



Phase I Environmental Site Assessment
Seaton A11 Residential Development
Whites Road, South of Whitevale Road
Pickering, Ontario

Client:

Oak Ridges Seaton Inc.
c/o DG Group Inc.
30 Floral Parkway, Suite 300
Concord, Ontario, L4K 4R1

Attention: Ms. Alexa-Rae Valente

Type of Document:

Final Report

Project Name:

Phase I Environmental Site Assessment (ESA)

Project Number:

BRM-23004070-A0

Prepared By:

EXP Services Inc.
220 Commerce Valley Drive West, Unit 110
Markham, Ontario, L3T 0A8
t: 905.695.3217
f: 905.695.0169

Date Submitted:

April 19, 2023

Table of Contents

Executive Summary	1
1 Legal Notification	3
2 Introduction	4
2.1 Objective	4
2.2 Site Description	4
3 Scope of Investigation.....	5
4 Records Review.....	6
4.1 General.....	6
4.2 Aerial Photographs.....	6
4.3 Fire Insurance Plans (FIPs).....	8
4.4 City Directories.....	8
4.5 Previous Reports	8
4.6 Chain of Title	11
4.7 Regulatory Requests	11
4.7.1 Ministry of the Environment, Conservation and Parks (MECP)	11
4.7.2 Technical Standards and Safety Authority	11
4.8 Company Records	11
4.9 ERIS Database Report.....	12
4.10 Record of Site Condition	12
4.11 Maps.....	13
5 Interviews	14
6 Site Visit	15
6.1 Site	15
6.1.1 Property Use	15
6.1.2 Buildings and Structures	15
6.1.3 Limitations at the Site	15
6.1.4 Chemical Inventory, Storage and Handling and Floor Condition.....	15
6.1.5 Storage Tanks and Containers	15
6.1.6 Special Attention Substances.....	15

6.1.7	Drains and Sumps	16
6.1.8	Building Heating and Cooling Systems.....	16
6.1.9	Mechanical Equipment	16
6.1.10	Air Emissions	16
6.1.11	Odour and Noise	16
6.1.12	Sewage and Wastewater Disposal	16
6.1.13	Liquid Chemical Waste Generation, Storage & Disposal	16
6.1.14	Solid Waste Generation, Storage & Disposal.....	16
6.1.15	Topographic, Geologic and Hydrogeologic Conditions.....	16
6.1.16	Water Courses, Ditches and Site Drainage	17
6.1.17	Abandoned and Existing Wells.....	17
6.1.18	Potable Water Sources	17
6.1.19	Fill Material	17
6.1.20	Stained Materials	17
6.1.21	Stressed Vegetation	17
6.1.22	Roads, Parking Facilities and Right of Ways.....	17
6.1.23	Pits and Lagoons	17
6.1.24	Unidentified Substances	17
6.2	Surrounding Properties.....	18
7	Summary of Findings and Conclusions	19
8	Recommendations.....	20
9	Qualifications of Assessors	21
10	References	22
11	Limitations and Use of Report	23

List of Appendices

Figures

Appendix A – Site Photographs

Appendix B – City Directories

Appendix C – Regulatory Requests

Appendix D- ERIS Report

Executive Summary

EXP Services Inc. (EXP) was retained by Oak Ridges Seaton Inc., c/o DG Group Inc., to complete a Phase I Environmental Site Assessment (ESA) on the property at 3160 Sideline 26, City of Pickering, Ontario, (hereinafter referred to as the Site¹). EXP understands that the Phase I ESA is required for due diligence purposes in order to complete the Region of Durham's Site Screening Questionnaire, and that a Record of Site Condition (RSC) is not required at this time.

The objective of this Phase I ESA is to identify issues of potential environmental concern to the Site. A Phase I ESA is a systematic qualitative process to assess the environmental condition of a Site based on its historical and current uses. The Phase I ESA was completed in general accordance with CSA Standard Z768-01 (R2016).

The municipal address of the Site is 3160 Sideline 26, City of Pickering, Ontario. The Site is located on the west side of Whites Road and approximately 230 m south of Whitevale Road in the City of Pickering. The Site is irregular in shape and occupies an area of approximately 5,000 m². A Site Location Plan is shown as Figure No. 1.

At the time of the investigation, the site was vacant and was not improved with any permanent structures or buildings. The Site is primarily covered with vegetation. (See Figure 2 – Site Plan).

Through a review of historical information, the Site appears to be historically developed with a residential building at the east portion of the Site along with a gravel access path to Sideline 26 from the early 1970s to 2017. A swimming pool was also present west adjacent to the residential building from the early 1990s to 2017. Based on the review of the aerial photographs, the residential building and the swimming pool on Site were removed between 2017 and 2018. According to the review of historical aerial photograph, the Site was observed to be vacant with no structures since 2018. According to the information from the Site Representative, the locations of the former residential building and the swimming pool on Site were backfilled with soil sourced from within the Site.

The adjacent properties of the Site were historically developed with agricultural and residential land uses, bound by:

- Whites Road to the west followed by mixed agricultural and residential land uses as well as vacant land being developed into a new residential subdivision;
- A new road, "Alexander Knox Road", under construction south adjacent of the Site in east-west orientation; followed by agricultural land use;
- Agricultural land use north adjacent to the Site, followed by residential and agricultural land uses as well as Whitevale Road located approximately 50m north of Site; and,
- Agricultural land use on the west adjacent and surrounding properties.

Photographs of the Site are included in Appendix A.

Based on the Phase I ESA findings, including Site observations, information provided by the Site representative, the review of environmental databases, available historical information, and pending the information requested from the Ministry of Environment, Conservation and Parks (MECP), the following summary is provided:

Issues of Potential Environmental Concern	Media and Potential Contaminants of Concern	Comments
Site		
No potential environmental concerns were identified for the Site.		
Surrounding Properties		
No potential environmental concerns were identified for the surrounding properties.		

Based on the results of this Phase I ESA, and conclusions reached, it is our opinion that a Phase II Environmental Site Assessment (i.e. sampling and analysis) is not warranted for the Site at this time.

This executive summary is a brief synopsis of the report and should not be read in lieu of reading the report in its entirety. Limitation of liability, scope of report and third-party reliance are outlined in Section 11 of this report.

1 Legal Notification

This report was prepared by EXP Services Inc. for the account of Oak Ridges Seaton Inc. c/o DG Group Inc. 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 unless a reliance letter has been addressed to, or otherwise provides reliance to, such third party. EXP Services Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

2 Introduction

EXP Services Inc. (EXP) was retained by Oak Ridges Seaton Inc. c/o DG Group Inc., to complete a Phase I Environmental Site Assessment (ESA) on the property at 3160 Sideline 26, City of Pickering, Ontario, (hereinafter referred to as the Site'). EXP understands that the Phase I ESA is required for due diligence purposes in order to complete the Region of Durham's Site Screening Questionnaire, and that a Record of Site Condition (RSC) is not required at this time.

2.1 Objective

The objective of this Phase I ESA was to identify issues of potential environmental concern to the Site. A Phase I ESA is a systematic qualitative process to assess the environmental condition of a Site based on its historical and current uses.

The Phase I ESA was completed in general accordance with CSA Standard Z768-01 (R2016). Subject to this standard of care, EXP makes no express or implied warranties regarding its services and no third-party beneficiaries are intended. Limitation of liability, scope of report and third-party reliance are outlined in Section 11 of this report.

2.2 Site Description

The municipal address of the Site is 3160 Sideline 26, City of Pickering, Ontario. The Site is located on the west side of Whites Road and approximately 230 m south of Whitevale Road in the City of Pickering. The Site is irregular in shape and occupies an area of approximately 5,000 m². A Site Location Plan is shown as Figure No. 1.

At the time of the investigation, the site was vacant and was not improved with any permanent structures or buildings. The Site is primarily covered with vegetation (See Figure 2 – Site Plan).

Through a review of historical information, the Site appears to be historically developed with a residential building at the east portion of the Site along with a gravel access path to Sideline 26 from the early 1970s to 2017. A swimming pool was also present west adjacent of the residential building from the early 1990s to 2017. Based on the review of the aerial photographs, the residential building and the swimming pool on Site were removed between 2017 and 2018. According to the review of historical aerial photograph, the Site was observed to be vacant with no structures since 2018. According to the information from the Site Representative, the locations of the former residential building and the swimming pool on Site were backfilled with soil sourced from within the Site.

The adjacent properties of the Site were historically developed with agricultural and residential land uses, bound by:

- Whites Road to the west followed by mixed agricultural and residential land uses as well as vacant land being developed into a new residential subdivision;
- A new road, "Alexander Knox Road", under construction south adjacent of the Site in east-west orientation; followed by agricultural land use;
- Agricultural land use north adjacent to the Site, followed by residential and agricultural land uses as well as Whitevale Road located approximately 50m north of Site; and,
- Agricultural land use on the west adjacent and surrounding properties.

Photographs of the Site are included in Appendix A.

3 Scope of Investigation

The scope of work for the Phase I ESA consisted of the following activities:

- Reviewing the historical occupancy of the Site through the use of available archived and relevant municipal and business directories, available fire insurance plans (FIPs), topographical maps, and aerial photographs;
- Contacting municipal and/or provincial agencies to determine the existence of records of environmental regulatory non-compliance, if any, and reviewing such records where available;
- Reviewing available geological maps, well records and utility maps for the vicinity of the Site;
- Obtaining and reviewing environmental database reports completed for the Phase I Study Area by ERIS. Environmental database reports help comprise the environmental history of a Site and include a summary of federal, provincial and privately managed databases;
- Conducting a Site reconnaissance of the Site and Site infrastructure in order to identify the presence of actual and/or potential environmental contaminants or concerns of significance;
- Conducting interviews with designated Site representative(s) as a resource for current and historical Site information, as well as to provide EXP staff with unrestricted access to all areas of the Site and Site buildings;
- Reviewing the current uses of the Site and any land use practices that may have impacted the environmental conditions at the Site;
- From the Site and publicly accessible areas, reviewing the current use of the surrounding properties and any land use practices that may have impacted the environmental condition of the Site; and,
- Preparing a report to document the findings.

In completing the scope of work, EXP did not conduct any intrusive investigations, including sampling, analyses or monitoring of materials. In addition, general environmental management and housekeeping practices were reviewed as part of this assessment insofar as they could impact the environmental condition of the Site; however, a detailed review of regulatory compliance issues was beyond the scope of this investigation.

EXP personnel who conducted assessment work for this project included Mr. Renjith Kuriakose Zachariah, M.Sc., MBA., and Simon Lan, P.Eng., QP_{ESA}. An outline of their qualifications is provided in Section 9.

4 Records Review

4.1 General

The Phase I ESA Study Area consisted of the neighbourhood extending a distance of 150 metres from the Site. At the time of the Site reconnaissance, land usage within 150 metres from the Site generally comprised of agricultural and residential use.

Based on a review of historical aerial photographs, chain of title information, historical maps, and other records review, it appears that the Site was historically developed for agricultural and residential land uses.

A more detailed discussion of the Site history, based on the available documentation, is provided in the following Sections.

4.2 Aerial Photographs

Aerial photographs for the Site dated 1960, 1972, 1981 1993, 2002, 2005, 2013, 2017, 2018 and 2022 were obtained from the National Air Photo Library and Google Earth. The aerial photographs/images were used to review the development and land use history of the Site and surrounding area.

The development and land use history of the Site and properties in the Phase I Study Area as shown on the reviewed aerial photographs is summarized in the following table.

Aerial Photograph	Details
1960	<ul style="list-style-type: none"> The Site is shown primarily as an agricultural field. Sideline 26 is visible on the east adjacent of Site followed by agricultural or undeveloped land, with associated residential homesteads. The north adjacent properties are agricultural or undeveloped. One (1) residence exist on the east side of Sideline 26, approximately 70m north of Site. One (1) residence exist on the south side of Whitevale Road, approximately 120m north-northwest of Site. Whitevale road is visible approximately 180m north of site in east-west direction. The east and south adjacent and surrounding properties are under agricultural land use.
1972	<ul style="list-style-type: none"> The Site is shown as developed with a residence with a gravel access path from Sideline 26. No significant changes are shown on the surrounding properties when compared to the 1960 aerial photograph.
1981	<ul style="list-style-type: none"> No significant changes are shown on the Site and the surrounding properties when compared to the 1972 aerial photograph.
1993	<ul style="list-style-type: none"> The Site is further improved with trees along the property boundaries on all four sides. The residential structure previously observed on the east side of Sideline 26, approximately 70m north of Site is no longer present. No other significant changes are shown on the Site and surrounding properties when compared to the 1981 aerial photograph.

Aerial Photograph	Details
2002	<ul style="list-style-type: none"> The site is shown as improved with a swimming pool west adjacent to the residential building at the east portion of the Site. A surrounding property on the east side of Sideline 26, approximately 70m north of Site, is observed to be improved with a grain silo structure. No other significant changes are shown on the Site and surrounding properties when compared to the 1993 aerial photograph.
2005	<ul style="list-style-type: none"> The Site is shown as improved with four (4) shed structures on the south and west sides of the swimming pool at the southeast portion of the Site. No significant changes are shown on the Site and surrounding properties when compared to the 2002 aerial photograph.
2013	<ul style="list-style-type: none"> An extension of the patio area is shown around the swimming pool west of the residential building at the east portion of the Site. No significant changes are shown on the Site and surrounding properties when compared to the 2005 aerial photograph.
2017	<ul style="list-style-type: none"> No significant changes are shown on the Site when compared to the 2013 aerial photograph. The grain silo on the surrounding property on the east side of Sideline 26, approximately 70m north of Site, was observed to have been removed. No other significant changes on the surrounding properties are shown when compared to the 2013 aerial photograph.
2018	<ul style="list-style-type: none"> The site appears to be vacant. The previously existing residential structure, sheds and swimming pool are no longer present. The location of the previous structures on the Site were leveled to match the grade of the west portion of the Site. The site and the surrounding properties on the west, north and south was installed with a silt fence. The surrounding property at the east side of Sideline 26 was also improved with a silt fence in preparation for future development works.
2020	<ul style="list-style-type: none"> The site appears vacant with all trees removed. Sideline 26 east adjacent to the Site is visible as under development from a two (2) lane road to a new road, "Whites Road", as a six (6) lane road. The surrounding property approximately 50m to 200m north of Site is observed under construction for the realignment of Whiteville Road. No other significant changes were shown on the Site and surrounding compared to the 2018 aerial photograph.
2022	<ul style="list-style-type: none"> No significant changes were shown on the Site compared to the 2020 aerial photograph. The south adjacent property is shown as under development for a new road "Alexander Knox Road" in east-west direction; followed by vacant agricultural land. The east adjacent property is redeveloped with "Whites Road", a six (6) lane road, resembling present day road alignment.

Aerial Photograph	Details
	<ul style="list-style-type: none"> The property 30m east of Site across Whites Road is observed under development with the new road "Alexander Knox Road" in east-west direction. A large soil stockpile was also visible approximately 40m east of Site across Whites Road. Whitevale Road is visible as realigned connected to Whites Road approximately 50m north of Site, resembling present day road alignment. No other significant changes were shown on the surrounding compared to the 2020 aerial photograph.

Based on a review of the historical aerial photographs, the Site appears to be historically developed with a residential building at the east portion of the Site along with a gravel access path to Sideline 26 from the early 1970s to 2017. A swimming pool was also present west adjacent to the residential building from the early 1990s to 2017. The residential building and the swimming pool on Site had been removed between 2017 and 2018. The site was observed as vacant with no structures since 2018.

The surrounding properties to the north generally consisted of a mix of agricultural land use with associated residential homesteads from the 1960s. The surrounding properties to the east, west and south were under agricultural land use since the 1960s. The south adjacent property is under development for a new road "Alexander Knox Road" in east-west direction from 2022.

4.3 Fire Insurance Plans (FIPs)

No Fire Insurance Plans for the Phase One Property were available for review.

4.4 City Directories

LGI Copy Services Canada (LGI) was contacted by EXP to search for the occupancy history of the Site and Phase I Study Area through the review of available city directories from their own database during the Phase One Environmental Site Assessment, Seaton A5 and SWMF #19, Part of Lots 27 and 28, Concession 4, Pickering, Ontario, "prepared by EXP., dated February 8, 2017. The available volumes of the City Directories (Polk's York Region, Ontario City Directories) dated 1999, 1994, 1989, 1984, 1979, were reviewed by LGI to determine the occupancy history of the subject address and adjacent properties. A copy of the City Directories is included in Appendix B.

Occupants of the Site included the following:

- No listings pertaining to the Site were reported.

Occupants of the neighbouring properties included the following:

- 3185 Sideline 26 is listed as residential in 1999.

In EXP's opinion, none of the listings reported in the City Directory search have likelihood to negatively impact the environmental conditions at the Site.

4.5 Previous Reports

The following environmental reports for the property covering the west, south and north adjacent lands of the Site were reviewed by EXP.

- The report entitled "Phase One Environmental Site Assessment, Seaton A5 and SWMF #19, Part of Lots 27 and 28, Concession 4, Pickering, Ontario, "prepared by EXP., dated February 8, 2017, was reviewed for this Phase I ESA. The

report was authored by Peter Woolfrey, M.Env.Sci., and Simon Lan, P.Eng., QPESA. The review of this report identified the following:

- The report consisted of a historical review of the west, south and north adjacent properties of the present Phase I Site.
 - At the time of the investigation, the north adjacent property of the present Phase I Study Area identified as 875 Whitevale Road was occupied by one (1) residential dwelling. This residence was unoccupied at the time of this Phase One ESA. The remainder of the Site included in the 2017 Phase One ESA consisted of cleared agricultural fields and forested vacant land.
 - Based on a review of historical aerial photographs, chain of title information, historical maps, and other records review, it appears that the Phase One Property was initially developed for agricultural and residential land use prior to the 1960s.
 - Based on the Phase One ESA findings, and conclusions reached, it is our opinion that a Phase Two ESA (i.e. sampling and analysis) is not required before a Record of Site Condition can be submitted for the Phase One Property.
2. The report entitled "Phase I Environmental Site Assessment, Proposed Residential Development, Part of Lots 27, Concession 4, Part 7 on Plan 40R-24275, Pickering, Ontario," prepared by Trow Associates Inc., dated February 16, 2009, was reviewed for this Phase I ESA. The report was authored by Robert Milne B. Eng., and Simon Lan, P.Eng. The review of this report identified the following:
- The report consisted of a historical review of the west, south and north adjacent properties of the present Phase I Site.
 - It was reported that historically the west, south and north adjacent properties were under agricultural and residential land use and remained so at the time of this Phase I ESA.
 - A concrete silo in the northern surrounding of the Site was the only structure on the property.
 - It was concluded that a Phase II ESA was not warranted.
3. The report entitled "Geotechnical Investigation, Proposed Residential Development, Part 1 on Plan 40R25574, Part of Lots 27 and 28, Concession 4, Pickering, Ontario" prepared by exp Services Inc., dated March 21, 2012 was reviewed for this Phase One ESA. The report was authored by Clement Chow, P. Eng. and Peter Chan, P. Eng. The review of the report identified the following:
- Five (5) soil samples were analyzed for general and inorganic parameters.
 - EXP compared the analytical results for these samples to current Table 8 MOE Standards which are now applicable to the Site. The results did not exceed the current standards.
 - The purpose of this investigation was to determine the subsurface soil and groundwater conditions at the west, south and north adjacent properties of the present Phase I Site by putting down sampled boreholes, and providing geotechnical engineering guidelines for the design and construction of the proposed residential development.
 - At the time of the investigation, the west, south and north adjacent properties of the present Phase I Site consisted of three (3) tree lined corn fields. A grass field with a partially demolished concrete silo was located at the north surrounding of the site. Residential dwellings are present on the west and south sides of the grass field.

- The fieldwork was carried out during the period of April 6 to April 16, 2009. Thirty-one (31) sampled boreholes were drilled to depths ranging from 9.25 to 9.60 m below existing grade. Ground surface elevations at the borehole locations ranged from about 185.5 to 209 m.
 - Topsoil, comprising 180 to 410 mm dark brown silt or sandy silt with rootlets, was encountered surficially in all of the boreholes. A shallow sandy silt stratum was encountered below the topsoil layer in ten (10) of the thirty-one (31) boreholes drilled at the site. The sandy silt was brown in colour and generally existed in a loose state. A fine to medium grained sand deposit was encountered below the sandy silt stratum at one (1) borehole. The sand was brown in colour and existed in a compact to dense state. The predominant soil deposit at this site was glacial sandy silt till. Sandy silt till was encountered at depths ranging from 0.18 to approximately 0.9 m below existing grade in all of the boreholes. The sandy silt till deposit was brown and grey in colour and contained scattered gravel and cobbles. Wet sand/sand and gravel seams and layers were also common within this glacial till deposit.
 - Groundwater conditions were observed in seven (7) of the boreholes. After a period of 24 to 86 days, groundwater levels in the piezometers and wells ranged from 0.15 to 6.46 m below existing grade.
 - No methane gas was detected in any of the boreholes.
 - Two (2) grain size analyses were completed with estimated coefficients of permeability ranging from 10^{-6} to 10^{-3} .
4. The report entitled "Geotechnical Investigation, Proposed Storm Water Management Pond #20, Parcel A5, Part 1 on Plan 40R-25574, Pickering, Ontario" prepared by exp Services Inc., dated March 1, 2013 was reviewed for this Phase One ESA. The report was authored by Clement Chow, P. Eng. and Peter Chan, P. Eng. The review of the report identified the following:
- This report presented the results of a geotechnical investigation carried out for proposed Storm Water Management Pond #20 located at the proposed residential development referred to as Parcel A5, Part 1 on Plan 40R-25574 in Pickering, Ontario.
 - The fieldwork was carried out on May 9, 2011. One (1) sampled borehole, designated Borehole 20, was drilled to a depth of 8.1 m below existing grade.
 - The soil stratigraphy in the proposed SWMP area, as revealed in the borehole, comprised topsoil overlying native deposit of sandy silt till.
 - After a period of 12 days, groundwater level in the monitoring well at Borehole 20 was at 0.02 m below existing grade. It was inferred that the groundwater level was influenced by perched groundwater condition at the ground surface and in the upper level of the soil profile.
5. The report entitled "Geotechnical Investigation, Proposed Storm Water Management Facility #20" prepared by exp Services Inc., dated August 15, 2013 was reviewed for this Phase One ESA. The report was authored by Clement Chow, P. Eng. and Peter Chan, P. Eng. The review of the report identified the following:
- The report presents the results of a geotechnical investigation carried out for proposed Storm Water Management Facility #20 located south of the proposed residential development referred to as Seaton Parcel A5, Part 1 on Plan 40R-25574 in Pickering, Ontario. A previous geotechnical investigation for SWMF #20 was conducted just south of the southeast corner of Parcel A5 in May 2011. Recently, consideration has been given to relocating SWMF #20 further to the south. Additional boreholes are required at the possible new location of SWMF #20.

- The fieldwork was carried out on June 18, 2013. Three (3) sampled boreholes were drilled to depths of 8.10 to 15.55 m below existing grade.
- The stratigraphy at the possible new location of SWMF #20, as revealed in the boreholes, comprised topsoil overlying surficial sandy silt followed by a major deposit of glacial sandy silt till.
- Short-term groundwater levels in the monitoring wells installed in the boreholes ranged from 1.28 to 2.30 m below existing grade. The groundwater primarily originated from pervious seams and layers in the sandy silt till deposit.
- One (1) grain size analyses were completed with estimated coefficients of permeability ranging from 10^{-6} to 10^{-5} .

4.6 Chain of Title

A chain of title was not conducted for the Site at the time of this Phase I ESA as sufficient historical information was obtained from other historical sources to establish a Site history.

4.7 Regulatory Requests

The appropriate regulatory agencies at the provincial and municipal levels were contacted to obtain information regarding environmental permits, past or pending environmental control orders or complaints and outstanding environmental regulatory non-compliance issues. EXP did not identify the need to contact any federal agencies.

4.7.1 Ministry of the Environment, Conservation and Parks (MECP)

On March 30, 2023, a preliminary search request for information was submitted to the MECP Freedom of Information, Protection of Privacy Office for information in their files regarding the Site that pertain to any Environmental Concerns, Orders and Spills. A preliminary search response letter, dated April 6, 2023, identified potential records relating to property including records relating to correspondence, abatement, occurrence reports, sewage approval, water approval, permit to take water, and municipal and private sewage works.

A formal request for the identified potential records relating to property was submitted on April 10, 2023, to the MECP Freedom of Information, Protection of Privacy Office for information in their files regarding the Site that pertain to any Environmental Concerns, Orders and Spills. Upon receipt of the response from the MECP, any significant environmental issues identified will be summarized in an addendum.

A copy of the MECP request is included in Appendix D.

4.7.2 Technical Standards and Safety Authority

The Technical Standards and Safety Authority (TSSA) is the Provincial regulatory agency responsible for overseeing the storage of fuels in Ontario. As such, the TSSA maintains a database (approximately 1987 to present) of all registered fuel storage tanks in Ontario.

On March 30, 2023, a Customer Service Representative for the TSSA was contacted by email and requested to search the TSSA database for records of fuel storage at the Site and adjacent properties. A written response from the TSSA was received on March 30, 2023. The search of the TSSA database did not identify any records for the Site and adjacent properties.

The e-mail correspondence with the TSSA is presented in Appendix D.

4.8 Company Records

No company records were made available to EXP at the time of this Phase I ESA.

4.9 ERIS Database Report

A search of provincial and federal databases for records pertaining to the Site and Phase I Study Area was conducted by ERIS on March 30, 2023. EXP has confirmed neither the completeness nor the accuracy of the records that were provided. It is noted that for the purpose of this Phase I ESA, only records located within the Phase I Study Area were reviewed.

A copy of the ERIS report is provided in Appendix E, with a summary of the noteworthy findings are provided in the following table.

Address	Distance from the Site	Database	Description of notable findings	Potential Environmental Concern (YES/NO)
SITE				
No records were identified in the ERIS report for the Site				
SURROUNDING PROPERTIES				
Lot 26, Concession 4, ON	~100m east-northeast of Site	Water Well Information System (WWIS)	One (1) <i>not used- Observation well</i> , (well ID: 1912057) is listed as completed on January 23, 1993.	No, based on type of listing, the potential environmental concern is anticipated to be low.
Lot 27, Concession 4, ON	~130m north of Site	Water Well Information System (WWIS)	One (1) <i>Domestic water supply well</i> , (well ID: 4603761) is listed as completed on September 13, 1968.	No, based on type of listing, the potential environmental concern is anticipated to be low.
3185 Sideline 26, ON	~190m east of Site	Water Well Information System (WWIS)	One (1) <i>monitoring observation well</i> , (well ID: 7259841) is listed as completed on December 4, 2015.	No, based on type of listing, the potential environmental concern is anticipated to be low.
Lot 26, Concession 4, ON	~230m north northeast of Site	Water Well Information System (WWIS)	One (1) <i>unknown well</i> , (well ID: 7288772) is listed as completed on March 24, 201.	No, based on type of listing, the potential environmental concern is anticipated to be low.

None of the above listings suggest potential contaminating activities that would result in areas of potential environmental concern at the Site due to their usage, distance, and their location relative to the Site and the inferred direction of groundwater flow for possible contaminant migration.

4.10 Record of Site Condition

A Record of Site Condition (RSC) summarizes the environmental conditions of a property as determined by a qualified person (QP) by conducting a Phase I ESA, and where necessary, a Phase II ESA, confirmatory sampling and a risk assessment. Upon completion of the necessary Environmental Site Assessments, an RSC for an assessed property can be filed with the MECP and added to the Environmental Brownfields Site Registry database. This online, publicly available database can be searched to identify what properties may have potential environmental concerns.

According to the ERIS database report, no RSC was filed for the Site.

4.11 Maps

The following geological and soil maps were reviewed:

- Topographic Map available at the Natural Resources Canada (NRC) website <http://atlas.gc.ca/toporama/en/index.html>
- "Quaternary Geology, Seamless coverage of the Province of Ontario"; Data Set 14 - Revised, Scale 1: 1,000,000 Issued 2000.
- "Bedrock Geology of Ontario, Southern Sheet," Ontario Geological Survey, MDR126-REV1. Scale 1:250,000. Issued 2011.

The review of the geological maps identified the following:

- Overburden soils: Glaciolacustrine Deposits: silt and clay, minor sand; basin and quiet water deposits.
- Bedrock (Upper Ordovician): consists of shale, limestone, dolostone, siltstone (Georgian Bay, Blue Mountain, Billings, Collingwood, and Eastview Formations).
- The Site is shown to be located in rural area north of the City of Pickering. The residence on the south side of Whitevale Road, approximately 120m north- northwest of Site are visible on the map. Based on a review of the topographic map, the surface topography at the Site slopes slightly west towards a tributary creek of West Duffins Creek. Based on the surficial topography of the area the groundwater gradient likely follows southwest.

5 Interviews

Interviews were conducted by EXP with the individuals identified to be the most knowledgeable about both the current and historical Site uses. The interviews were conducted in order to obtain information to assist in identifying areas of potential environmental concern and identify details of potentially contaminating activities or potential contaminant pathways, in, on or below the Site.

Ms. Alexa-Rae Valente, Project Manager - Planning for DG Group Development, was interviewed at the time of EXP's Site visit. Ms. Valente answered questions and provided information regarding the current and historical uses of the Site. Any pertinent information ascertained from the interview has been incorporated into this report.

6 Site Visit

On March 27, 2023 between 10:00am and 12:00pm, Mr. Renjith Kuriakose Zachariah, M.Sc., MBA of EXP conducted the Site visit in accordance with EXP's internal health and safety protocols and with the Ministry of Labour health and safety regulations. The purpose of the Site visit was to assess the current conditions of the Site. At the time of EXP's Site visit the weather was partly cloudy with an average temperature of 3°C.

The general environmental management and housekeeping practices at the Site were reviewed as part of this assessment insofar as they could impact the environmental condition of the Site; however, a detailed review of regulatory compliance issues was beyond the scope of EXP's investigation.

The Site and the adjoining properties were observed from the Site and/or publicly accessible areas. Photographs documenting the Site visit are included in Appendix A.

6.1 Site

6.1.1 Property Use

At the time of EXP's site visit, the Site was vacant and was not improved with any permanent structures or buildings. The Site is primarily covered with vegetation.

The overall topography of the Site is generally sloping downward to the southwest.

6.1.2 Buildings and Structures

The Site is currently undeveloped and vacant, with no permanent structures noted. There is no vehicular access to the Site.

6.1.3 Limitations at the Site

Access was available to all parts of the Site at the time of EXP's site reconnaissance.

6.1.4 Chemical Inventory, Storage and Handling and Floor Condition

No evidence of chemical storage was observed at the time of the site visit.

6.1.5 Storage Tanks and Containers

No aboveground storage tanks (ASTs) were observed on the Site at the time of EXP's site visit. No indicators suggesting the presence of underground storage tanks (USTs) such as fill pipes or vent pipes were observed on the Site at the time of the EXP's site visit.

6.1.6 Special Attention Substances

The Site was not improved with any significant permanent structures at the time of this Phase I ESA Study. As such, the presence of hazardous building materials or designated substances on the Site is considered unlikely.

6.1.7 Drains and Sumps

No drains or sumps were observed at the time of the site visit. No permanent buildings or structures were noted present on the Site that would require drainage.

6.1.8 Building Heating and Cooling Systems

The Site was not connected to natural gas supply at the time of the Site Visit. No permanent buildings or structures were noted present on the Site that would require heating/cooling systems.

6.1.9 Mechanical Equipment

No mechanical equipment was present at the Site.

6.1.10 Air Emissions

Air emissions in Ontario are regulated under the Environmental Protection Act (EPA) and its Regulations (O. Reg. 419/05, O. Reg. 245/11). Owners and operators of activities that may discharge a contaminant into the natural environment must seek approval from the Ministry of the Environment (ministry) to carry out these activities. As of October 31, 2011 amendments to the EPA resulted in a two path environmental approval process, the Environmental Compliance Approval (ECA) and Environmental Activity and Sector Registry (EASR). The EASR allows businesses to register certain activities with the ministry, rather than apply for approvals. The EASR is for common systems and processes, currently for heating systems, standby power systems and automotive refinishing, to which present rules of operation can be applied. Unless explicitly exempted, most industrial processes or modification to industrial processes and equipment require an ECA, formerly a Certificate of Approval (Air and Noise). Retroactive approval should be sought for equipment installed and unchanged between 1972 and June 29th, 1988 when the requirement for an ECA was added to the EPA. The EPA provides a list of specific equipment and conditions, which are exempt from approval requirements (i.e., fuel burning equipment for comfort heating in a building using natural gas or number 2 fuel oil at a rate of less than 1.5 million British Thermal Units per hour [BTU/hour]).

At the time of the site visit, no operations were observed on-site that would require MECP approval for air emissions.

6.1.11 Odour and Noise

No chemical or other significant odours were detected during the site visit. No excessive noise was noted at the Site during the site visit.

6.1.12 Sewage and Wastewater Disposal

The Site is currently not serviced by the City's sewer/wastewater disposal system.

6.1.13 Liquid Chemical Waste Generation, Storage & Disposal

The Site is vacant and undeveloped and does not generate any liquid chemical waste.

6.1.14 Solid Waste Generation, Storage & Disposal

Waste generation practices on the Site were not observed at the time of the site visit.

6.1.15 Topographic, Geologic and Hydrogeologic Conditions

Based on observations made at the time of the Site visit, the Site appears to be generally flat. The local area has a gentle downwards slope towards the south.

Based on a review of the topographic map, the surface topography at the Site slopes west towards a tributary creek of West Duffins Creek. Based on the surficial topography of the area the groundwater gradient likely follows southwest (ORMPG 2023).

The actual groundwater flow direction can only be determined by long term groundwater elevation investigation in the area. The groundwater flow direction may also be influenced by utility trenches and other subsurface structures and may preferentially migrate in the bedding materials.

6.1.16 Water Courses, Ditches and Site Drainage

No open water bodies, water courses and/or ditches were observed on the Site at the time of EXP's site visit. The Site drainage is controlled through natural relief and drains towards the low points of the Site in vegetated areas.

6.1.17 Abandoned and Existing Wells

No evidence of abandoned or existing water wells was found on the Site at the time of EXP's site visit.

6.1.18 Potable Water Sources

The site is not connected to the municipal water source.

6.1.19 Fill Material

No evidence of imported fill material, such as fill stockpiles or earth berms, was observed on Site.

It is understood from the Site Representative that the locations of the former residential building and the swimming pool on Site were backfilled with soil sourced from within the Site.

6.1.20 Stained Materials

No evidence of surficial staining was observed at the Site during our site visit.

6.1.21 Stressed Vegetation

No stressed vegetation was observed during the Site visit.

6.1.22 Roads, Parking Facilities and Right of Ways

The Site is bordered by Whites Road to the east. However, there was no vehicular access to the Site. No Right of Ways were observed at the time of the site visit.

6.1.23 Pits and Lagoons

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

6.1.24 Unidentified Substances

No unidentified substance was noted on Site at the time of the Site visit.

6.2 Surrounding Properties

A visual reconnaissance of the adjoining properties and properties within the Phase I Study Area was conducted from publicly accessible areas to identify the occupants and document the uses and sources of potential environmental concern that may impact the Site. The information collected is as follows:

- Whites Road to the west followed by mixed agricultural and residential land uses as well as vacant land being developed into a new residential subdivision;
- A new road, "Alexander Knox Road", under construction south adjacent of the Site in east-west orientation; followed by agricultural land use;
- Agricultural land use north adjacent to the Site, followed by residential and agricultural land uses as well as Whitevale Road located approximately 50m north of Site; and,
- Agricultural land use on the west adjacent and surrounding properties.

7 Summary of Findings and Conclusions

Based on the Phase I ESA findings, including Site observations, information provided by the Site representative, the review of environmental databases, available historical information, and pending the information requested from the Ministry of Environment, Conservation and Parks (MECP), the following summary is provided:

Issues of Potential Environmental Concern	Media and Potential Contaminants of Concern	Comments
Site		
No potential environmental concerns were identified for the Site.		
Surrounding Properties		
No potential environmental concerns were identified for the surrounding properties.		

8 Recommendations

Based on the results of this Phase I ESA, and conclusions reached, it is our opinion that a Phase II Environmental Site Assessment (i.e. sampling and analysis) is not warranted for the Site at this time.

9 Qualifications of Assessors

The records review and Site visit for this assessment were conducted by Mr. Renjith Kuriakose Zachariah, MSc., MBA. who has been trained to conduct Phase I ESAs in accordance with the CSA Standard and Ontario Regulation 153/04 (as amended).

This report was reviewed by Mr. Simon Lan, P.Eng. Mr. Lan obtained his Civil Engineering degree from the University of Toronto and has over 22 years of diverse hands-on experience in environmental site assessments, environmental investigations, remediation of contaminated sites, survey and abatement of designated substances and hazardous building materials and project management. He has conducted numerous Phase I ESAs for commercial, industrial, residential clients and government agencies. Mr. Lan is a Qualified Person (QPESA) as defined in Ontario Regulation 153/04 (as amended) and had filed numerous Record of Site Conditions (RSCs) for various land development projects.

EXP Services Inc. provides a full range of environmental services through a full-time Environmental Services Group. EXP's Environmental Services Group has developed a strong working relationship with clients in both the private and public sectors and has developed a positive relationship with the Ontario Ministry of the Environment, Conservation and Parks. Personnel in the numerous branch offices form part of a large network of full-time dedicated environmental professionals in the EXP organization.

10 References

1. Canadian Standards Association. November 2001. Z768-0 Phase I Environmental Site Assessment.
2. Occupational Health and Safety Act - Ministry of Labour (MOL).
3. Topographic Map available at the Natural Resources Canada (NRC) website <http://atlas.gc.ca/toporama/en/index.html>
4. "Quaternary Geology, Seamless coverage of the Province of Ontario"; Data Set 14 - Revised, Scale 1: 1,000,000 Issued 2000.
5. "Bedrock Geology of Ontario, Southern Sheet," Ontario Geological Survey, MDR126-REV1. Scale 1:250,000. Issued 2011.
6. Inventory of Coal Gasification Plant Waste Sites in Ontario. Ontario Ministry of the Environment, April 1987.
7. Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario. Ontario Ministry of the Environment, November 1988.
8. Waste Disposal Site Inventory. Waste Management Branch Ontario Ministry of the Environment, June 1991.
9. Ontario Inventory of PCB Storage Sites. Ontario Ministry of the Environment, 1993- 2003-2004.
10. Hazardous Waste Information Systems (HWIS, 1986-2005).
11. <https://www.toronto.ca/city-government/data-research-maps/maps/interactive-toronto-map/>
12. <https://www.toronto.ca/city-government/accountability-operations-customer-service/access-city-information-or-records/city-of-toronto-archives/whats-online/>
13. Ontario Ministry of the Environment, Brownfields Registry website (www.ene.gov.on.ca/enviromet/BESR/index.htm).
14. <https://oakridgeswater.ca/SitePages/Maps.aspx>.
15. Ontario Regulation 362 (PCBs).
16. Designated Substances - Ontario Regulation 490/09.
17. Ozone Depleting Substances - Ontario Regulation 463/10.
18. Canadian Construction Association (CCA) document 82-2004 titled "Mould Guidelines for the Canadian Construction Industry".
19. Environmental Abatement Council of Ontario (EACO) guidelines titled "EACO Mould Abatement Guidelines, Edition 2 (2010)".
20. Health Canada document entitled "Canadian Guidelines for Management of Naturally Occurring Radioactive Materials (NORM) dated June 2007.
21. The Map (<https://c-nrpp.ca/radon-map>) from the Canadian – National Radon Proficiency Program (C-NRPP).
22. Air emissions in Ontario Regulations (O. Reg. 419/05, O. Reg. 245/11).
23. Environmental Compliance Approval (ECA) and Environmental Activity and Sector Registry (EASR). ORMGP 2022 – Oak Ridges Moraine Groundwater Program 2022 – website
24. "Phase One Environmental Site Assessment, Seaton A5 and SWMF #19, Part of Lots 27 and 28, Concession 4, Pickering, Ontario, "prepared by EXP., dated February 8, 2017.
25. "Phase I Environmental Site Assessment, Proposed Residential Development, Part of Lots 27, Concession 4, Part 7 on Plan 40R-24275, Pickering, Ontario," prepared by Trow Associates Inc., dated February 16, 2009.
26. "Geotechnical Investigation, Proposed Residential Development, Part 1 on Plan 40R25574, Part of Lots 27 and 28, Concession 4, Pickering, Ontario" prepared by exp Services Inc., dated March 21, 2012.
27. "Geotechnical Investigation, Proposed Storm Water Management Pond #20, Parcel A5, Part 1 on Plan 40R-25574, Pickering, Ontario" prepared by exp Services Inc., dated March 1, 2013.
28. "Geotechnical Investigation, Proposed Storm Water Management Facility #20" prepared by exp Services Inc., dated August 15, 2013.

11 Limitations and Use of Report

BASIS OF REPORT

This report ("Report") is based on site conditions known or inferred by the investigation undertaken as of the date of the Report. Should changes occur which potentially impact the condition of the site the recommendations of EXP may require re-evaluation.

RELIANCE ON INFORMATION PROVIDED

The evaluation and conclusions contained in the Report are based on conditions in evidence at the time of site inspections and information provided to EXP by the Client and others. The Report has been prepared for the specific site, development, building, design or building assessment objectives and purpose as communicated by the Client. Unless EXP has reason to believe information is incorrect exercising the standard of care set out in the Services Agreement, EXP has relied in good faith upon such representations, information and instructions and accepts no responsibility for any deficiency, misstatement or inaccuracy contained in the Report as a result of any misstatements, omissions, misrepresentation or fraudulent acts of persons providing information. The applicability and reliability of the findings, recommendations, suggestions or opinions expressed in the Report may not be accurate if there has been a material alteration to or variation from the information provided to EXP. If new information about the environmental conditions at the Site is found, the information should be provided to EXP so that it can be reviewed and revisions to the conclusions and/or recommendations can be made, if warranted.

STANDARD OF CARE

The Report has been prepared in a manner consistent with the degree of care and skill exercised by engineering consultants currently practicing under similar circumstances and locale. No other warranty, expressed or implied, is made. Unless specifically stated otherwise, the Report does not contain environmental consulting advice.

COMPLETE REPORT

In order to properly understand the suggestions, recommendations and opinions expressed in the Report, reference must be made to the Report in its entirety. EXP is not responsible for use by any party of portions of the Report.

USE OF REPORT

The information and opinions expressed in the Report, or any document forming part of the Report, are for the sole benefit of the Client and any other authorized user. No other party may use or rely upon the Report in whole or in part without the written consent of EXP. Any unauthorized use of the Report, or any portion of the Report, by a third party are the sole responsibility of such third party. EXP is not responsible for damages suffered by any third party resulting from unauthorised use of the Report.

REPORT FORMAT

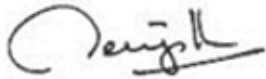
Where EXP has submitted both electronic file and a hard copy of the Report, or any document forming part of the Report, only the signed and sealed hard copy shall be the original documents for record and working purposes. In the event of a dispute or discrepancy, the hard copy shall govern. Electronic files transmitted by EXP utilize specific software and hardware systems. EXP makes no representation about the compatibility of these files with the Client's current or future software and hardware systems. Regardless of format, the documents described herein are EXP's instruments of professional service and shall not be altered without the written consent of EXP.

EXP Services Inc.

Phase I Environmental Site Assessment (ESA)
Seaton A11 Residential Development, Whites Road, Pickering, ON
BRM-23004070-A0
April 19, 2023

We trust this report satisfies your immediate requirements. If you have any questions regarding the information in this report, please do not hesitate to contact this office.

EXP Services Inc.

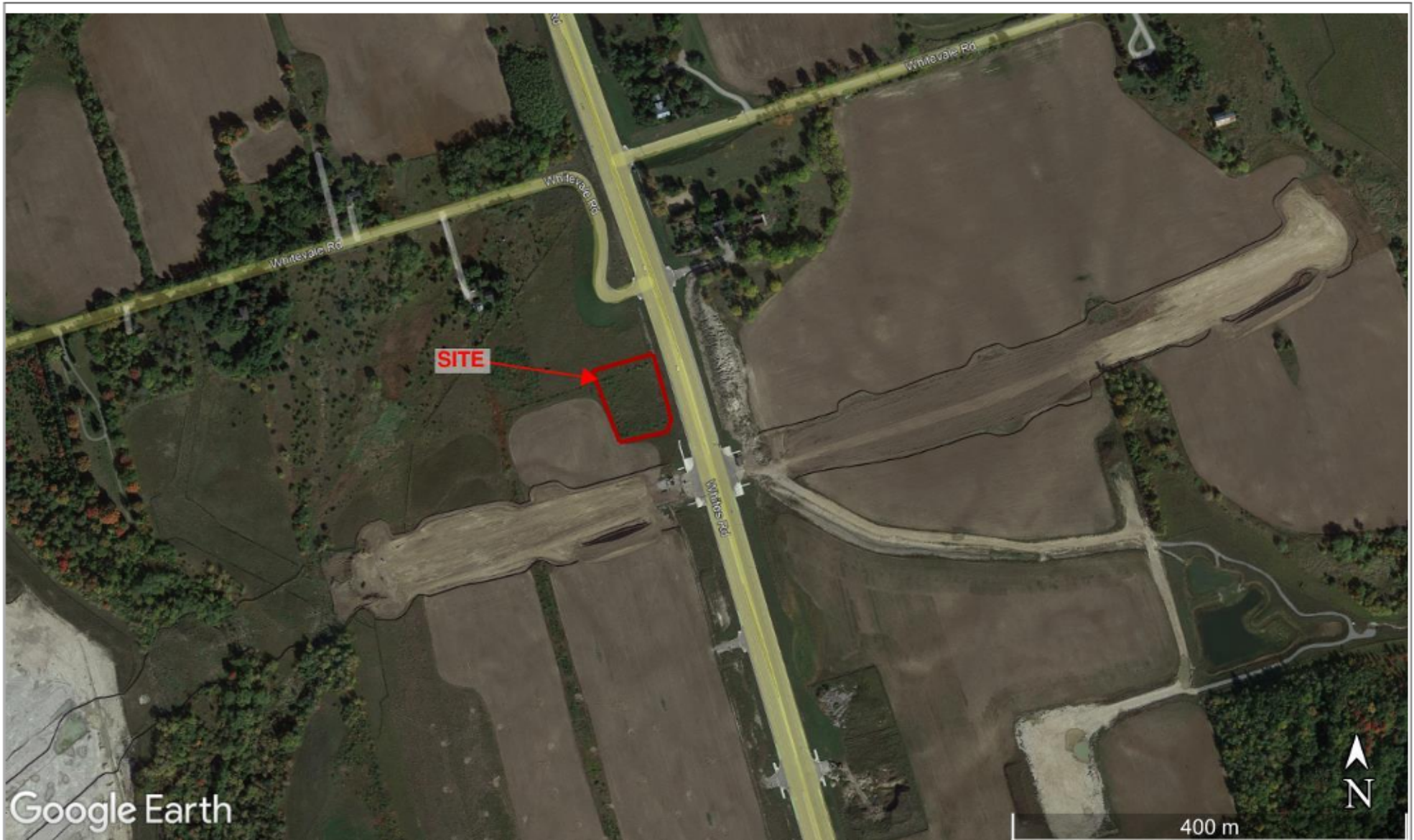


Renjith Kuriakose Zachariah, M.Sc., MBA
Environmental Scientist
Earth and environment Group



Simon Lan, P.Eng., QPESA
Discipline Manager, Markham Geotechnical
Earth and environment Group

Figures



<p>Figure 1 – Site Location Plan: Phase I Environmental Site Assessment Seaton A11 Residential Development, Whites Road, Pickering, ON</p>	<p>Project Number: BRM-23004070-A0 Source: Google Earth Date: April 2023</p>		<p>220 Commerce Valley Drive West Suite 110 Markham, Ontario L3T 0A8 (905) 695-3217 www.exp.com</p>
<p>Drawn By: Renjith Kuriakose Zachariah Checked By: Simon Lan</p>			



Figure 2 – Site Map:
 Phase I Environmental Site Assessment
 Seaton A11 Residential Development,
 Whites Road, Pickering, ON

Project Number: BRM-23004070-A0
 Source: Google Earth
 Date: April 2023

Drawn By: Renjith Kuriakose Zachariah
 Checked By: Simon Lan



220 Commerce Valley Drive West Suite 110
 Markham, Ontario L3T 0A8
 (905) 695-3217 www.exp.com

Appendix A – Site Photographs



Photograph No. 1
View of northeast portion of Site & Whites Road
(Looking North)



Photograph No. 2
View of southwest portion of Site
(Looking west)



Photograph No. 3
View of west portion of Site (Looking north)



Photograph No. 4
View from central portion of Site towards central-east
portion of Site, Whites Road and south surrounding
property (Looking east)



Photograph No. 5
View from central portion of Site towards north-
northeast portion Site and north adjacent property
(Looking north)



Photograph No. 6
View from central portion of Site towards northwest
portion Site and north- northwest adjacent property
(Looking northwest)



Photograph No. 7
View from central portion of Site towards west portion Site and west adjacent property (Looking west)



Photograph No. 8
View from central portion of Site towards southwest portion Site and south-southwest adjacent property (Looking southwest)



Photograph No. 9
View from central portion of Site towards south portion Site and new road construction at the south adjacent property (Looking south)



Photograph No. 10
View from central portion of Site towards southeast portion of Site, Whites Road and southeast surrounding property (Looking southeast)



Photograph No. 11
View of Site north portion Site (Looking south)

Appendix B – City Directories



www.lgicscanada.com
 alantos@lgicscanada.com
 Phone : 613 875-7387

City Directory Information Source
Polk's York Region, ON Criss Cross Directory

PROJECT NUMBER: EXP A5	
Site Address:	Pickering, Ontario
Year: 1999	
Site Listing:	- No Site Specified
Adjacent Properties:	
Whites Road (Sideline 26) (2800-3500)	3185- Res (1 Tenant)
Whitevale Road (700-1055)	- All Residential

PROJECT NUMBER: EXP A5	
Site Address:	Pickering, Ontario
Year: 1994	

Site Listing:	- No Site Specified
Adjacent Properties:	
Whites Road (Sideline 26) (2800-3500)	- No Listings Within Range
Whitevale Road (700-1055)	- No Listings Within Range

PROJECT NUMBER: EXP A5	
Site Address:	Pickering, Ontario
Year: 1989	
Site Listing:	- No Site Specified
Adjacent Properties:	
Whites Road (Sideline 26) (2800-3500)	- No Listings Within Range
Whitevale Road (700-1055)	- Street Not Listed

PROJECT NUMBER: EXP A5	
Site Address:	Pickering, Ontario
Year: 1984	

Site Listing:	- No Site Specified
Adjacent Properties:	
Whites Road (Sideline 26) (2800-3500)	- No Listings Within Range
Whitevale Road (700-1055)	- Street Not Listed

PROJECT NUMBER: EXP A5	
Site Address:	Pickering, Ontario
Year: 1979	
Site Listing:	- No Site Specified
Adjacent Properties:	
Whites Road (Sideline 26) (2800-3500)	- Street Not Listed
Whitevale Road (700-1055)	- Street Not Listed

PROJECT NUMBER: EXP A5	
Site Address:	Pickering, Ontario
Year: 1973/74	

Site Listing:	- No Site Specified
Adjacent Properties:	
Whites Road (Sideline 26) (2800-3500)	- Street Not Listed
Whitevale Road (700-1055)	- Street Not Listed

PROJECT NUMBER: EXP A5	
Site Address:	Pickering, Ontario
Year: 1969	
Site Listing:	- No Site Specified
Adjacent Properties:	
Whites Road (Sideline 26) (2800-3500)	- Street Not Listed
Whitevale Road (700-1055)	- Street Not Listed

PROJECT NUMBER: EXP A5	
Site Address:	Pickering, Ontario

Year: 1962	
Site Listing:	- No Site Specified
Adjacent Properties:	
Whites Road (Sideline 26) (2800-3500)	- Street Not Listed
Whitevale Road (700-1055)	- Street Not Listed

Appendix C – Regulatory Requests

Renjith Kuriakose Zachariah

From: Public Information Services <publicinformationservices@tssa.org>
Sent: Thursday, March 30, 2023 4:03 PM
To: Renjith Kuriakose Zachariah
Subject: RE: Fuel Storage Record Search-3160 Sideline 26, Locust Hill, Pickering ON?



CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Please refrain from sending documents to head office. The Public Information (PI) team works remotely, mailing in applications will lengthen the overall processing time.

NO RECORD FOUND IN CURRENT DATABASE

Hello,

Thank you for your request for confirmation of public information. TSSA has performed a preliminary search of TSSA's current database.

- We confirm that there are no records in our current database of any fuel storage tanks at the subject address(es).

This is not a confirmation that there are no records in the archives. For a further search in our archives, please submit an application for release of public information (PI Form) through TSSA's new Service Prepayment Portal. The associated fee must be paid via credit card (Visa or MasterCard) through a secure site.

Please follow the steps below to access the new application(s) and Service Prepayment Portal:

1. Click [Release of Public Information - TSSA](#) - TSSA and click "need a copy of a document";
2. Select the appropriate application, download it and complete it in full; and
3. Proceed to page 3 of the application and click the link TSSA Service Prepayment Portal under payment options (the link will take you the secure site to pay for the release via credit card).

Accessing the Service Prepayment Portal:

1. Select new or existing customer (*if you are an existing customer, you will need your account # & postal code to access your account);
2. Select the program area: AD (Amusement Devices), BPV (Boilers and Pressure Vessels), ED (Elevating Devices), FS (Fuels Services), OE (Operating Engineers) or SKI (Ski Lifts) and click continue;
3. Enter the application form number (obtained from bottom left corner of application form) and click continue;
 - a. When selecting the application form number from the drop-down menu, please make sure you select the application that begins with "PI" (i.e. PI-FS, PI-BPV etc.);
4. Complete the primary contact information section;
5. Complete the fees section;
6. Upload your completed application; and
7. Upload supporting documents (if required) and click continue.

Once all steps have been successfully completed, you will receive your receipt via email.

Questions? Please contact TSSA's Public Information Release team at publicinformationservices@tssa.org.

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

Kind Regards,



Nicola Carty | Public Information Agent

Public Information
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1 416-734-3221 | E-Mail: ncarty@tssa.org
www.tssa.org



Winner of 2022 5-Star Safety Cultures Award

From: Renjith Kuriakose Zachariah <Renjith.KuriakoseZachariah@exp.com>
Sent: Thursday, March 30, 2023 11:54 AM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Fuel Storage Record Search-3160 Sideline 26, Locust Hill, Pickering ON?

[CAUTION]: This email originated outside the organisation.
Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Good Morning,

Could you please search the TSSA database for fuel storage records pertaining to the a property located at 3160 Sideline 26, Locust Hill, Pickering, ON?

Thank you in advance for your assistance.

Kind Regards,



Renjith Kuriakose Zachariah, M.Sc., MBA

EXP | Environmental Scientist

t : +1.905.695.3217, 63673 | m : +1.416.505.1834 | e : renjith.kuriakosezachariah@exp.com

220 Commerce Valley Drive West

Suite 110

Markham, ON L3T 0A8

CANADA

exp.com | [legal disclaimer](#)

keep it green, read from the screen

This electronic message and any attached documents are intended only for the named recipients. This communication from the Technical Standards and Safety Authority may contain information that is privileged, confidential or otherwise protected from disclosure and it must not be disclosed, copied, forwarded or distributed without authorization. If you have received this message in error, please notify the sender immediately and delete the original message.

Renjith Kuriakose Zachariah

From: Public Information Services <publicinformationsservices@tssa.org>
Sent: Thursday, March 30, 2023 4:04 PM
To: Renjith Kuriakose Zachariah
Subject: RE: Fuel Storage Record Search-875 Whitevale Rd, Pickering, ON



CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Please refrain from sending documents to head office. The Public Information (PI) team works remotely, mailing in applications will lengthen the overall processing time.

NO RECORD FOUND IN CURRENT DATABASE

Hello,

Thank you for your request for confirmation of public information. TSSA has performed a preliminary search of TSSA's current database.

- We confirm that there are no records in our current database of any fuel storage tanks at the subject address(es).

This is not a confirmation that there are no records in the archives. For a further search in our archives, please submit an application for release of public information (PI Form) through TSSA's new Service Prepayment Portal. The associated fee must be paid via credit card (Visa or MasterCard) through a secure site.

Please follow the steps below to access the new application(s) and Service Prepayment Portal:

1. Click [Release of Public Information - TSSA](#) - TSSA and click "need a copy of a document";
2. Select the appropriate application, download it and complete it in full; and
3. Proceed to page 3 of the application and click the link TSSA Service Prepayment Portal under payment options (the link will take you the secure site to pay for the release via credit card).

Accessing the Service Prepayment Portal:

1. Select new or existing customer (*if you are an existing customer, you will need your account # & postal code to access your account);
2. Select the program area: AD (Amusement Devices), BPV (Boilers and Pressure Vessels), ED (Elevating Devices), FS (Fuels Services), OE (Operating Engineers) or SKI (Ski Lifts) and click continue;
3. Enter the application form number (obtained from bottom left corner of application form) and click continue;
 - a. When selecting the application form number from the drop-down menu, please make sure you select the application that begins with "PI" (i.e. PI-FS, PI-BPV etc.);
4. Complete the primary contact information section;
5. Complete the fees section;
6. Upload your completed application; and
7. Upload supporting documents (if required) and click continue.

Once all steps have been successfully completed, you will receive your receipt via email.

Questions? Please contact TSSA's Public Information Release team at publicinformationsservices@tssa.org.

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

Kind Regards,



Nicola Carty | Public Information Agent

Public Information
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1 416-734-3221 | E-Mail: ncarty@tssa.org
www.tssa.org



Winner of 2022 5-Star Safety Cultures Award

From: Renjith Kuriakose Zachariah <Renjith.KuriakoseZachariah@exp.com>

Sent: Thursday, March 30, 2023 11:56 AM

To: Public Information Services <publicinformationservices@tssa.org>

Subject: Fuel Storage Record Search-875 Whitevale Rd, Pickering, ON

[CAUTION]: This email originated outside the organisation.

Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Good Morning,

Could you please search the TSSA database for fuel storage records pertaining to the a property located at 875 Whitevale Rd, Pickering, ON?

Thank you in advance for your assistance.

Kind Regards,



Renjith Kuriakose Zachariah, M.Sc., MBA

EXP | Environmental Scientist

t : +1.905.695.3217, 63673 | m : +1.416.505.1834 | e : renjith.kuriakosezachariah@exp.com

220 Commerce Valley Drive West

Suite 110

Markham, ON L3T 0A8

CANADA

exp.com | [legal disclaimer](#)

keep it green, read from the screen

This electronic message and any attached documents are intended only for the named recipients. This communication from the Technical Standards and Safety Authority may contain information that is privileged, confidential or otherwise protected from disclosure and it must not be disclosed, copied, forwarded or distributed without authorization. If you have received this message in error, please notify the sender immediately and delete the original message.

Renjith Kuriakose Zachariah

From: Public Information Services <publicinformationsservices@tssa.org>
Sent: Thursday, March 30, 2023 4:03 PM
To: Renjith Kuriakose Zachariah
Subject: RE: Fuel Storage Record Search-3185 Whites Road, Pickering, ON?



CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Please refrain from sending documents to head office. The Public Information (PI) team works remotely, mailing in applications will lengthen the overall processing time.

NO RECORD FOUND IN CURRENT DATABASE

Hello,

Thank you for your request for confirmation of public information. TSSA has performed a preliminary search of TSSA's current database.

- We confirm that there are no records in our current database of any fuel storage tanks at the subject address(es).

This is not a confirmation that there are no records in the archives. For a further search in our archives, please submit an application for release of public information (PI Form) through TSSA's new Service Prepayment Portal. The associated fee must be paid via credit card (Visa or MasterCard) through a secure site.

Please follow the steps below to access the new application(s) and Service Prepayment Portal:

1. Click [Release of Public Information - TSSA](#) - TSSA and click "need a copy of a document";
2. Select the appropriate application, download it and complete it in full; and
3. Proceed to page 3 of the application and click the link TSSA Service Prepayment Portal under payment options (the link will take you the secure site to pay for the release via credit card).

Accessing the Service Prepayment Portal:

1. Select new or existing customer (*if you are an existing customer, you will need your account # & postal code to access your account);
2. Select the program area: AD (Amusement Devices), BPV (Boilers and Pressure Vessels), ED (Elevating Devices), FS (Fuels Services), OE (Operating Engineers) or SKI (Ski Lifts) and click continue;
3. Enter the application form number (obtained from bottom left corner of application form) and click continue;
 - a. When selecting the application form number from the drop-down menu, please make sure you select the application that begins with "PI" (i.e. PI-FS, PI-BPV etc.);
4. Complete the primary contact information section;
5. Complete the fees section;
6. Upload your completed application; and
7. Upload supporting documents (if required) and click continue.

Once all steps have been successfully completed, you will receive your receipt via email.

Questions? Please contact TSSA's Public Information Release team at publicinformationsservices@tssa.org.

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

Kind Regards,



Nicola Carty | Public Information Agent

Public Information
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1 416-734-3221 | E-Mail: ncarty@tssa.org
www.tssa.org



Winner of 2022 5-Star Safety Cultures Award

From: Renjith Kuriakose Zachariah <Renjith.KuriakoseZachariah@exp.com>

Sent: Thursday, March 30, 2023 11:54 AM

To: Public Information Services <publicinformationservices@tssa.org>

Subject: Fuel Storage Record Search-3185 Whites Road, Pickering, ON?

[CAUTION]: This email originated outside the organisation.

Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Good Morning,

Could you please search the TSSA database for fuel storage records pertaining to the a property located at 3185 Whites Road, Pickering, ON?

Thank you in advance for your assistance.

Kind Regards,



Renjith Kuriakose Zachariah, M.Sc., MBA

EXP | Environmental Scientist

t : +1.905.695.3217, 63673 | m : +1.416.505.1834 | e : renjith.kuriakosezachariah@exp.com

220 Commerce Valley Drive West

Suite 110

Markham, ON L3T 0A8

CANADA

exp.com | [legal disclaimer](#)

keep it green, read from the screen

This electronic message and any attached documents are intended only for the named recipients. This communication from the Technical Standards and Safety Authority may contain information that is privileged, confidential or otherwise protected from disclosure and it must not be disclosed, copied, forwarded or distributed without authorization. If you have received this message in error, please notify the sender immediately and delete the original message.

April 6, 2023

Renjith Kuriakose Zachariah
EXP SERVICES INC./LES SERVICES EXP INC.

Dear Renjith Kuriakose Zachariah
RE: Request #: EPI-2023-2000002244
Requestor provided Client Reference: BRM-23004070-A0
Site address: 3160 26 Sideline , Locust Hill, Pickering, Ontario

This letter confirms that, after conducting a thorough search of its source system applications, the ministry has identified potential records related to your property request. Our search indicates that the ministry may hold the following records:

- Correspondence, Abatement, Occurrence reports
- Sewage Approval¹
- Water Approval¹
- Permit To Take Water¹
- Municipal and Private Sewage Works¹

If you would like to submit a Freedom of Information (FOI) request to the ministry, please return to the table on the Requests tab of the EPI application and select "Submit FOI" under the Actions column in the row identified by EPI-2023-2000002244.

If you have any questions regarding the matter, please contact the ministry at eproperty@ontario.ca.

Sincerely,

Environmental Property Information (EPI) Program

Disclaimer

This search result is provided for informational purposes only and is not intended to provide specific advice or recommendations. The Ministry of the Environment, Conservation and Parks (MECP) cannot and does not guarantee that the information provided is current, accurate, complete, or free of errors. Any reliance upon this information is solely at the risk of the user.

¹ In addition to the core reports (e.g Environmental Compliance Approval), there may be extensive supporting documentation associated with this record type. When transferring your request over to FOI, we encourage you to refine the scope of your request

to only the supporting documentation required for your purposes, as the inclusion of this additional documentation can add significant processing time.

Le 6 avril 2023

Renjith Kuriakose Zachariah
EXP SERVICES INC./LES SERVICES EXP INC.

Madame,
Monsieur, Renjith Kuriakose Zachariah
Objet : No de demande : EPI-2023-2000002244
Le demandeur a fourni une référence client: BRM-23004070-A0
Adresse du site: 3160 26 Sideline , Locust Hill, Pickering, Ontario

La présente lettre confirme que, après avoir effectué une recherche exhaustive dans ses applications de système source, le ministère a circonscrit des dossiers potentiels reliés à votre demande concernant des biens immobiliers. Notre recherche indique que les dossiers suivants peuvent être en possession du ministère:

- Correspondence, Abatement, Occurrence reports
- Sewage Approval¹
- Water Approval¹
- Permit To Take Water¹
- Municipal and Private Sewage Works¹

Si vous souhaitez soumettre une demande de liberté d'information (FOI) au ministère, veuillez retourner au tableau de l'onglet Requêtes de l'application EPI et sélectionner "Soumettre FOI" dans la colonne Actions de la ligne identifiée par EPI-2023-2000002244.

Si vous avez des questions concernant votre demande, nous vous invitons à communiquer avec le ministère à l'adresse électronique suivante : eproperty@ontario.ca.

Veuillez recevoir mes salutations les plus sincères,

Programme d'Information Environnementale de la propriété

Avertissement

Ce résultat de recherche est fourni uniquement à titre informatif et n'a aucunement pour but de donner des conseils particuliers ou des recommandations. Le ministère de l'Environnement de la Protection de la nature et des Parcs (MEPP) ne peut pas garantir que les renseignements fournis sont à jour, exacts, complets et exempts d'erreurs. L'utilisateur qui se fie à ces renseignements le fait à ses seuls risques.

¹ En plus des rapports de base (par exemple, l'approbation de conformité environnementale), il peut y avoir de nombreux documents justificatifs associés à ce type d'enregistrement. Lors du transfert de votre demande vers FOI, nous vous encourageons à affiner la portée de votre demande en ne tenant compte que des pièces justificatives requises pour vos besoins, car l'inclusion de ces documents supplémentaires peut ajouter un temps de traitement important.

Ministry of the Environment,
Conservation and Parks

Access and Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075

Ministère de l'Environnement, de
la Protection de la nature et des
Parcs

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

12^e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075



April 12, 2023

Renjith Kuriakose Zachariah
EXP SERVICES INC./LES SERVICES EXP INC.
220 Commerce Valley Drive West, Unit 110
Markham, Ontario L3T 0A8
renjith.kuriakosezachariah@exp.com

Dear Renjith Kuriakose Zachariah:

RE: **MECP FOI A-2023-02205 / Your Reference BRM-23004070-A0 –
Acknowledgement Letter**

The Ministry is in receipt of your request made pursuant to the Freedom of Information and Protection of Privacy Act and has received your payment in the amount of \$5.00 (non-refundable application fee).

The search will be conducted on the following: 3160 Sideline 26 (Lot 27, Concession 4), Pickering. If there is any discrepancy, please contact us immediately.

Please note the file number that has been assigned to your request. This number should be referred to in all future communications with our office.

Also, the Ministry's Freedom of Information and Protection of Privacy Office (MECP Access and Privacy Office) is currently providing requesters with decisions/records via email. This allows requesters to obtain decisions containing records in a more timely and efficient way.

You may expect a reply or additional communication as your request is processed. For your information, the Ministry charges for search and preparation time.

Due to the COVID-19 outbreak, requesters may experience some delays with FOI requests at this time.

If you have any questions, please contact Nasreen Salar at 647-330-4599 or Nasreen.Salar@ontario.ca.

Yours truly,
MECP Access and Privacy Office

EXP Services Inc.

Phase I Environmental Site Assessment (ESA)
Seaton A11 Residential Development, Whites Road, Pickering, ON
BRM-23004070-A0
April 19, 2023

Appendix D –ERIS Report



DATABASE REPORT

Project Property: *Seaton A11 Residential Development,
Whites Road, south of Whitevale Road,
Pickering, Ontario
NW corner of Whites Road & Alexander
Knox Road
Pickering ON*

Project No: *-T-B-D*

Report Type: *Standard Report*

Order No: *23032700852*

Requested by: *exp Services Inc.*

Date Completed: *March 30, 2023*

Table of Contents

Table of Contents.....	2
Executive Summary.....	3
Executive Summary: Report Summary.....	4
Executive Summary: Site Report Summary - Project Property.....	6
Executive Summary: Site Report Summary - Surrounding Properties.....	7
Executive Summary: Summary By Data Source.....	8
Map.....	9
Aerial.....	10
Topographic Map.....	11
Detail Report.....	12
Unplottable Summary.....	23
Unplottable Report.....	24
Appendix: Database Descriptions.....	25
Definitions.....	34

Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a database review of environmental records.

License for use of information in Report: No page of this report can be used without this cover page, this notice and the project property identifier. The information in Report(s) may not be modified or re-sold.

Your Liability for misuse: Using this Service and/or its reports in a manner contrary to this Notice or your agreement will be in breach of copyright and contract and ERIS may obtain damages for such mis-use, including damages caused to third parties, and gives ERIS the right to terminate your account, rescind your license to any previous reports and to bar you from future use of the Service.

No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Limited Partnership ("ERIS") using various sources of information, including information provided by Federal and Provincial government departments. The report applies only to the address and up to the date specified on the cover of this report, and any alterations or deviation from this description will require a new report. This report and the data contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein and does not constitute a legal opinion nor medical advice. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

Trademark and Copyright: You may not use the ERIS trademarks or attribute any work to ERIS other than as outlined above. This Service and Report (s) are protected by copyright owned by ERIS Information Limited Partnership. Copyright in data used in the Service or Report(s) (the "Data") is owned by ERIS or its licensors. The Service, Report(s) and Data may not be copied or reproduced in whole or in any substantial part without prior written consent of ERIS.

Executive Summary

Property Information:

Project Property: *Seaton A11 Residential Development, Whites Road, south of Whitevale Road, Pickering, Ontario*
Project No: *NW corner of Whites Road & Alexander Knox Road Pickering ON -T-B-D*

Coordinates:

Latitude: 43.8904477
Longitude: -79.1368705
UTM Northing: 4,861,392.39
UTM Easting: 649,650.39
UTM Zone: 17T

Elevation: 657 FT
200.29 M

Order Information:

Order No: 23032700852
Date Requested: March 27, 2023
Requested by: exp Services Inc.
Report Type: Standard Report

Historical/Products:

ERIS Xplorer [ERIS Xplorer](#)

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	0	0
CA	Certificates of Approval	Y	0	0	0
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	0	0
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	0	0
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	0	0
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense & Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense & Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence & Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBP	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGWE	<i>Oil and Gas Wells</i>	Y	0	0	0
OGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PINC	<i>Pipeline Incidents</i>	Y	0	0	0
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	0	0	0
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	0	4	4
Total:			0	4	4

Executive Summary: Site Report Summary - Project Property

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

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

Executive Summary: Site Report Summary - Surrounding Properties

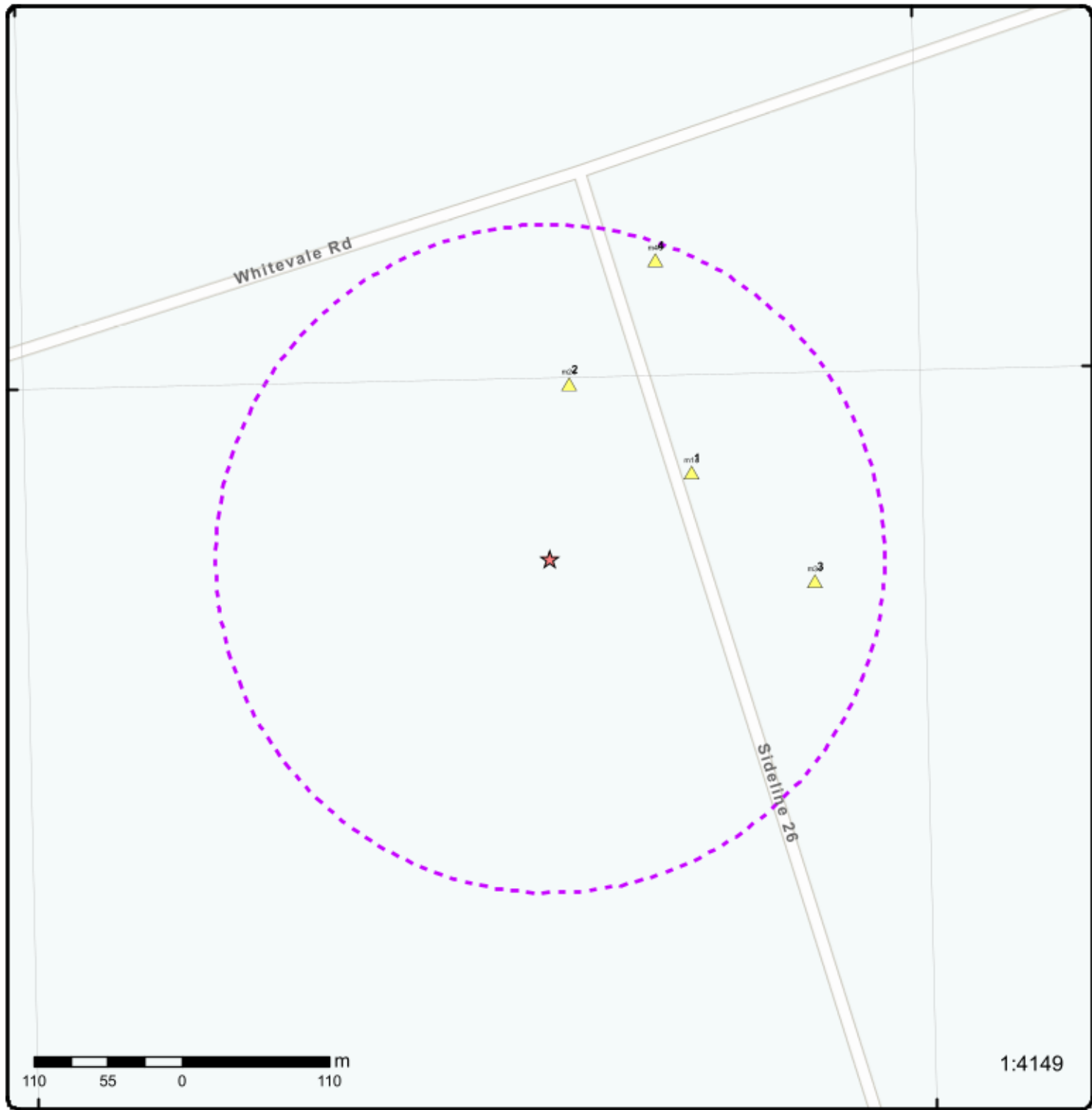
<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
1	WWIS		lot 26 con 4 ON Well ID: 1912057	ENE/123.8	5.62	12
2	WWIS		lot 27 con 4 ON Well ID: 4603761	N/131.4	7.75	13
3	WWIS		3185 SIDELINE 26 ON Well ID: 7259841	E/198.3	0.68	17
4	WWIS		CONCESSION 4 lot 26 Pickering ON Well ID: 7288772	NNE/237.0	10.50	19

Executive Summary: Summary By Data Source

WWIS - Water Well Information System

A search of the WWIS database, dated Jun 30 2022 has found that there are 4 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	lot 26 con 4 ON <i>Well ID:</i> 1912057	ENE	123.80	1
	lot 27 con 4 ON <i>Well ID:</i> 4603761	N	131.41	2
	3185 SIDELINE 26 ON <i>Well ID:</i> 7259841	E	198.28	3
	CONCESSION 4 lot 26 Pickering ON <i>Well ID:</i> 7288772	NNE	237.03	4



Map: 0.25 Kilometer Radius

Order Number: 23032700852

Address: NW corner of Whites Road & Alexander Knox Road, Pickering, ON



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



Aerial Year: 2021

Order Number: 23032700852

Address: NW corner of Whites Road & Alexander Knox Road, Pickering, ON



Source: ESRI World Imagery

© ERIS Information Limited Partnership

79°9'W

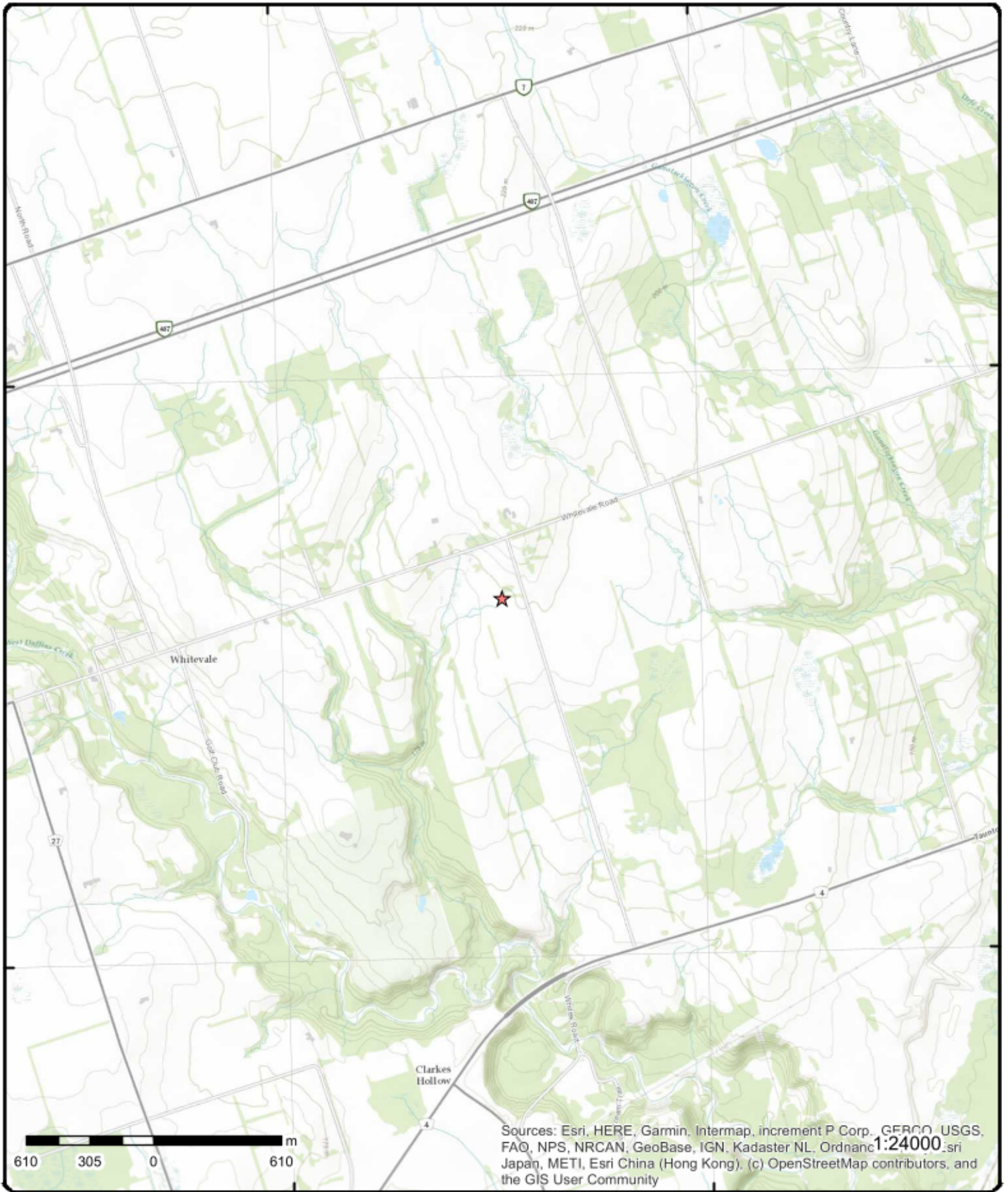
79°7'30"W

43°54'N

43°54'N

43°52'30"N

43°52'30"N



Topographic Map

Order Number: 23032700852

Address: NW corner of Whites Road & Alexander Knox Road, ON



Source: ESRI World Topographic Map

© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	ENE/123.8	205.9 / 5.62	lot 26 con 4 ON	WWIS
Well ID: 1912057 Construction Date: Use 1st: Not Used Use 2nd: Final Well Status: Observation Wells Water Type: Casing Material: Audit No: 144885 Tag: Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: PICKERING TOWN Site Info:		Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: 1 Date Received: 02-Sep-1994 00:00:00 Selected Flag: TRUE Abandonment Rec: Contractor: 1508 Form Version: 1 Owner: County: DURHAM Lot: 026 Concession: 04 Concession Name: CON Easting NAD83: Northing NAD83: Zone: UTM Reliability:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/191\1912057.pdf

Additional Detail(s) (Map)

Well Completed Date: 1993/01/23
Year Completed: 1993
Depth (m):
Latitude: 43.8910077139667
Longitude: -79.1355382641609
Path: 191\1912057.pdf

Bore Hole Information

Bore Hole ID: 10080679 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 23-Jan-1993 00:00:00 Remarks: Loc Method Desc: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:	Elevation: Elevrc: Zone: 17 East83: 649756.00 North83: 4861457.00 Org CS: N83 UTMRC: 1 UTMRC Desc: margin of error : < 3 m Location Method:
---	--

Annular Space/Abandonment Sealing Record

Plug ID: 933122335
Layer: 1
Plug From: 0.0
Plug To: 151.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933122336
Layer: 2
Plug From: 151.0
Plug To: 161.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961912057
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID: 10629249
Casing No: 1
Comment:
Alt Name:

Links

Bore Hole ID: 10080679	Tag No:
Depth M:	Contractor: 1508
Year Completed: 1993	Path: 191\1912057.pdf
Well Completed Dt: 1993/01/23	Latitude: 43.8910077139667
Audit No: 144885	Longitude: -79.1355382641609

2	1 of 1	N/131.4	208.0 / 7.75	lot 27 con 4 ON	WWIS
-------------------	--------	---------	--------------	-----------------	------

Well ID: 4603761	Flowing (Y/N):
Construction Date:	Flow Rate:
Use 1st: Domestic	Data Entry Status:
Use 2nd: 0	Data Src: 1
Final Well Status: Water Supply	Date Received: 20-Nov-1968 00:00:00
Water Type:	Selected Flag: TRUE
Casing Material:	Abandonment Rec:
Audit No:	Contractor: 5420
Tag:	Form Version: 1
Constructn Method:	Owner:
Elevation (m):	County: DURHAM
Elevatn Reliabilty:	Lot: 027
Depth to Bedrock:	Concession: 04
Well Depth:	Concession Name: CON
Overburden/Bedrock:	Easting NAD83:
Pump Rate:	Northing NAD83:
Static Water Level:	Zone:
Clear/Cloudy:	UTM Reliability:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Municipality:		PICKERING TOWN			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/460\4603761.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		1968/09/13			
Year Completed:		1968			
Depth (m):		42.672			
Latitude:		43.8916201583622			
Longitude:		-79.1366545866023			
Path:		460\4603761.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:	10295112			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	649664.80
Code OB Desc:				North83:	4861523.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:	13-Sep-1968 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	p4
Loc Method Desc:	Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931954040				
Layer:	4				
Color:					
General Color:					
Mat1:	09				
Most Common Material:	MEDIUM SAND				
Mat2:	11				
Mat2 Desc:	GRAVEL				
Mat3:					
Mat3 Desc:					
Formation Top Depth:	118.0				
Formation End Depth:	136.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931954041				
Layer:	5				
Color:	8				
General Color:	BLACK				
Mat1:	09				
Most Common Material:	MEDIUM SAND				
Mat2:					
Mat2 Desc:					
Mat3:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3 Desc:					
Formation Top Depth:		136.0			
Formation End Depth:		140.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931954038			
Layer:		2			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		13			
Mat2 Desc:		BOULDERS			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		18.0			
Formation End Depth:		85.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931954039			
Layer:		3			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		85.0			
Formation End Depth:		118.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931954037			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		18.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		964603761			
Method Construction Code:		1			
Method Construction:		Cable Tool			

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

Other Method Construction:

Pipe Information

Pipe ID: 10843682
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930487306
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 136.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933355827
Layer: 1
Slot: 012
Screen Top Depth: 136.0
Screen End Depth: 140.0
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 994603761
Pump Set At:
Static Level: 75.0
Final Level After Pumping: 135.0
Recommended Pump Depth: 130.0
Pumping Rate: 4.0
Flowing Rate:
Recommended Pump Rate: 4.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 5
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933766040
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 118.0
Water Found Depth UOM: ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Links					
Bore Hole ID:	10295112			Tag No:	
Depth M:	42.672			Contractor:	5420
Year Completed:	1968			Path:	460\4603761.pdf
Well Completed Dt:	1968/09/13			Latitude:	43.8916201583622
Audit No:				Longitude:	-79.1366545866023

[3](#) 1 of 1 E/198.3 201.0 / 0.68 3185 SIDELINE 26 ON [WWIS](#)

Well ID:	7259841	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:	Monitoring	Data Entry Status:	
Use 2nd:		Data Src:	
Final Well Status:	Observation Wells	Date Received:	24-Mar-2016 00:00:00
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:	Z227559	Contractor:	7472
Tag:	A197545	Form Version:	7
Constructn Method:		Owner:	
Elevation (m):		County:	DURHAM
Elevatn Reliabilty:		Lot:	
Depth to Bedrock:		Concession:	
Well Depth:		Concession Name:	
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	PICKERING TOWN		
Site Info:			

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 2015/12/04
Year Completed: 2015
Depth (m): 4.572
Latitude: 43.8902601129013
Longitude: -79.1344162249555
Path:

Bore Hole Information

Bore Hole ID:	1005913195	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	649848.00
Code OB Desc:		North83:	4861376.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	04-Dec-2015 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1006057977			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		79			
Mat3 Desc:		PACKED			
Formation Top Depth:		10.0			
Formation End Depth:		15.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1006057976			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		79			
Mat3 Desc:		PACKED			
Formation Top Depth:		0.0			
Formation End Depth:		10.0			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006057984			
Layer:		1			
Plug From:		0.0			
Plug To:		9.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006057985			
Layer:		2			
Plug From:		9.0			
Plug To:		15.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1006057983			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
<u>Pipe Information</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pipe ID:		1006057975			
Casing No:		0			
Comment:					
Alt Name:					

Construction Record - Casing

Casing ID:	1006057980
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	10.0
Casing Diameter:	0.699999988079071
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006057981
Layer:	1
Slot:	10
Screen Top Depth:	10.0
Screen End Depth:	15.0
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	0.8999999761581421

Water Details

Water ID:	1006057979
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006057978
Diameter:	6.0
Depth From:	0.0
Depth To:	15.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Links

Bore Hole ID:	1005913195	Tag No:	A197545
Depth M:	4.572	Contractor:	7472
Year Completed:	2015	Path:	725\7259841.pdf
Well Completed Dt:	2015/12/04	Latitude:	43.8902601129013
Audit No:	Z227559	Longitude:	-79.1344162249555

4	1 of 1	NNE/237.0	210.8 / 10.50	CONCESSION 4 lot 26 Pickering ON	WWIS
Well ID:	7288772	Flowing (Y/N):			
Construction Date:		Flow Rate:			
Use 1st:		Data Entry Status:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Use 2nd:				Data Src:	
Final Well Status:	0			Date Received:	21-Jun-2017 00:00:00
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z257953			Contractor:	7230
Tag:	A223645			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	DURHAM
Elevatn Reliability:				Lot:	026
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		PICKERING TOWN			
Site Info:					
PDF URL (Map):					
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		2017/03/24			
Year Completed:		2017			
Depth (m):		4.5			
Latitude:		43.89244440231803			
Longitude:		-79.1358295928973			
Path:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1006570753			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	649729.00
Code OB Desc:				North83:	4861616.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	24-Mar-2017 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1006780560				
Layer:	1				
Color:	6				
General Color:	BROWN				
Mat1:					
Most Common Material:					
Mat2:	01				
Mat2 Desc:	FILL				
Mat3:	77				
Mat3 Desc:	LOOSE				
Formation Top Depth:	0.0				
Formation End Depth:	0.15000000596046448				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	1006780561				
Layer:	2				
Color:	6				
General Color:	BROWN				
Mat1:	28				
Most Common Material:	SAND				
Mat2:	06				
Mat2 Desc:	SILT				
Mat3:	77				
Mat3 Desc:	LOOSE				
Formation Top Depth:	0.15000000596046448				
Formation End Depth:	1.600000023841858				
Formation End Depth UOM:	m				
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	1006780562				
Layer:	3				
Color:	6				
General Color:	BROWN				
Mat1:	06				
Most Common Material:	SILT				
Mat2:	28				
Mat2 Desc:	SAND				
Mat3:	73				
Mat3 Desc:	HARD				
Formation Top Depth:	1.600000023841858				
Formation End Depth:	4.5				
Formation End Depth UOM:	m				
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1006780568				
Layer:	1				
Plug From:	0.0				
Plug To:	1.2000000476837158				
Plug Depth UOM:	m				
<u>Method of Construction & Well Use</u>					
Method Construction ID:	1006780567				
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	1006780559				
Casing No:	0				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
Casing ID: 1006780565					
Layer: 1					
Material: 5					
Open Hole or Material: PLASTIC					
Depth From: 0.8999999761581421					
Depth To: 1.2000000476837158					
Casing Diameter: 5.099999904632568					
Casing Diameter UOM: cm					
Casing Depth UOM: m					
 <u>Construction Record - Screen</u>					
Screen ID: 1006780566					
Layer: 1					
Slot: 10					
Screen Top Depth: 1.2000000476837158					
Screen End Depth: 4.5					
Screen Material: 5					
Screen Depth UOM: m					
Screen Diameter UOM: cm					
Screen Diameter: 5.300000190734863					
 <u>Water Details</u>					
Water ID: 1006780564					
Layer: 1					
Kind Code: 8					
Kind: Untested					
Water Found Depth: 2.9000000953674316					
Water Found Depth UOM: m					
 <u>Hole Diameter</u>					
Hole ID: 1006780563					
Diameter: 20.0					
Depth From: 0.0					
Depth To: 4.5					
Hole Depth UOM: m					
Hole Diameter UOM: cm					
 <u>Links</u>					
Bore Hole ID: 1006570753		Tag No: A223645			
Depth M: 4.5		Contractor: 7230			
Year Completed: 2017		Path: 728\7288772.pdf			
Well Completed Dt: 2017/03/24		Latitude: 43.8924440231803			
Audit No: Z257953		Longitude: -79.1358295928973			

Unplottable Summary

Total: 0 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
----	------------------------	---------	------	--------

Unplottable Report

No unplottable records were found that may be relevant for the search criteria.

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 Northern Development, Mines, Natural Resources and Forestry (ONDMNRF) maintains this database of 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 Oct 2022

Abandoned Mine Information System:

Provincial

[AMIS](#)

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

Government Publication Date: 1800-Mar 2022

Anderson's Waste Disposal Sites:

Private

[ANDR](#)

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial

[AST](#)

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private

[AUWR](#)

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

Government Publication Date: 1999-May 31, 2022

Borehole:

Provincial

[BORE](#)

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval:

Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities:

Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2020

Commercial Fuel Oil Tanks:

Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Chemical Manufacturers and Distributors:

Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register:

Private CHM

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

Government Publication Date: 1999-May 31, 2022

Compressed Natural Gas Stations:

Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 2012 -Sep 2022

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Nov 2022

Certificates of Property Use:

Provincial CPU

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

Government Publication Date: 1994 - Feb 28, 2023

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 - Oct 2022**Delisted Fuel Tanks:**

Provincial

[DTNK](#)

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

Government Publication Date: Feb 28, 2022**Environmental Activity and Sector Registry:**

Provincial

[EASR](#)

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

Government Publication Date: Oct 2011- Feb 28, 2023**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 - Feb 28, 2023**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- Feb 28, 2023**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-Dec 31, 2022**Environmental Issues Inventory System:**

Federal

[EIS](#)

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial **EMHE**

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Apr 30, 2022

Environmental Penalty Annual Report:

Provincial **EPAR**

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 2021

List of Expired Fuels Safety Facilities:

Provincial **EXP**

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Federal Convictions:

Federal **FCON**

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal **FCS**

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

Government Publication Date: Jun 2000-Dec 2022

Fisheries & Oceans Fuel Tanks:

Federal **FOFT**

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

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal **FRST**

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

Government Publication Date: May 31, 2018

Fuel Storage Tank:

Provincial **FST**

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Fuel Storage Tank - Historic:

Provincial

FSTH

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

GEN

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

Government Publication Date: 1986-Oct 31, 2022

Greenhouse Gas Emissions from Large Facilities:

Federal

GHG

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

Government Publication Date: 2013-Dec 2019

TSSA Historic Incidents:

Provincial

HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

INC

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

Government Publication Date: Feb 28, 2022

Landfill Inventory Management Ontario:

Provincial

LIMO

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

Government Publication Date: Mar 21, 2022

Canadian Mine Locations:

Private

MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial

MNR

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

Government Publication Date: 1846-Feb 2023

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, 2021

National Defense & Canadian Forces Fuel Tanks:

Federal

NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites:

Federal

NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal

NEBI

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

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells:

Federal

NEBP

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

[NEES](#)

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

Government Publication Date: 1974-2003*

National PCB Inventory:

Federal

[NPCB](#)

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal

[NPRI](#)

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

Private

[OGWE](#)

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-Nov 30, 2022

Ontario Oil and Gas Wells:

Provincial

[OOGW](#)

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

Government Publication Date: 1800-Aug 2021

Inventory of PCB Storage Sites:

Provincial

[OPCB](#)

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

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

Orders:

Provincial

[ORD](#)

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

Government Publication Date: 1994 - Feb 28, 2023

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*

<u>Pesticide Register:</u>	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- Feb 28, 2023		
<u>Pipeline Incidents:</u>	Provincial	PINC
List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.		
Government Publication Date: Feb 28, 2021		
<u>Private and Retail Fuel Storage Tanks:</u>	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*		
<u>Permit to Take Water:</u>	Provincial	PTTW
This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include PTTW's on the registry such as OWRA s. 34 - Permit to take water.		
Government Publication Date: 1994 - Feb 28, 2023		
<u>Ontario Regulation 347 Waste Receivers Summary:</u>	Provincial	REC
Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.		
Government Publication Date: 1986-1990, 1992-2019		
<u>Record of Site Condition:</u>	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-Jan 2023		
<u>Retail Fuel Storage Tanks:</u>	Private	RST
This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.		
Government Publication Date: 1999-May 31, 2022		
<u>Scott's Manufacturing Directory:</u>	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*		
<u>Ontario Spills:</u>	Provincial	SPL
List of spills and incidents made available the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.		
Government Publication Date: 1988-Sep 2020; Dec 2020-Mar 2021		

Wastewater Discharger Registration Database:

Provincial [SRDS](#)

Facilities that report either municipal treated wastewater effluent or industrial wastewater discharges under the Effluent Monitoring and Effluent Limits (EMEL) and Municipal/Industrial Strategy for Abatement Regulations. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment keeps record of 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.

Government Publication Date: 1990-Dec 31, 2020

Anderson's Storage Tanks:

Private [TANK](#)

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal [TCFT](#)

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970 - Apr 2020

Variances for Abandonment of Underground Storage Tanks:

Provincial [VAR](#)

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

Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory:

Provincial [WDS](#)

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

Government Publication Date: Oct 2011- Feb 28, 2023

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial [WDSH](#)

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial [WWIS](#)

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

Government Publication Date: Jun 30 2022

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

EXP Services Inc.

Phase I Environmental Site Assessment (ESA)
Seaton A11 Residential Development, Whites Road, Pickering, ON
BRM-23004070-A0
April 19, 2023