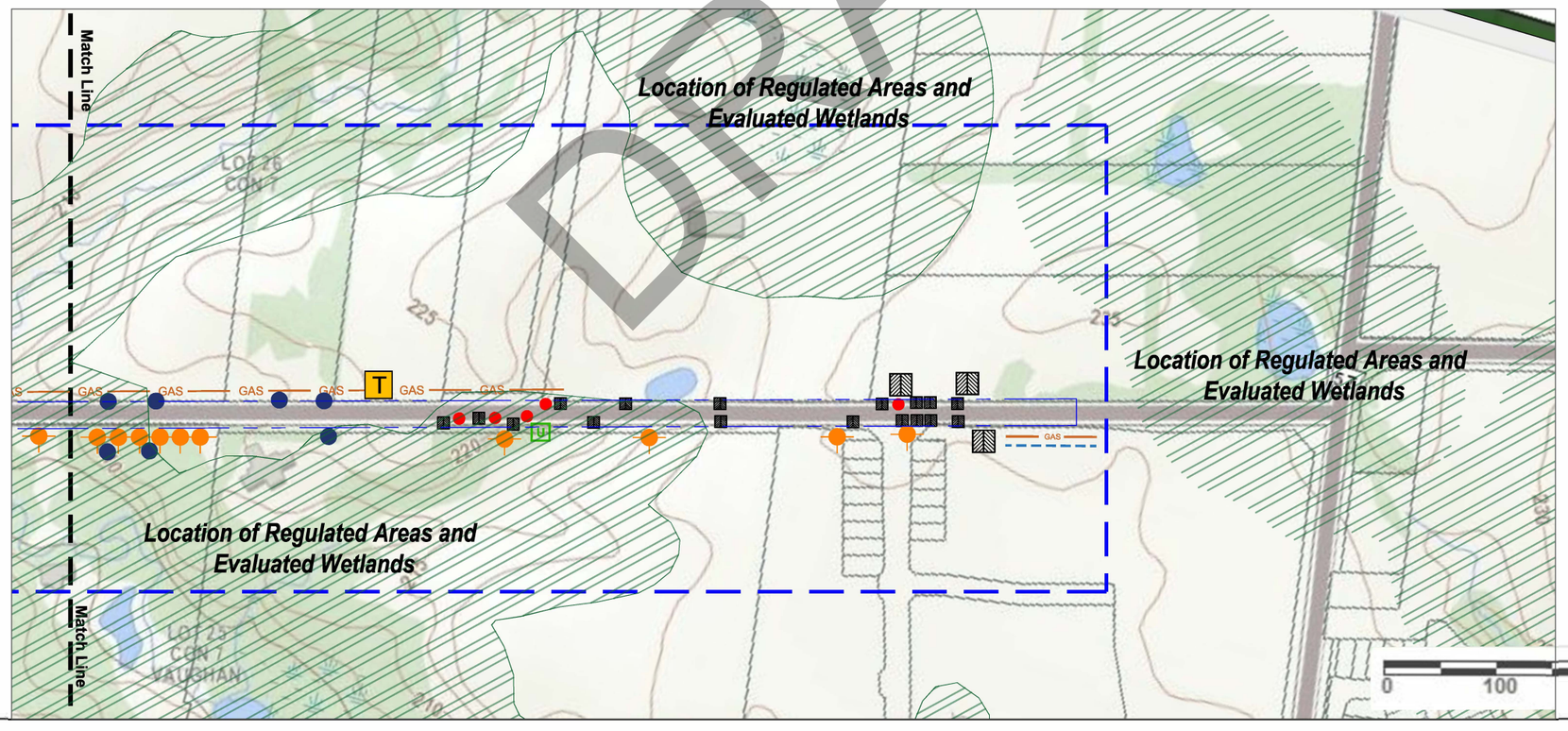
Site Location:
TESTON ROAD FROM WEST OF PINE VALLEY DRIVE TO KLEINBURG SUMMIT WAY, VAUGHAN, ONTARIO

Figure Title:
SITE LOCATION PLAN

Designed By: AD	**File No.:** 1-20-0160
Drawn By: SSK	**Scale:** As Shown
Reviewed By: DM	**Figure No.:** 1
Date: February 2021	

Z:\1-Project Files\2020\1-20-0160 - Teston Road - Pine Valley Dr -Kleinburg Summit Way\1. Contamination Overview Study\A. Dwgs. Logs\1-20-0160 Figures...2020-11-26.dwg, SSK





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Construction Materials, Inspection & Testing
11 Indell Lane - Brampton Ontario L6T 3Y3 (905) 796-2650

Reference:
Ministry of Natural Resources

Notes:
The locations of utilities shown are approximations only, and cannot be relied upon and should not be considered as utility locates or clearances. Before excavation or drilling takes place proper public and private utility locates will have to be obtained.

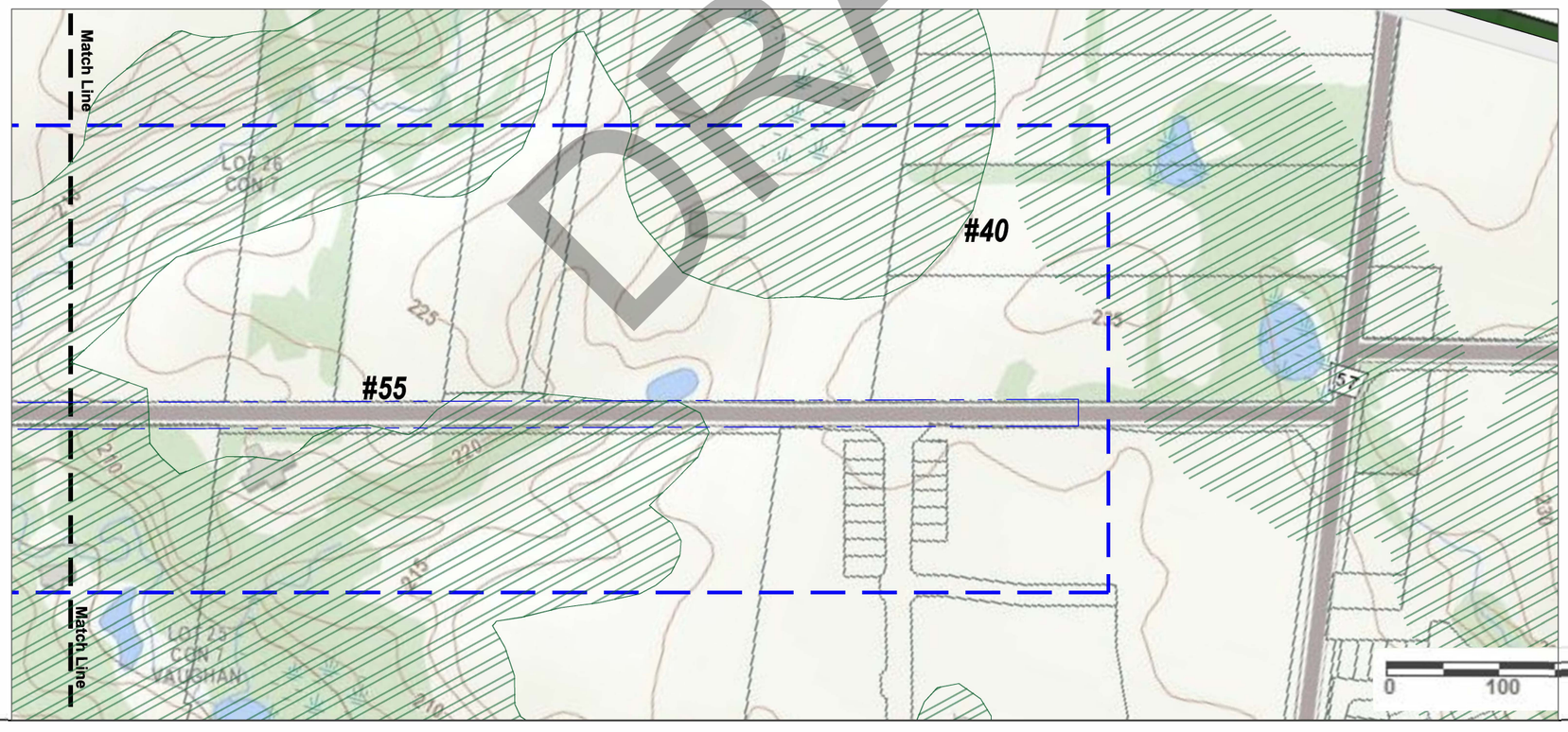
Legend:
- Property Boundary
- Study Area
- Marked Underground Gas Line
- Marked Underground Bell Line
- Catch Basin
- Utility Box
- Aboveground Transformer
- Fire Hydrant
- Utility Manhole
- Water Manhole
- Sanitary/ Storm Sewer Manhole

Project Title:
Contamination Overview Study

Site Location:
TESTON ROAD FROM WEST OF PINE VALLEY DRIVE TO KLEINBURG SUMMIT WAY, VAUGHAN, ONTARIO

Figure Title:
SITE FEATURES

Designed By: AD	***File No.:*** 1-20-0160
Drawn By: SSK	***Scale:*** As Shown
Reviewed By: DM	***Figure No.:*** 2
Date: February 2021	



Terraprobe Inc.
Consulting Geotechnical & Environmental Engineering
Construction Materials, Inspection & Testing
11 Indell Lane - Brampton Ontario L6T 3Y3 (905) 796-2650

Reference:

Ministry of Natural Resources

Notes:

PCA - Potentially Contaminating Activity

#00	PCA Causing APEC (High Risk)
#00	PCA Causing APEC (Medium Risk)
#00	PCA Causing APEC (Low/No Risk)
#00	PCA Not Causing APEC
→	Approximate Ground Water Flow Direction

Legend:

	Property Boundary
	Study Area
#40	Pesticides (including Herbicides, Fungicides and Anti- Fouling Agents), Manufacturing, Processing, Bulk Storage and Large- Scale Applications
#55	Transformer Manufacturing, Processing and Use

Project Title:

Contamination Overview Study

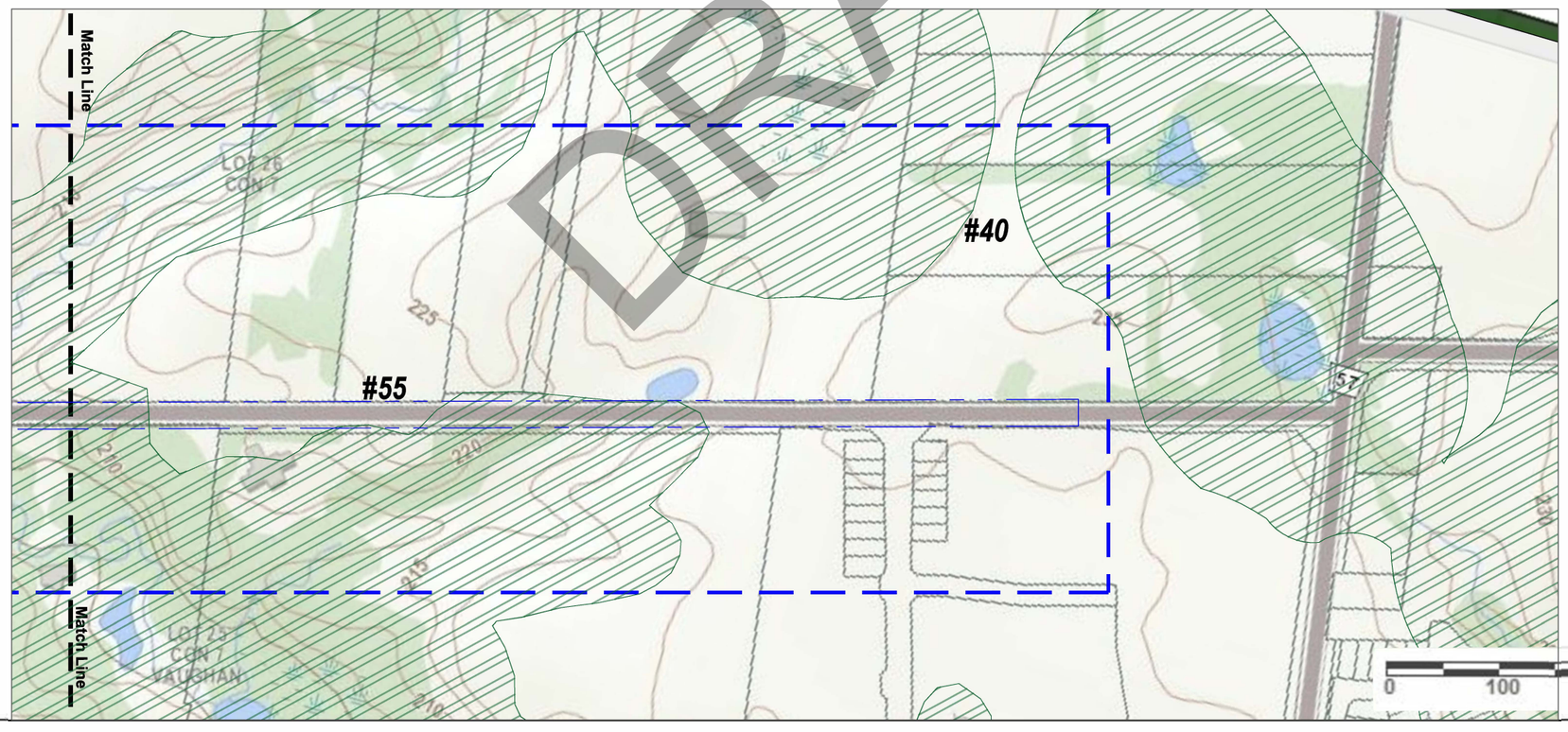
Site Location:

TESTON ROAD FROM WEST OF PINE VALLEY DRIVE TO KLEINBURG SUMMIT WAY, VAUGHAN, ONTARIO

Figure Title:

PCA LOCATIONS

Designed By: AD	***File No.:*** 1-20-0160
Drawn By: SSK	***Scale:*** As Shown
Reviewed By: DM	***Figure No.:*** 3
Date: February 2021	



Terraprobe Inc.
Consulting Geotechnical & Environmental Engineering
Construction Materials, Inspection & Testing
11 Indell Lane - Brampton Ontario L6T 3Y3 (905) 796-2650

Reference:
Ministry of Natural Resources

Notes:

PCA - Potentially Contaminating Activity
APEC - Area of Potential Environmental Concern

#00	PCA Causing APEC (High Risk)
#00	PCA Causing APEC (Medium Risk)
#00	PCA Causing APEC (Low/No Risk)
#00	PCA Not Causing APEC

Legend:

	Property Boundary
	Study Area
#40	Pesticides (including Herbicides, Fungicides and Anti- Fouling Agents), Manufacturing, Processing, Bulk Storage and Large- Scale Applications
#55	Transformer Manufacturing, Processing and Use
	Medium Risk (APEC 1)

Project Title:
Contamination Overview Study

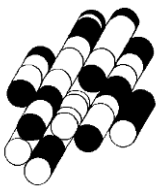
Site Location:
TESTON ROAD FROM WEST OF PINE VALLEY DRIVE TO KLEINBURG SUMMIT WAY, VAUGHAN, ONTARIO

Figure Title:
APEC LOCATIONS

Designed By: AD	***File No.:*** 1-20-0160
Drawn By: SSK	***Scale:*** As Shown
Reviewed By: DM	***Figure No.:*** 4
Date: February 2021	

APPENDIX A

TERRAPROBE INC.



ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*Teston Road - Pine Valley Drive - Kleinburg Summit Way* *Teston Road - Pine Valley Drive - Kleinburg Summit Way* *Vaughan ON L0J 1C0*
Project No:	*1-20-0160-41*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*20312000375*
Requested by:	*Terraprobe Ltd.*
Date Completed:	*November 25, 2020*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

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Executive Summary

Property Information:

Project Property: *Teston Road - Pine Valley Drive - Kleinburg Summit Way*
Teston Road - Pine Valley Drive - Kleinburg Summit Way Vaughan ON L0J 1C0

Project No: *1-20-0160-41*

Order Information:

Order No: *20312000375*
Date Requested: *November 20, 2020*
Requested by: *Terraprobe Ltd.*
Report Type: *Quote - Custom-Build Your Own Report*

Historical/Products:

City Directory Search *CD - Subject Site plus 250m Radius*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.00km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	4	0	4
CA	Certificates of Approval	Y	0	0	0
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	1	0	1
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	1	0	1
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.00km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	0	0
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	37	0	37
	Total:		43	0	43

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	BORE		ON	SW/0.0	1.19	20
2	WWIS		1452 WELLINGTON ST E Aurora ON ***Well ID:*** 7230072	SE/0.0	-13.73	21
3	WWIS		APPOX 790M E ON TESTON RD FROM INTERSECTION WITH KIPLING RD KLEINBURG ON ***Well ID:*** 7276206	ESE/0.0	-15.71	23
4	WWIS		APPOX 550M E ON TESTON RD FROM INTERSECTION WITH KIPLING RD KLEINBURG ON ***Well ID:*** 7276205	SW/0.0	-9.08	25
5	WWIS		APPOX 900M E ON TESTON RD FROM INTERSECTION WITH KIPLING RD KLEINB ON ***Well ID:*** 7276207	E/0.0	-4.78	26
6	WWIS		lot 25 con 7 ON ***Well ID:*** 6914020	SE/0.0	-17.98	28
7	EHS		10957 KIPLING AVE VAUGHAN ON L0J1C0	W/0.0	-7.78	33
8	WWIS		lot 26 con 7 ON ***Well ID:*** 6924145	E/0.0	-1.73	33

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
9	WWIS		lot 26 con 7 ON **Well ID:** 6927017	ENE/0.0	-5.22	37
10	WWIS		lot 26 con 7 ON **Well ID:** 6921494	ENE/0.0	-5.22	37
11	WWIS		lot 25 con 7 ON **Well ID:** 6917559	SW/0.0	-10.04	43
12	WWIS		lot 26 con 7 ON **Well ID:** 6906951	ENE/0.0	5.03	47
13	WWIS		APPOX 1KM E ON TESTON RD FROM INTERSECTION WITH KIPLING RD KLEINBURG ON **Well ID:** 7276208	E/0.0	2.14	51
14	WWIS		APPROX 320 M EAST ON TESTON RD FROM INTEREC WITH KIPLING RD KLEINBURG ON **Well ID:** 7276204	WSW/0.0	-12.89	53
15	WWIS		lot 25 con 7 ON **Well ID:** 6915787	E/0.0	-3.47	54
16	WWIS		lot 25 con 7 ON **Well ID:** 6911690	WSW/0.0	-11.34	58
17	WWIS		APPROX 290 M EAST OF KIPLING RD INTERSECTION ON TESTON RD KLEINBURG ON **Well ID:** 7276203	WSW/0.0	-12.67	62
18	WWIS		lot 25 con 7 ON	SW/0.0	-8.84	63

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
			Well ID: 6913854			
19	WWIS		APPROX 280M EAST OF KIPLING RD INTERSECTION ON TESTON RD KLEINBURG ON ***Well ID:*** 7276202	WSW/0.0	-11.99	68
20	WWIS		lot 25 con 7 ON ***Well ID:*** 6915786	E/0.0	3.41	70
21	WWIS		lot 25 con 7 ON ***Well ID:*** 6918519	SW/0.0	-2.33	74
22	GEN	Mary.B.O'Connor.	4820 Teston Road Kleinburg ON L0J 1C0	ENE/0.0	-0.26	78
23	WWIS		lot 25 con 7 ON ***Well ID:*** 6918132	SW/0.0	-1.74	78
24	BORE		ON	WSW/0.0	-1.69	81
25	WWIS		50 HIGH VALLEY CRT lot 25 con 7 KLEINBURG ON ***Well ID:*** 6930685	WSW/0.0	-0.79	82
26	WWIS		lot 25 con 7 ON ***Well ID:*** 6918792	WSW/0.0	-2.64	88
27	BORE		ON	W/0.0	-1.70	92

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
28	WWIS		lot 25 con 7 ON ***Well ID:*** 6920231	WSW/0.0	-4.58	94
29	WWIS		APPOX 1.4KM E ON TESTON RD FROM INTERSECTION WITH KIPLING RD KLEINBURG ON ***Well ID:*** 7276209	E/0.0	1.27	98
30	WWIS		lot 25 con 7 ON ***Well ID:*** 6920229	WSW/0.0	-3.94	100
31	BORE		ON	WSW/0.0	-3.35	105
32	WWIS		NE CORNER OF INTERSECTION OF KIPLING AVE AND TESTON RD KLEINBURG ON ***Well ID:*** 7276201	WSW/0.0	-4.40	106
33	WWIS		10970 10980 KIPLING KLEINBURG ON ***Well ID:*** 7269352	WSW/0.0	-5.23	107
33	WWIS		10970 10980 KIPLING AVENUE KLEINBURG ON ***Well ID:*** 7269351	WSW/0.0	-5.23	109
34	WWIS		10970 10980 KIPLING AVENUE KLEINBURG ON ***Well ID:*** 7269350	W/0.0	-1.66	111
35	WWIS		lot 26 con 7 ON ***Well ID:*** 6906949	ENE/0.0	8.80	113
36	WWIS		HWY 27 & LANGSTAFF RD VAUGHAN ON	WSW/0.0	-12.13	117

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
			Well ID: 7232729			
37	WWIS		lot 25 con 8 ON ***Well ID:*** 6907089	WSW/0.0	-10.96	119
38	WWIS		10970 10980 KIPLING AVENUE KLEINBURG ON ***Well ID:*** 7269337	WSW/0.0	-9.12	123
39	WWIS		TESTON ROAD & KIPLING AVENUE APPROX. 300M W OF KIPLING & 45M N OF TESTON ON ***Well ID:*** 7239034	WSW/0.0	-7.13	125
40	WWIS		TESTON & KIPLING AVENUE APPROX. 300M W OF KIPLING & 45M N OF TESTON Vaughan ON ***Well ID:*** 7239033	WSW/0.0	-6.74	127
41	WWIS		APPROX 280M WEST OF KIPLING AVE ON TESTON RD KLEINBURG ON ***Well ID:*** 7276200	WSW/0.0	-6.77	130
42	WWIS		10970 10980 KIPLING AVENUE KLEINBURG ON ***Well ID:*** 7269338	W/0.0	-3.40	132

Executive Summary: Site Report Summary - Surrounding Properties

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

No records found in the selected databases for the surrounding properties.

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 4 BORE site(s) within approximately 0.00 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON	0.0	1
	ON	0.0	24
	ON	0.0	27
	ON	0.0	31

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jul 31, 2020 has found that there are 1 EHS site(s) within approximately 0.00 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	10957 KIPLING AVE VAUGHAN ON L0J1C0	0.0	7

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jul 31, 2020 has found that there are 1 GEN site(s) within approximately 0.00 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Mary.B.O'Connor.	4820 Teston Road Kleinburg ON L0J 1C0	0.0	22

Site	Address	Distance (m)	Map Key

WWIS - Water Well Information System

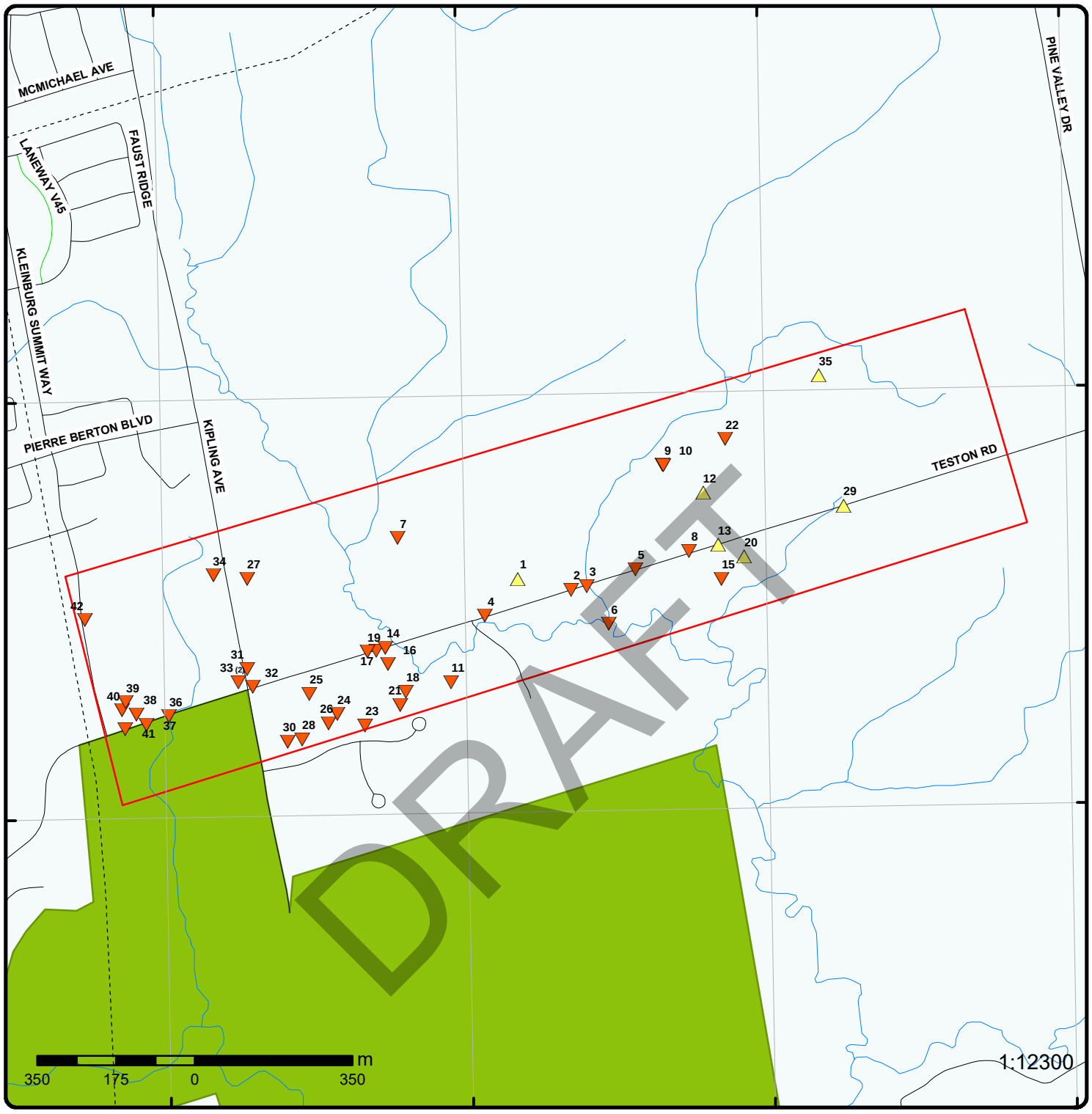
A search of the WWIS database, dated Apr 30, 2020 has found that there are 37 WWIS site(s) within approximately 0.00 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	1452 WELLINGTON ST E Aurora ON ***Well ID:*** 7230072	0.0	2
	APPOX 790M E ON TESTON RD FROM INTERSECTION WITH KIPLING RD KLEINBURG ON ***Well ID:*** 7276206	0.0	3
	APPOX 550M E ON TESTON RD FROM INTERSECTION WITH KIPLING RD KLEINBURG ON ***Well ID:*** 7276205	0.0	4
	APPOX 900M E ON TESTON RD FROM INTERSECTION WITH KIPLING RD KLEINB ON ***Well ID:*** 7276207	0.0	5
	lot 25 con 7 ON ***Well ID:*** 6914020	0.0	6
	lot 26 con 7 ON ***Well ID:*** 6924145	0.0	8
	lot 26 con 7 ON ***Well ID:*** 6927017	0.0	9
	lot 26 con 7 ON ***Well ID:*** 6921494	0.0	10
	lot 25 con 7 ON ***Well ID:*** 6917559	0.0	11

Site	Address	Distance (m)	Map Key
	lot 26 con 7 ON ***Well ID:*** 6906951	0.0	12
	APPOX 1KM E ON TESTON RD FROM INTERSECTION WITH KIPLING RD KLEINBURG ON ***Well ID:*** 7276208	0.0	13
	APPROX 320 M EAST ON TESTON RD FROM INTEREC WITH KIPLING RD KLEINBURG ON ***Well ID:*** 7276204	0.0	14
	lot 25 con 7 ON ***Well ID:*** 6915787	0.0	15
	lot 25 con 7 ON ***Well ID:*** 6911690	0.0	16
	APPROX 290 M EAST OF KIPLING RD INTERSECTION ON TESTON RD KLEINBURG ON ***Well ID:*** 7276203	0.0	17
	lot 25 con 7 ON ***Well ID:*** 6913854	0.0	18
	APPROX 280M EAST OF KIPLING RD INTERSECTION ON TESTON RD KLEINBURG ON ***Well ID:*** 7276202	0.0	19
	lot 25 con 7 ON ***Well ID:*** 6915786	0.0	20
	lot 25 con 7 ON ***Well ID:*** 6918519	0.0	21
	lot 25 con 7 ON ***Well ID:*** 6918132	0.0	23
	50 HIGH VALLEY CRT lot 25 con 7 KLEINBURG ON	0.0	25

Site	Address	Distance (m)	Map Key
	Well ID: 6930685		
	lot 25 con 7 ON ***Well ID:*** 6918792	0.0	26
	lot 25 con 7 ON ***Well ID:*** 6920231	0.0	28
	APPOX 1.4KM E ON TESTON RD FROM INTERSECTION WITH KIPLING RD KLEINBURG ON ***Well ID:*** 7276209	0.0	29
	lot 25 con 7 ON ***Well ID:*** 6920229	0.0	30
	NE CORNER OF INTERSECTION OF KIPLING AVE AND TESTON RD KLEINBURG ON ***Well ID:*** 7276201	0.0	32
	10970 10980 KIPLING KLEINBURG ON ***Well ID:*** 7269352	0.0	33
	10970 10980 KIPLING AVENUE KLEINBURG ON ***Well ID:*** 7269351	0.0	33
	10970 10980 KIPLING AVENUE KLEINBURG ON ***Well ID:*** 7269350	0.0	34
	lot 26 con 7 ON ***Well ID:*** 6906949	0.0	35
	HWY 27 & LANGSTAFF RD VAUGHAN ON ***Well ID:*** 7232729	0.0	36
	lot 25 con 8 ON ***Well ID:*** 6907089	0.0	37

Site	Address	Distance (m)	Map Key
	10970 10980 KIPLING AVENUE KLEINBURG ON ***Well ID:*** 7269337	0.0	38
	TESTON ROAD & KIPLING AVENUE APPROX. 300M W OF KIPLING & 45M N OF TESTON ON ***Well ID:*** 7239034	0.0	39
	TESTON & KIPLING AVENUE APPROX. 300M W OF KIPLING & 45M N OF TESTON Vaughan ON ***Well ID:*** 7239033	0.0	40
	APPROX 280M WEST OF KIPLING AVE ON TESTON RD KLEINBURG ON ***Well ID:*** 7276200	0.0	41
	10970 10980 KIPLING AVENUE KLEINBURG ON ***Well ID:*** 7269338	0.0	42



Map : 0.001 Kilometer Radius

Order Number: 20312000375

Address: Teston Road - Pine Valley Drive - Kleinburg Summit Way, Vaughan, ON

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Expressway
- Principal Highway
- Secondary Highway
- Major Road
- Local road
- Trail
- Proposed Road
- Ferry Route/Ice Road
- Industrial and Resource - Regions
- Main Line
- Sidetrack
- Transit Line
- Abandoned Line
- National Park
- Provincial or Territorial Park
- Other Park
- Golf Course or Driving Range
- Park or Sports Field
- Other Recreation Area

79°37'30"W

79°36'W

Aerial

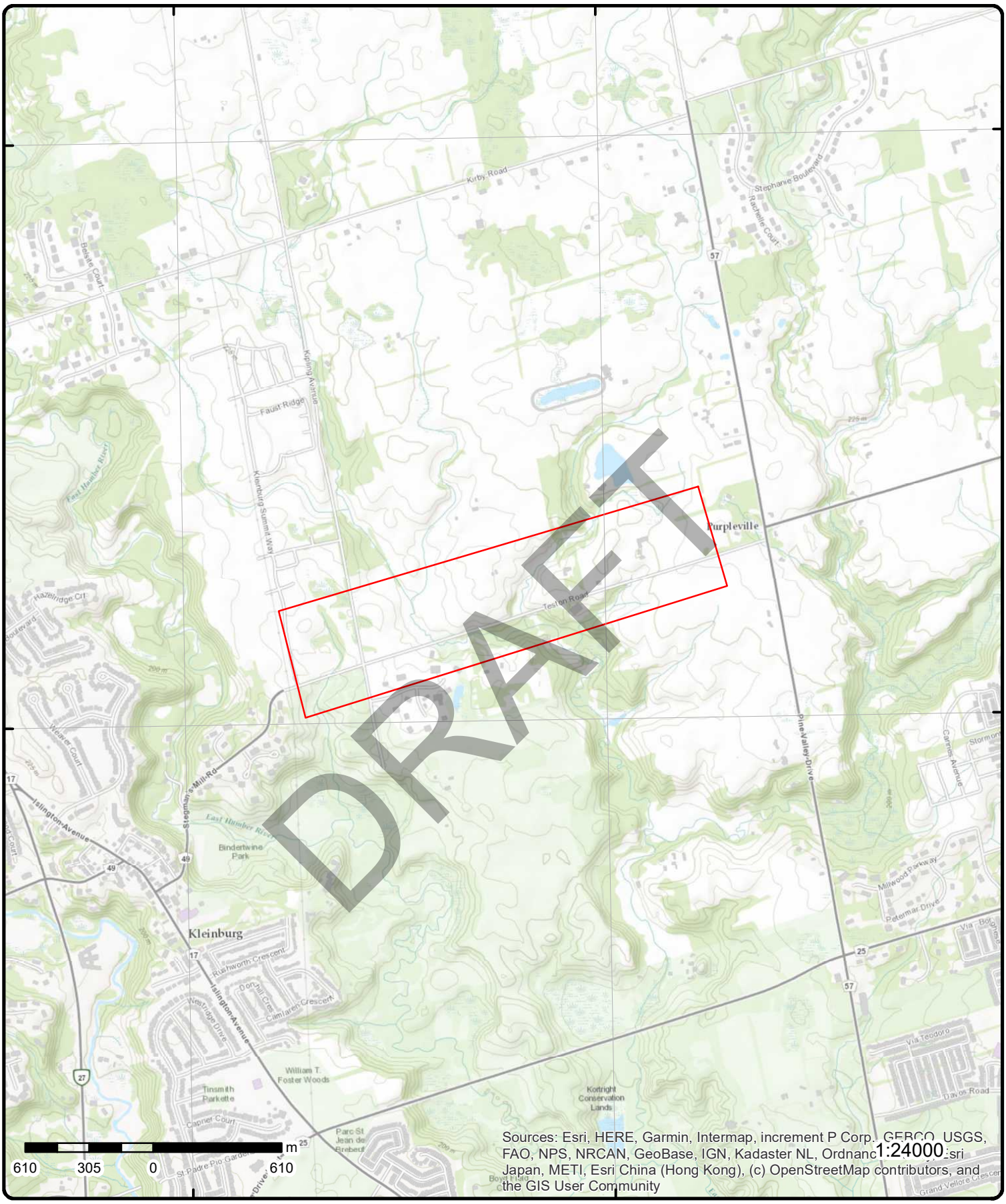
Year: 2015

Order Number: 20312000375

Address: Teston Road - Pine Valley Drive - Kleinburg Summit Way, Va

ENVIRONMENTAL RISK INFORMATION SERVICES

Source: ESRI World Imagery



Topographic Map

Order Number: 20312000375

Address: Teston Road - Pine Valley Drive - Kleinburg Summit Way, ON

Source: ESRI World Topographic Map

ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	SW/0.0	217.8 / 1.19	ON	BORE

Borehole ID: 589854
OGF ID: 215500449
Status: Unknown
Type: Outcrop
Use:
Completion Date:
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: .9
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 216
Elev Reliabil Note:
DEM Ground Elev m: 216
Concession:
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name: OGS-OLW-62-365
Municipality:
Lot:
Township:
Latitude DD: 43.854655
Longitude DD: -79.606916
UTM Zone: 17
Easting: 611962
Northing: 4856673
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218339824
Top Depth: 0
Bottom Depth: .9
Material Color:
Material 1: Till
Material 2: Silt
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: Di si **Note: Many records provided by the department have a truncated [Stratum Description] field.

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Source

Source Type: Data Survey
Source Orig: Ontario Geological Survey
Source Date: Varies to 2004
Confidence: H
Observatio:
Source Name: Ontario Geological Survey Fieldwork Mapping
Source Details: YPDT Master Database A: -1616668242
Confiden 1: Location taken from OGS 1:50,000 maps by CAMC staff or consultants.

Source Appl: Spatial/Tabular
Source Iden: 6
Scale or Res: 1:50,000
Horizontal: NAD83
Verticalda: Mean Average Sea Level

Source List

Source Identifier: 6
Source Type: Data Survey
Source Date: Varies to 2004

Horizontal Datum: NAD83
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transvers Mercator

Scale or Resolution: 1:50,000
Source Name: Ontario Geological Survey Fieldwork Mapping
Source Originators: Ontario Geological Survey

---

2 | **1 of 1** | **SE/0.0** | **202.9 / -13.73** | **1452 WELLINGTON ST E Aurora ON** | **WWIS**

Well ID:	7230072	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring and Test Hole	**Date Received:**	10/24/2014
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Monitoring and Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7247
Casing Material:		**Form Version:**	7
Audit No:	Z185217	**Owner:**	
Tag:	A167206	**Street Name:**	1452 WELLINGTON ST E
Construction Method:		**County:**	YORK AND TORONT
Elevation (m):		**Municipality:**	VAUGHAN TOWN (VAUGHAN TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/723\7230072.pdf

Bore Hole Information

Bore Hole ID:	1005176895	**Elevation:**	205.358367
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	612081
Code OB Desc:		**North83:**	4856649
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	8/1/2014	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005360868
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	02
Mat3 Desc:	TOPSOIL
Formation Top Depth:	0

Formation End Depth: 5
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1005360869
Layer: 2
Color: 6
General Color: BROWN
Mat1: 06
Most Common Material: SILT
Mat2: 05
Mat2 Desc: CLAY
Mat3: 28
Mat3 Desc: SAND
Formation Top Depth: 5
Formation End Depth: 60
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005360877
Layer: 1
Plug From: 0
Plug To: 53
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1005360876
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 1005360867
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005360872
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 55
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1005360873
Layer: 1
Slot: 10

Screen Top Depth:	55
Screen End Depth:	60
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.125

Water Details

Water ID:	1005360871
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	20
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1005360870
Diameter:	6
Depth From:	0
Depth To:	60
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

---

3 | ***1 of 1*** | ***ESE/0.0*** | ***200.9 / -15.71*** | ***APPOX 790M E ON TESTON RD FROM INTERSECTION WITH KIPLING RD KLEINBURG ON*** | ***WWIS***

Well ID:	7276206	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	11/30/2016
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	7472
Casing Material:		**Form Version:**	7
Audit No:	Z244707	**Owner:**	
Tag:		**Street Name:**	APPOX 790M E ON TESTON RD FROM INTERSECTION WITH KIPLING RD
Construction Method:		**County:**	YORK AND TORONT
Elevation (m):		**Municipality:**	VAUGHAN TOWN (VAUGHAN TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006299886	**Elevation:**	200.943939
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	612116
Code OB Desc:		**North83:**	4856657
Open Hole:		**Org CS:**	UTM83

Cluster Kind:
Date Completed: 8/5/2016
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Method of Construction & Well Use

Method Construction ID: 1006463270
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1006463264
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006463268
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006463269
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Water Details

Water ID: 1006463267
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006463266

Diameter:	0.7
Depth From:	0
Depth To:	24
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

4 **1 of 1** **SW/0.0** **207.5 / -9.08** **APPOX 550M E ON TESTON RD FROM INTERSECTION WITH KIPLING RD KLEINBURG ON** **WWIS**

Well ID:	7276205	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	11/30/2016
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	7472
Casing Material:		**Form Version:**	7
Audit No:	Z244706	**Owner:**	
Tag:		**Street Name:**	APPOX 550M E ON TESTON RD FROM INTERSECTION WITH KIPLING RD
Construction Method:		**County:**	YORK AND TORONT
Elevation (m):		**Municipality:**	VAUGHAN TOWN (VAUGHAN TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006299883	**Elevation:**	203.882736
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	611890
Code OB Desc:		**North83:**	4856590
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	8/5/2016	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Method of Construction & Well Use

Method Construction ID:	1006463263
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID: 1006463257
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006463261
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006463262
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Water Details

Water ID: 1006463260
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006463259
Diameter: 0.7
Depth From: 0
Depth To: 15
Hole Depth UOM: ft
Hole Diameter UOM: inch

5	1 of 1	E/0.0	211.8 / -4.78	APPOX 900M E ON TESTON RD FROM INTERSECTION WITH KIPLING RD KLEINB ON	WWIS

Well ID: 7276207
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z244708
Tag:

Data Entry Status:
Data Src:
Date Received: 11/30/2016
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 7472
Form Version: 7
Owner:
Street Name: APPOX 900M E ON TESTON RD FROM INTERSECTION WITH KIPLING RD

Construction Method:		**County:**	YORK AND TORONT
Elevation (m):		**Municipality:**	VAUGHAN TOWN (VAUGHAN TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006299889	**Elevation:**	209.083587
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	612224
Code OB Desc:		**North83:**	4856695
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	8/5/2016	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Method of Construction & Well Use

Method Construction ID:	1006463277
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1006463271
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006463275
Layer:	
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006463276
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Water Details

Water ID:	1006463274
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006463273
Diameter:	2
Depth From:	0
Depth To:	44
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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6 **1 of 1** **SE/0.0** **198.6 / -17.98** **lot 25 con 7 ON** **WWIS**

Well ID:	6914020	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	7/11/1977
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	5206
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	YORK AND TORONT
Elevation (m):		**Municipality:**	VAUGHAN TOWN (VAUGHAN TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	025
Well Depth:		**Concession:**	07
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/691\6914020.pdf

Bore Hole Information

Bore Hole ID:	10504597	**Elevation:**	199.287628
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	612164.7
Code OB Desc:	Overburden	**North83:**	4856573

Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	6/3/1977	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932768287
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	12
Mat3 Desc:	STONES
Formation Top Depth:	20
Formation End Depth:	25
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932768290
Layer:	5
Color:	2
General Color:	GREY
Mat1:	06
Most Common Material:	SILT
Mat2:	28
Mat2 Desc:	SAND
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	65
Formation End Depth:	115
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932768288
Layer:	3
Color:	2
General Color:	GREY
Mat1:	06
Most Common Material:	SILT
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	25
Formation End Depth:	35
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932768294
Layer:	9
Color:	8
General Color:	BLACK
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	06
Mat3 Desc:	SILT
Formation Top Depth:	165
Formation End Depth:	165
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932768293
Layer:	8
Color:	8
General Color:	BLACK
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	06
Mat3 Desc:	SILT
Formation Top Depth:	155
Formation End Depth:	165
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932768289
Layer:	4
Color:	2
General Color:	GREY
Mat1:	06
Most Common Material:	SILT
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	28
Mat3 Desc:	SAND
Formation Top Depth:	35
Formation End Depth:	65
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932768291
Layer:	6
Color:	2
General Color:	GREY
Mat1:	06
Most Common Material:	SILT
Mat2:	28
Mat2 Desc:	SAND
Mat3:	05

Mat3 Desc: CLAY
Formation Top Depth: 115
Formation End Depth: 150
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932768286
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3: 06
Mat3 Desc: SILT
Formation Top Depth: 0
Formation End Depth: 20
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932768292
Layer: 7
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 12
Mat2 Desc: STONES
Mat3: 05
Mat3 Desc: CLAY
Formation Top Depth: 150
Formation End Depth: 155
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966914020
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 11053167
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930817632
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 162

Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933392922
Layer: 1
Slot: 050
Screen Top Depth: 162
Screen End Depth: 165
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 6

Results of Well Yield Testing

Pump Test ID: 996914020
Pump Set At:
Static Level: 10
Final Level After Pumping: 20
Recommended Pump Depth: 50
Pumping Rate: 25
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 4
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934625449
Test Type: Recovery
Test Duration: 30
Test Level: 10
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934364830
Test Type: Recovery
Test Duration: 15
Test Level: 10
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935139560
Test Type: Recovery
Test Duration: 60
Test Level: 10
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934884521
Test Type: Recovery
Test Duration: 45
Test Level: 10
Test Level UOM: ft

Water Details

Water ID: 933997184
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 165
Water Found Depth UOM: ft

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7 | **1 of 1** | **W/0.0** | **208.8 / -7.78** | **10957 KIPLING AVE VAUGHAN ON L0J1C0** | **EHS**

Order No: 20111115014
Status: C
Report Type: Standard Report
Report Date: 11/23/2011
Date Received: 11/15/2011 11:23:08 AM
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0.25
X: -79.610214
Y: 43.855508

---

8 | **1 of 1** | **E/0.0** | **214.9 / -1.73** | **lot 26 con 7 ON** | **WWIS**

Well ID: 6924145
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 166712
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 12/15/1997
Selected Flag: Yes
Abandonment Rec:
Contractor: 3108
Form Version: 1
Owner:
Street Name:
County: YORK AND TORONT
Municipality: VAUGHAN TOWN (VAUGHAN TWP)
Site Info:
Lot: 026
Concession: 07
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/692\6924145.pdf

Bore Hole Information

Bore Hole ID: 10514423
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden

Elevation: 214.764266
Elevrc:
Zone: 17
East83: 612343
North83: 4856735

Open Hole:
Cluster Kind:
Date Completed: 9/30/1997
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Org CS:
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: gps

Overburden and Bedrock Materials Interval

Formation ID: 932822817
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 31
Formation End Depth: 56
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932822816
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 31
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932822819
Layer: 4
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 140
Formation End Depth: 181
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	932822818
Layer:	3
Color:	
General Color:	
Mat1:	06
Most Common Material:	SILT
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	56
Formation End Depth:	140
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933217411
Layer:	2
Plug From:	10
Plug To:	169
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933217410
Layer:	1
Plug From:	0
Plug To:	10
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966924145
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	11062993
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930828878
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	169
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930828879
Layer:	2
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	170
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933399649
Layer:	1
Slot:	006
Screen Top Depth:	170
Screen End Depth:	181
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	6

Results of Well Yield Testing

Pump Test ID:	996924145
Pump Set At:	
Static Level:	47
Final Level After Pumping:	170
Recommended Pump Depth:	140
Pumping Rate:	75
Flowing Rate:	
Recommended Pump Rate:	15
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934364035
Test Type:	Recovery
Test Duration:	15
Test Level:	47
Test Level UOM:	ft

Water Details

Water ID:	934006577
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	181
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	1 of 1	ENE/0.0	211.4 / -5.22	lot 26 con 7 ON	WWIS

Well ID:	6927017	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Not Used	**Date Received:**	5/30/2003
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	
Water Type:		**Contractor:**	3108
Casing Material:		**Form Version:**	1
Audit No:	210890	**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	YORK AND TORONT
Elevation (m):		**Municipality:**	VAUGHAN TOWN (VAUGHAN TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	026
Well Depth:		**Concession:**	07
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/692\6927017.pdf

Bore Hole Information

Bore Hole ID:	10542599	**Elevation:**	212.363937
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	_	**East83:**	612283
Code OB Desc:	No formation data	**North83:**	4856926
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	7
Date Completed:	2/14/2003	**UTMRC Desc:**	margin of error : 1 km - 3 km
Remarks:		**Location Method:**	lot
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Method of Construction & Well Use

Method Construction ID:	966927017
Method Construction Code:	B
Method Construction:	Other Method
Other Method Construction:	

Pipe Information

Pipe ID:	11091169
Casing No:	1
Comment:	
Alt Name:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
10	1 of 1	ENE/0.0	211.4 / -5.22	lot 26 con 7 ON	WWIS

Well ID:	6921494	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Livestock	**Date Received:**	7/30/1991
Sec. Water Use:	Domestic	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1663
Casing Material:		**Form Version:**	1
Audit No:	79163	**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	YORK AND TORONT
Elevation (m):		**Municipality:**	VAUGHAN TOWN (VAUGHAN TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	026
Well Depth:		**Concession:**	07
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/692\6921494.pdf

Bore Hole Information

Bore Hole ID:	10511804	**Elevation:**	212.93486
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	612285.7
Code OB Desc:	Overburden	**North83:**	4856925
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	4/5/1990	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	lot
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932808983
Layer:	12
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	130
Formation End Depth:	158
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932808975
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	52
Formation End Depth:	61
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932808978
Layer:	7
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	09
Mat3 Desc:	MEDIUM SAND
Formation Top Depth:	67
Formation End Depth:	75
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932808974
Layer:	3
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	17
Formation End Depth:	52
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932808979
Layer:	8
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	75
Formation End Depth:	102

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932808980
Layer: 9
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 06
Mat2 Desc: SILT
Mat3:
Mat3 Desc:
Formation Top Depth: 102
Formation End Depth: 113
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932808972
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932808977
Layer: 6
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 64
Formation End Depth: 67
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932808982
Layer: 11
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND

Mat2: 05
Mat2 Desc: CLAY
Mat3:
Mat3 Desc:
Formation Top Depth: 122
Formation End Depth: 130
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932808973
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 2
Formation End Depth: 17
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932808981
Layer: 10
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 06
Mat2 Desc: SILT
Mat3:
Mat3 Desc:
Formation Top Depth: 113
Formation End Depth: 122
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932808976
Layer: 5
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 61
Formation End Depth: 64
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933213836
Layer: 1
Plug From: 0
Plug To: 106
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933213837
Layer: 2
Plug From: 111
Plug To: 158
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966921494
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 11060374
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930825877
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 106
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933397855
Layer: 1
Slot: 006
Screen Top Depth: 106
Screen End Depth: 111
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 6

Results of Well Yield Testing

Pump Test ID: 996921494
Pump Set At:
Static Level: 60
Final Level After Pumping: 111
Recommended Pump Depth: 106

Pumping Rate:	3
Flowing Rate:	
Recommended Pump Rate:	2
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	4
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	935152355
Test Type:	Recovery
Test Duration:	60
Test Level:	87
Test Level UOM:	ft

Water Details

Water ID:	934004303
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	102
Water Found Depth UOM:	ft

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11 | ***1 of 1*** | ***SW/0.0*** | ***206.6 / -10.04*** | ***lot 25 con 7 ON*** | ***WWIS***

Well ID:	6917559	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	7/23/1985
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1663
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	YORK AND TORONT
Elevation (m):		**Municipality:**	VAUGHAN TOWN (VAUGHAN TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	025
Well Depth:		**Concession:**	07
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/691\6917559.pdf

Bore Hole Information

Bore Hole ID:	10507903	**Elevation:**	210.381439
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	611814.7

Code OB Desc:	Overburden	**North83:**	4856443
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	11/19/1984	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4

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

Overburden and Bedrock Materials Interval

Formation ID:	932785893
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932785899
Layer:	7
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	119
Formation End Depth:	125
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932785894
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1
Formation End Depth:	11
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932785896
Layer:	4
Color:	2
General Color:	GREY
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	68
Formation End Depth:	81
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932785897
Layer:	5
Color:	2
General Color:	GREY
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	81
Formation End Depth:	103
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932785895
Layer:	3
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	06
Mat3 Desc:	SILT
Formation Top Depth:	11
Formation End Depth:	68
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932785898
Layer:	6
Color:	2
General Color:	GREY
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Mat2 Desc:	

Mat3:
Mat3 Desc:
Formation Top Depth: 103
Formation End Depth: 119
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966917559
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 11056473
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930821396
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 113
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933395126
Layer: 1
Slot: 016
Screen Top Depth: 113
Screen End Depth: 116
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 6

Results of Well Yield Testing

Pump Test ID: 996917559
Pump Set At:
Static Level: 44
Final Level After Pumping: 108
Recommended Pump Depth: 110
Pumping Rate: 12
Flowing Rate:
Recommended Pump Rate: 12
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 30

Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934364878
Test Type: Recovery
Test Duration: 15
Test Level: 48
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934623289
Test Type: Recovery
Test Duration: 30
Test Level: 44
Test Level UOM: ft

Water Details

Water ID: 934000493
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 103
Water Found Depth UOM: ft

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12 | ***1 of 1*** | ***ENE/0.0*** | ***221.6 / 5.03*** | ***lot 26 con 7 ON*** | ***WWIS***

Well ID: 6906951
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 7/3/1962
Selected Flag: Yes
Abandonment Rec:
Contractor: 1622
Form Version: 1
Owner:
Street Name:
County: YORK AND TORONT

Municipality: VAUGHAN TOWN (VAUGHAN TWP)
Site Info:
Lot: 026
Concession: 07
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/690\6906951.pdf

Bore Hole Information

Bore Hole ID: 10497648
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden

Elevation: 221.642196
Elevrc:
Zone: 17
East83: 612373.7
North83: 4856864

Open Hole:
Cluster Kind:
Date Completed: 6/12/1962
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 932736521
Layer: 8
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 180
Formation End Depth: 190
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932736517
Layer: 4
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 60
Formation End Depth: 80
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932736520
Layer: 7
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 170
Formation End Depth: 180
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	932736515
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	20
Formation End Depth:	30
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932736518
Layer:	5
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	80
Formation End Depth:	160
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932736519
Layer:	6
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	160
Formation End Depth:	170
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932736516
Layer:	3
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	

Mat3 Desc:
Formation Top Depth: 30
Formation End Depth: 60
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932736514
Layer: 1
Color:
General Color:
Mat1: 23
Most Common Material: PREVIOUSLY DUG
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 20
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966906951
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 11046218
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930810047
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 186
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933389054
Layer: 1
Slot: 020
Screen Top Depth: 186
Screen End Depth: 190
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 4

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

Results of Well Yield Testing

Pump Test ID:	996906951
Pump Set At:	
Static Level:	50
Final Level After Pumping:	65
Recommended Pump Depth:	185
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	8
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933990334
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	180
Water Found Depth UOM:	ft

13	***1 of 1***	***E/0.0***	***218.7 / 2.14***	***APPOX 1KM E ON TESTON RD FROM INTERSECTION WITH KIPLING RD KLEINBURG ON***	***WWIS***

Well ID:	7276208	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:		***Date Received:***	11/30/2016
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Abandoned-Other	***Abandonment Rec:***	Yes
Water Type:		***Contractor:***	7472
Casing Material:		***Form Version:***	7
Audit No:	Z244709	***Owner:***	
Tag:		***Street Name:***	APPOX 1KM E ON TESTON RD FROM INTERSECTION WITH KIPLING RD
Construction Method:		***County:***	YORK AND TORONT
Elevation (m):		***Municipality:***	VAUGHAN TOWN (VAUGHAN TWP)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006299892	***Elevation:***	216.862487
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	612407

Code OB Desc:		**North83:**	4856749
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	8/5/2016	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Method of Construction & Well Use

Method Construction ID:	1006463284
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1006463278
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006463282
Layer:	
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006463283
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Water Details

Water ID:	1006463281
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID: 1006463280
Diameter: 0.7
Depth From: 0
Depth To: 12
Hole Depth UOM: ft
Hole Diameter UOM: inch

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14 | 1 of 1 | WSW/0.0 | 203.7 / -12.89 | APPROX 320 M EAST ON TESTON RD FROM INTEREC WITH KIPLING RD KLEINBURG ON | WWIS

Well ID: 7276204
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z244705
Tag:

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

PDF URL (Map):

Data Entry Status:
Data Src:
Date Received: 11/30/2016
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 7472
Form Version: 7
Owner:
Street Name: APPROX 320 M EAST ON TESTON RD FROM INTEREC WITH KIPLING RD
County: YORK AND TORONT

Municipality: VAUGHAN TOWN (VAUGHAN TWP)
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1006299880
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 8/5/2016
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 204.830795
Elevrc:
Zone: 17
East83: 611669
North83: 4856519
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Method of Construction & Well Use

Method Construction ID: 1006463222
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID:	1006463216
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006463220
Layer:	
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006463221
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Water Details

Water ID:	1006463219
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006463218
Diameter:	0.7
Depth From:	0
Depth To:	15
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

15 ***1 of 1*** ***E/0.0*** ***213.1 / -3.47*** ***lot 25 con 7 ON*** ***WWIS***

Well ID:	6915787	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Not Used	***Date Received:***	5/4/1981
Sec. Water Use:	Domestic	***Selected Flag:***	Yes
Final Well Status:	Abandoned-Quality	***Abandonment Rec:***	
Water Type:		***Contractor:***	1663
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	

Construction Method:		***County:***	YORK AND TORONT
Elevation (m):		***Municipality:***	VAUGHAN TOWN (VAUGHAN TWP)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	025
Well Depth:		***Concession:***	07
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	10506342	***Elevation:***	211.099456
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	612414.7
Code OB Desc:	Overburden	***North83:***	4856673
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	5/9/1980	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932777267
Layer:	5
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	86
Formation End Depth:	165
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932777268
Layer:	6
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	05
Mat3 Desc:	CLAY

Formation Top Depth: 165
Formation End Depth: 176
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932777266
Layer: 4
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 46
Formation End Depth: 86
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932777264
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 81
Mat2 Desc: SANDY
Mat3:
Mat3 Desc:
Formation Top Depth: 1
Formation End Depth: 29
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932777265
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 29
Formation End Depth: 46
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932777269
Layer: 7
Color: 3
General Color: BLUE

Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	06
Mat3 Desc:	SILT
Formation Top Depth:	176
Formation End Depth:	240
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932777263
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966915787
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	11054912
Casing No:	1
Comment:	
Alt Name:	

Results of Well Yield Testing

Pump Test ID:	996915787
Pump Set At:	
Static Level:	39
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Water Details

Water ID:	933998989
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	170
Water Found Depth UOM:	ft

16 | ***1 of 1*** | ***WSW/0.0*** | ***205.3 / -11.34*** | ***lot 25 con 7 ON*** | ***WWIS***

Well ID:	6911690	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	11/23/1973
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1663
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	YORK AND TORONT
Elevation (m):		**Municipality:**	VAUGHAN TOWN (VAUGHAN TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	025
Well Depth:		**Concession:**	07
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/691\6911690.pdf

Bore Hole Information

Bore Hole ID:	10502320	**Elevation:**	208.747879
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	611674.7
Code OB Desc:	Overburden	**North83:**	4856483
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	8/13/1973	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932756676
Layer:	6
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	11

Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 118
Formation End Depth: 124
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932756674
Layer: 4
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 73
Formation End Depth: 90
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932756671
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 14
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932756673
Layer: 3
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 05
Mat2 Desc: CLAY
Mat3:
Mat3 Desc:
Formation Top Depth: 55
Formation End Depth: 73
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932756675

Layer:	5
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	11
Mat3 Desc:	GRAVEL
Formation Top Depth:	90
Formation End Depth:	118
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932756672
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	14
Formation End Depth:	55
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966911690
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	11050890
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930815127
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	120
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933391519
Layer:	1
Slot:	014

Screen Top Depth: 120
Screen End Depth: 124
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 5

Results of Well Yield Testing

Pump Test ID: 996911690
Pump Set At:
Static Level: 27
Final Level After Pumping: 110
Recommended Pump Depth: 70
Pumping Rate: 60
Flowing Rate:
Recommended Pump Rate: 20
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 3
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934881091
Test Type: Draw Down
Test Duration: 45
Test Level: 110
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935142731
Test Type: Draw Down
Test Duration: 60
Test Level: 110
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934630303
Test Type: Draw Down
Test Duration: 30
Test Level: 110
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934350606
Test Type: Draw Down
Test Duration: 15
Test Level: 110
Test Level UOM: ft

Water Details

Water ID: 933994937

Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	118
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
17	1 of 1	WSW/0.0	203.9 / -12.67	APPROX 290 M EAST OF KIPLING RD INTERSECTION ON TESTON RD KLEINBURG ON	WWIS

Well ID:	7276203	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	11/30/2016
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	7472
Casing Material:		**Form Version:**	7
Audit No:	Z244704	**Owner:**	
Tag:		**Street Name:**	APPROX 290 M EAST OF KIPLING RD INTERSECTION ON TESTON RD
Construction Method:		**County:**	YORK AND TORONT
Elevation (m):		**Municipality:**	VAUGHAN TOWN (VAUGHAN TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006299877	**Elevation:**	206.021453
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	611649
Code OB Desc:		**North83:**	4856513
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	8/5/2016	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Method of Construction & Well Use

Method Construction ID:	1006463212
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID: 1006463206
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006463210
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006463211
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Water Details

Water ID: 1006463209
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006463208
Diameter: 2
Depth From: 0
Depth To: 35
Hole Depth UOM: ft
Hole Diameter UOM: inch

18	1 of 1	SW/0.0	207.8 / -8.84	lot 25 con 7 ON	WWIS

Well ID: 6913854
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction

Data Entry Status:
Data Src: 1
Date Received: 2/22/1977
Selected Flag: Yes
Abandonment Rec:
Contractor: 1663
Form Version: 1
Owner:
Street Name:
County: YORK AND TORONT

Method:			
Elevation (m):		**Municipality:**	VAUGHAN TOWN (VAUGHAN TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	025
Well Depth:		**Concession:**	07
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/691\6913854.pdf

Bore Hole Information

Bore Hole ID:	10504434	**Elevation:**	213.009704
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	611714.7
Code OB Desc:	Overburden	**North83:**	4856423
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	9/23/1976	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932767371
Layer:	9
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	117
Formation End Depth:	157
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932767364
Layer:	2
Color:	5
General Color:	YELLOW
Mat1:	05
Most Common Material:	CLAY
Mat2:	81
Mat2 Desc:	SANDY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1

Formation End Depth: 14
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932767365
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 14
Formation End Depth: 34
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932767370
Layer: 8
Color: 2
General Color: GREY
Mat1: 08
Most Common Material: FINE SAND
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 88
Formation End Depth: 117
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932767368
Layer: 6
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 60
Formation End Depth: 76
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932767367
Layer: 5
Color: 3
General Color: BLUE
Mat1: 05

Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 51
Formation End Depth: 60
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932767366
Layer: 4
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 34
Formation End Depth: 51
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932767363
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932767369
Layer: 7
Color: 2
General Color: GREY
Mat1: 08
Most Common Material: FINE SAND
Mat2: 06
Mat2 Desc: SILT
Mat3:
Mat3 Desc:
Formation Top Depth: 76
Formation End Depth: 88
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966913854
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 11053004
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930817464
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 114
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933392823
Layer: 1
Slot: 010
Screen Top Depth: 114
Screen End Depth: 117
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 5

Results of Well Yield Testing

Pump Test ID: 996913854
Pump Set At:
Static Level: 57
Final Level After Pumping: 86
Recommended Pump Depth: 100
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 6
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 935147281
Test Type: Draw Down
Test Duration: 60
Test Level: 85

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934364735
Test Type: Draw Down
Test Duration: 15
Test Level: 84
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934625399
Test Type: Draw Down
Test Duration: 30
Test Level: 85
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934884485
Test Type: Draw Down
Test Duration: 45
Test Level: 85
Test Level UOM: ft

Water Details

Water ID: 933997014
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 90
Water Found Depth UOM: ft

---

19 | ***1 of 1*** | ***WSW/0.0*** | ***204.6 / -11.99*** | ***APPROX 280M EAST OF KIPLING RD INTERSECTION ON TESTON RD KLEINBURG ON*** | ***WWIS***

Well ID: 7276202
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z244703
Tag:

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

Data Entry Status:
Data Src:
Date Received: 11/30/2016
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 7472
Form Version: 7
Owner:
Street Name: APPROX 280M EAST OF KIPLING RD INTERSECTION ON TESTON RD
County: YORK AND TORONT

Municipality: VAUGHAN TOWN (VAUGHAN TWP)
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006299874	***Elevation:***	207.801513
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	611629
Code OB Desc:		***North83:***	4856511
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	8/5/2016	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr

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

Annular Space/Abandonment Sealing Record

Plug ID: 1006463202
Layer: 1
Plug From:
Plug To:
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1006463201
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1006463195
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006463199
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006463200
Layer:
Slot:

Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Water Details

Water ID: 1006463198
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006463197
Diameter: 0.7
Depth From: 0
Depth To: 36
Hole Depth UOM: ft
Hole Diameter UOM: inch

---

20 | **1 of 1** | **E/0.0** | **220.0 / 3.41** | **lot 25 con 7 ON** | **WWIS**

Well ID: 6915786
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 5/4/1981
Selected Flag: Yes
Abandonment Rec:
Contractor: 1663
Form Version: 1
Owner:
Street Name:
County: YORK AND TORONT
Municipality: VAUGHAN TOWN (VAUGHAN TWP)
Site Info:
Lot: 025
Concession: 07
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Bore Hole Information

Bore Hole ID: 10506341
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 6/25/1980

Elevation: 218.315612
Elevrc:
Zone: 17
East83: 612464.7
North83: 4856723
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m

Remarks: ***Location Method:*** p5
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 932777255
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932777257
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 23
Formation End Depth: 36
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932777261
Layer: 7
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 160
Formation End Depth: 181
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	932777256
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1
Formation End Depth:	23
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932777258
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	36
Formation End Depth:	48
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932777259
Layer:	5
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	48
Formation End Depth:	61
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932777262
Layer:	8
Color:	8
General Color:	BLACK
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	181
Formation End Depth:	195

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932777260
Layer: 6
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 61
Formation End Depth: 160
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966915786
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 11054911
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930819551
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 189
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933394094
Layer: 1
Slot: 025
Screen Top Depth: 189
Screen End Depth: 192
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 5

Results of Well Yield Testing

Pump Test ID: 996915786

Pump Set At:	
Static Level:	46
Final Level After Pumping:	180
Recommended Pump Depth:	160
Pumping Rate:	35
Flowing Rate:	
Recommended Pump Rate:	25
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934360514
Test Type:	Recovery
Test Duration:	15
Test Level:	46
Test Level UOM:	ft

Water Details

Water ID:	933998988
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	181
Water Found Depth UOM:	ft

---

21 ***1 of 1*** ***SW/0.0*** ***214.3 / -2.33*** ***lot 25 con 7 ON*** ***WWIS***

Well ID:	6918519	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	3/19/1987
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1663
Casing Material:		***Form Version:***	1
Audit No:	NA	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	YORK AND TORONT
Elevation (m):		***Municipality:***	VAUGHAN TOWN (VAUGHAN TWP)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	025
Well Depth:		***Concession:***	07
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/691\6918519.pdf

Bore Hole Information

Bore Hole ID:	10508847	**Elevation:**	216.217422
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	611702
Code OB Desc:	Overburden	**North83:**	4856392
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	3
Date Completed:	7/21/1986	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	gps

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

Overburden and Bedrock Materials Interval

Formation ID:	932791152
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	8
Formation End Depth:	67
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932791155
Layer:	5
Color:	2
General Color:	GREY
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	113
Formation End Depth:	126
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932791151
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	

Formation Top Depth: 0
Formation End Depth: 8
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932791157
Layer: 7
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 139
Formation End Depth: 155
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932791153
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3: 74
Mat3 Desc: LAYERED
Formation Top Depth: 67
Formation End Depth: 89
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932791156
Layer: 6
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 05
Mat2 Desc: CLAY
Mat3:
Mat3 Desc:
Formation Top Depth: 126
Formation End Depth: 139
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932791154
Layer: 4
Color: 3
General Color: BLUE

Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 89
Formation End Depth: 113
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933212590
Layer: 1
Plug From: 126
Plug To: 155
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966918519
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 11057417
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930822480
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 123
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933395781
Layer: 1
Slot: 012
Screen Top Depth: 123
Screen End Depth: 126
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 6

Results of Well Yield Testing

Pump Test ID: 996918519

Pump Set At:	
Static Level:	48
Final Level After Pumping:	120
Recommended Pump Depth:	120
Pumping Rate:	14
Flowing Rate:	
Recommended Pump Rate:	12
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934358334
Test Type:	Recovery
Test Duration:	15
Test Level:	48
Test Level UOM:	ft

Water Details

Water ID:	934001472
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	115
Water Found Depth UOM:	ft

---

22 | ***1 of 1*** | ***ENE/0.0*** | ***216.3 / -0.26*** | ***Mary.B.O'Connor.***
4820 Teston Road
Kleinburg ON L0J 1C0 | ***GEN***

Generator No:	ON3363402	**PO Box No:**	
Status:		**Country:**	
Approval Years:	02,03,04	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:			
SIC Description:			

Detail(s)

Waste Class:	221
Waste Class Desc:	LIGHT FUELS
Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES

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23 | ***1 of 1*** | ***SW/0.0*** | ***214.9 / -1.74*** | ***lot 25 con 7***
ON | ***WWIS***

Well ID:	6918132	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	7/21/1986
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	

Water Type:		**Contractor:**	3108
Casing Material:		**Form Version:**	1
Audit No:	NA	**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	YORK AND TORONT
Elevation (m):		**Municipality:**	VAUGHAN TOWN (VAUGHAN TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	025
Well Depth:		**Concession:**	07
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/691\6918132.pdf

Bore Hole Information

Bore Hole ID:	10508467	**Elevation:**	215.147979
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	611624
Code OB Desc:	Overburden	**North83:**	4856348
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	3
Date Completed:	6/10/1986	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	gps
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932788942
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	81
Mat2 Desc:	SANDY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	18
Formation End Depth:	100
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932788943
Layer:	3
Color:	3
General Color:	BLUE
Mat1:	28
Most Common Material:	SAND

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 100
Formation End Depth: 114
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932788941
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 18
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966918132
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 11057037
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930822035
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 109
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933395524
Layer: 1
Slot: 006
Screen Top Depth: 111
Screen End Depth: 114
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch

Screen Diameter: 6

Results of Well Yield Testing

Pump Test ID: 996918132
Pump Set At:
Static Level: 64
Final Level After Pumping: 109
Recommended Pump Depth: 113
Pumping Rate: 5
Flowing Rate:
Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 3
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 934001077
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 109
Water Found Depth UOM: ft

---

24 ***1 of 1*** ***WSW/0.0*** ***214.9 / -1.69*** ***ON*** **BORE**

Borehole ID: 589761
OGF ID: 215500356
Status: Unknown
Type: Outcrop
Use:
Completion Date:
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: .9
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 216
Elev Reliabil Note:
DEM Ground Elev m: 217
Concession:
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name: OGS-OLW-62-367
Municipality:
Lot:
Township:
Latitude DD: 43.852015
Longitude DD: -79.611954
UTM Zone: 17
Easting: 611562
Northing: 4856373
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218339825
Top Depth: 0
Bottom Depth: .9
Material Color:
Material 1: Till
Material 2: Sand

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:

Material 3: **Geologic Period:**
Material 4: **Depositional Gen:**
Gsc Material Description:
Stratum Description: Di sa **Note: Many records provided by the department have a truncated [Stratum Description] field.

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Ontario Geological Survey	**Source Iden:**	6
Source Date:	Varies to 2004	**Scale or Res:**	1:50,000
Confidence:	H	**Horizontal:**	NAD83
Observatio:		**Verticalda:**	Mean Average Sea Level

Source Name: Ontario Geological Survey Fieldwork Mapping
Source Details: YPDT Master Database A: -1856743529
Confiden 1: Location taken from OGS 1:50,000 maps by CAMC staff or consultants.

Source List

Source Identifier:	6	**Horizontal Datum:**	NAD83
Source Type:	Data Survey	**Vertical Datum:**	Mean Average Sea Level
Source Date:	Varies to 2004	**Projection Name:**	Universal Transvers Mercator
Scale or Resolution:	1:50,000		

Source Name: Ontario Geological Survey Fieldwork Mapping
Source Originators: Ontario Geological Survey

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
25	1 of 1	WSW/0.0	215.8 / -0.79	50 HIGH VALLEY CRT lot 25 con 7 KLEINBURG ON	WWIS

Well ID:	6930685	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Domestic	**Date Received:**	9/26/2006
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1663
Casing Material:		**Form Version:**	3
Audit No:	Z51514	**Owner:**	
Tag:	A042062	**Street Name:**	50 HIGH VALLEY CRT
Construction Method:		**County:**	YORK AND TORONT
Elevation (m):		**Municipality:**	VAUGHAN TOWN (VAUGHAN TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	025
Well Depth:		**Concession:**	07
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/693\6930685.pdf

Bore Hole Information

Bore Hole ID:	11695929	**Elevation:**	217.676254
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	611500
Code OB Desc:	Overburden	**North83:**	4856417
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	6/20/2006	**UTMRC Desc:**	margin of error : 10 - 30 m

Remarks: ***Location Method:*** wwr
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 933082962
Layer: 3
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 6.4
Formation End Depth: 9.75
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 933082965
Layer: 6
Color: 2
General Color: GREY
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 10
Mat2 Desc: COARSE SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 17.37
Formation End Depth: 22.25
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 933082964
Layer: 5
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 05
Mat2 Desc: CLAY
Mat3:
Mat3 Desc:
Formation Top Depth: 16.15
Formation End Depth: 17.37
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID:	933082960
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	4.87
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	933082963
Layer:	4
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	9.75
Formation End Depth:	16.15
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	933082961
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	4.87
Formation End Depth:	6.4
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933308458
Layer:	1
Plug From:	0
Plug To:	6
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	966930685
Method Construction Code:	2

Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 11700795
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930892393
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: 0
Depth To: 20.4
Casing Diameter: 6.25
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 933421707
Layer: 1
Slot: 18
Screen Top Depth: 20.4
Screen End Depth: 21.9
Screen Material: 1
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 6

Results of Well Yield Testing

Pump Test ID: 11704183
Pump Set At:
Static Level: 14.2
Final Level After Pumping: 16.2
Recommended Pump Depth: 20
Pumping Rate: 36.3
Flowing Rate:
Recommended Pump Rate: 60
Levels UOM: m
Rate UOM: LPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method:
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 11709713
Test Type: Recovery
Test Duration: 10
Test Level: 14.3
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11709715
Test Type: Draw Down
Test Duration: 20
Test Level: 16.49
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11709572
Test Type: Recovery
Test Duration: 5
Test Level: 14.4
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11709568
Test Type: Recovery
Test Duration: 3
Test Level: 14.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11709566
Test Type: Recovery
Test Duration: 2
Test Level: 14.6
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11709569
Test Type: Draw Down
Test Duration: 4
Test Level: 16.6
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11709712
Test Type: Draw Down
Test Duration: 10
Test Level: 16.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11709571
Test Type: Draw Down
Test Duration: 5
Test Level: 16.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11709563
Test Type: Draw Down

Test Duration: 1
Test Level: 16.7
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11709564
Test Type: Recovery
Test Duration: 1
Test Level: 15.1
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11709565
Test Type: Draw Down
Test Duration: 2
Test Level: 16.8
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11709717
Test Type: Draw Down
Test Duration: 60
Test Level: 16.2
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11709567
Test Type: Draw Down
Test Duration: 3
Test Level: 16.6
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11709570
Test Type: Recovery
Test Duration: 4
Test Level: 14.4
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11709716
Test Type: Draw Down
Test Duration: 30
Test Level: 16.42
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11709714
Test Type: Draw Down
Test Duration: 15
Test Level: 16.5
Test Level UOM: m

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

Water Details

Water ID:	934082190
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	17
Water Found Depth UOM:	m

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26 | ***1 of 1*** | ***WSW/0.0*** | ***214.0 / -2.64*** | ***lot 25 con 7 ON*** | ***WWIS***

Well ID:	6918792	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/21/1987
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4778
Casing Material:		***Form Version:***	1
Audit No:	07411	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	YORK AND TORONT
Elevation (m):		***Municipality:***	VAUGHAN TOWN (VAUGHAN TWP)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	025
Well Depth:		***Concession:***	07
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/691\6918792.pdf

Bore Hole Information

Bore Hole ID:	10509118	***Elevation:***	217.290115
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	611543
Code OB Desc:	Overburden	***North83:***	4856352
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	3
Date Completed:	2/2/1987	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	gps
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932792819
Layer:	5
Color:	3
General Color:	BLUE
Mat1:	06

Most Common Material: SILT
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 93
Formation End Depth: 98
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932792818
Layer: 4
Color:
General Color:
Mat1: 08
Most Common Material: FINE SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 87
Formation End Depth: 93
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932792821
Layer: 7
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 101
Formation End Depth: 143
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932792816
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 30
Formation End Depth: 65
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932792815
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 30
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932792817
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 06
Mat2 Desc: SILT
Mat3:
Mat3 Desc:
Formation Top Depth: 65
Formation End Depth: 87
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932792820
Layer: 6
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 98
Formation End Depth: 101
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966918792
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 11057688
Casing No: 1
Comment:

Alt Name:

Construction Record - Casing

Casing ID:	930822769
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	98
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930822770
Layer:	3
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	143
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930822768
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	87
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933395979
Layer:	1
Slot:	003
Screen Top Depth:	87
Screen End Depth:	96
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	6

Results of Well Yield Testing

Pump Test ID:	996918792
Pump Set At:	
Static Level:	53
Final Level After Pumping:	101
Recommended Pump Depth:	140
Pumping Rate:	8
Flowing Rate:	
Recommended Pump Rate:	8
Levels UOM:	ft
Rate UOM:	GPM

Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	4
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934626077
Test Type:	
Test Duration:	30
Test Level:	90
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934884058
Test Type:	
Test Duration:	45
Test Level:	92
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934358959
Test Type:	
Test Duration:	15
Test Level:	87
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935140889
Test Type:	
Test Duration:	60
Test Level:	94
Test Level UOM:	ft

Water Details

Water ID:	934001747
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	87
Water Found Depth UOM:	ft

Water Details

Water ID:	934001748
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	98
Water Found Depth UOM:	ft

27	***1 of 1***	***W/0.0***	***214.9 / -1.70***	***ON***	***BORE***

Borehole ID:	590996	**Inclin FLG:**	No
OGF ID:	215501591	**SP Status:**	Initial Entry
Status:	Unknown	**Surv Elev:**	No
Type:	Outcrop	**Piezometer:**	No
Use:		**Primary Name:**	OGS-OLW-62-361
Completion Date:		**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	43.854746
Total Depth m:	1.5	**Longitude DD:**	-79.61438
Depth Ref:	Ground Surface	**UTM Zone:**	17
Depth Elev:		**Easting:**	611362
Drill Method:		**Northing:**	4856673
Orig Ground Elev m:	215	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	215		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218339823	**Mat Consistency:**	
Top Depth:	.3	**Material Moisture:**	
Bottom Depth:	.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description: clay, silty clay
Stratum Description: cl si **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	218339821	**Mat Consistency:**	
Top Depth:	.6	**Material Moisture:**	
Bottom Depth:	1.5	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Fine Sand	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description: sand, silty sand, topsoil
Stratum Description: fsa si **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	218339822	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:	Fine Sand	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: si fsa **Note: Many records provided by the department have a truncated [Stratum Description] field.

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Ontario Geological Survey	**Source Iden:**	6
Source Date:	Varies to 2004	**Scale or Res:**	1:50,000
Confidence:	H	**Horizontal:**	NAD83
Observatio:		**Verticalda:**	Mean Average Sea Level

Source Name: Ontario Geological Survey Fieldwork Mapping

Source Details: YPDT Master Database A: 1560621441
Confiden 1: Location taken from OGS 1:50,000 maps by CAMC staff or consultants.

Source List

Source Identifier: 6
Source Type: Data Survey
Source Date: Varies to 2004
Scale or Resolution: 1:50,000
Source Name: Ontario Geological Survey Fieldwork Mapping
Source Originators: Ontario Geological Survey
Horizontal Datum: NAD83
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transvers Mercator

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28 | **1 of 1** | **WSW/0.0** | **212.0 / -4.58** | **lot 25 con 7 ON** | **WWIS**

Well ID: 6920231
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Abandoned-Supply
Water Type:
Casing Material:
Audit No: NA
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Data Entry Status:
Data Src: 1
Date Received: 3/10/1989
Selected Flag: Yes
Abandonment Rec:
Contractor: 1663
Form Version: 1
Owner:
Street Name:
County: YORK AND TORONT
Municipality: VAUGHAN TOWN (VAUGHAN TWP)
Site Info:
Lot: 025
Concession: 07
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/692\6920231.pdf

Bore Hole Information

Bore Hole ID: 10510550
DP2BR: 44
Spatial Status:
Code OB: h
Code OB Desc: Mixed in a Layer
Open Hole:
Cluster Kind:
Date Completed: 9/10/1988
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation: 216.858367
Elevrc:
Zone: 17
East83: 611484
North83: 4856316
Org CS:
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: gps

Overburden and Bedrock Materials Interval

Formation ID: 932801147
Layer: 10

Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	139
Formation End Depth:	208
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932801146
Layer:	9
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	98
Formation End Depth:	139
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932801138
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	01
Most Common Material:	FILL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932801141
Layer:	4
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	10
Formation End Depth:	31
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932801144
Layer:	7
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	58
Formation End Depth:	64
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932801149
Layer:	12
Color:	2
General Color:	GREY
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	218
Formation End Depth:	225
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932801148
Layer:	11
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	208
Formation End Depth:	218
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932801145
Layer:	8
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	05
Mat2 Desc:	CLAY

Mat3: 08
Mat3 Desc: FINE SAND
Formation Top Depth: 64
Formation End Depth: 98
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932801143
Layer: 6
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 41
Mat2 Desc: GNEISS
Mat3:
Mat3 Desc:
Formation Top Depth: 44
Formation End Depth: 58
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932801140
Layer: 3
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 7
Formation End Depth: 10
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932801139
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 4
Formation End Depth: 7
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932801142
Layer: 5

Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	31
Formation End Depth:	44
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933213141
Layer:	1
Plug From:	0
Plug To:	225
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966920231
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	11059120
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930824445
Layer:	1
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

29 | ***1 of 1*** | ***E/0.0*** | ***217.9 / 1.27*** | ***APPOX 1.4KM E ON TESTON RD FROM INTERSECTION WITH KIPLING RD KLEINBURG ON*** | ***WWIS***

Well ID:	7276209	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	11/30/2016
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	7472
Casing Material:		**Form Version:**	7
Audit No:	Z244710	**Owner:**	
Tag:		**Street Name:**	APPOX 1.4KM E ON TESTON RD FROM INTERSECTION WITH KIPLING RD

Construction Method:		***County:***	YORK AND TORONT
Elevation (m):		***Municipality:***	VAUGHAN TOWN (VAUGHAN TWP)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006299895	***Elevation:***	217.921188
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	612685
Code OB Desc:		***North83:***	4856836
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	8/5/2016	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Method of Construction & Well Use

Method Construction ID:	1006463292
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1006463285
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006463290
Layer:	
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006463291
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Water Details

Water ID:	1006463289
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006463287
Diameter:	6
Depth From:	0
Depth To:	6
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Hole Diameter

Hole ID:	1006463288
Diameter:	2
Depth From:	6
Depth To:	20
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

---

30 **1 of 1** **WSW/0.0** **212.7 / -3.94** **lot 25 con 7 ON** **WWIS**

Well ID:	6920229	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	3/9/1989
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1663
Casing Material:		**Form Version:**	1
Audit No:	26460	**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	YORK AND TORONT
Elevation (m):		**Municipality:**	VAUGHAN TOWN (VAUGHAN TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	025
Well Depth:		**Concession:**	07
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/692\6920229.pdf

Bore Hole Information

Bore Hole ID:	10510548	***Elevation:***	216.710586
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	611452
Code OB Desc:	Overburden	***North83:***	4856311
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	2
Date Completed:	6/3/1988	***UTMRC Desc:***	margin of error : 3 - 10 m
Remarks:		***Location Method:***	gps

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

Overburden and Bedrock Materials Interval

Formation ID:	932801118
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	3
Formation End Depth:	34
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932801121
Layer:	5
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	10
Mat3 Desc:	COARSE SAND
Formation Top Depth:	48
Formation End Depth:	54
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932801125
Layer:	9
Color:	3
General Color:	BLUE
Mat1:	05

Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 87
Formation End Depth: 95
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932801120
Layer: 4
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 42
Formation End Depth: 48
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932801123
Layer: 7
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 62
Formation End Depth: 69
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932801119
Layer: 3
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 34
Formation End Depth: 42
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932801117
Layer: 1
Color: 6
General Color: BROWN
Mat1: 01
Most Common Material: FILL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 3
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932801122
Layer: 6
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 54
Formation End Depth: 62
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932801124
Layer: 8
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 69
Formation End Depth: 87
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933213137
Layer: 1
Plug From: 0
Plug To: 83
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933213138

Layer: 2
Plug From: 86
Plug To: 95
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966920229
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 11059118
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930824443
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 83
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933396977
Layer: 1
Slot: 012
Screen Top Depth: 83
Screen End Depth: 86
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 6

Results of Well Yield Testing

Pump Test ID: 996920229
Pump Set At:
Static Level: 18
Final Level After Pumping: 80
Recommended Pump Depth: 80
Pumping Rate: 3
Flowing Rate:
Recommended Pump Rate: 3
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID:	934003084
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	69
Water Found Depth UOM:	ft

---

31 ***1 of 1*** ***WSW/0.0*** ***213.2 / -3.35*** ***ON*** ***BORE***

Borehole ID:	590495	***Inclin FLG:***	No
OGF ID:	215501090	***SP Status:***	Initial Entry
Status:	Unknown	***Surv Elev:***	No
Type:	Outcrop	***Piezometer:***	No
Use:		***Primary Name:***	OGS-OLW-62-368
Completion Date:		***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	43.852945
Total Depth m:	2.1	***Longitude DD:***	-79.614421
Depth Ref:	Ground Surface	***UTM Zone:***	17
Depth Elev:		***Easting:***	611362
Drill Method:		***Northing:***	4856473
Orig Ground Elev m:	212	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	212		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218339826	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	2.1	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Fine Sand	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:	sand, silty sand, topsoil		
Stratum Description:	fsa **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

Source Type:	Data Survey	***Source Appl:***	Spatial/Tabular
Source Orig:	Ontario Geological Survey	***Source Iden:***	6
Source Date:	Varies to 2004	***Scale or Res:***	1:50,000
Confidence:	H	***Horizontal:***	NAD83
Observatio:		***Verticalda:***	Mean Average Sea Level
Source Name:	Ontario Geological Survey Fieldwork Mapping		
Source Details:	YPDT Master Database A: 224758900		
Confiden 1:	Location taken from OGS 1:50,000 maps by CAMC staff or consultants.		

Source List

Source Identifier:	6	***Horizontal Datum:***	NAD83

Source Type:	Data Survey	**Vertical Datum:**	Mean Average Sea Level
Source Date:	Varies to 2004	**Projection Name:**	Universal Transvers Mercator
Scale or Resolution:	1:50,000		
Source Name:	Ontario Geological Survey Fieldwork Mapping		
Source Originators:	Ontario Geological Survey		

32 | **1 of 1** | **WSW/0.0** | **212.2 / -4.40** | **NE CORNER OF INTERSECTION OF KIPLING AVE AND TESTON RD KLEINBURG ON** | **WWIS**

Well ID:	7276201	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	11/30/2016
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	7472
Casing Material:		**Form Version:**	7
Audit No:	Z244702	**Owner:**	
Tag:		**Street Name:**	NE CORNER OF INTERSECTION OF KIPLING AVE AND TESTON RD
Construction Method:		**County:**	YORK AND TORONT
Elevation (m):		**Municipality:**	VAUGHAN TOWN (VAUGHAN TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006299871	**Elevation:**	212.82167
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	611375
Code OB Desc:		**North83:**	4856433
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	7/21/2016	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Method of Construction & Well Use

Method Construction ID:	1006463155
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID: 1006463142
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006463146
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006463149
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Water Details

Water ID: 1006463145
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006463144
Diameter: 2
Depth From: 0
Depth To: 20
Hole Depth UOM: ft
Hole Diameter UOM: inch

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33 | **1 of 2** | **WSW/0.0** | **211.4 / -5.23** | **10970 10980 KIPLING KLEINBURG ON** | **WWIS**

Well ID: 7269352
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z239810
Tag:
Construction

Data Entry Status:
Data Src:
Date Received: 8/18/2016
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 7472
Form Version: 7
Owner:
Street Name: 10970 10980 KIPLING
County: YORK AND TORONT

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

Municipality: VAUGHAN TOWN (VAUGHAN TWP)
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Bore Hole Information

Bore Hole ID: 1006221999
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 5/30/2016
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 210.617691
Elevrc:
Zone: 17
East83: 611343
North83: 4856443
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1006234504
Layer: 1
Plug From: 0
Plug To: 50
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1006234503
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1006234497
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006234501
Layer:
Material:
Open Hole or Material:

Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006234502
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Water Details

Water ID: 1006234500
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006234499
Diameter: 2
Depth From: 0
Depth To: 50
Hole Depth UOM: ft
Hole Diameter UOM: inch

---

33 ***2 of 2*** ***WSW/0.0*** ***211.4 / -5.23*** ***10970 10980 KIPLING AVENUE KLEINBURG ON*** ***WWIS***

Well ID: 7269351
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z239809
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 8/18/2016
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 7472
Form Version: 7
Owner:
Street Name: 10970 10980 KIPLING AVENUE
County: YORK AND TORONT

Municipality: VAUGHAN TOWN (VAUGHAN TWP)
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006221996	***Elevation:***	210.617691
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	611343
Code OB Desc:		***North83:***	4856443
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	5/30/2016	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr

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

Annular Space/Abandonment Sealing Record

Plug ID:	1006234496
Layer:	1
Plug From:	0
Plug To:	25
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1006234495
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1006234489
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006234493
Layer:	
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006234494
Layer:	
Slot:	
Screen Top Depth:	

Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Water Details

Water ID: 1006234492
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006234491
Diameter: 2
Depth From: 0
Depth To: 25
Hole Depth UOM: ft
Hole Diameter UOM: inch

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34 | ***1 of 1*** | ***W/0.0*** | ***214.9 / -1.66*** | ***10970 10980 KIPLING AVENUE KLEINBURG ON*** | ***WWIS***

Well ID: 7269350
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z239818
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 8/18/2016
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 7472
Form Version: 7
Owner:
Street Name: 10970 10980 KIPLING AVENUE
County: YORK AND TORONT
Municipality: VAUGHAN TOWN (VAUGHAN TWP)
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Bore Hole Information

Bore Hole ID: 1006222687
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 5/30/2016
Remarks:

Elevation: 215.20375
Elevrc:
Zone: 17
East83: 611287
North83: 4856680
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

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

Annular Space/Abandonment Sealing Record

Plug ID: 1006234488
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1006234487
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1006234481
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006234485
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006234486
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Water Details

Water ID: 1006234484
Layer:
Kind Code:
Kind:

Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006234483
Diameter: 2
Depth From: 0
Depth To: 20
Hole Depth UOM: ft
Hole Diameter UOM: inch

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35 | ***1 of 1*** | ***ENE/0.0*** | ***225.4 / 8.80*** | ***lot 26 con 7 ON*** | ***WWIS***

Well ID: 6906949
Construction Date:
Primary Water Use: Livestock
Sec. Water Use: Domestic
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 3/3/1954
Selected Flag: Yes
Abandonment Rec:
Contractor: 1622
Form Version: 1
Owner:
Street Name:
County: YORK AND TORONT
Municipality: VAUGHAN TOWN (VAUGHAN TWP)
Site Info:
Lot: 026
Concession: 07
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/690\6906949.pdf

Bore Hole Information

Bore Hole ID: 10497646
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 12/3/1953
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 226.258255
Elevrc:
Zone: 17
East83: 612630.7
North83: 4857125
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 932736501
Layer: 1

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

Overburden and Bedrock Materials Interval

Formation ID: 932736508
Layer: 8
Color: 3
General Color: BLUE
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 05
Mat2 Desc: CLAY
Mat3:
Mat3 Desc:
Formation Top Depth: 182
Formation End Depth: 185
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932736503
Layer: 3
Color: 5
General Color: YELLOW
Mat1: 05
Most Common Material: CLAY
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 26
Formation End Depth: 67
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932736505
Layer: 5
Color: 3
General Color: BLUE
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 71
Formation End Depth: 76
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	932736507
Layer:	7
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	102
Formation End Depth:	182
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932736502
Layer:	2
Color:	5
General Color:	YELLOW
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1
Formation End Depth:	26
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932736504
Layer:	4
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	09
Mat2 Desc:	MEDIUM SAND
Mat3:	12
Mat3 Desc:	STONES
Formation Top Depth:	67
Formation End Depth:	71
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932736509
Layer:	9
Color:	3
General Color:	BLUE
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	
Mat2 Desc:	

Mat3:
Mat3 Desc:
Formation Top Depth: 185
Formation End Depth: 197
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932736506
Layer: 6
Color: 3
General Color: BLUE
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 05
Mat2 Desc: CLAY
Mat3: 12
Mat3 Desc: STONES
Formation Top Depth: 76
Formation End Depth: 102
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966906949
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 11046216
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930810045
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 191
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933389052
Layer: 1
Slot: 006
Screen Top Depth: 191
Screen End Depth: 196
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 4

Results of Well Yield Testing

Pump Test ID:	996906949
Pump Set At:	
Static Level:	57
Final Level After Pumping:	87
Recommended Pump Depth:	
Pumping Rate:	8
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	2
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933990332
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	185
Water Found Depth UOM:	ft

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36 ***1 of 1*** ***WSW/0.0*** ***204.5 / -12.13*** ***HWY 27 & LANGSTAFF RD VAUGHAN ON*** ***WWIS***

Well ID:	7232729	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Monitoring and Test Hole	***Date Received:***	11/28/2014
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Monitoring and Test Hole	***Abandonment Rec:***	
Water Type:		***Contractor:***	7247
Casing Material:		***Form Version:***	7
Audit No:	Z191232	***Owner:***	
Tag:	A167205	***Street Name:***	HWY 27 & LANGSTAFF RD
Construction Method:		***County:***	YORK AND TORONT
Elevation (m):		***Municipality:***	VAUGHAN TOWN (VAUGHAN TWP)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/723\7232729.pdf

Bore Hole Information

Bore Hole ID:	1005243956	***Elevation:***	203.725616
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	611189
Code OB Desc:		***North83:***	4856367

Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	9/2/2014	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005471660
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Mat2 Desc:	SILT
Mat3:	28
Mat3 Desc:	SAND
Formation Top Depth:	0
Formation End Depth:	1.5
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005471661
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Mat2 Desc:	SILT
Mat3:	28
Mat3 Desc:	SAND
Formation Top Depth:	1.5
Formation End Depth:	5.3
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005471669
Layer:	1
Plug From:	0
Plug To:	13
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1005471668
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1005471659
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1005471664
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	15
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1005471665
Layer:	1
Slot:	10
Screen Top Depth:	15
Screen End Depth:	25
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.125

Water Details

Water ID:	1005471663
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1005471662
Diameter:	6
Depth From:	0
Depth To:	25
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

37	1 of 1	WSW/0.0	205.6 / -10.96	lot 25 con 8 ON	WWIS

Well ID:	6907089	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	4/18/1950
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4841
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	

Construction Method:		**County:**	YORK AND TORONT
Elevation (m):		**Municipality:**	VAUGHAN TOWN (VAUGHAN TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	025
Well Depth:		**Concession:**	08
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/690\6907089.pdf

Bore Hole Information

Bore Hole ID:	10497785	**Elevation:**	206.541595
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	611138.7
Code OB Desc:	Overburden	**North83:**	4856349
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	10/20/1949	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932737191
Layer:	3
Color:	2
General Color:	GREY
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12
Formation End Depth:	30
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932737189
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	

Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932737193
Layer: 5
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 48
Formation End Depth: 52
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932737192
Layer: 4
Color: 2
General Color: GREY
Mat1: 08
Most Common Material: FINE SAND
Mat2: 06
Mat2 Desc: SILT
Mat3:
Mat3 Desc:
Formation Top Depth: 30
Formation End Depth: 48
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932737190
Layer: 2
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 2
Formation End Depth: 12
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932737194
Layer: 6
Color:
General Color:

Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 52
Formation End Depth: 56
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966907089
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 11046355
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930810221
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 52
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933389089
Layer: 1
Slot:
Screen Top Depth: 52
Screen End Depth: 56
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 6.25

Results of Well Yield Testing

Pump Test ID: 996907089
Pump Set At:
Static Level: 30
Final Level After Pumping: 48
Recommended Pump Depth:
Pumping Rate: 94
Flowing Rate:
Recommended Pump Rate: 94
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1

Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	19
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933990451
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	56
Water Found Depth UOM:	ft

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38 | ***1 of 1*** | ***WSW/0.0*** | ***207.5 / -9.12*** | ***10970 10980 KIPLING AVENUE KLEINBURG ON*** | ***WWIS***

Well ID:	7269337	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	8/18/2016
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	
Water Type:		**Contractor:**	7472
Casing Material:		**Form Version:**	7
Audit No:	Z239803	**Owner:**	
Tag:		**Street Name:**	10970 10980 KIPLING AVENUE
Construction Method:		**County:**	YORK AND TORONT
Elevation (m):		**Municipality:**	VAUGHAN TOWN (VAUGHAN TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006222243	**Elevation:**	208.52449
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	611117
Code OB Desc:		**North83:**	4856372
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	5/26/2016	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID: 1006234353
Layer: 1
Plug From: 0
Plug To: 48
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1006234352
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1006234346
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006234350
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006234351
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Water Details

Water ID: 1006234349
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006234348
Diameter: 0.7
Depth From: 0
Depth To: 48

Hole Depth UOM: ft
Hole Diameter UOM: inch

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39 | **1 of 1** | **WSW/0.0** | **209.5 / -7.13** | **TESTON ROAD & KIPLING AVENUE APPROX. 300M W OF KIPLING & 45M N OF TESTON ON** | **WWIS**

Well ID: 7239034
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z208538
Tag: A176191

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

PDF URL (Map):

Data Entry Status:
Data Src:
Date Received: 3/30/2015
Selected Flag: Yes
Abandonment Rec:
Contractor: 7472
Form Version: 7
Owner:
Street Name: TESTON ROAD & KIPLING AVENUE APPROX. 300M W OF KIPLING & 45M N OF TESTON
County: YORK AND TORONT
Municipality: VAUGHAN TOWN (VAUGHAN TWP)
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1005317747
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 2/20/2015
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 209.392684
Elevrc:
Zone: 17
East83: 611093
North83: 4856399
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1005572806
Layer: 3
Color: 6
General Color: BROWN
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Mat2 Desc:
Mat3: 77

Mat3 Desc:	LOOSE
Formation Top Depth:	12.2
Formation End Depth:	15.9
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005572804
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	0
Formation End Depth:	3.1
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005572805
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	10
Most Common Material:	COARSE SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	12
Mat3 Desc:	STONES
Formation Top Depth:	3.1
Formation End Depth:	12.2
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005572814
Layer:	2
Plug From:	12.6
Plug To:	15.9
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005572813
Layer:	1
Plug From:	0
Plug To:	12.6
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1005572812
Method Construction Code:	6

Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 1005572803
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005572809
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 12.9
Casing Diameter: 5.2
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1005572810
Layer: 1
Slot: 10
Screen Top Depth: 12.9
Screen End Depth: 15.9
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 6.4

Water Details

Water ID: 1005572808
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1005572807
Diameter: 21
Depth From: 0
Depth To: 15.9
Hole Depth UOM: m
Hole Diameter UOM: cm

40	1 of 1	WSW/0.0	209.9 / -6.74	TESTON & KIPLING AVENUE APPROX. 300M W OF KIPLING & 45M N OF TESTON Vaughan ON	WWIS

Well ID: 7239033
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:
Final Well Status: Observation Wells
Data Entry Status:
Data Src:
Date Received: 3/30/2015
Selected Flag: Yes
Abandonment Rec:

Water Type:		**Contractor:**	7472
Casing Material:		**Form Version:**	7
Audit No:	Z208536	**Owner:**	
Tag:	A176190	**Street Name:**	TESTON & KIPLING AVENUE APPROX. 300M W OF KIPLING & 45M N OF TESTON
Construction Method:		**County:**	YORK AND TORONT
Elevation (m):		**Municipality:**	VAUGHAN TOWN (VAUGHAN TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1005317744	**Elevation:**	210.324005
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	611084
Code OB Desc:		**North83:**	4856381
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	2/20/2015	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005572778
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	0
Formation End Depth:	3.1
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005572779
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	10

Most Common Material:	COARSE SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	12
Mat3 Desc:	STONES
Formation Top Depth:	3.1
Formation End Depth:	13.7
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005572787
Layer:	2
Plug From:	10.4
Plug To:	13.7
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005572786
Layer:	1
Plug From:	0
Plug To:	10.4
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1005572785
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	1005572777
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1005572782
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	10.7
Casing Diameter:	5.2
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1005572783
Layer:	1
Slot:	10
Screen Top Depth:	10.7
Screen End Depth:	13.7

Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.4

Water Details

Water ID:	1005572781
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1005572780
Diameter:	21
Depth From:	0
Depth To:	13.7
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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41 | ***1 of 1*** | ***WSW/0.0*** | ***209.8 / -6.77*** | ***APPROX 280M WEST OF KIPLING AVE ON TESTON RD KLEINBURG ON*** | ***WWIS***

Well ID:	7276200	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	11/30/2016
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	7472
Casing Material:		**Form Version:**	7
Audit No:	Z244727	**Owner:**	
Tag:		**Street Name:**	APPROX 280M WEST OF KIPLING AVE ON TESTON RD
Construction Method:		**County:**	YORK AND TORONT
Elevation (m):		**Municipality:**	VAUGHAN TOWN (VAUGHAN TWP)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006299868	**Elevation:**	207.284729
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	611092
Code OB Desc:		**North83:**	4856339
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	7/21/2016	**UTMRC Desc:**	margin of error : 30 m - 100 m

Remarks: ***Location Method:*** wwr
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Method of Construction & Well Use

Method Construction ID: 1006463138
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1006463132
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006463136
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006463137
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Water Details

Water ID: 1006463135
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006463134
Diameter: 2
Depth From: 0

Depth To: 40
Hole Depth UOM: ft
Hole Diameter UOM: inch

---

42 | 1 of 1 | W/0.0 | 213.2 / -3.40 | 10970 10980 KIPLING AVENUE KLEINBURG ON | WWIS

Well ID: 7269338
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z239820
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 8/18/2016
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 7472
Form Version: 7
Owner:
Street Name: 10970 10980 KIPLING AVENUE
County: YORK AND TORONT

Municipality: VAUGHAN TOWN (VAUGHAN TWP)
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Bore Hole Information

Bore Hole ID: 1006222258
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 5/30/2016
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 212.44577
Elevrc:
Zone: 17
East83: 611002
North83: 4856581
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1006234361
Layer: 1
Plug From: 0
Plug To: 19
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1006234360

Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1006234354
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006234358
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006234359
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Water Details

Water ID: 1006234357
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006234356
Diameter: 0.8
Depth From: 0
Depth To: 19
Hole Depth UOM: ft
Hole Diameter UOM: inch

Unplottable Summary

Total: 10 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	VAUGHAN CITY	SWM-KIPLING AVE.RECONSTRUCTION	VAUGHAN CITY ON	
CA	674266 ONTARIO INC.	KIPLING AVE./RIVERVIEW GARDENS	VAUGHAN TOWN ON	
CA	TAMUVA HOLDINGS INC.	KIPLING AVE./RIVERVIEW GARDENS	VAUGHAN TOWN ON	
CA	CULTURAL & EDUCATIONAL CENTRE OF THE MIN	PRIVATE/INT. DRIVEWAY/KIPLING	VAUGHAN TOWN ON	
CA	674266 ONTARIO INC.	KIPLING AVE. S.W.QUALITY POND	VAUGHAN TOWN ON	
GEN	YORK, REGIONAL MUNICIPALITY OF	HUMBER SEWAGE PUMPING STATION PART OF LOT 26, CON. 7	VAUGHAN ON	
GEN	YORK, REGIONAL MUNICIPALITY OF	HUMBER SEWAGE PUMPING STATION PART OF LOT 26, CON. 7	VAUGHAN ON	
GEN	YORK, REGIONAL MUNICIPALITY OF	HUMBER SEWAGE PUMPING STATION PART OF LOT 26, CON. 7	VAUGHAN ON	
GEN	YORK, REGIONAL MUNICIPALITY OF	HUMBER SEWAGE PUMPING STATION PART OF LOT 26, CON. 7	VAUGHAN ON	
SPL	Enbridge Gas Distribution	Teston Road at Cold Creek	Vaughan ON	

Unplottable Report

Site: ***VAUGHAN CITY***
SWM-KIPLING AVE.RECONSTRUCTION VAUGHAN CITY ON

Database: ***CA***

Certificate #: 3-0835-99-
Application Year: 99
Issue Date: 7/21/1999
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***674266 ONTARIO INC.***
KIPLING AVE./RIVERVIEW GARDENS VAUGHAN TOWN ON

Database: ***CA***

Certificate #: 3-0520-93-
Application Year: 93
Issue Date: 6/1/1993
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***TAMUVA HOLDINGS INC.***
KIPLING AVE./RIVERVIEW GARDENS VAUGHAN TOWN ON

Database: ***CA***

Certificate #: 3-0519-93-
Application Year: 93
Issue Date: 6/1/1993
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***CULTURAL & EDUCATIONAL CENTRE OF THE MIN***
PRIVATE/INT. DRIVEWAY/KIPLING VAUGHAN TOWN ON

Database: ***CA***

Certificate #: 7-1077-90-

Application Year: 90
Issue Date: 11/23/1990
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***674266 ONTARIO INC.***
KIPLING AVE. S.W.QUALITY POND VAUGHAN TOWN ON

Database: ***CA***

Certificate #: 3-0521-93-
Application Year: 93
Issue Date: 11/2/1993
Approval Type: Municipal sewage
Status: Revised
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***YORK, REGIONAL MUNICIPALITY OF***
HUMBER SEWAGE PUMPING STATION PART OF LOT 26, CON. 7 VAUGHAN ON

Database: ***GEN***

Generator No: ON0722325
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 913910
SIC Description: Other Local Municipal and Regional Public Administration

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

Detail(s)

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Site: ***YORK, REGIONAL MUNICIPALITY OF***
HUMBER SEWAGE PUMPING STATION PART OF LOT 26, CON. 7 VAUGHAN ON

Database: ***GEN***

Generator No: ON0722325
Status:
Approval Years: 99,00,01,02,03,04,05,06,07,08
Contam. Facility:
MHSW Facility:
SIC Code: 8373
SIC Description: ENVIRON. ADMIN.

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

Detail(s)

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Site: ***YORK, REGIONAL MUNICIPALITY OF***
HUMBER SEWAGE PUMPING STATION PART OF LOT 26, CON. 7 VAUGHAN ON

Database: ***GEN***

Generator No: ON0722325
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 913910
SIC Description: Other Local Municipal and Regional Public Administration

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

Detail(s)

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Site: ***YORK, REGIONAL MUNICIPALITY OF***
HUMBER SEWAGE PUMPING STATION PART OF LOT 26, CON. 7 VAUGHAN ON

Database: ***GEN***

Generator No: ON0722325
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 913910
SIC Description: Other Local Municipal and Regional Public Administration

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

Detail(s)

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Site: ***Enbridge Gas Distribution***
Teston Road at Cold Creek Vaughan ON

Database: ***SPL***

Ref No: 3144-8WPUW7
Site No:
Incident Dt: 30-JUL-12
Year:
Incident Cause: Other Discharges
Incident Event:
Contaminant Code: 41

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type: Pipeline
Agency Involved:
Nearest Watercourse:

Contaminant Name:	BENTONITE SLURRY	***Site Address:***	Teston Road at Cold Creek
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Confirmed	***Site Municipality:***	Vaughan
Nature of Impact:	Other Impact(s); Soil Contamination	***Site Lot:***	
Receiving Medium:	Sewage - Municipal/Private and Commercial	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	30-JUL-12	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Land Spills
Incident Reason:		***Source Type:***	
Site Name:	Enbridge - Drilling Operation<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Enbridge: 975L bentonite to grnd, cntnd		
Contaminant Qty:			

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory: Provincial AAGR

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Sep 2020

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 1999-Jun 30, 2020

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.
Environment and Climate Change Canada cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Jan 2004-Dec 2017

Commercial Fuel Oil Tanks: Provincial CFOT

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

Government Publication Date: Jul 31, 2020

Chemical Manufacturers and Distributors: Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

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

Government Publication Date: 1999-Jun 30, 2020

Compressed Natural Gas Stations: Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 2012 - Sep 2020

Inventory of Coal Gasification Plants and Coal Tar Sites: Provincial COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Dec 2019

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994-Sep 30, 2020

Drill Hole Database: Provincial DRL

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Sep 2019

Delisted Fuel Tanks: Provincial DTNK

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

Government Publication Date: Jul 31, 2020

Environmental Activity and Sector Registry: Provincial EASR

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

Government Publication Date: Oct 2011-Oct 31, 2020

Environmental Registry: Provincial EBR

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994-Sep 30, 2020

Environmental Compliance Approval: Provincial ECA

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 2011-Oct 31, 2020

Environmental Effects Monitoring: Federal EEM

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Jul 31, 2020

Environmental Issues Inventory System: Federal EIIS

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report: Provincial EPAR

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 2019

List of Expired Fuels Safety Facilities: Provincial EXP

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

Government Publication Date: Jul 31, 2020

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

Government Publication Date: Jun 2000-Sep 2020

Fisheries & Oceans Fuel Tanks: Federal FOFT

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

Government Publication Date: 1964-Sep 2019

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

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

Government Publication Date: May 31, 2018

Fuel Storage Tank: Provincial FST

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

Government Publication Date: Jul 31, 2020

Fuel Storage Tank - Historic: Provincial FSTH

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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

Government Publication Date: 1986-Jul 31, 2020

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2018

TSSA Historic Incidents: Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

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

Government Publication Date: Jul 31, 2020

Landfill Inventory Management Ontario: Provincial LIMO

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

Government Publication Date: Feb 28, 2019

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Jan 2020

National Analysis of Trends in Emergencies System (NATES): Federal NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

Government Publication Date: Dec 31, 2018

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Mar 31, 2020

National Energy Board Wells: Federal NEBP

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-Aug 31, 2020

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Jun 2020

Inventory of PCB Storage Sites: Provincial OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994-Sep 30, 2020

Canadian Pulp and Paper: Private PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks: Federal PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: Oct 2011-Oct 31, 2020

Pipeline Incidents: Provincial PINC

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

Government Publication Date: Oct 31, 2020

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994-Sep 30, 2020

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-2016

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.
RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Sep 2020

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-Jun 30, 2020

Scott's Manufacturing Directory: Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

List of spills and incidents made available the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.
The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: 1988-Nov 2019

Wastewater Discharger Registration Database: Provincial SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-Dec 31, 2017

Anderson's Storage Tanks: Private TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970-Aug 2019

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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

Government Publication Date: Jul 31, 2020

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: Oct 2011-Oct 31, 2020

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Apr 30, 2020

Definitions

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

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

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

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

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

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

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

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

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

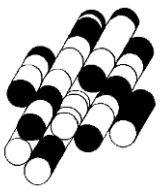
Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number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

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

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

APPENDIX B

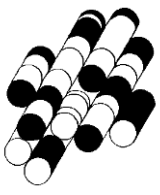
TERRAPROBE INC.



That address appears to be within a TRCA Regulated Area. **CLICK HERE FOR INFORMATION ON NEXT STEPS**

APPENDIX C

TERRAPROBE INC.



LEGEND

Property Boundary

Study Area

Terraprobe
11 Indell Lane, Brampton, Ontario, L6T 3Y3
Tel: (905) 796-2650 Fax: (905) 796-2250

Title: **AERIAL PHOTOGRAPH**

YEAR : 1954

File No. 1-20-0160

LEGEND

Property Boundary

Study Area

Terraprobe
11 Indell Lane, Brampton, Ontario, L6T 3Y3
Tel: (905) 796-2650 Fax: (905) 796-2250

Title: **AERIAL PHOTOGRAPH**

File No. 1-20-0160

YEAR : 1970

LEGEND

Property Boundary

Study Area

Terraprobe
11 Indell Lane, Brampton, Ontario, L6T 3Y3
Tel: (905) 796-2650 Fax: (905) 796-2250

Title: **AERIAL PHOTOGRAPH**

YEAR : 1978

File No. 1-20-0160

LEGEND

Property Boundary

Study Area

Terraprobe
11 Indell Lane, Brampton, Ontario, L6T 3Y3
Tel: (905) 796-2650 Fax: (905) 796-2250

Title: **AERIAL PHOTOGRAPH**

YEAR : 1988

File No. 1-20-0160

LEGEND

Property Boundary

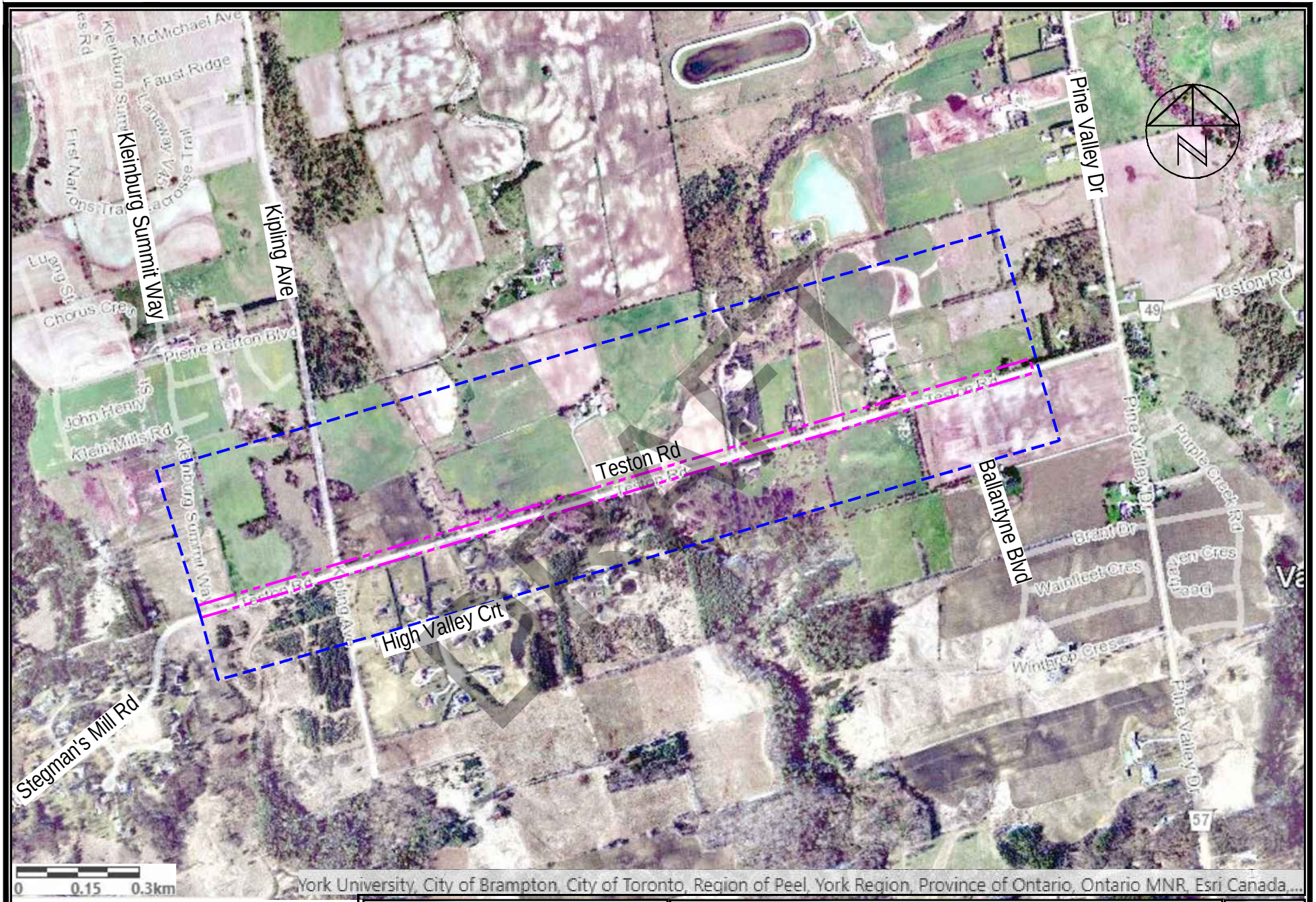
Study Area

Terraprobe
11 Indell Lane, Brampton, Ontario, L6T 3Y3
Tel: (905) 796-2650 Fax: (905) 796-2250

Title: **AERIAL PHOTOGRAPH**

File No. 1-20-0160

YEAR : 1995



LEGEND

Property Boundary

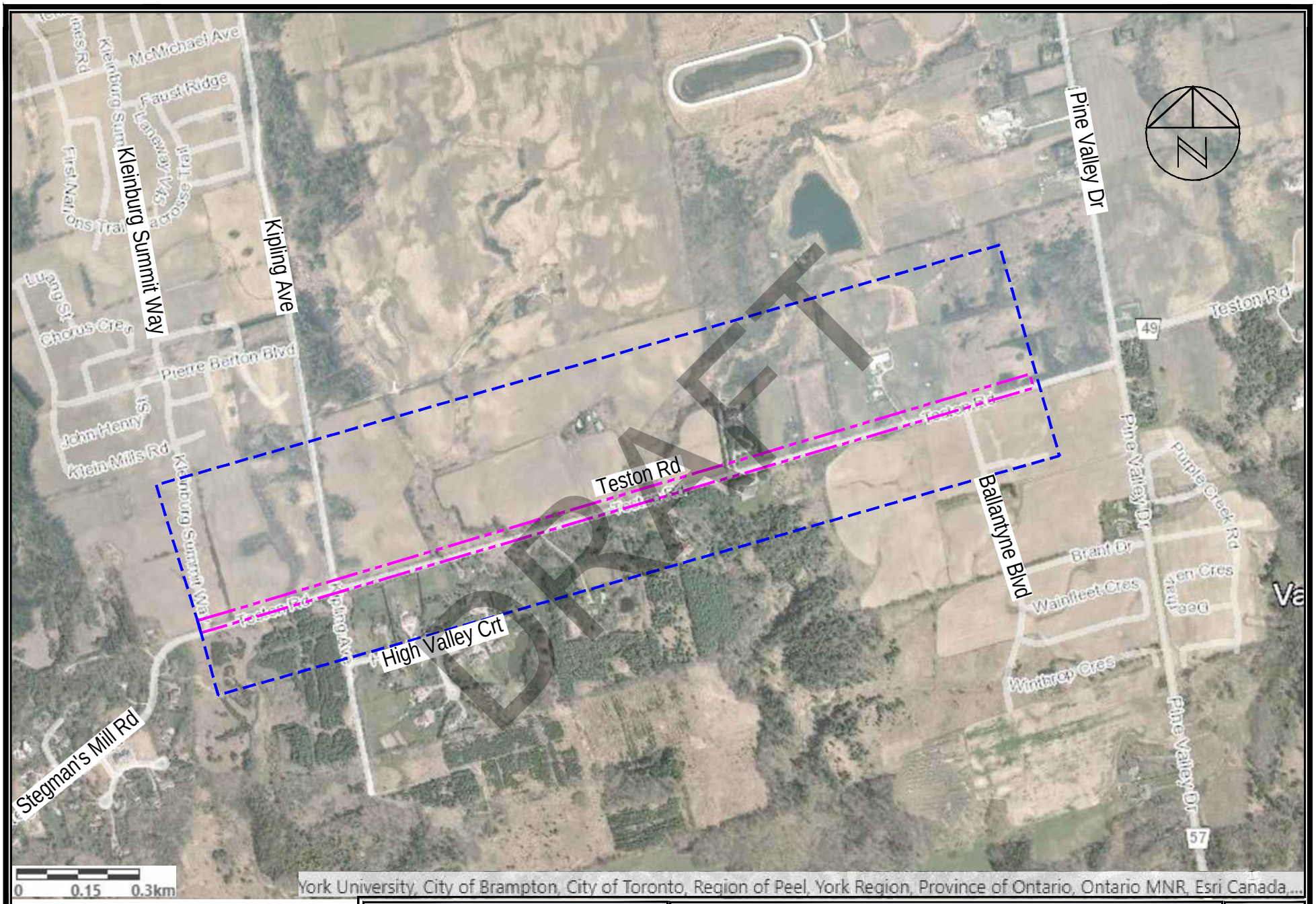
Study Area

Terraprobe
11 Indell Lane, Brampton, Ontario, L6T 3Y3
Tel: (905) 796-2650 Fax: (905) 796-2250

Title: **AERIAL PHOTOGRAPH**

File No. 1-20-0160

YEAR : 2002



LEGEND

Property Boundary

Study Area

Terraprobe
11 Indell Lane, Brampton, Ontario, L6T 3Y3
Tel: (905) 796-2650 Fax: (905) 796-2250

Title: **AERIAL PHOTOGRAPH**

File No. 1-20-0160

YEAR : 2012

LEGEND

Property Boundary

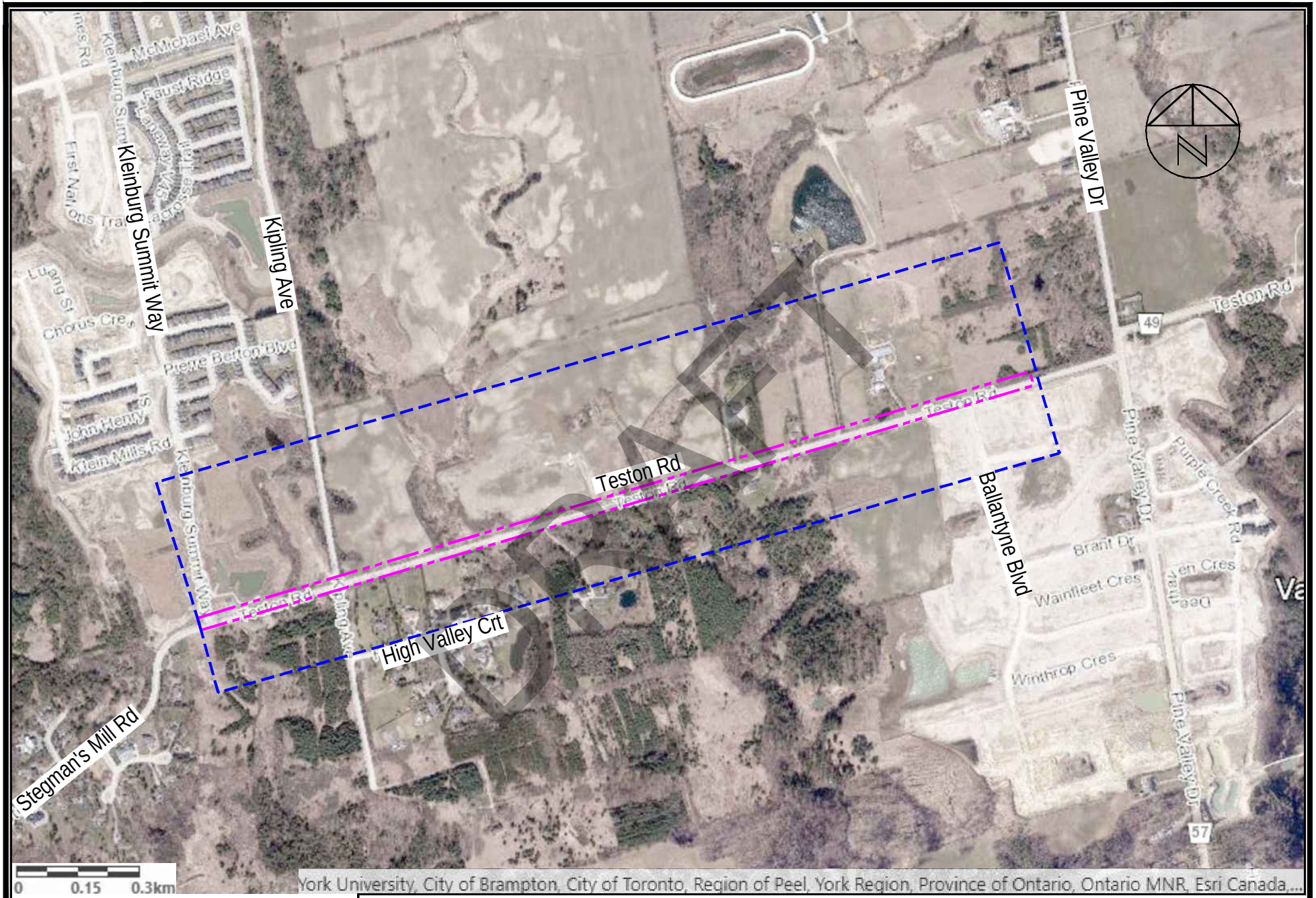
Study Area

Terraprobe
11 Indell Lane, Brampton, Ontario, L6T 3Y3
Tel: (905) 796-2650 Fax: (905) 796-2250

Title: **AERIAL PHOTOGRAPH**

File No. 1-20-0160

YEAR : 2017



LEGEND

Property Boundary

Study Area

Terraprobe
11 Indell Lane, Brampton, Ontario, L6T 3Y3
Tel: (905) 796-2650 Fax: (905) 796-2250

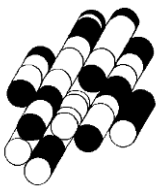
Title: **AERIAL PHOTOGRAPH**

File No. 1-20-0160

YEAR : 2020

APPENDIX D

TERRAPROBE INC.



Ontario

Ministry of Natural Resources and Forestry

Make-a-Map: Natural Heritage Areas

Teston Road - Pine Valley Drive - Kleinburg Summit Way

Notes:

Map created: 11/24/2020

Legend

- Assessment Parcel
- Woodland
- Conservation Reserve
- Provincial Park
- Natural Heritage System
- Ecoregion

Wetland

- Provincially Significant Wetland Evaluated
- Non - Provincially Significant Wetland Evaluated
- Unevaluated Wetland

Area of Natural Heritage & Scientific Interest (ANSI)

- Provincially Significant Life Science ANSI
- Provincially Significant Earth Science ANSI

Greenbelt Plan

- Boundary
- Greenbelt External Connections

Land Use Designations

- Protected Countryside
- Greenbelt Towns and Villages
- Greenbelt Hamlets
- Urban River Valley
- Greenbelt Specialty Crop Area

Niagara Escarpment Plan (NEP)

- Boundary
- Parks and Open Space System

Land Use Designations

- Escarpment Natural Area
- Escarpment Protection Area
- Escarpment Rural Area
- Mineral Resource Extraction Area
- Escarpment Recreation Area
- Urban Area
- Minor Urban Centre

Oak Ridges Moraine Conservation Plan (ORM)

- Boundary

Land Use Designations

- Natural Core Area
- Natural Linkage Area
- Countryside Area
- Rural Settlement
- Palgrave Estates Residential Community
- Settlement Area

0.7 0 0.33 0.7 Kilometers

This map may not display all features listed in the legend because the feature layer was not turned on at the time the map was made; the features do not exist in the geographic range; or features have not been mapped. Absence of a feature in the map does not mean they do not exist in this area.

This map should not be relied on as a precise indicator of routes or locations, nor as a guide to navigation. The Ontario Ministry of Natural Resources and Forestry(OMNRF) shall not be liable in any way for the use of, or reliance upon, this map or any information on this map.

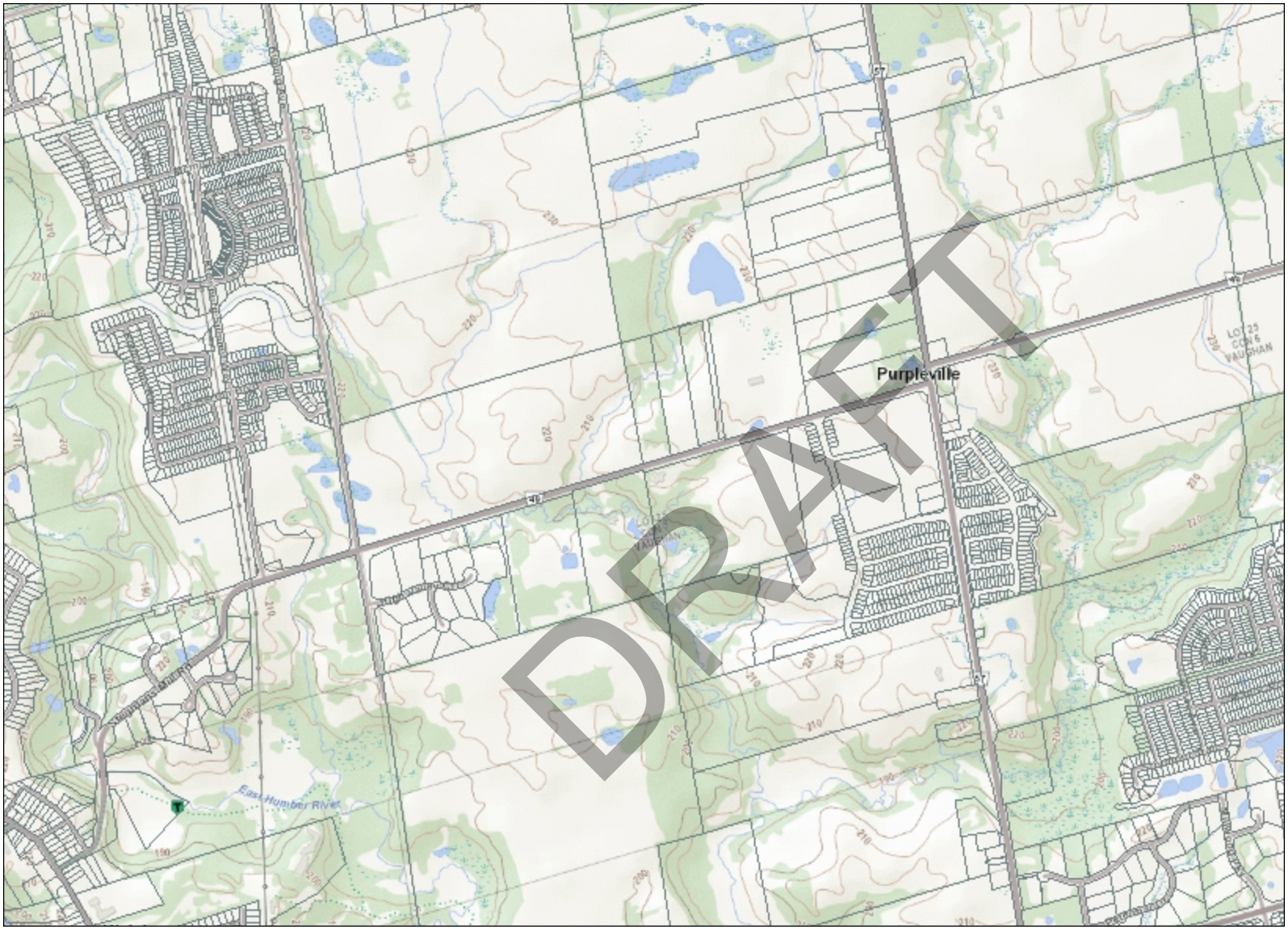
Ontario

MINISTRY OF NATURAL RESOURCES AND FORESTRY

Make a Topographic Map

Teston Road - Pine Valley Drive - Kleinburg Summit Way

Notes:



Legend

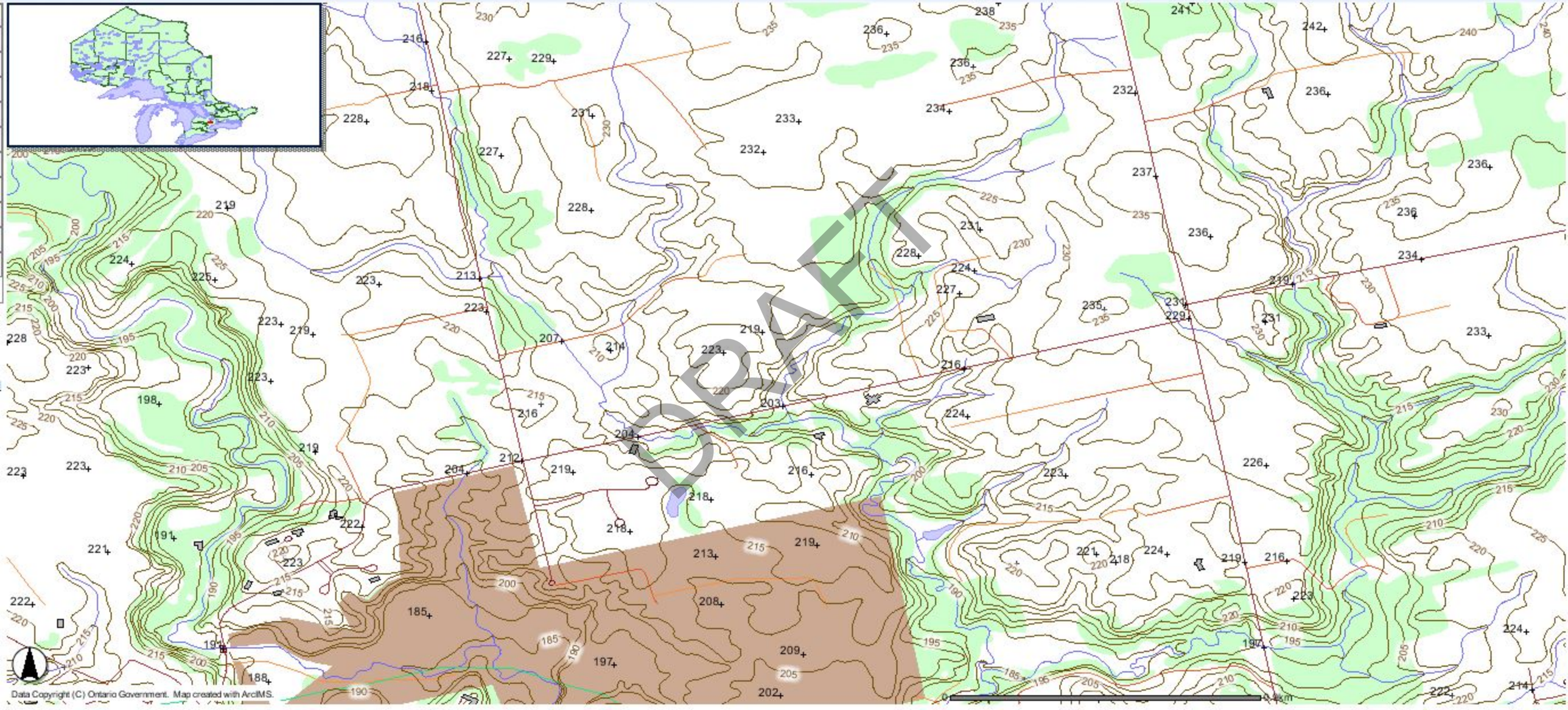
- Building as Symbol
- Building to Scale
- Airport
- Heliport \ Hospital Heliport
- Seaplane Base
- Ferry Route
- Trail Head \ Trail
- Railway \ Train Station
- Railway with Bridge
- Railway with Tunnel
- Road (Major → Minor)
- Winter Road
- Road with Bridge
- Road with Tunnel
- Primary, Kings or 400 Series Highway
- Secondary Highway
- Tertiary Highway
- District, County, Regional or Municipal Road
- Toll Highway
- One Way Road
- Road with Permanent Blocked Passage
- Road with Address Ranges
- Hydro Line, Communication Line or Unknown Transmission Line
- Natural Gas Pipeline, Water Pipeline or Unknown Pipeline
- Spot Height
- Index Contour
- Contour
- Wooded Area
- Wetland
- Waterbody
- Waterbody Elevation
- Watercourse
- Falls
- Rapids
- Rapids \ Falls
- Rapids
- Rocks
- Lock Gate
- Dam \ Hydro Wall
- Dam \ Hydro Wall
- Provincial \ State Boundary
- International Boundary
- Upper Tier \ District Municipal Boundary
- Lower Tier \ Single Tier Municipal Boundary
- Lot Line
- Indian Reserve
- Provincial Park
- National Park
- Conservation Reserve
- Military Lands

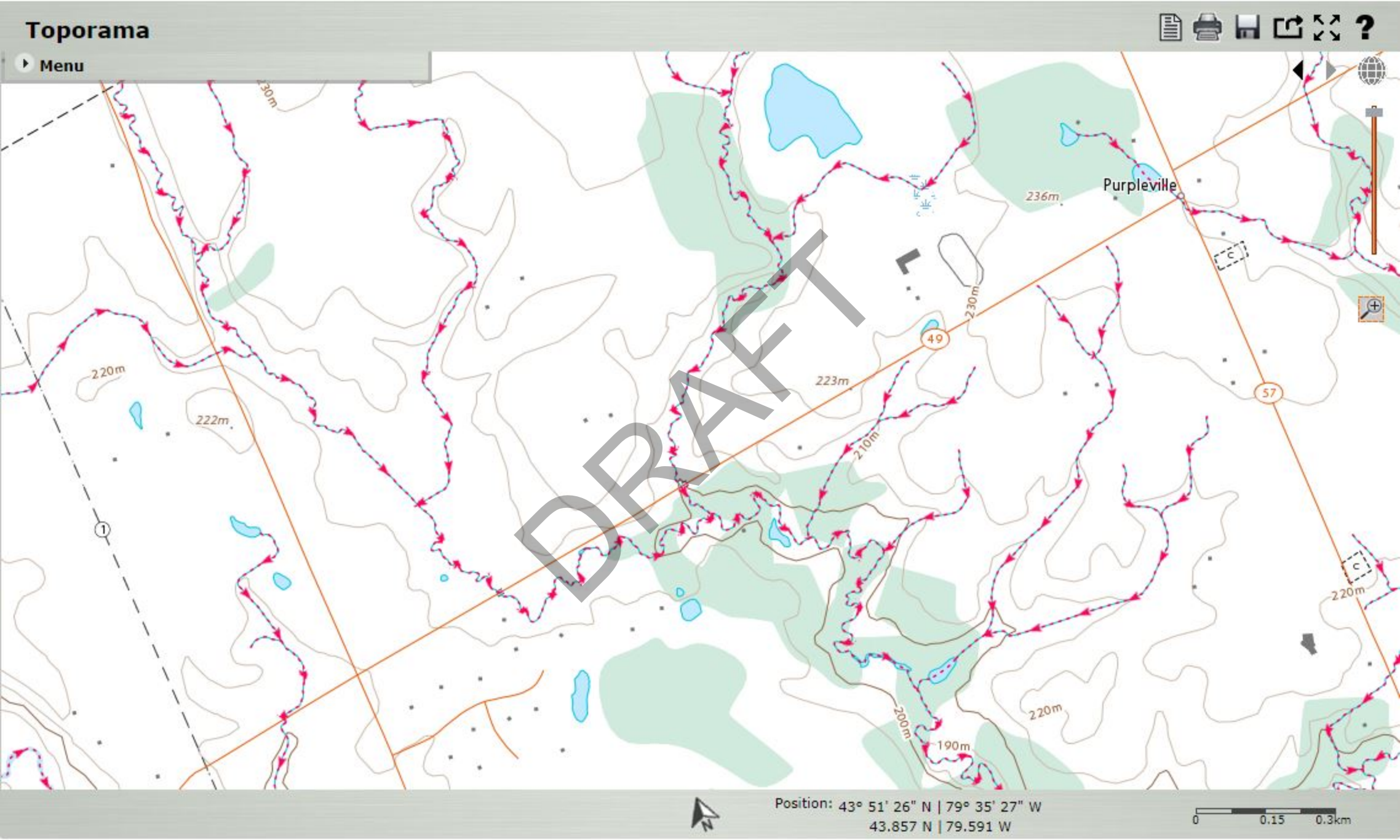
0 1.0 km

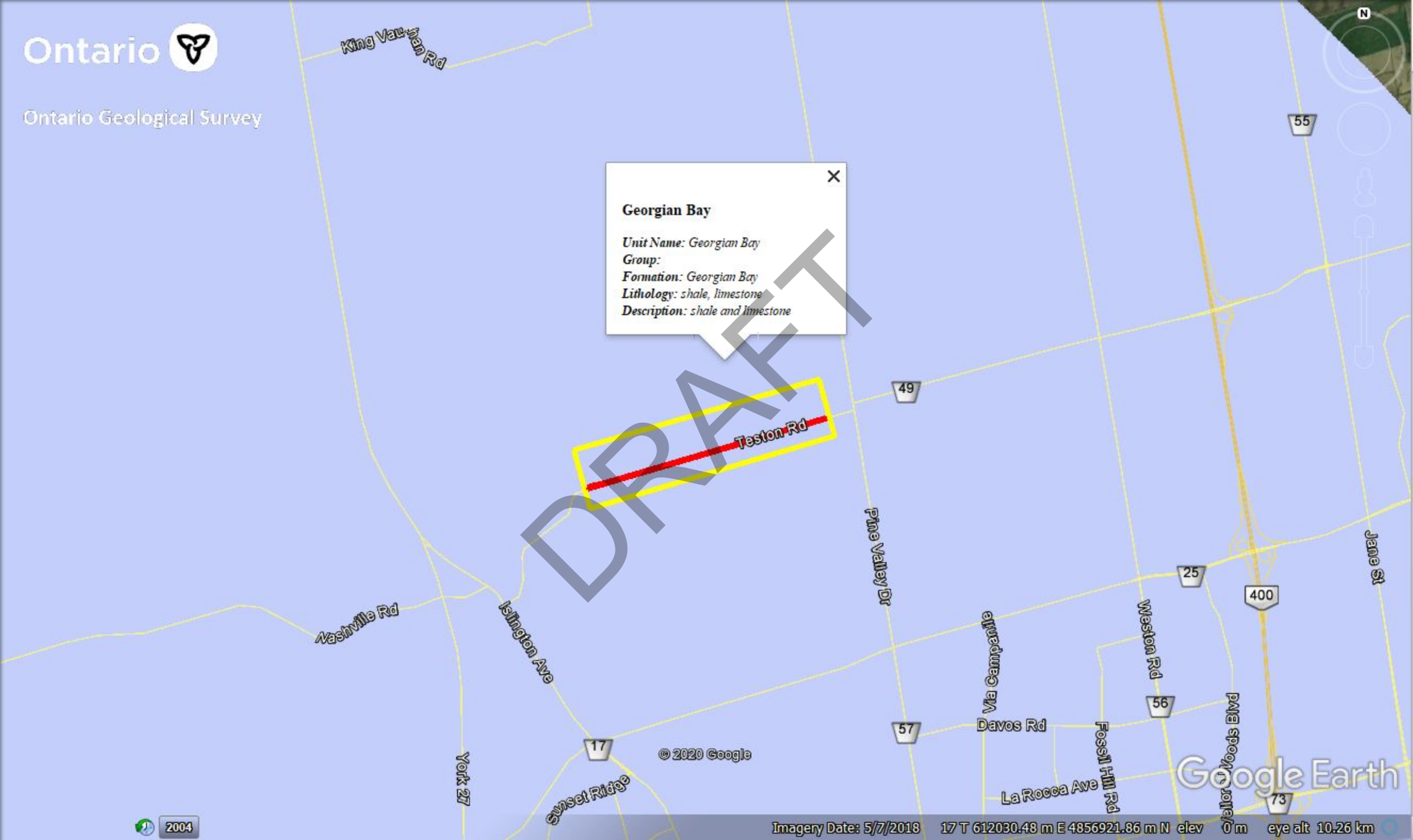
Projection: Web Mercator

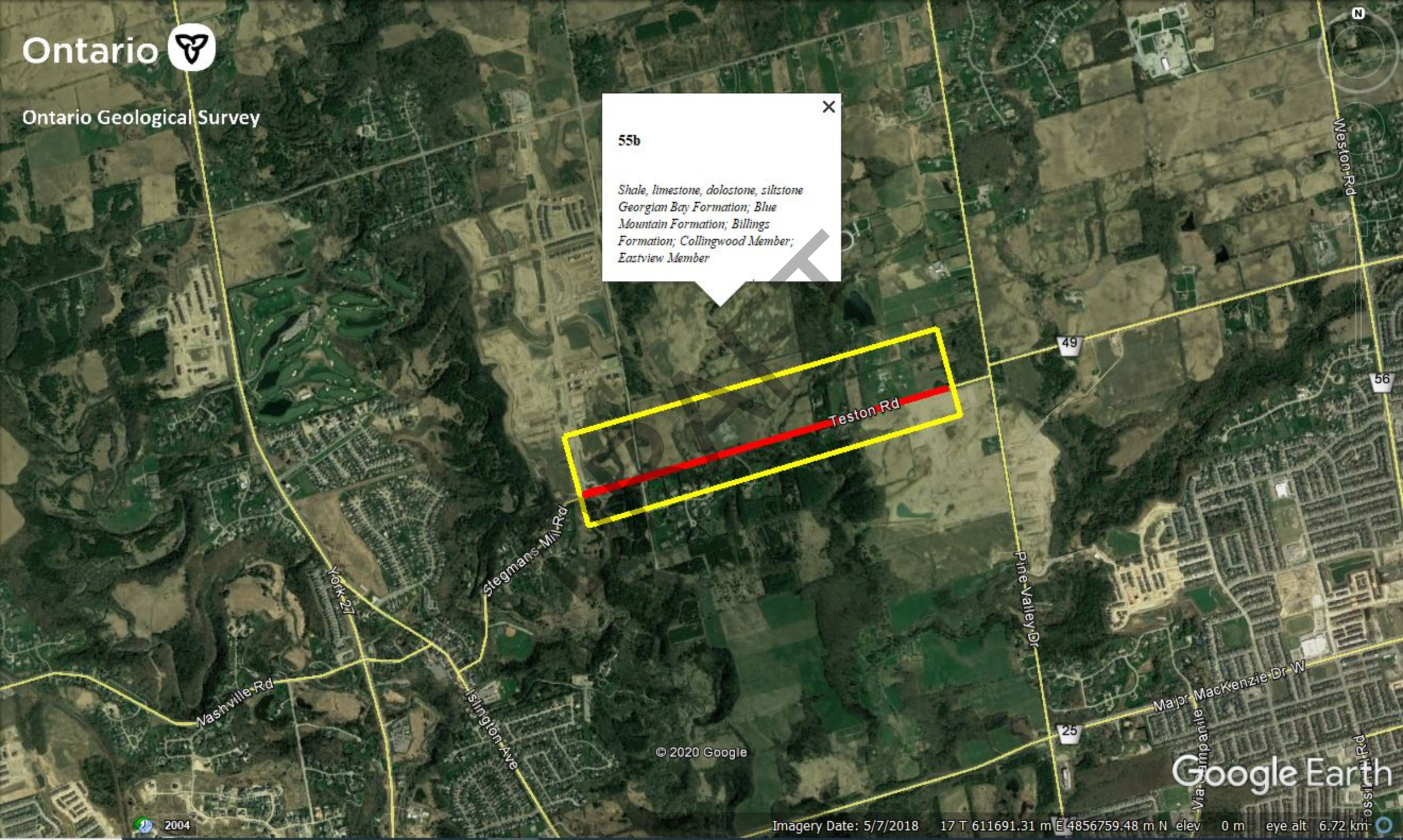
N

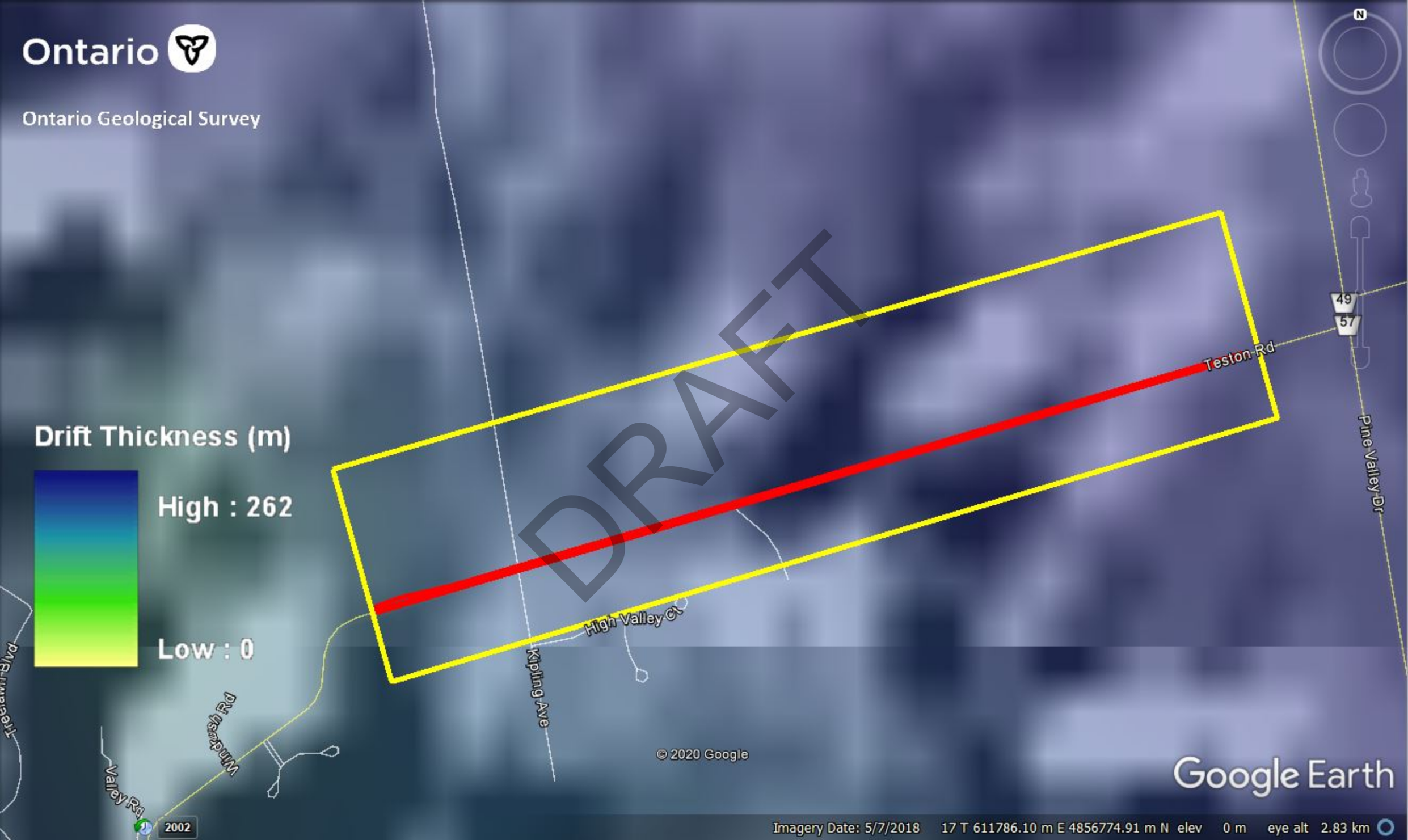
Ontario Basic Mapping (OBM)

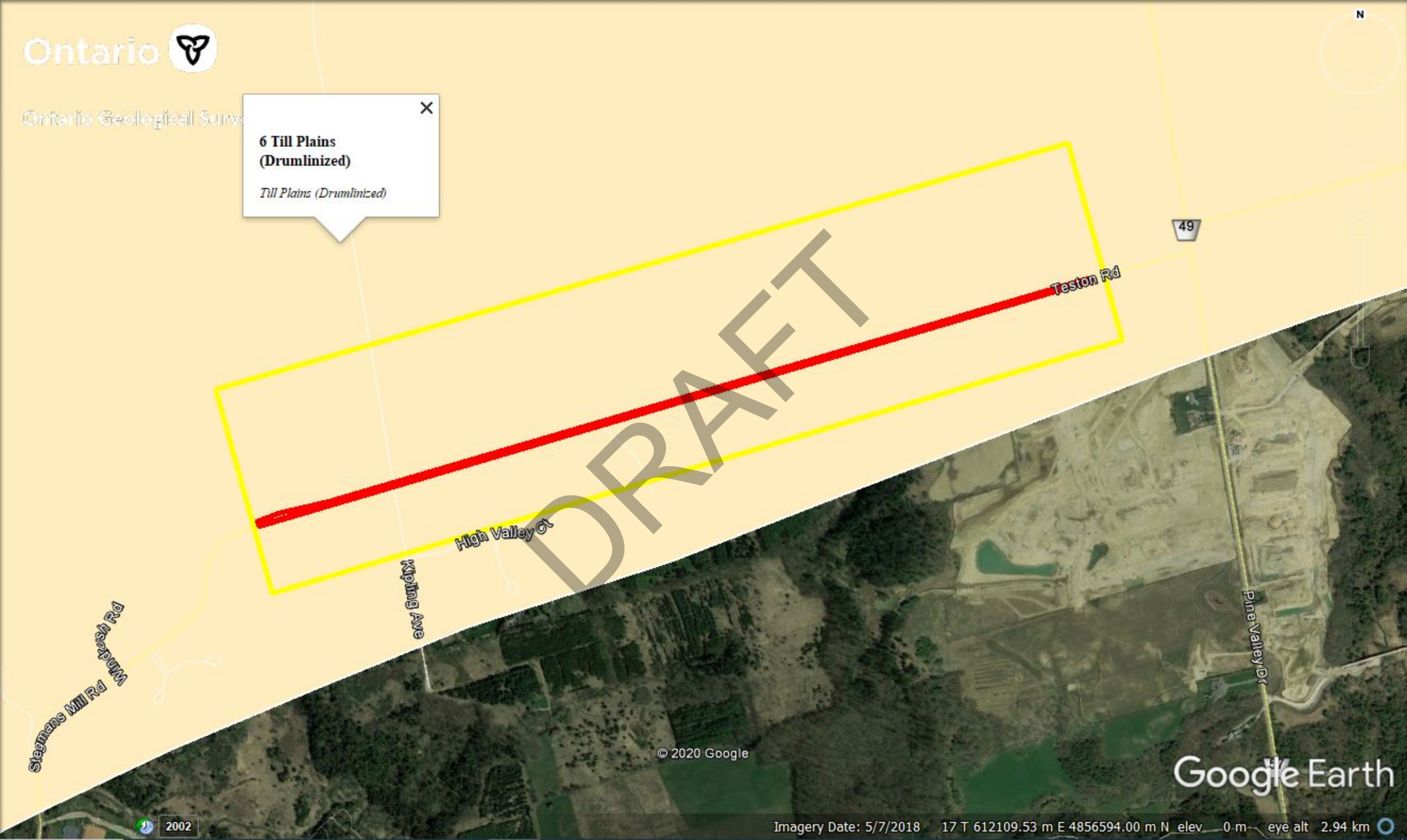



Toporama
Menu
Purpleville
236m
230m
223m
222m
220m
210m
200m
190m
49
57
1
DRAFT
Position: 43° 51' 26" N | 79° 35' 27" W
43.857 N | 79.591 W
0
0.15
0.3km

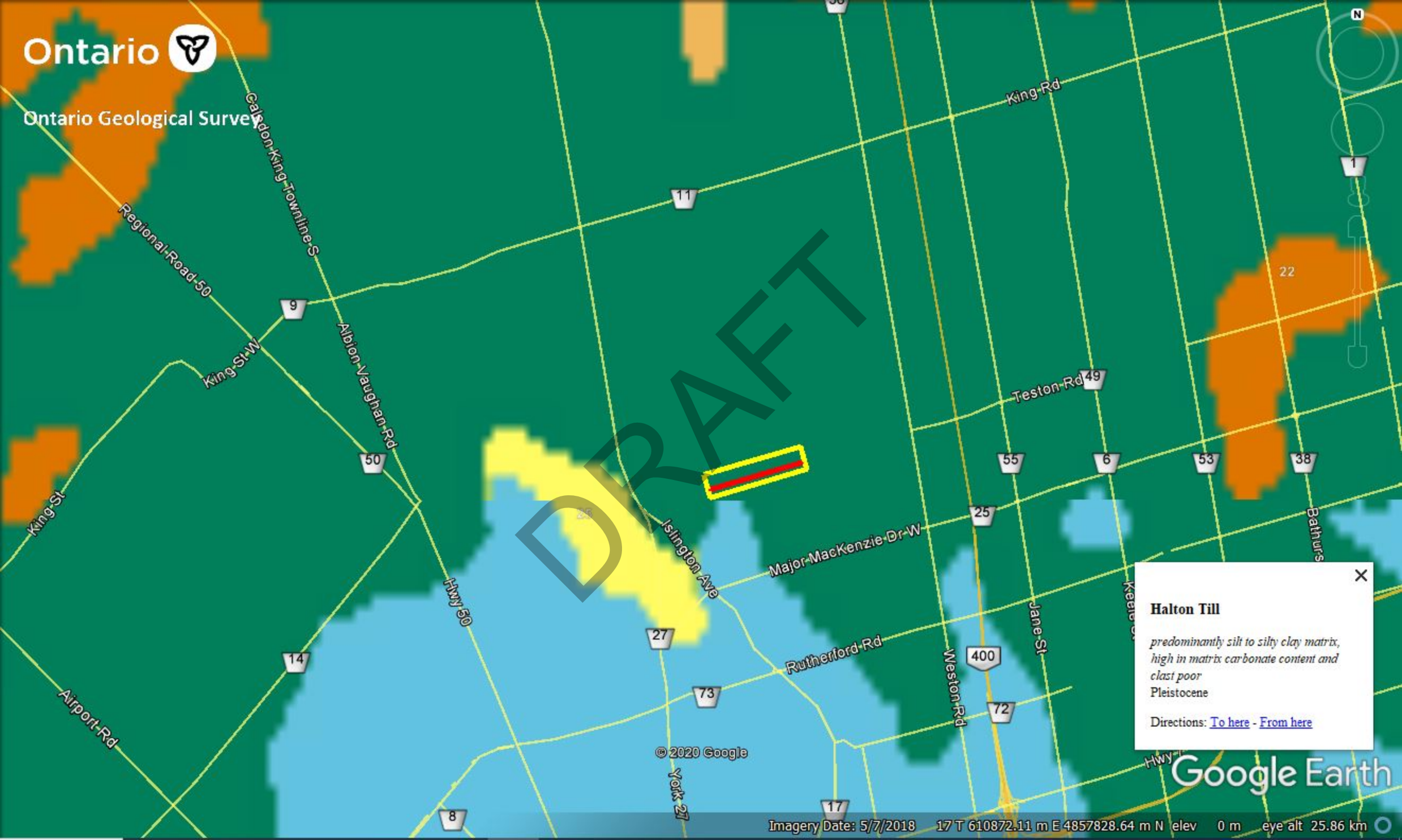

Ontario
Ontario Geological Survey
Georgian Bay
Unit Name: Georgian Bay
Group:
Formation: Georgian Bay
Lithology: shale, limestone
Description: shale and limestone
DRAFT
Teston Rd
King Vaughan Rd
Nashville Rd
Islington Ave
Pine Valley Dr
Via Campania
Davos Rd
Weston Rd
Fossil Hill Rd
La Rocca Ave
Jane St
York 27
Sunset Ridge
55
49
25
400
57
56
17
73
© 2020 Google
Google Earth
2004
Imagery Date: 5/7/2018 17 T 612030.48 m E 4856921.86 m N elev 0 m eye alt 10.26 km


Ontario
Ontario Geological Survey
55b
Shale, limestone, dolostone, siltstone Georgian Bay Formation; Blue Mountain Formation; Billings Formation; Collingwood Member; Eastview Member
DRAFT
Teston Rd
Stegmans Mill Rd
York 27
Nashville Rd
Islington Ave
Pine Valley Dr
Weston Rd
Major MacKenzie Dr W
Via Campanile
Rossi Hill Rd
49
56
25
© 2020 Google
Google Earth
2004
Imagery Date: 5/7/2018 17 T 611691.31 m E 4856759.48 m N elev 0 m eye alt 6.72 km


Ontario
Ontario Geological Survey
Drift Thickness (m)
High : 262
Low : 0
DRAFT
Teston Rd
Pine Valley Dr
49
57
High Valley Ct
Kipling Ave
Windrest Rd
Valley Rd
2002
© 2020 Google
Google Earth
Imagery Date: 5/7/2018 17 T 611786.10 m E 4856774.91 m N elev 0 m eye alt 2.83 km


Ontario
Ontario Geological Surv
6 Till Plains
(Drumlinized)
Till Plains (Drumlinized)
DRAFT
49
Teston Rd
High Valley Ct
Kipling Ave
Stegmans Mill Rd
Windrows Rd
Pine Valley Dr
© 2020 Google
Google Earth
2002
Imagery Date: 5/7/2018 17 T 612109.53 m E 4856594.00 m N elev 0 m eye alt 2.94 km


Ontario
Ontario Geological Survey
32 South Slope
South Slope
Teston Rd
Kipling Ave
Stegmans Mill Rd
Valley Rd
Islington Ave
Napier St
Pine Valley Dr
Rainbows End
Weaver Ct
Treelawn Blvd
Kirby Rd
Paula Ct
49
57
© 2020 Google
Google Earth
Imagery Date: 5/7/2018 17 T 612028.42 m E 4856820.40 m N elev 0 m eye alt 4.08 km
2002


Ontario
Ontario Geological Survey
DRAFT
King Rd
Caledon-King-Townline-S
Regional Road 50
Albion-Vaughan-Rd
King St W
King St
Hwy 50
Islington Ave
Major MacKenzie Dr W
Teston Rd
Rutherford Rd
Weston Rd
Jane St
Airport Rd
York 27
Halton Till
predominantly silt to silty clay matrix, high in matrix carbonate content and clast poor
Pleistocene
Directions: To here - From here
© 2020 Google
Google Earth
Imagery Date: 5/7/2018 17 T 610872.11 m E 4857828.64 m N elev 0 m eye alt 25.86 km


Ontario
Ontario Geological Survey
Teston Rd
49
High Valley Ct
Kipling Ave
Windrush Rd
Siegmans Mill Rd
Pine Valley Dr
5d Till
Clay to silt-textured till (derived from glaciolacustrine deposits or
DRAFT
© 2020 Google
Google Earth
2002
Imagery Date: 5/7/2018 17 T 612109.53 m E 4856594.00 m N elev 0 m eye alt 2.94 km

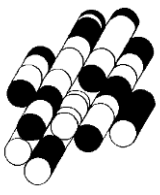

Ontario
Ontario Geological Survey
19 Modern alluvial deposits
clay, silt, sand, gravel, may contain organic remains
Teston Rd
49
High Valley Ct
Kipling Ave
Pine Valley Dr
Stegmans Mill Rd
Windham Rd
DRAFT
© 2020 Google
Google Earth
2002
Imagery Date: 5/7/2018 17 T 612109.53 m E 4856594.00 m N elev 0 m eye alt 2.94 km


Ontario
Ontario Geological Survey
9c Coarse-textured glaciolacustrine deposits
sand, gravel, minor silt and clay
Foreshore and basinal deposits
DRAFT
Teston Rd
49
High Valley Ct
Kipling Ave
Stegmans Mill Rd
Windham Rd
Pine Valley Dr
© 2020 Google
Google Earth
2002
Imagery Date: 5/7/2018 17 T 612109.53 m E 4856594.00 m N elev 0 m eye alt 2.94 km


Ontario
Ontario Geological Survey
8b Fine-textured glaciolacustrine deposits
silt and clay, minor sand and gravel
Interbedded silt and clay and gritty, pebbly flow till and rainout deposits
Teston Rd
49
High Valley Ct
Kipling Ave
Stegmans Mill Rd
Marsh Rd
Pine Valley Dr
DRAFT
© 2020 Google
Google Earth
2002
Imagery Date: 5/7/2018 17 T 612109.53 m E 4856594.00 m N elev 0 m eye alt 2.94 km

APPENDIX E

TERRAPROBE INC.



Photograph 1

Location:	Contamination Overview Study (COS) Site
Viewing:	West
Description:	View of the eastern extent of the Site along a stretch of Teston Road. Visible in the background is a new unnamed roadway associated with construction in the southeast portion of the Study Area, south of the Site.

Photograph 2

Location:	COS Site adjacent
Viewing:	North
Description:	View of a standing waterbody in the northwest quadrant pf the Study Area, directly adjacent to the Site associated with the property located at 4720 Teston Road, Vaughan. Also visible is marked yellow flags noting the presence of buried gas lines.

Photograph 3

Location:	Adjacent to COS Site, Teston Road.
Viewing:	East
Description:	View of Teston Road and the nearest eastern intersection of Teston Road and Pine Valley Drive, Vaughan.

Photograph 4

Location:	COS Site
Viewing:	Southeast
Description:	View of a marked sanitary manhole along Teston Road.

Photograph 5

Location:	4820 Teston Road
Viewing:	North
Description:	View of a pole-mounted transformer adjacent to a marked water manhole.

Photograph 6

Location:	COS Site
Viewing:	West
Description:	View of the intersection of Teston Road and Kipling Avenue from Teston Road.

Photograph 7

Location:	COS Site
Viewing:	South
Description:	View of Kipling Avenue from Teston Road.

Photograph 8

Location:	COS Site
Viewing:	North
Description:	View of Kipling Avenue from Teston Road.

Photograph 9

Location:	COS Site
Viewing:	East
Description:	View of Teston Road from the intersection of Teston Road and Kipling Avenue.

Photograph 10

Location:	COS Site
Viewing:	West
Description:	View of the intersection of Teston Road and Kleinburg Summit Way.

Photograph 11

Location:	COS Site
Viewing:	East
Description:	View of Teston Road from the intersection of Teston Road and Kleinburg Summit Way.

Photograph 12

Location:	COS Site
Viewing:	East
Description:	View of Teston Road from the intersection of Teston Road and Kleinburg Summit Way.

Photograph 13

Location:	COS Site adjacent
Viewing:	North
Description:	View of a pad-mounted transformed located in the northeast quadrant of the intersection of Teston Road and Kleinburg Summit Way.

Photograph 14

Location:	COS Site
Viewing:	North
Description:	View of a marked underground utility in the northeast quadrant of the intersection of Teston Road and Kleinburg Summit Way.

Photograph 15

Location:	COS Site
Viewing:	South
Description:	View of storm manhole and catchbasin along Teston Road.