PHASE I ENVIRONMENTAL SITE ASSESSMENT

476420 3RD LINE
TOWNSHIP OF MELANCTHON
DUFFERIN COUNTY, ONTARIO

PREPARED FOR:

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CROZIER

Revision Number	Date	Comments
Rev.0	March 28, 2025	Issued Draft Report for client review
Rev.1	April 25, 2025	Issued Final Report to client
Rev.2	June 26, 2025	Issued Revised Final Report to client

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1.0 Executive Summary

C.F. Crozier & Associates Inc. (Crozier) was retained by 1000719578 Ontario Inc., (the "Client") to conduct a Phase I Environmental Site Assessment (ESA) at a residential/parkland property located at 476420 3rd Line in the Township of Melancthon, Ontario (the "Site").

Crozier was advised by the Client that the Phase I ESA was required to support the proposed residential redevelopment of the Site as an affordable leasehold community. Based on Pre-Consultation comments provided by the Township of Melancthon, a Record of Site Condition (RSC) is not required for Site. As such, the Phase I ESA was conducted in general accordance with the Canadian Standards Association (CSA) Z768-01 (R2022) for the completion of Phase I Environmental Site Assessments.

The purpose of this Phase I ESA was to identify and document any "actual" or "potential" sources of environmental contamination associated with the Site and its surroundings. A Phase I ESA is a preliminary study in which it is sufficient to only assess those liabilities which can be documented by a visual inspection of the property and review of available sources of information relevant to the Site. The Phase I ESA does not include sampling or testing of air, soil, groundwater or building materials. These analyses would be conducted in a Phase II ESA or a Designated Substance and Hazardous Materials Survey, if warranted.

The Site is located at the municipal address of 476420 3rd Line in the Township of Melancthon, Ontario, and is currently occupied by a recreational campground and residential community known as "Chipwoods Park" which leases units for seasonal and permanent residential occupancy. The Site is bounded by residential properties and 3rd Line to the east, agricultural cropland to the south, and a mixture of undeveloped forested land and agricultural cropland to both the west and north. A Site location map is provided on **Figure 1**, and a view of the Site and surrounding area is provided on **Figure 2**.

Based on a review of the available historical documentation, the Site appears to have been undeveloped forested land and fields until its development as a campground in the 1960s. The Site has been utilized as a campground since that time with an expansion occurring in the 1980s and gradual transition to a permanent residential community.

Surrounding properties to the west and north have historically and currently consist of a mixture of undeveloped forested land, vacant fields, and agricultural cropland. Surrounding property use to the south and east has generally consisted of agricultural cropland since at least the 1930s. Several rural residential properties were developed along 3rd Line to the east and southeast of the Site between the 1990s and present.

The Site is currently utilized as a campground and residential community which leases units for seasonal and year-round residential occupancy. The southern and western portions of the Site currently consist of approximately one-hundred twenty (120) leased residential units, generally occupied by permanent residences/structures, mobile homes, sheds, temporary structures, and/or recreational vehicles (RVs). Common areas at the property include a recreational centre, a park/playground area, and a pond. The east and northeast portions of the Site are undeveloped and consist of forested land.

Conclusions

Based on the information obtained and research conducted as part of this Phase I ESA, no evidence of "actual" environmental contamination was found. The following sources of "potential" environmental concern were found in connection with the Site:

1. The former presence of an on-Site dump and scrap metal storage;
2. The current on-Site storage of derelict RVs, trailers, and waste building materials; and
3. The presence of a liquid fuel AST with unknown historic use.

Recommendations

Crozier was advised by the Client that the Phase I ESA was required to support the proposed residential redevelopment of the Site as an affordable leasehold community. Based on Pre-Consultation comments provided by the Township of Melancthon, an RSC is not required for Site. With this objective in mind, and the findings presented in this report, Crozier recommends the following:

- Conduct a Limited Phase II ESA to investigate the sources of potential environmental concern found in connection with the Site; and
- Conduct a Designated Substance and Hazardous Materials Survey for permanent and semi-permanent tenant structures (i.e. mobile homes and fixed buildings) prior to future demolition activities due to the potential presence of Designated Substances in building materials given the expected age of some of the structures.

This Executive Summary provides a brief overview of the Phase I ESA findings. It is not intended to be a substitute for the complete report, nor does it detail specific issues discussed within the report. This summary is not to be adopted in lieu of reviewing the complete report and is subject to the same limitations contained in this report.

2.0 Introduction

C.F. Crozier & Associates Inc. (Crozier) was retained by 1000719578 Ontario Inc., (the "Client") to conduct a Phase I Environmental Site Assessment (ESA) at the residential/parkland property located at 476420 3rd Line in the Township of Melancthon, Ontario (the "Site").

Crozier was advised by the Client that the Phase I ESA was required to support the proposed residential redevelopment of the Site as an affordable leasehold community. Based on Pre-Consultation comments provided by the Township of Melancthon, a Record of Site Condition (RSC) is not required for Site. As such, the Phase I ESA was conducted in general accordance with the Canadian Standards Association (CSA) Z768-01 (R2022) for the completion of Phase I Environmental Site Assessments.

The purpose of this Phase I ESA was to identify and document any "actual" or "potential" sources of environmental contamination associated with the Site and its surroundings. A Phase I ESA is a preliminary study in which it is sufficient to only assess those liabilities which can be documented by a visual inspection of the property and review of available sources of information relevant to the Site. The Phase I ESA does not include sampling or testing of air, soil, groundwater or building materials. These analyses would be conducted in a Phase II ESA or a Designated Substance and Hazardous Materials Survey, if warranted.

3.0 Scope of Investigation

The scope of work was conducted in general conformance with Crozier's Additional Services Workplan (ASW) #1 dated July 8, 2024. As part of this Phase I ESA, Crozier conducted historical and regulatory records research followed by a visual inspection of the Site and observations of the surrounding properties from publicly accessible areas and an interview with Site Representatives.

The scope of work included the following tasks:

- Conducted a review of reasonably accessible records pertaining to the current use and past uses of the Site, including fire insurance plans, a Ministry of the Environment, Conservation and Parks (MECP) Freedom of Information (FOI) request, and Site operating records (e.g., permits, MSDS, underground utility drawings, inventories of tanks, records of spill/discharges, etc.).

- Made all reasonable inquiries to obtain and review accessible information within 250 m of the Site, such as National Pollutant Release Inventory (NPRI) records, records of polychlorinated biphenyl (PCB) storage or waste generating sites, environmental compliance approvals, environmental incidents, waste management records, Areas of Natural Significance (ANS), Technical Standards and Safety Authority (TSSA) records, landfill records, aerial photographs, topographic and geologic maps, Water Well Records, etc.

- Completed a detailed Site Reconnaissance and interview with Site Representatives familiar with the existing and historical Site activities. The interview included topics such as Site use and operations, material/waste handling and storage, production, air emissions, water use, wastewater discharge, hazardous material handling, above and underground storage tanks, etc.

- Reviewed available previous environmental, hydrogeological, and/or geotechnical reports (if available).

- Prepared this Phase I ESA report summarizing the information obtained and any identified issues of potential environmental concern.

4.0 Site and Vicinity Characteristics

4.1 Site Location & Description

The Site is located at the municipal address of 476420 3rd Line in the Township of Melancthon, Ontario, and is currently occupied by a recreational campground facility and residential community known as "Chipwoods Park" which leases units for seasonal and year-round residential occupancy. The Site is bounded by residential properties and 3rd Line to the east, agricultural cropland to the south, and a mixture of agricultural cropland and undeveloped forested land to both the west and north. A Site location map is provided on **Figure 1**, and a view of the Site and surrounding area is provided on **Figure 2**.

Table 1: Site Description

Item / Topic	Details
UTM Centroid Coordinates	Easting: 562562 Northing: 4885314 (Zone 17T)
Legal Description	EAST HALF OF LOT 8, CONCESSION 3 OLD SURVEY SAVE & EXCEPT PARTS 1, 2, 3, & 4, 7R-3304 AND PARTS 1, 2, & 3, 7R-3971. TOGETHER WITH EASEMENTS AS IN INSTRUMENT No. MF214174 OVER PART 3, 7R-3304 AND PART 2, 7R-3971. TOWNSHIP OF MELANCTHON, COUNTRY OF DUFFERIN
Parcel Identification Number (PIN)	34137-0041
Approximate Site Area	37.41 ha (92.4 acres)
Current Zoning	OS1 – Open Space Park OS2 – Open Space Conservation

4.2 Site Improvements

As shown on **Figure 3** (Site Features), the southern and western portions of the Site currently consist of approximately 120 leased residential units, generally occupied by permanent residences, mobile homes, sheds, temporary structures, and/or recreational vehicles (RVs). Common areas at the property include a recreational centre, a park/playground area, and a pond. The east and northeast portions of the Site are undeveloped and consist of forested land.

Additional details regarding Site improvements and features are summarized in **Table 2**.

Table 2: Site Improvements

Item / Topic	Details
Buildings On-Site	Permanent Structures: • Building A: Recreation Centre • Building B: Lawn Equipment Shed • Twelve (12) permanent residences Mobile / Temporary Structures: • Numerous mobile homes, tent structures, and RVs
Date of Construction / Major Renovations	Building A – Recreation Centre: • C. 1960s: Initial construction • C. 2010: Re-construction following a fire Building B – Equipment Shed: • C. 2022: Initial construction Permanent Residences: • Various dates between the 1980s to present Mobile / Temporary Structures: • Various dates between the 1960s to present
Subsurface Levels	Building A: Partial basement Building B: None Permanent Residences: None Mobile/Temporary Structures: None
Heating / Cooling	Building A: Propane forced-air furnace / no cooling Building B: None Permanent Residences: Propane, electric, or wood / portable A/C units Mobile / Temporary Structures: Propane, electric, or wood / portable A/C units
Emergency Generators	None
Utility Providers	Water: Private on-Site drilled well Electricity: Hydro One Stormwater: Overland flow to ditches / natural water features Sanitary: On-Site septic systems Gas: None

Additional observations and Site Reconnaissance information are further discussed in **Section 8.0**. Photographic documentation of the Site and surrounding areas is presented in **Appendix B**.

4.3 Site Operations

The Site is currently utilized as a recreational campground facility and residential community with leased units occupied by permanent and seasonal residents, as well as common areas including a Recreation Centre, open park space / playgrounds, and a pond. The northeastern portion of the property is undeveloped forested land.

4.4 Current Uses of Adjacent Properties

The adjacent properties were observed from the Site or from publicly accessible areas for indications of environmental concerns and their potential to pose an environmental risk to the Site. The information on these properties is summarized in **Table 3**.

Table 3: Current Uses of Adjacent Properties

Direction	Property Use	Address	Concerns
North	Undeveloped forested land and agricultural cropland.	N/A	None
East	Residential properties, 3rd Line roadway, and agricultural cropland.	476418 3rd Line	None
South	Residential properties and agricultural cropland.	476410 3rd Line	None
West	Undeveloped forested land and agricultural cropland.	N/A	None

No potential environmental concerns were identified with respect to the current uses of the adjacent properties. Additional surrounding properties were listed in the Environmental Risk Information Services (ERIS) database report and are detailed further in **Section 6.3**.

4.5 Physical Setting Sources

4.5.1 Topography

As shown on the topographic map (**Appendix E**), the surface elevation at the Site is approximately 485 metres above mean sea level (mAMSL). Grade generally slopes downwards from the southwest to northeast across the Site. In addition, isolated areas of higher elevation are present in the west-central portion of the Site.

4.5.2 Surface Water

The nearest water body is an on-Site stream which runs from the southwest property boundary to the northeast property boundary. An earthen dam is present in the southwestern area of the Site, resulting in an artificial pond on-Site which is used for recreational activities.

4.5.3 Surficial Geology

Based on information obtained from the Ministry of Northern Development and Mines Map 2556 *Quaternary Geology of Ontario, Southern Sheet*, surficial soil deposits at the Site consist of glaciofluvial ice-contact deposits including gravel, sand, minor till, eskers, kames, end moraines, ice-marginal deltas, and subaqueous fan deposits.

4.5.4 Bedrock Geology

Based on information obtained from the Ministry of Natural Resources Map 2418 *Geological Highway Map, Southern Ontario*, bedrock at the Site is part of the Amabel Formation which consists of dolostone. Based on a review of the MECP water well record (WWR) database, the depth to bedrock ranges from 7.6 m to 19.8 m below ground surface (bgs) in the vicinity of the Site.

4.5.5 Groundwater

The Site is not located within a Wellhead Protection Area ("WHPA"), Intake Protection Zone ("IPZ"), or Significant Groundwater Recharge Area ("SGRA"). The Site is listed as located above a Highly Vulnerable Aquifer ("HVA") with a score of 6.

Shallow groundwater at the Site is inferred to follow topography and generally flow towards the northeast. Groundwater flow direction is likely influenced by the on-Site stream and pond, and groundwater in close proximity expected to flow towards these surface water features. Based on review of available historical reports (see **Section 5.2**), the depth to groundwater reportedly ranges from 0.2 m bgs to 5.1 m bgs across the Site.

A review of the MECP database of WWRs within 250 m of the Site perimeter (**Appendix I**) indicates a total of six (6) WWRs for domestic water supply purposes, three (3) of which were identified to be present on-Site.

5.0 Historical Records Review

Past land uses for the Site and surrounding properties were assessed to identify historical practices or conditions that may be a source of potential environmental concern to the Site.

This was accomplished by reviewing historical information from sources listed in **Table 4**, including but not limited to interviews with the Site Representatives, and review of historical information obtained from regulatory sources, aerial photographs, FIPs, city directories, and topographic maps.

Table 4: Historical Records Review

Sources of Information	Years Reviewed
Aerial Photographs	1939, 1954, 1969, 1976, 1987, 1995, 2009, 2015, 2023
Topographic and ANS Maps	2025
Fire Insurance Plans / Insurers' Advisory Organization (IAO) Report	N/A
City Directories	1958, 1966, 1970, 1975, 1981, 1985, 1991, 1996, 1999, 2001, 2012, 2017, 2021, 2023
Historical Reports	2024
Land Title Records	N/A

The applicable search distance for the records review included the Site and neighboring properties up to 250 m from the Site boundaries.

5.1 Aerial Photographs

Crozier reviewed historical aerial photographs (presented in **Appendix D**) of the Site and surrounding areas. Observations and potential concerns based on aerial photograph review are presented in **Table 5**.

Table 5: Aerial Photographs Review

Year	Description	Concerns
1939	The Site appears to be a mixture of undeveloped forested land and vacant fields. A stream is visible running from the southwest corner to the northeast corner of the Site. Surrounding property use consists of undeveloped forested lands and fields to the west and north, and agricultural cropland and rural residential properties to the east and south. 3rd Line is visible to the east of the Site.	None
1954	Site and surrounding area appear similar to the 1939 photograph.	None
1969	Private laneways or roadways are now visible in the southern portion of the Site. The on-Site stream has been dammed, and a pond is now visible in the southwest corner of the Site, similar to its current configuration. Several small structures are visible in the southwestern portion of the Site, including a building in the location of the present Recreation Centre. The remainder of the Site and surrounding properties appear similar to the 1954 photograph.	None
1976	The southwestern portion of the Site appears to be used as a campground, as several structures are visible consistent with the layout of the current campground. The remainder of the Site appears similar to the 1969 photograph, with the exception of additional tree growth in the southeastern portion of the Site.	None

Year	Description	Concerns
1987	Additional laneways and structures are now visible in the central-west portion of the Site, consistent with the current layout of leased units and permanent structures/residences. The east and north portions of the Site remain vacant and have significant additional tree cover. Adjacent properties to the southeast are now occupied by residential houses. Other surrounding properties appear similar to the 1976 photograph.	None
1995	The Site and surrounding area generally appear similar to the 1987 photograph with the exception of additional rural residential development along 3rd Line to the east and southeast.	None
2009	The Site and surrounding area appear similar to the 1995 photograph.	None
2015	The Site and surrounding area appear similar to the 2009 photograph.	None
2023	The Site and surrounding area appear similar to the 2015 photograph as well as their current configuration.	None

5.2 Previous Reports

One (1) draft Geotechnical Report, prepared by Green Geotechnical Ltd. (Green), dated September 30, 2024 was available for review by Crozier. The 2024 Geotechnical Report included the advancement of eight (8) boreholes across the Site, six (6) of which were completed as monitoring wells. Boreholes were advanced to a maximum depth of 6.6 m bgs. The following conditions were identified at the Site:

- Soil generally consisted of a surficial topsoil layer underlain by sand to sandy silt earth fill generally extending to a depth of 0.9 m bgs. Native deposits consisted of sandy to gravelly sand extending depths ranging from 3.0 m bgs to 6.6 m bgs and silt till ranging in depth from 6.1 m bgs to 6.6 m bgs;

- Groundwater was reported at depths ranging from 0.2 m bgs in the south-central portion of the Site to 5.1 m bgs in the northwestern portion of the Site;

- Soil texture varied across the Site, ranging from predominantly sand (coarse grained) in the northwest to predominantly silt (medium-fine grained) in the southwest; and

- Hydraulic conductivity was estimated to range from 10^{-2} m/s to $<10^{-4}$ m/s based on soil texture.

Crozier observed several of the monitoring wells listed in the 2024 Geotechnical Report during the Site reconnaissance (see **Section 9.1**)

5.3 Prior Ownership

No land registry records were provided by the Client or Site Representatives for review.

5.4 City Directories

City directory records for the Site and adjacent properties along 3rd Line and 4th Line were ordered from ERIS. A copy of the ERIS report is provided in **Appendix C** and are summarized in **Tables 6A** and **6B**.

Table 6A: Summary of City Directories – On-Site

Address		Year	Description
3rd Line	476420	1958, 1966, 1970, 1975, 1981, 1985, 1991, 1996, 1999, 2001, 2012, 2017, 2021, 2023	Site not listed

Table 6B: Summary of City Directories – Surrounding Properties

Address		Year	Description
3rd Line	All adjacent properties	1958, 1966, 1970, 1975, 1981, 1985, 1991, 1996, 1999, 2001, 2012, 2017	No listings within 250 m of the Site perimeter
		2021, 2023	All residential
4th Line	All adjacent properties	1958, 1966, 1970, 1975, 1981, 1985, 1991, 1996, 1999, 2001, 2012, 2017, 2021, 2023	No listings within 250 m of the Site perimeter

Based on the information obtained from the city directory listings, no potential environmental concerns were identified in relation to the Site.

5.5 Fire Insurance Plans and Insurance Information

A search for available Fire Insurance Plans (FIPs), Insurance Association Organization (IAO) reports, and property underwriter's plans for the Site depicting the Site and/or surrounding properties was placed with Verisk Enviroscan via ERIS. The historical records review did not identify any records for the Site or surrounding properties.

A copy of the Verisk Enviroscan response is provided in **Appendix F**.

5.6 Topographic Maps

Crozier reviewed a topographic map depicting the Site and surrounding areas from the Ontario Base Map (OBM) (**Appendix E**). The topography at the Site was discussed in **Section 4.5.1.**

5.7 Areas of Natural Significance (ANS)

Crozier reviewed an Areas of Natural Significance (ANS) Map from the Ontario Ministry of Natural Resources (**Appendix E**). No Provincial Parks, provincially significant wetlands, conservation areas, or Areas of Natural Scientific Interest were identified within 250 m of the Site boundaries.

Based on a review of the Nottawasaga Valley Conservation Authority (NVCA) online mapping tool, the majority (>75%) of the Site is located within the regulated NVCA limit due to the presence of the on-Site creek and pond.

6.0 Regulatory Records Review

Copies of all regulatory correspondence cited in this Section are provided in **Appendix H**.

6.1 Provincial Records

6.1.1 Access Environment

A review of the MECP Access Environment was conducted as part of the Phase I ESA, which did not identify any listings for the Site or properties within 250 m of the Site.

6.1.2 Freedom of Information

A Freedom of Information (FOI) request was filed for information relating to any control orders, violation notices, spills, or other environmental concerns for the Site with the MECP on February 25, 2025. The MECP provided a response on March 26, 2025, indicating that no records were identified in relation to the Site.

6.1.3 MECP Inventories – Landfills and Coal Gasification Sites

The Site and surrounding properties are not listed in the MECP's inventory of landfills or coal gasification sites.

6.2 TSSA Records

A request was filed with the Ontario Technical Standards & Safety Authority (TSSA) on February 25, 2025, to obtain information with respect to the storage of petroleum products at the Site. A response from the TSSA on the same date indicated that no records were found for any fuel storage tanks at the Site.

6.3 Municipal Records

An FOI request was not submitted to the local municipality as part of the Phase I ESA. Given the availability of historical information provided via other sources, the lack of municipal records is not anticipated to alter the conclusions of the Phase I ESA.

6.4 ERIS Databases

Crozier submitted a request to the ERIS databases for a search of federal, provincial, and private source databases within a 250 m radius of the boundaries of the Site. A copy of the ERIS report is presented in **Appendix C**. The ERIS database records are summarized below.

The results of the ERIS report identified a total of one (1) record for the Site and ten (10) records within a 250 m radius of the property boundaries including listings in the following databases:

- WWIS – Water Well Information System.

It was noted that two (2) of the WWIS records listed as off-Site are in fact located on-Site based on information obtained from other sources.

Records pertaining to the Site are presented in **Table 7A** below.

Table 7A: ERIS Databases – On-Site

Database	Address	Date	Description
WWIS	Lot 8, Con 3	1973	Domestic water supply well
		1991	Domestic water supply well
		1999	Domestic water supply well

ERIS database listings for the Site did not identify any potential environmental concerns.

Records pertaining to records for off-Site properties within 250 m of the Site are presented in **Table 7B**.

Table 7B: ERIS Databases – Surrounding Properties

Address	Direction / Distance (m)	Elev. Diff. (m)	Database	Date	Description
RR#1 Shelburne, Lot 8, Con 2	E / 92.4	1.26	WWIS	2004	Domestic water supply well
Lot 8, Con 2	ENE / 220.1	-1.94	WWIS	2005	Domestic water supply well
476467 Lot 8, Con 2	ENE / 222.0	-1.94	WWIS	2005	Domestic water supply well
Lot 8, Con 2	E / 225.2	-0.74	WWIS	2004	Domestic water supply well
Lot 9, Con 3	NW / 226.6	7.95	WWIS	1991, 1995, 1999	Three (3) domestic water supply wells
Lot 9, Con 2	E / 243.6	0.08	WWIS	2006	Domestic water supply well

The ERIS report also included results for five (5) unplottable listings as follows:

- One (1) Abandoned Aggregate Inventory (AAGR) listing;
- One (1) Ontario Spills (SPL) listing; and
- Three (3) WWIS listings.

A review of the unplottable listings did not identify any potential environmental concerns based on the nature of the listings and/or significant distance from the Site (>250 m). It is noted that none of the unplottable listings are located at the Site.

Based on the information obtained from the ERIS database no listings identified within 250 m of the Site are considered to represent a potential environmental concern in relation to the Site.

7.0 Historical Site Use Summary

7.1 Historical Site Use Summary

Based on a review of the available historical documentation, the Site appears to have been undeveloped forested land and fields until development as a campground in the 1960s. The Site has been utilized as a campground since that time with an expansion occurring in the 1980s with a gradual transition to a permanent residential community. The Site is currently utilized as a campground and residential community which leases units for seasonal and year-round residential occupancy.

7.2 Historical Adjacent Properties Use Summary

Surrounding properties to the west and north have historically and currently consist of a mix of agricultural cropland and undeveloped forested land and vacant fields. Surrounding property use to the south and east has generally consisted of agricultural cropland since at least the 1930s. Several rural residential properties were developed along 3rd Line to the east and southeast between the 1990s and present.

8.0 Interviews

Crozier interviewed the following individual knowledgeable of the Site and current/historical on-Site operations by in-person interview.

Name	Title/Position	Date / Location
John Endeman	Facility Manager	March 11, 2025 / on-Site

Crozier compared the information obtained from the interview with information obtained from historical records. Where applicable, the information provided by the Site Representative was corroborated by the available historical records. As such, Crozier has no concerns regarding the validity of the information provided by the individuals interviewed for the Phase I ESA.

9.0 Site Reconnaissance

Crozier representative Mr. Matthew Huson, a Senior Geoscientist, conducted a visual assessment of the Site and surrounding properties on March 11, 2025, between the hours of 9:45 AM and 11:45 AM. During the Site Reconnaissance, Crozier was accompanied by Mr. John Endeman. The weather during the Site visit was clear and sunny and the temperature was approximately 5 degrees Celsius.

The Site visit consisted of a walkthrough of the Site and visual reconnaissance of neighbouring properties from publicly accessible areas. Selected photographs taken during the Site Reconnaissance are presented in **Appendix B**. There were no access restrictions during the Site Reconnaissance.

Table 8: Hazardous Substances

Topic	Findings
Chemicals & Petroleum Products	Building A (Recreation Centre) • Small quantities of paint and cleaning chemicals stored on shelving • Chlorine for water treatment present in tanks in the basement adjacent to the water treatment system Building B (Lawn Equipment Shed) • Two jerry cans containing gasoline (1 x 5 L, 1 x 20 L) • Small quantities of marking paint and lubricant in manufacturer supplied containers.
Hazardous Waste Management	Hazardous waste is not generated on-Site on a regular basis. When required, small quantities of hazardous waste materials such as empty petroleum product, chemical, and paint containers are collected by a third-party contractor and disposed of off-Site at a licensed facility.
Compressed Gases	Portable propane cylinders of varying capacity used for heating of residential structures were observed at leased units throughout the Site.
Above Ground and Underground Storage Tanks	One (1) 1,900 L (500 gallon) fixed steel AST containing propane was observed adjacent to the east of Building A. This AST supplies propane to the heating system for Building A (Recreation Centre). One (1) liquid fuel AST was observed at leased unit in the southwest area of the Site. The use of the AST was not confirmed, however it did not appear to have any connections, and the Site Representative reported that the AST was empty and that the tenant at the unit used a wood-fired heating system for their residence. No staining or evidence of spills was observed in the vicinity of the AST. The Site Representative reported that there was no known historic or current heating oil use on-Site.

Topic	Findings
	No USTs were reported to be present at the Site, nor was any evidence of the presence of USTs, such as fill or vent pipes, observed.
Unidentified Substance Containers	No unidentified substance containers were observed during the Site reconnaissance.
Spills / Staining / Stressed Vegetation	No evidence of spills, staining or stressed vegetation was observed during the Site reconnaissance. However, it is noted that significant snow cover was present during the Site reconnaissance.

9.1 Water and Wastewater

Table 9: Water and Wastewater

Topic	Findings
Water Supply	Water at the Site is supplied by an on-Site drilled well located to the southeast of Building A. Potable water is treated by an on-Site filtration, chlorination, and UV system prior to distribution to residents.
Other Wells	One (1) drilled well was observed to be present in the southwest corner of the Site. The Site Representative reported that this well previously supplied potable water to the Site and remains functional but is no longer in use. One (1) former dug well was reported to have been present at a leased unit in the south-central area of the Site. The dug well was reported to no longer be in use and was decommissioned in 2024. Several monitoring wells were observed throughout the Site; six (6) monitoring wells were installed during the 2024 Geotechnical Investigation.
Wastewater / Sanitary	Domestic wastewater generated at the Site is discharged to on-Site septic systems across the Site, consisting of the following: • Fourteen (14) concrete tanks; • Eleven (11) steel tanks; and • Nineteen (19) plastic barrels.
Stormwater	Stormwater at the Site drains into ditches and surface water features via overland flow.
Pits, Ponds and Lagoons	A pond is located in the southwestern portion of the Site which is fed by, and discharges to, the on-Site stream. No pits or lagoons were observed on-Site.

Topic	Findings
Drains, Sumps, Oil-Water Separators, and Sand Traps	No drains, sumps, oil-water separators, or sand traps were observed or reported to be present on-Site.
Watercourses, Ditches or Standing Water	A stream running from the southwest property boundary to the northeast property boundary was observed to be present on-Site. Ditches were observed to be present adjacent to roadways on-Site as well as at the property boundary along 3rd Line.

9.2 Hydraulic Equipment

No permanent hydraulic equipment was observed during the Site reconnaissance. One (1) hydraulically powered backhoe was observed to be present on-Site adjacent to Building A.

9.3 Air Emissions

Table 10: Air Emissions

Topic	Findings
Washroom, Kitchen, and Process Vents	Ventilation related to washrooms are present within on-Site buildings.
Strong, Pungent or Noxious Odors	None identified.
Air Emissions	On-Site air emissions are limited to HVAC exhaust, vehicle exhaust, and periodic campfires and burning of wood waste.
Vapour Intrusion	None identified.

9.4 Non-Hazardous Wastes

Solid non-hazardous waste generated at the Site consists of general waste related to residential use which is stored in a dumpster and is picked up by a third-party contractor on a monthly basis for off-site disposal or recycling.

Scrap wood and metal generated periodically from the decommissioning of abandoned structures and trailers is either brought to landfill by Site staff or collected on an as-needed basis by a third-party contractor for off-Site disposal.

The Site Representative reported that following the assumption of management responsibilities by the current owner, a significant number of derelict structures were demolished and removed from the Site. Wood waste generated during demolition activities was burned in the former in-ground concrete pool located adjacent to Building A, following which the pool structure was filled in.

The Site Representative also reported that prior to current ownership, a potion of residential waste as well as scrap metal generated at the Site was stored in an on-Site dump located at the north end of the Site. At the time of the Site reconnaissance, the historic waste was no longer present and was reportedly disposed of off-Site by a third-party contractor. Derelict trailers, RVs, and scrap wood and metal waste were observed to remain present adjacent to the former on-Site dump. The Site Representative reported that this waste was generated from the recent demolition of derelict and abandoned structures left by residents and is scheduled for removal by a third-part contractor later this year.

9.5 Fill

No evidence of the presence of significant quantities of imported fill was observed during the Site reconnaissance. Small quantities of fill materials are expected to be present beneath roadways and permanent structures on-Site. The results of the 2024 Geotechnical Report (see **Section 5.2**) identified that fill materials encountered consisted of re-worked native material.

9.6 Polychlorinated Biphenyls (PCBs)

Polychlorinated biphenyl compounds (PCBs) containing dielectric fluids were commonly used in electrical equipment such as transformers, fluorescent lamp ballasts and capacitors until approximately 1980. In Canada, PCBs were prohibited from being used in products, equipment, machinery, electrical transformers, and capacitors that were manufactured or imported into the country after July 1980. However, older equipment in use after this date may still contain PCBs if the equipment's fluid has not been changed, or if there was sufficient inventory of such equipment.

No fluid-filled transformers or confirmed PCB-containing equipment was observed during the Site reconnaissance.

Given the date of initial Site development (1960s), PCB containing equipment may be present within older tenant structures on-Site.

9.7 Asbestos Containing Materials (ACMs)

The use of "friable" ACMs in construction generally ceased in the mid-1970s and was banned through legislation in the mid/late 1980s. The common uses of friable ACMs include sprayed asbestos fire retardants, thermal lagging, such as pipe insulation, low density boards and sheet vinyl underlay or backing.

"Non-friable" asbestos is used to refer to asbestos-containing materials in which the asbestos is firmly bound in the matrix of the material. These materials are unlikely to release measurable levels of asbestos fiber into the airborne environment if they are left undisturbed and consequently pose a lower health risk. These materials may commonly include asbestos cement and caulking products such as sheeting used in walls, ceilings and roofs, molded items such as downpipes, vinyl floor tiles and window and door caulking.

Given the date of initial Site development (1960s), ACMs may be present in older structures on-Site. However, it is noted that structures owned by tenants were not accessible during the Site reconnaissance. Crozier did not conduct an asbestos survey as part of this Phase I ESA, nor was any destructive or intrusive sampling or inspection conducted as part of this Phase I ESA.

9.8 Lead-Based Paint (LBP)

Lead was commonly used as an additive in paints and the concentrations were not regulated until the mid-1970s. The Canadian federal government gradually reduced the allowable lead content in paints and other consumer products, primarily in the interest of public safety. However, the lead content of primers and corrosion protection paints was not regulated until relatively recently. As a result, LBP may be present on metal structural features.

Given the date of initial Site development (1960s), lead-based paints may be present in older structures on-Site. However, it is noted that structures owned by tenants were not accessible during the Site reconnaissance. Crozier did not conduct an LBP survey as part of this Phase I ESA, nor was any destructive or intrusive sampling or inspection conducted as part of this Phase I ESA.

9.9 Mould

Damp and wet conditions can encourage the growth of interior and exterior mould and other microbiological contamination. Inside buildings, moulds grow well in presence of high humidity, in the vicinity of water leaks (e.g., from roofs, windows, pipes, etc.), and in areas of flooding.

No water damage, mould growth, or active leaks were observed in structures inspected during the Site reconnaissance. However, it is noted that structures owned by tenants were not accessible during the Site reconnaissance. A comprehensive mould inspection or intrusive sampling was not part of this Phase I ESA.

9.10 Radon

Radon is a radioactive, colorless, odorless, tasteless noble gas that cannot be detected during a Phase I ESA inspection. According to the Cross-Canada Survey of Radon Concentrations conducted by Health Canada (March 2012), the Site is in the Wellington-Dufferin-Guelph Health Unit, where 89.1% of the tests conducted revealed radon levels below the Canadian Radon Guideline of 200 becquerel per cubic metre (bq/m^3) developed by Health Canada. As such, the Site is in an area of low radon potential.

9.11 Ozone Depleting Substances (ODS)

Given the date of initial Site development (1960s) ODSs may be present in the older air conditioning and refrigeration units present in tenant structures. It is noted that Crozier did not conduct an ODS survey as part of this Phase I ESA, nor was any destructive or intrusive sampling or inspection conducted as part of this Phase I ESA.

9.12 Urea Formaldehyde Foam Insulation (UFFI)

UFFI was widely used as building insulation in Canada in the 1970s, primarily in the retrofitting of existing residential buildings. Since 1980, UFFI has been prohibited from advertising, sale, importation, and use for building purposes in Canada. No evidence of the installation of UFFI was observed during the Site reconnaissance, nor was the presence of UFFI reported by the Site representative.

10.0 Data Gaps

The following data gaps are noted:

- An FOI request was not completed with the municipality; and
- Crozier was unable to access the interior of tenant-owned structures during the Site reconnaissance.
- Snow cover prevented observation of exterior ground surfaces.

Crozier does not anticipate the above-noted data gaps will alter the findings or recommendations provided within this report, given the following:

- Sufficient historical information was obtained via other sources, and thus a municipal FOI request is not anticipated to provide additional relevant information; and

- On-Site tenant structures are utilized for seasonal and permanent residential use and are not expected to contain items or be utilized for activities which would represent a potential environmental concern, nor was any evidence of such use noted via exterior observations made during the Site reconnaissance. In addition, tenant structures at the Site were reported and/or observed to be heated using wood-fired, propane, or electric heating systems. While one (1) tenant unit was observed to have a liquid fuel AST present, this AST was not observed to have any connections and was reported to be empty by the Site Representative.

11.0 Conclusions & Recommendations

Based on the information obtained and research conducted as part of this Phase I ESA, no evidence of "actual" environmental contamination was found. The following sources of "potential" environmental concern were found in connection with the Site:

- The former presence of an on-Site dump and scrap metal storage;
- The current on-Site storage of derelict RVs, trailers, and waste building materials; and
- The presence of a liquid fuel AST with unknown historic use.

Recommendations

Crozier was advised by the Client that the Phase I ESA was required to support the proposed residential redevelopment of the Site as an affordable leasehold community. Based on Pre-Consultation comments provided by the Township of Melancthon, an RSC is not required for Site. With this objective in mind, and the findings presented in this report, Crozier recommends the following:

- Conduct a Limited Phase II ESA to investigate the sources of potential environmental concern found in connection with the Site; and
- Conduct a Designated Substance and Hazardous Materials Survey for permanent and semi-permanent tenant structures (i.e. mobile homes and fixed buildings) prior to future demolition activities due to the potential presence of Designated Substances in building materials given the expected age of some of the structures.

Respectfully submitted,

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MH:MB/stm;cj

J:\2600\2621 - Sheldon Creek Developments\7000 - Chipwoods Park\Reports\Environmental\2025.06.26 _(2621-7000) _PhI ESA_ChipwoodsPk _FINAL-F2 _.docx

12.0 Qualifications

12.1 Confidentiality Statement

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To the extent that more definitive conclusions are desired by the Client than are warranted by the currently available facts, our conclusions and recommendations stated in this report are intended as guidance and not necessarily a firm course of action except where explicitly stated as such. We make no warranties, express or implied, including, without limitation, warranties as to merchantability or fitness of the property for a particular purpose. In addition, the information provided to you in this report is not to be construed as legal advice.

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13.0 References

The following information was reviewed as part of this Phase I ESA:

- Canadian Standards Association (CAN/CSA) Phase I Environmental Site Assessment Standard CSA Z768-01 (R2022).
- Nottawasaga Valley Conservation Authority (NVCA): https://www.nvca.on.ca/ accessed March, 2025.
- Enviroscan Verisk Report, Order 25022500319, dated March 7, 2025.
- ERIS Database Report, Order 25022500319, dated February 28, 2025.
- ERIS City Directory Report, Order 25022500319, dated March 4, 2025.
- ERIS Aerial Photographs, Order 25022500319, dated March 24, 2025.
- Health Canada, "Cross-Canada Survey of Radon Concentrations in Homes – Final Report (March 2012)".
- Intera Technologies Ltd., "Inventory of Coal Gasification Plant Sites in Ontario", April 1987.
- Ministry of the Environment, "Waste Disposal Site Inventory", June 1991.
- Ministry of Natural Resources, Ontario Geological Survey, Map 2418, "Geological Highway Map, Southern Ontario", 1978.
- Ministry of Northern Development and Mines, Ontario Geological Survey, Map 2556, "Quaternary Geology of Ontario, Southern Sheet", 1991.
- Ministry of the Environment, Conservation and Parks, Access Environment: https://www.lioapplications.lrc.gov.on.ca/Access_Environment/index.html?viewer=Access_Environment.AE&locale=en-US, accessed March, 2025.
- Ministry of the Environment, Conservation and Parks, Map: Well Records: https://www.ontario.ca/page/map-well-records, accessed March, 2025.
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- Ministry of Natural Resources and Forestry, Make A Map: Natural Heritage Areas: https://www.lioapplications.lrc.gov.on.ca/Natural_Heritage/index.html?viewer=Natural_Heritage.Natural_Heritage&locale=en-CA, accessed February 2025.
- Township of Melancthon, https://melancthontownship.ca/, accessed March, 2025.
- Dufferin County, https://www.dufferincounty.ca/, accessed March, 2025.
- Google Earth Pro, Version 7.3.6.10201

APPENDIX A

Figures

LIST OF FIGURES

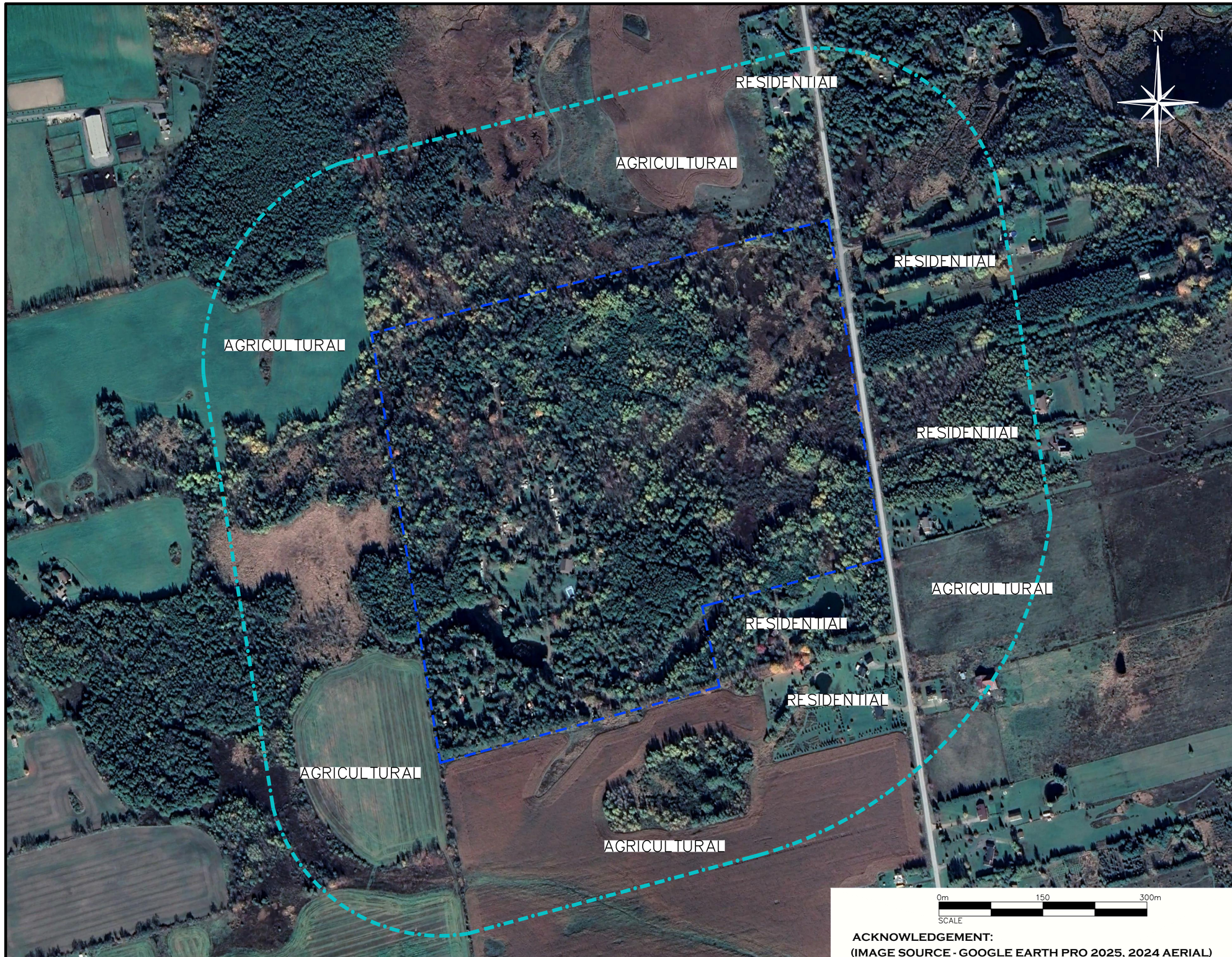
(APPENDIX A)

Figure 1: Site Location Map

Figure 2: Surrounding Property Use

Figure 3: Site Plan Showing Current and Former Site Features

Legend	Project		
PHASE I PROPERTY BOUNDARY	1000719578 ONTARIO INC. PHASE I ENVIRONMENTAL SITE ASSESSMENT 476420 3RD LINE, TOWNSHIP OF MELANCTHON, ONTARIO	CROZIER CONSULTING ENGINEERS	
	Figure Name SITE LOCATION MAP	Drawn By C.T. / Design By C.T. / Project 2621–7000	
		Scale AS SHOWN / Date JUN/2025 / Check By M.H.	Drawing FIGURE 1



ACKNOWLEDGEMENT:
(IMAGE SOURCE - GOOGLE EARTH PRO 2025, 2024 AERIAL)

LEGEND

- PHASE I PROPERTY BOUNDARY
- PHASE I STUDY AREA (APPROX)

Project

1000719578 ONTARIO INC.
PHASE I ENVIRONMENTAL SITE ASSESSMENT
476420 3RD LINE,
TOWNSHIP OF MELANCTHON, ONTARIO

FIGURE NAME

SURROUNDING PROPERTY USE

CROZIER
CONSULTING ENGINEERS

Drawn By	Design By	Project	
C.T.	C.T.		2621–7000
Scale: AS SHOWN	Date: JUN/2025	Check By: M.H.	FIGURE 2

ACKNOWLEDGEMENT:
(IMAGE SOURCE - GOOGLE EARTH PRO 2025, 2024 AERIAL)

LEGEND

- PHASE I PROPERTY BOUNDARY
- EXISTING MONITORING WELL
- POTABLE WELL (DRILLED)
- POTABLE WELL (DECOMISSIONED)
- ON-SITE STREAM

Project

1000719578 ONTARIO INC.
PHASE I ENVIRONMENTAL SITE ASSESSMENT
476420 3RD LINE,
TOWNSHIP OF MELANCTHON, ONTARIO

FIGURE NAME

SITE PLAN SHOWING CURRENT AND FORMER SITE FEATURES

CROZIER CONSULTING ENGINEERS

Drawn By	C.T.	Design By	C.T.	Project	2621-7000
Scale	AS SHOWN	Date	JUN/2025	Check By	M.H.

FIGURE 3

APPENDIX B

Photograph Log

Photo:	1	**Description:**
Date:	2025.03.11	Entrance to Site from 3rd Line.
Direction:	Northwest	

Photo:	2	**Description:**
Date:	2025.03.11	Exterior of Building A (Recreation Centre).
Direction:	Northwest	

Photo:	3	**Description:**
Date:	2025.03.11	Interior of Building A – main floor.
Direction:	South	

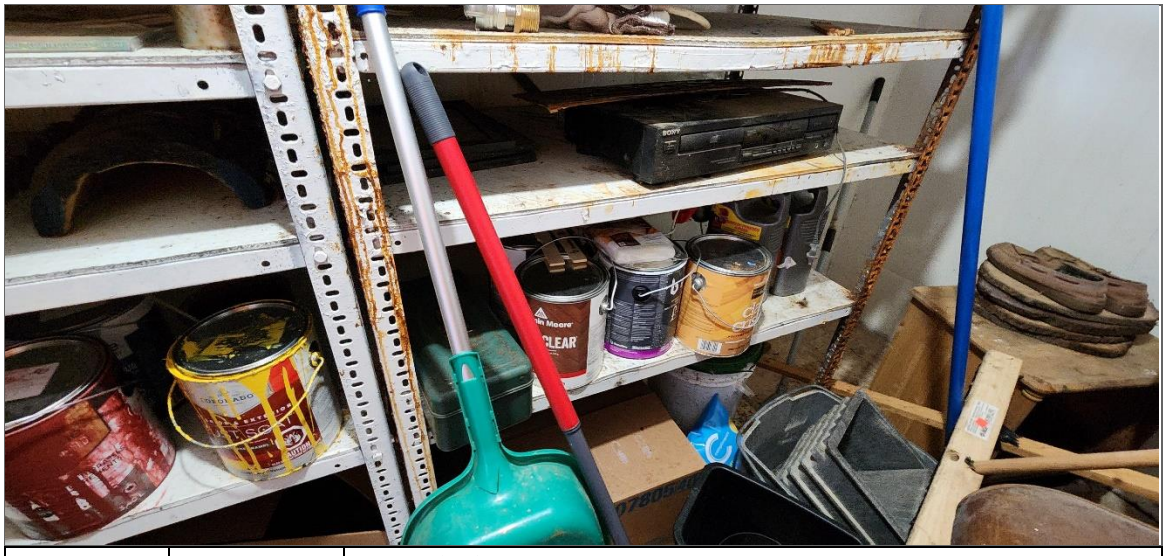


Photo:	4	**Description:**
Date:	2025.03.11	Paint storage in Building A.
Direction:	N/A	

Photo:	5	**Description:**
Date:	2025.03.11	Basement level of Building A.
Direction:	South	

Photo:	6	**Description:**
Date:	2025.03.11	Water treatment system located in the basement of Building A.
Direction:	N/A	

Photo:	7	**Description:**
Date:	2025.03.11	AST containing propane located east of Building A.
Direction:	Southwest	

Photo:	8	**Description:**
Date:	2025.03.11	Shed containing active water supply well, southeast of Building A.
Direction:	Southwest	

Photo:	9	**Description:**
Date:	2025.03.11	Derelict RV and building material storage area located in the northern portion of the Site.
Direction:	North	

Photo:	10	**Description:**
Date:	2025.03.11	Former waste storage area located in the northern portion of the Site.
Direction:	Southwest	

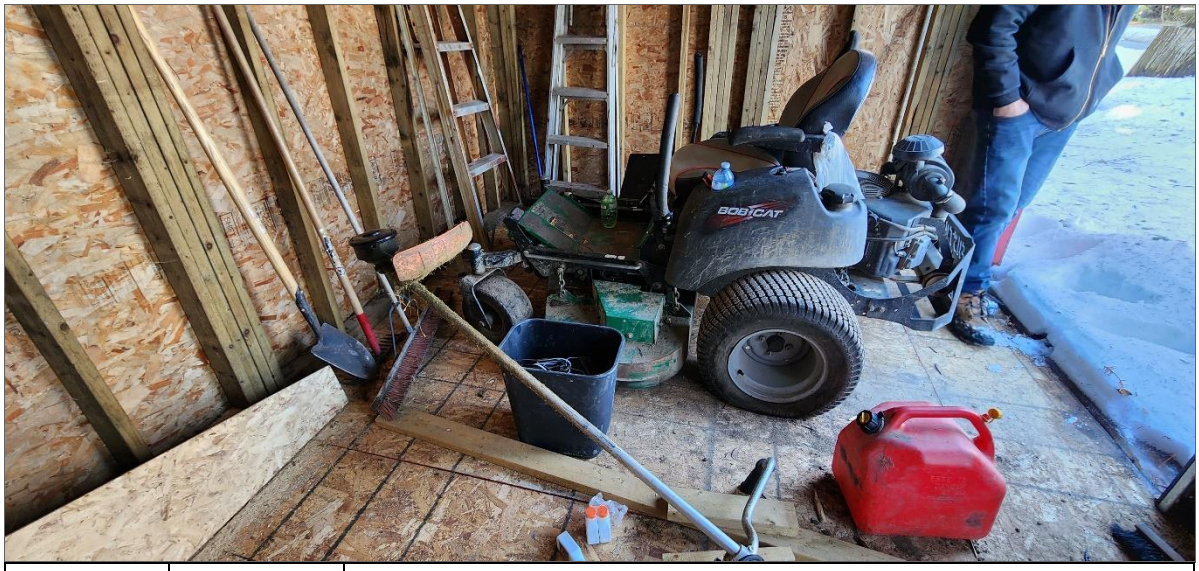


Photo:	11	**Description:**
Date:	2025.03.11	Interior of Building B (Lawn Equipment Storage Shed).
Direction:	West	

Photo:	12	**Description:**
Date:	2025.03.11	On-Site pond in the southwestern portion of the Site.
Direction:	Southwest	

Photo:	13	**Description:**
Date:	2025.03.11	On-Site stream located in the southwestern portion of the Site.
Direction:	East	

Photo:	14	**Description:**
Date:	2025.03.11	Empty liquid fuel AST located at a tenant unit in the southwestern portion of the Site.
Direction:	North	

Photo:	15	**Description:**
Date:	2025.03.11	Shed containing inactive water supply well located along the southwestern property boundary.
Direction:	West	

Photo:	16	**Description:**
Date:	2025.03.11	Waste dumpster containing non-hazardous waste located in the southern portion of the Site, adjacent to the main entrance.
Direction:	Southeast	

Photo:	17	**Description:**
Date:	2025.03.11	Off-Site agricultural property adjacent to the southwest of the Site.
Direction:	Southwest	

Photo:	18	**Description:**
Date:	2025.03.11	Off-Site agricultural property and forested land adjacent to the west of the Site.
Direction:	Northwest	

Photo:	19	**Description:**
Date:	2025.03.11	Off-Site vacant land and forested area adjacent to the north of the Site.
Direction:	West	

Photo:	20	**Description:**
Date:	2025.03.11	Off-Site agricultural property adjacent to the east of the Site, opposite 3rd Line.
Direction:	East	

Photo:	21	**Description:**
Date:	2025.03.11	Off-Site residential property located adjacent to the southeast of the Site.
Direction:	East	

Photo:	22	**Description:**
Date:	2025.03.11	Off-Site agricultural property adjacent to the south of the Site.
Direction:	South	

APPENDIX C

ERIS Database Report

DATABASE REPORT

Project Property:	*Chipwoods Park CSA Phase I ESA* *476420* *Shelburne ON L0N 1S6*
Project No:	*2621-7000*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*25022500319*
Requested by:	*C.F. Crozier & Associates Inc.*
Date Completed:	*February 28, 2025*

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

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Executive Summary

Property Information:

Project Property:	*Chipwoods Park CSA Phase I ESA* *476420 Shelburne ON L0N 1S6*
Project No:	*2621-7000*

Order Information:

Order No:	*25022500319*
Date Requested:	*February 25, 2025*
Requested by:	*C.F. Crozier & Associates Inc.*
Report Type:	*Quote - Custom-Build Your Own Report*

Historical/Products:

Aerial Photographs	*Aerials - National Collection (PDF w JPEG)*
City Directory Search	*Smart CD Search*
ERIS Xplorer	*ERIS Xplorer*
Insurance Products	*Fire Insurance Maps/Inspection Reports/Site Plans*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
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

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPR2	National Pollutant Release Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory - Historic	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PFAS	Ontario PFAS Spills	Y	0	0	0
PFCH	NPRI Reporters - PFAS Substances	Y	0	0	0
PFHA	Potential PFAS Handlers from NPRI	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PPHA	Potential PFAS Handlers from EASR	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	0	0
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
WDSH	***Waste Disposal Sites - MOE 1991 Historical Approval Inventory***	*Y*	*0*	*0*	*0*
WWIS	***Water Well Information System***	*Y*	*1*	*10*	*11*
		Total:	*1*	*10*	*11*

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	WWIS		lot 8 con 3 ON ***Well ID:*** 1701434	SSW/0.0	3.50	14

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	WWIS		lot 8 con 3 ON **Well ID:** 1705324	WSW/2.2	6.99	17
2	WWIS		lot 8 con 3 ON **Well ID:** 1704376	WSW/2.2	6.99	21
3	WWIS		RR#1 SHELBURNE lot 8 con 2 ON **Well ID:** 1706278	E/92.4	1.26	24
4	WWIS		lot 8 con 2 ON **Well ID:** 1706342	ENE/220.1	-1.94	28
5	WWIS		476467 lot 8 con 2 ON **Well ID:** 1706336	ENE/222.0	-1.94	35
6	WWIS		lot 8 con 2 ON **Well ID:** 1706286	E/225.2	-0.74	38
7	WWIS		lot 9 con 3 ON **Well ID:** 1704290	NW/226.6	7.95	43
7	WWIS		lot 9 con 3 ON **Well ID:** 1704866	NW/226.6	7.95	47
8	WWIS		lot 9 con 3 ON **Well ID:** 1705278	NW/226.7	7.95	51
9	WWIS		lot 9 con 2 ON **Well ID:** 1706699	E/243.6	0.08	54

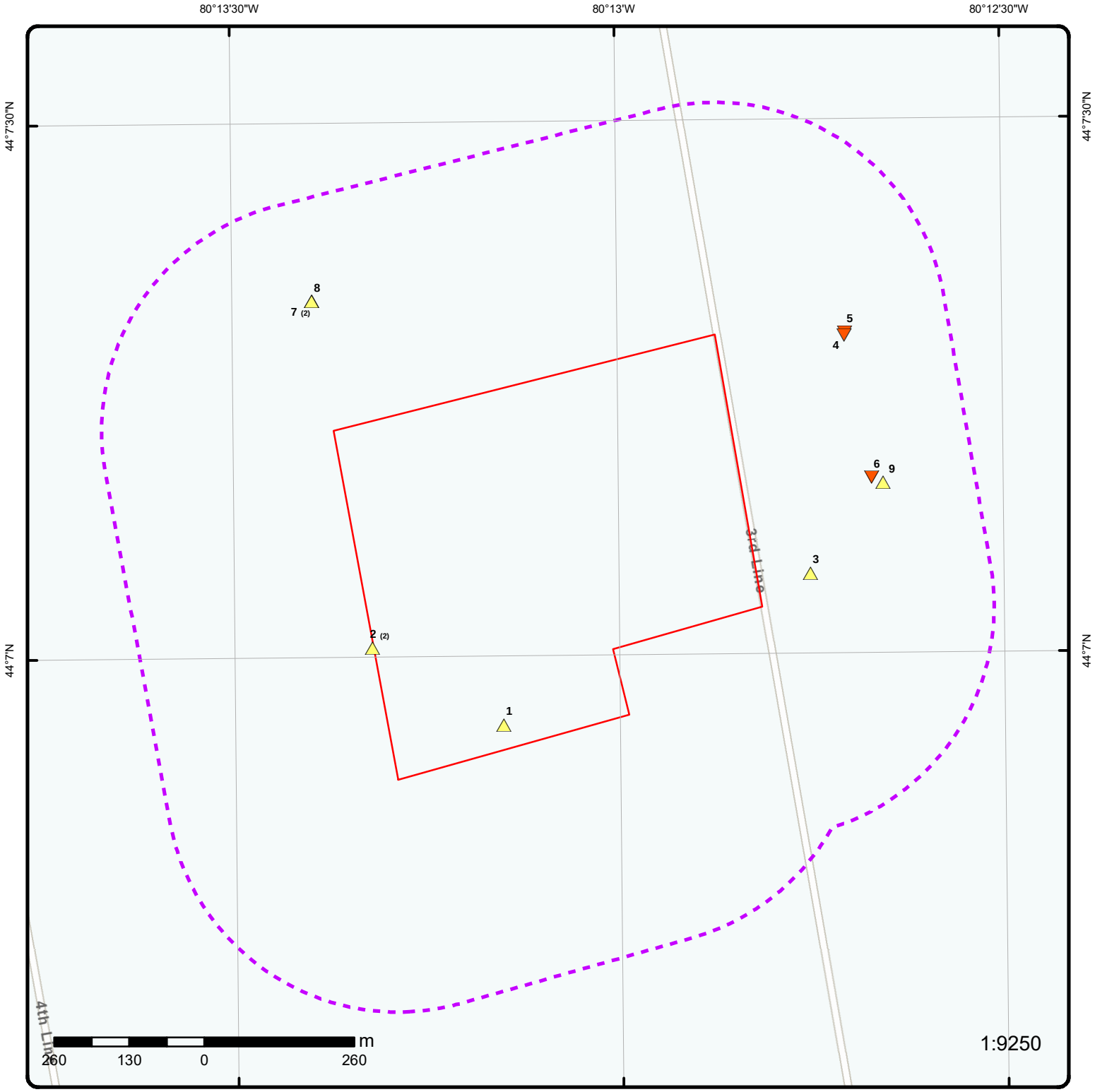
Executive Summary: Summary By Data Source

WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31 2023 has found that there are 11 WWIS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	lot 8 con 3 ON ***Well ID:*** 1701434	0.0	1
	lot 8 con 3 ON ***Well ID:*** 1705324	2.2	2
	lot 8 con 3 ON ***Well ID:*** 1704376	2.2	2
	RR#1 SHELBURNE lot 8 con 2 ON ***Well ID:*** 1706278	92.4	3
	lot 8 con 2 ON ***Well ID:*** 1706342	220.1	4
	476467 lot 8 con 2 ON ***Well ID:*** 1706336	222.0	5
	lot 8 con 2 ON ***Well ID:*** 1706286	225.2	6
	lot 9 con 3 ON ***Well ID:*** 1704290	226.6	7
	lot 9 con 3 ON ***Well ID:*** 1704866	226.6	7

Site	Address	Distance (m)	Map Key
	lot 9 con 3 ON ***Well ID:*** 1705278	226.7	**8**
	lot 9 con 2 ON ***Well ID:*** 1706699	243.6	**9**



Map: 0.25 Kilometer Radius

Order Number: 25022500319
Address: 476420, Shelburne, ON

Project Property
Buffer Outline
Eris Sites with Higher Elevation
Eris Sites with Same Elevation
Eris Sites with Lower Elevation
Eris Sites with Unknown Elevation

Freeways; Highways
Traffic Circle; Ramp
Major Arterial; Minor Arterial
Local Road
Service Road; Traffic Circle; Ramp
Rail

Beach
Airport
Industrial Area
Military Base
Aircraft Roads
Native Reservation
Hospital

Shopping & Sports Area
University/College
Cemetery; Golf Course
Parkt (National)
Park (City/County)

Source: © 2021 ESRI StreetMap Premium.

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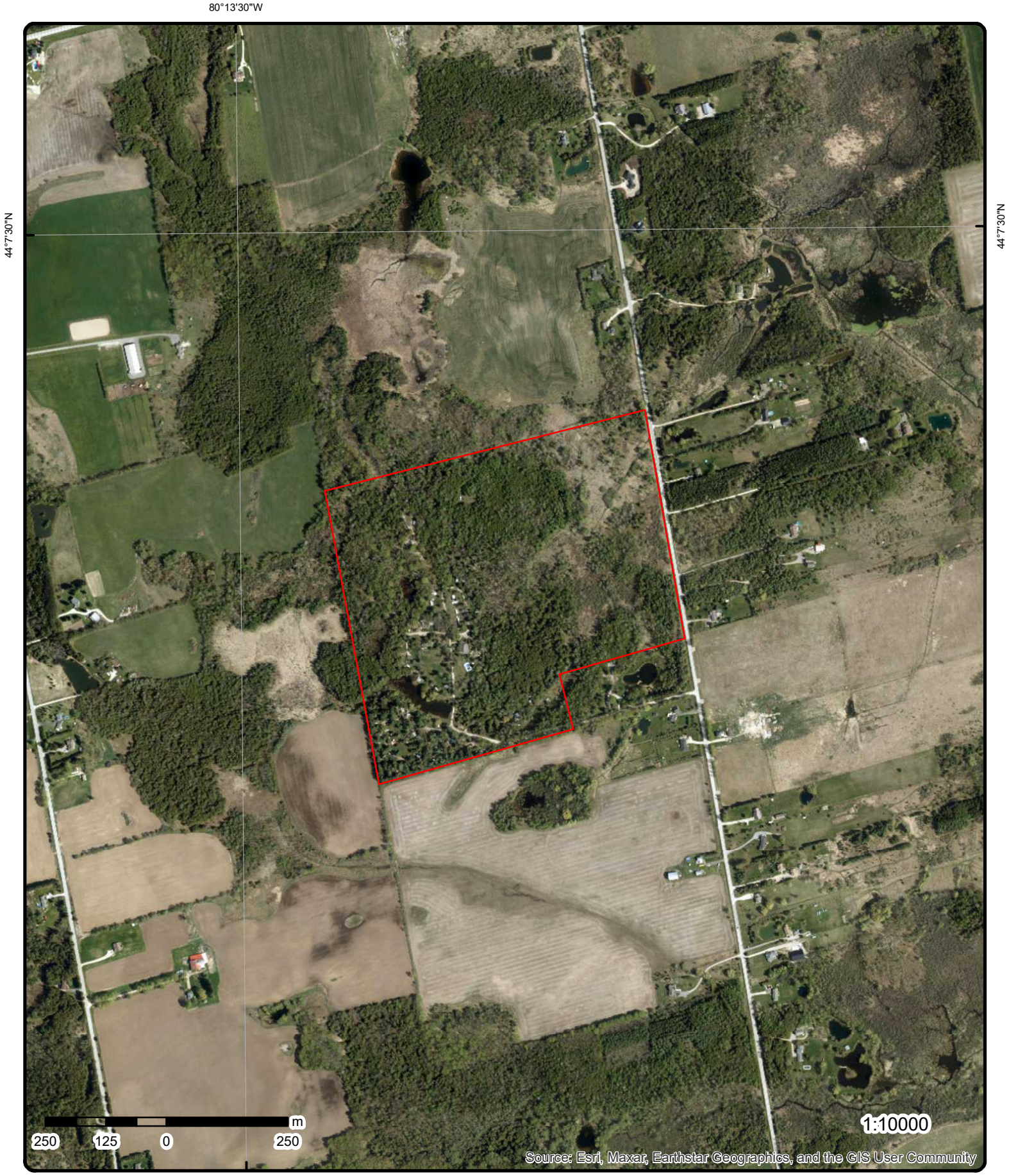

Aerial

Year: 2023

Order Number: 25022500319

Address: 476420, Shelburne, ON

Source: ESRI World Imagery

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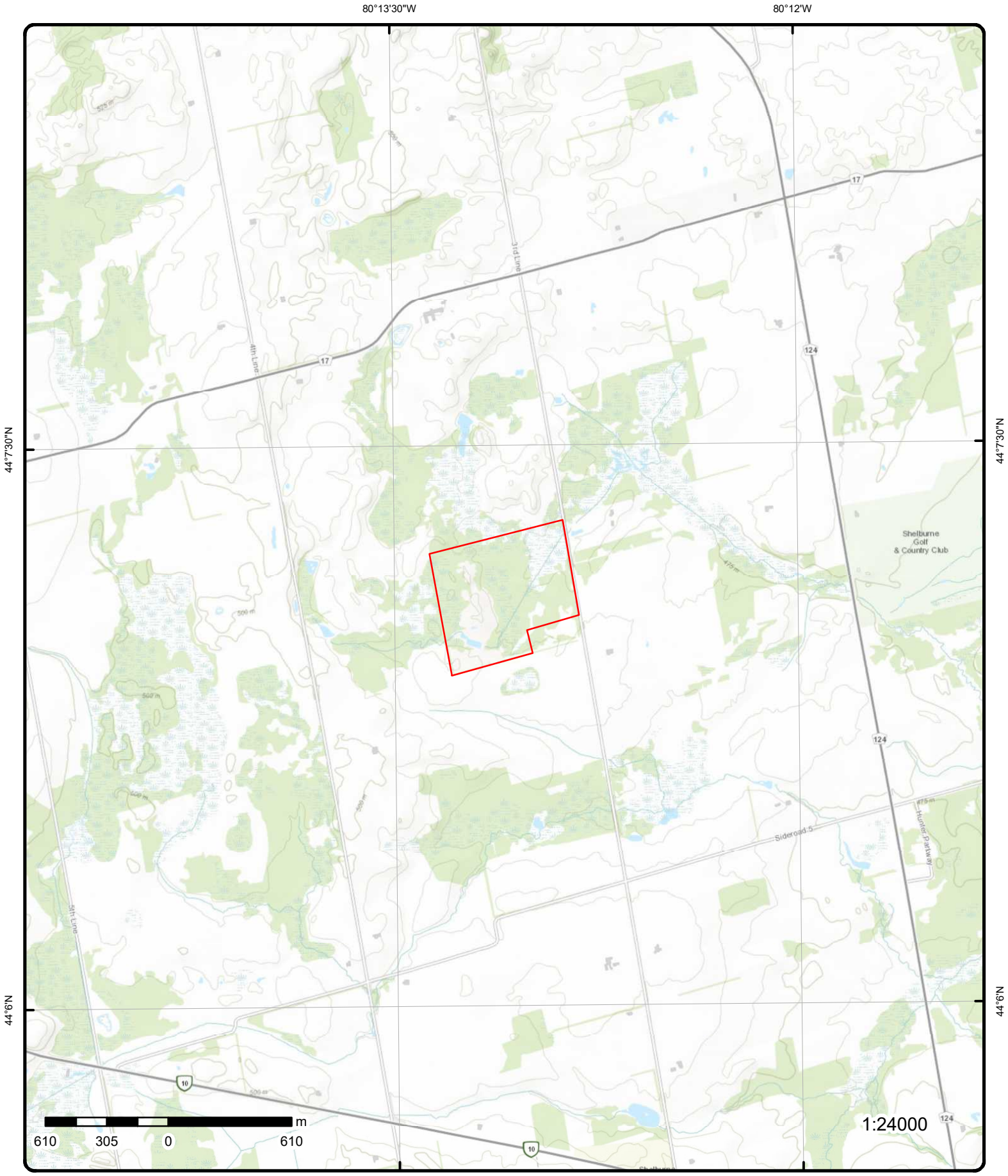

Topographic Map

Address: 476420, ON

Source: ESRI World Topographic Map

Order Number: 25022500319

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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	SSW/0.0	485.4 / 3.50	lot 8 con 3 ON	WWIS

Well ID:	1701434	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Public	**Data Entry Status:**	
Use 2nd:	Domestic	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	05/10/1973
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1315
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	DUFFERIN
Elevatn Reliabilty:		**Lot:**	008
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

Municipality: MELANCTHON TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/170\1701434.pdf

Additional Detail(s) (Map)

Well Completed Date:	04/01/1973
Year Completed:	1973
Depth (m):	20.7264
Latitude:	44.1155841668156
Longitude:	-80.2192019118025
X:	-80.21920176097522
Y:	44.115584166362304
Path:	170\1701434.pdf

Bore Hole Information

Bore Hole ID:	10060164	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	562478.20
Code OB Desc:		**North83:**	4885007.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	6
Date Completed:	04/01/1973	**UTMRC Desc:**	margin of error : 300 m - 1 km
Remarks:		**Location Method:**	p6

Location Method Desc: Original Pre1985 UTM Rel Code 6: margin of error : 300 m - 1 km
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	931101227
Layer:	4
Color:	
General Color:	
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	26
Material 2 Desc:	ROCK
Material 3:	28
Material 3 Desc:	SAND
Formation Top Depth:	33.0
Formation End Depth:	46.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931101224
Layer:	1
Color:	
General Color:	
Material 1:	02
Material 1 Desc:	TOPSOIL
Material 2:	28
Material 2 Desc:	SAND
Material 3:	05
Material 3 Desc:	CLAY
Formation Top Depth:	0.0
Formation End Depth:	4.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931101225
Layer:	2
Color:	
General Color:	
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	11
Material 2 Desc:	GRAVEL
Material 3:	13
Material 3 Desc:	BOULDERS
Formation Top Depth:	4.0
Formation End Depth:	26.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931101228
Layer:	5
Color:	
General Color:	
Material 1:	15
Material 1 Desc:	LIMESTONE

Material 2:	26
Material 2 Desc:	ROCK
Material 3:	
Material 3 Desc:	
Formation Top Depth:	46.0
Formation End Depth:	68.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931101226
Layer:	3
Color:	
General Color:	
Material 1:	11
Material 1 Desc:	GRAVEL
Material 2:	08
Material 2 Desc:	FINE SAND
Material 3:	
Material 3 Desc:	
Formation Top Depth:	26.0
Formation End Depth:	33.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961701434
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10608734
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930110567
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	47.0
Casing Diameter:	7.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	991701434
Pump Set At:	
Static Level:	2.0
Final Level After Pumping:	2.0
Recommended Pump Depth:	20.0
Pumping Rate:	40.0
Flowing Rate:	

Recommended Pump Rate:	40.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	3
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934401773
Test Type:	Draw Down
Test Duration:	30
Test Level:	2.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934662152
Test Type:	Draw Down
Test Duration:	45
Test Level:	2.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934919627
Test Type:	Draw Down
Test Duration:	60
Test Level:	2.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934118580
Test Type:	Draw Down
Test Duration:	15
Test Level:	2.0
Test Level UOM:	ft

Water Details

Water ID:	933499818
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	66.0
Water Found Depth UOM:	ft

2	***1 of 2***	***WSW/2.2***	***488.9 / 6.99***	***lot 8 con 3 ON***	***WWIS***

Well ID:	1705324	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	07/29/1999
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	

Audit No:	199507	**Contractor:**	3561
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	DUFFERIN
Elevatn Reliabilty:		**Lot:**	008
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	MELANCTHON TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/170\1705324.pdf

Additional Detail(s) (Map)

Well Completed Date:	07/24/1999
Year Completed:	1999
Depth (m):	21.336
Latitude:	44.1168099378646
Longitude:	-80.2220351685223
X:	-80.22203501851672
Y:	44.11680993773233
Path:	170\1705324.pdf

Bore Hole Information

Bore Hole ID:	10064019	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	562250.20
Code OB Desc:		**North83:**	4885141.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	07/24/1999	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	lot
Location Method Desc:	Lot centroid		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931118963
Layer:	2
Color:	3
General Color:	BLUE
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	45.0
Formation End Depth:	65.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931118964
Layer:	3
Color:	6
General Color:	BROWN
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	65.0
Formation End Depth:	70.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931118962
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	11
Material 1 Desc:	GRAVEL
Material 2:	28
Material 2 Desc:	SAND
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	45.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961705324
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10612589
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930116874
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	66.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	991705324
Pump Set At:	
Static Level:	27.0
Final Level After Pumping:	35.0
Recommended Pump Depth:	65.0
Pumping Rate:	30.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	30
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934120955
Test Type:	Recovery
Test Duration:	15
Test Level:	35.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934913749
Test Type:	Recovery
Test Duration:	60
Test Level:	35.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934393704
Test Type:	Recovery
Test Duration:	30
Test Level:	35.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934662952
Test Type:	Recovery
Test Duration:	45
Test Level:	35.0
Test Level UOM:	ft

Water Details

Water ID:	933504597
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	70.0
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	2 of 2	WSW/2.2	488.9 / 6.99	lot 8 con 3 ON	WWIS

Well ID:	1704376	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	10/28/1991
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	103132	**Contractor:**	3602
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	DUFFERIN
Elevatn Reliabilty:		**Lot:**	008
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	MELANCTHON TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/170\1704376.pdf

Additional Detail(s) (Map)

Well Completed Date:	09/27/1991
Year Completed:	1991
Depth (m):	24.384
Latitude:	44.1168099378646
Longitude:	-80.2220351685223
X:	-80.22203501851672
Y:	44.11680993773233
Path:	170\1704376.pdf

Bore Hole Information

Bore Hole ID:	10063074	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	562250.20
Code OB Desc:		**North83:**	4885141.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	09/27/1991	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	lot
Location Method Desc:	Lot centroid		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931114009
Layer:	1
Color:	6
General Color:	BROWN

Material 1:	28
Material 1 Desc:	SAND
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	8.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931114012
Layer:	4
Color:	1
General Color:	WHITE
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	73
Material 2 Desc:	HARD
Material 3:	
Material 3 Desc:	
Formation Top Depth:	35.0
Formation End Depth:	80.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931114010
Layer:	2
Color:	6
General Color:	BROWN
Material 1:	28
Material 1 Desc:	SAND
Material 2:	11
Material 2 Desc:	GRAVEL
Material 3:	12
Material 3 Desc:	STONES
Formation Top Depth:	8.0
Formation End Depth:	12.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931114011
Layer:	3
Color:	2
General Color:	GREY
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	12
Material 2 Desc:	STONES
Material 3:	87
Material 3 Desc:	STONEY
Formation Top Depth:	12.0
Formation End Depth:	35.0
Formation End Depth UOM:	ft

Annular Space/Abandonment

Sealing Record

Plug ID:	933117950
Layer:	2
Plug From:	8.0
Plug To:	14.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933117949
Layer:	1
Plug From:	8.0
Plug To:	14.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961704376
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10611644
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930115287
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	36.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	991704376
Pump Set At:	
Static Level:	14.0
Final Level After Pumping:	70.0
Recommended Pump Depth:	70.0
Pumping Rate:	6.0
Flowing Rate:	
Recommended Pump Rate:	6.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	2
Pumping Duration MIN:	0

Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934118189
Test Type: Recovery
Test Duration: 15
Test Level: 70.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934400131
Test Type: Recovery
Test Duration: 30
Test Level: 70.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934660171
Test Type: Recovery
Test Duration: 45
Test Level: 70.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934919142
Test Type: Recovery
Test Duration: 60
Test Level: 70.0
Test Level UOM: ft

Water Details

Water ID: 933503306
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 40.0
Water Found Depth UOM: ft

3	1 of 1	E/92.4	483.2 / 1.26	RR#1 SHELBURNE lot 8 con 2 ON	WWIS

Well ID:	1706278	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	09/14/2004
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z00531	**Contractor:**	3561
Tag:	A000441	**Form Version:**	3
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	DUFFERIN
Elevatn Reliabilty:		**Lot:**	008
Depth to Bedrock:		**Concession:**	02
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	

Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	MELANCTHON TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/170\1706278.pdf

Additional Detail(s) (Map)

Well Completed Date:	08/22/2004
Year Completed:	2004
Depth (m):	18.288
Latitude:	44.1179062918924
Longitude:	-80.2125376096422
X:	-80.21253745913253
Y:	44.117906291416496
Path:	170\1706278.pdf

Bore Hole Information

Bore Hole ID:	11173170	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	563009.00
Code OB Desc:		***North83:***	4885270.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	3
Date Completed:	08/22/2004	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932969829
Layer:	3
Color:	1
General Color:	WHITE
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	36.0
Formation End Depth:	60.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932969828
Layer:	2
Color:	6
General Color:	BROWN

Material 1:	05
Material 1 Desc:	CLAY
Material 2:	12
Material 2 Desc:	STONES
Material 3:	11
Material 3 Desc:	GRAVEL
Formation Top Depth:	1.0
Formation End Depth:	36.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932969827
Layer:	1
Color:	8
General Color:	BLACK
Material 1:	02
Material 1 Desc:	TOPSOIL
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	1.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933253684
Layer:	1
Plug From:	0.0
Plug To:	20.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961706278
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	11181689
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930843690
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	38.0
Depth To:	60.0
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930843689
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-2.0
Depth To:	35.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	11189944
Pump Set At:	
Static Level:	
Final Level After Pumping:	15.0
Recommended Pump Depth:	40.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	3
Water State After Test:	OTHER
Pumping Test Method:	2
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	

Draw Down & Recovery

Pump Test Detail ID:	11263501
Test Type:	Draw Down
Test Duration:	60
Test Level:	10.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	11263502
Test Type:	Recovery
Test Duration:	60
Test Level:	10.0
Test Level UOM:	ft

Water Details

Water ID:	934050913
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60.0
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	11306412

Diameter:	6.0
Depth From:	20.0
Depth To:	60.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Hole Diameter

Hole ID:	11306411
Diameter:	8.0
Depth From:	0.0
Depth To:	20.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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4 | **1 of 1** | **ENE/220.1** | **480.0 / -1.94** | **lot 8 con 2 ON** | **WWIS**

Well ID:	1706342	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Water Supply	**Date Received:**	02/25/2005
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z06219	**Contractor:**	3406
Tag:	_NO_TAG	**Form Version:**	3
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	DUFFERIN
Elevatn Reliabilty:		**Lot:**	008
Depth to Bedrock:		**Concession:**	02
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	MELANCTHON TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/170\1706342.pdf

Additional Detail(s) (Map)

Well Completed Date:	01/08/2004
Year Completed:	2004
Depth (m):	28.98
Latitude:	44.1216193124408
Longitude:	-80.2117633838438
X:	-80.21176323342995
Y:	44.12161931181214
Path:	170\1706342.pdf

Bore Hole Information

Bore Hole ID:	11316765	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	563067.00
Code OB Desc:		**North83:**	4885683.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	01/08/2004	**UTMRC Desc:**	margin of error : 30 m - 100 m

Remarks:
Location Method: wwr
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 932998459
Layer: 1
Color: 8
General Color: BLACK
Material 1: 02
Material 1 Desc: TOPSOIL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 0.6100000143051147
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 932998461
Layer: 3
Color: 6
General Color: BROWN
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 6.400000095367432
Formation End Depth: 21.350000381469727
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 932998463
Layer: 5
Color: 2
General Color: GREY
Material 1: 17
Material 1 Desc: SHALE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 28.670000076293945
Formation End Depth: 28.979999542236328
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID:	932998460
Layer:	2
Color:	6
General Color:	BROWN
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	11
Material 2 Desc:	GRAVEL
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.6100000143051147
Formation End Depth:	6.400000095367432
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	932998462
Layer:	4
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	21.350000381469727
Formation End Depth:	28.670000076293945
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933265135
Layer:	1
Plug From:	0.0
Plug To:	6.400000095367432
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	961706342
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	11331620
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930856419
Layer:	1
Material:	1
Open Hole or Material:	STEEL

Depth From:	-0.6000000238418579
Depth To:	7.320000171661377
Casing Diameter:	158.0
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Casing

Casing ID:	930856420
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	7.320000171661377
Depth To:	28.979999542236328
Casing Diameter:	
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	11345972
Pump Set At:	22.56999969482422
Static Level:	1.0700000524520874
Final Level After Pumping:	5.75
Recommended Pump Depth:	22.0
Pumping Rate:	50.0
Flowing Rate:	
Recommended Pump Rate:	36.36000061035156
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	

Draw Down & Recovery

Pump Test Detail ID:	11357353
Test Type:	Recovery
Test Duration:	25
Test Level:	1.4299999475479126
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11357360
Test Type:	Draw Down
Test Duration:	10
Test Level:	2.5799999237060547
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11357368
Test Type:	Draw Down
Test Duration:	3
Test Level:	2.2699999809265137
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID: 11357373
Test Type: Draw Down
Test Duration: 30
Test Level: 2.9000000953674316
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11357364
Test Type: Draw Down
Test Duration: 4
Test Level: 2.3399999141693115
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11357366
Test Type: Draw Down
Test Duration: 2
Test Level: 2.119999885559082
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11357374
Test Type: Draw Down
Test Duration: 60
Test Level: 3.1500000953674316
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11357375
Test Type: Draw Down
Test Duration: 40
Test Level: 3.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11357354
Test Type: Draw Down
Test Duration: 25
Test Level: 2.8499999046325684
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11357357
Test Type: Recovery
Test Duration: 15
Test Level: 1.5299999713897705
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11357370

Test Type: Recovery
Test Duration: 4
Test Level: 1.7899999618530273
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11357377
Test Type: Recovery
Test Duration: 60
Test Level: 1.2400000095367432
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11357355
Test Type: Recovery
Test Duration: 20
Test Level: 1.4700000286102295
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11357362
Test Type: Draw Down
Test Duration: 5
Test Level: 2.4000000953674316
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11357363
Test Type: Recovery
Test Duration: 50
Test Level: 1.2899999618530273
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11357372
Test Type: Recovery
Test Duration: 40
Test Level: 1.3300000429153442
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11357358
Test Type: Draw Down
Test Duration: 15
Test Level: 2.700000047683716
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11357359
Test Type: Recovery
Test Duration: 10
Test Level: 1.6200000047683716
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11357365
Test Type: Recovery
Test Duration: 1
Test Level: 2.059999942779541
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11357367
Test Type: Recovery
Test Duration: 2
Test Level: 1.9299999475479126
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11357371
Test Type: Draw Down
Test Duration: 50
Test Level: 3.0899999141693115
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11357361
Test Type: Recovery
Test Duration: 5
Test Level: 1.75
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11357376
Test Type: Recovery
Test Duration: 30
Test Level: 1.3899999856948853
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11357352
Test Type: Draw Down
Test Duration: 1
Test Level: 1.840000033378601
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11357356
Test Type: Draw Down
Test Duration: 20
Test Level: 2.7799999713897705
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:	11357369
Test Type:	Recovery
Test Duration:	3
Test Level:	1.850000023841858
Test Level UOM:	m

Water Details

Water ID:	934058003
Layer:	2
Kind Code:	
Kind:	
Water Found Depth:	14.0
Water Found Depth UOM:	m

Water Details

Water ID:	934058004
Layer:	3
Kind Code:	
Kind:	
Water Found Depth:	28.65999984741211
Water Found Depth UOM:	m

Water Details

Water ID:	934058002
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	10.899999618530273
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	11534462
Diameter:	250.0
Depth From:	0.0
Depth To:	6.400000095367432
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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5 | **1 of 1** | **ENE/222.0** | **480.0 / -1.94** | **476467 lot 8 con 2 ON** | **WWIS**

Well ID:	1706336	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Abandoned-Other	**Date Received:**	02/25/2005
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	Yes
Audit No:	Z06188	**Contractor:**	3406
Tag:		**Form Version:**	3
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	DUFFERIN
Elevatn Reliabilty:		**Lot:**	008
Depth to Bedrock:		**Concession:**	02
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	

Clear/Cloudy:
UTM Reliability:
Municipality: MELANCTHON TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/170\1706336.pdf

Additional Detail(s) (Map)

Well Completed Date: 01/13/2004
Year Completed: 2004
Depth (m):
Latitude: 44.1216642385314
Longitude: -80.2117502880985
X: -80.21175013689141
Y: 44.121664238436765
Path: 170\1706336.pdf

Bore Hole Information

Bore Hole ID: 11316759
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 01/13/2004
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83: 563068.00
North83: 4885688.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 933265106
Layer: 1
Plug From: 5.78000020980835
Plug To: 21.329999923706055
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 933265107
Layer: 2
Plug From: 1.5199999809265137
Plug To: 21.329999923706055
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 961706336
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID:	11331614
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930856406
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-1.5199999809265137
Depth To:	5.789999961853027
Casing Diameter:	100.0
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Casing

Casing ID:	930856408
Layer:	3
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	5.789999961853027
Depth To:	21.329999923706055
Casing Diameter:	
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Casing

Casing ID:	930856407
Layer:	2
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	100.0
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Hole Diameter

Hole ID:	11534456
Diameter:	914.0
Depth From:	0.0
Depth To:	1.8200000524520874
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	11534455
Diameter:	100.0
Depth From:	1.5199999809265137
Depth To:	21.329999923706055
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
6	1 of 1	E/225.2	481.2 / -0.74	lot 8 con 2 ON	WWIS

Well ID:	1706286	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	10/07/2004
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z16979	**Contractor:**	7154
Tag:	A016855	**Form Version:**	3
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	DUFFERIN
Elevatn Reliabilty:		**Lot:**	008
Depth to Bedrock:		**Concession:**	02
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	MELANCTHON TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/170\1706286.pdf

Additional Detail(s) (Map)

Well Completed Date:	09/22/2004
Year Completed:	2004
Depth (m):	32.6
Latitude:	44.1193915632405
Longitude:	-80.2111931039786
X:	-80.21119295273378
Y:	44.119391562736475
Path:	170\1706286.pdf

Bore Hole Information

Bore Hole ID:	11173178	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	563115.00
Code OB Desc:		**North83:**	4885436.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	09/22/2004	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932969863
Layer:	1
Color:	6

General Color:	BROWN
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	12
Material 2 Desc:	STONES
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	7.619999885559082
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	932969865
Layer:	3
Color:	6
General Color:	BROWN
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	9.0
Formation End Depth:	14.0
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	932969866
Layer:	4
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	14.0
Formation End Depth:	32.599998474121094
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	932969864
Layer:	2
Color:	6
General Color:	BROWN
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	7.619999885559082
Formation End Depth:	9.0
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933253693
Layer:	1
Plug From:	0.0
Plug To:	6.699999809265137
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	961706286
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	11181697
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930843703
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	9.140000343322754
Depth To:	32.599998474121094
Casing Diameter:	
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Casing

Casing ID:	930843702
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	0.0
Depth To:	9.149999618530273
Casing Diameter:	15.800000190734863
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	11189951
Pump Set At:	7.920000076293945
Static Level:	3.0
Final Level After Pumping:	6.0
Recommended Pump Depth:	8.0
Pumping Rate:	45.0
Flowing Rate:	
Recommended Pump Rate:	45.0
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	1

Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 11231890
Test Type: Draw Down
Test Duration: 4
Test Level: 4.300000190734863
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11231891
Test Type: Draw Down
Test Duration: 5
Test Level: 4.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11232285
Test Type: Recovery
Test Duration: 60
Test Level: 7.920000076293945
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11231893
Test Type: Draw Down
Test Duration: 15
Test Level: 6.599999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11231894
Test Type: Draw Down
Test Duration: 20
Test Level: 6.900000095367432
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11231895
Test Type: Draw Down
Test Duration: 25
Test Level: 7.25
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11232283
Test Type: Draw Down
Test Duration: 50
Test Level: 7.75

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11231888
Test Type: Draw Down
Test Duration: 2
Test Level: 3.700000047683716
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11231892
Test Type: Draw Down
Test Duration: 10
Test Level: 5.900000095367432
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11231889
Test Type: Draw Down
Test Duration: 3
Test Level: 4.099999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11232284
Test Type: Draw Down
Test Duration: 60
Test Level: 7.849999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11231887
Test Type: Draw Down
Test Duration: 1
Test Level: 3.4000000953674316
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11232281
Test Type: Draw Down
Test Duration: 30
Test Level: 7.449999809265137
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11232282
Test Type: Draw Down
Test Duration: 40
Test Level: 7.599999904632568
Test Level UOM: m

Water Details

Water ID:	934050924
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	8.529999732971191
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	11306423
Diameter:	15.600000381469727
Depth From:	9.149999618530273
Depth To:	32.599998474121094
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	11306424
Diameter:	21.59000015258789
Depth From:	0.0
Depth To:	9.149999618530273
Hole Depth UOM:	m
Hole Diameter UOM:	cm

7	1 of 2	NW/226.6	489.9 / 7.95	lot 9 con 3 ON	WWIS

Well ID:	1704290	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:		**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Recharge Well	**Date Received:**	02/06/1991
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	59461	**Contractor:**	2332
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	DUFFERIN
Elevatn Reliabilty:		**Lot:**	009
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	MELANCTHON TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/170\1704290.pdf

Additional Detail(s) (Map)

Well Completed Date:	09/24/1990
Year Completed:	1990
Depth (m):	33.528
Latitude:	44.1222203607
Longitude:	-80.2232765111331
X:	-80.22327635998307
Y:	44.12222036082197
Path:	170\1704290.pdf

Bore Hole Information

Bore Hole ID:	10062988	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	562145.20
Code OB Desc:		***North83:***	4885741.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	09/24/1990	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	lot
Location Method Desc:	Lot centroid		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931113604
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	30
Material 1 Desc:	MEDIUM GRAVEL
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	3.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931113608
Layer:	5
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	85.0
Formation End Depth:	110.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931113605
Layer:	2
Color:	8
General Color:	BLACK
Material 1:	05

Material 1 Desc: CLAY
Material 2: 12
Material 2 Desc: STONES
Material 3: 03
Material 3 Desc: MUCK
Formation Top Depth: 3.0
Formation End Depth: 16.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931113606
Layer: 3
Color: 6
General Color: BROWN
Material 1: 31
Material 1 Desc: COARSE GRAVEL
Material 2: 05
Material 2 Desc: CLAY
Material 3:
Material 3 Desc:
Formation Top Depth: 16.0
Formation End Depth: 36.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931113607
Layer: 4
Color: 2
General Color: GREY
Material 1: 26
Material 1 Desc: ROCK
Material 2: 73
Material 2 Desc: HARD
Material 3:
Material 3 Desc:
Formation Top Depth: 36.0
Formation End Depth: 85.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961704290
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10611558
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930115146
Layer: 2

Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	110.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930115145
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	39.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991704290
Pump Set At:	
Static Level:	5.0
Final Level After Pumping:	27.0
Recommended Pump Depth:	45.0
Pumping Rate:	9.0
Flowing Rate:	
Recommended Pump Rate:	9.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	30
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934117713
Test Type:	Recovery
Test Duration:	15
Test Level:	6.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934918677
Test Type:	Recovery
Test Duration:	60
Test Level:	5.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934660129
Test Type:	Recovery
Test Duration:	45
Test Level:	5.0

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934399667
Test Type: Recovery
Test Duration: 30
Test Level: 5.0
Test Level UOM: ft

Water Details

Water ID: 933503197
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 60.0
Water Found Depth UOM: ft

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Well ID:	1704866	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	06/30/1995
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	131882	**Contractor:**	3813
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	DUFFERIN
Elevatn Reliabilty:		**Lot:**	009
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	MELANCTHON TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/170\1704866.pdf

Additional Detail(s) (Map)

Well Completed Date: 06/05/1995
Year Completed: 1995
Depth (m): 37.1856
Latitude: 44.1222203607
Longitude: -80.2232765111331
X: -80.22327635998307
Y: 44.12222036082197
Path: 170\1704866.pdf

Bore Hole Information

Bore Hole ID:	10063562	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	562145.20

Code OB Desc:		***North83:***	4885741.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	06/05/1995	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	lot
Location Method Desc:	Lot centroid		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931116442
Layer:	4
Color:	1
General Color:	WHITE
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	91.0
Formation End Depth:	122.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931116439
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	28
Material 1 Desc:	SAND
Material 2:	11
Material 2 Desc:	GRAVEL
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	26.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931116440
Layer:	2
Color:	6
General Color:	BROWN
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	26.0
Formation End Depth:	54.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931116441
Layer:	3
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	54.0
Formation End Depth:	91.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961704866
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	10612132
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930116104
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	28.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930116105
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	122.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991704866

Pump Set At:	
Static Level:	24.0
Final Level After Pumping:	100.0
Recommended Pump Depth:	100.0
Pumping Rate:	20.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	30
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934119384
Test Type:	
Test Duration:	15
Test Level:	100.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934912119
Test Type:	
Test Duration:	60
Test Level:	100.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934661763
Test Type:	
Test Duration:	45
Test Level:	100.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934401305
Test Type:	
Test Duration:	30
Test Level:	100.0
Test Level UOM:	ft

Water Details

Water ID:	933503960
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	117.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933503959
Layer:	1

Kind Code:	1
Kind:	FRESH
Water Found Depth:	93.0
Water Found Depth UOM:	ft

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Well ID:	1705278	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	03/09/1999
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	193051	**Contractor:**	7015
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	DUFFERIN
Elevatn Reliabilty:		**Lot:**	009
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	MELANCTHON TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/170\1705278.pdf

Additional Detail(s) (Map)

Well Completed Date:	12/14/1998
Year Completed:	1998
Depth (m):	24.9936
Latitude:	44.1222204031845
Longitude:	-80.2232827598277
X:	-80.2232826095605
Y:	44.12222040273824
Path:	170\1705278.pdf

Bore Hole Information

Bore Hole ID:	10063973	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	562144.70
Code OB Desc:		**North83:**	4885741.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	12/14/1998	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	lot
Location Method Desc:	Lot centroid		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	931118718
Layer:	3
Color:	6
General Color:	BROWN
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	44.0
Formation End Depth:	82.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931118716
Layer:	1
Color:	
General Color:	
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	12
Material 2 Desc:	STONES
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	3.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931118717
Layer:	2
Color:	
General Color:	
Material 1:	11
Material 1 Desc:	GRAVEL
Material 2:	12
Material 2 Desc:	STONES
Material 3:	05
Material 3 Desc:	CLAY
Formation Top Depth:	3.0
Formation End Depth:	44.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961705278
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	10612543
Casing No:	1

Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930116797
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	46.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930116798
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	82.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991705278
Pump Set At:	
Static Level:	23.0
Final Level After Pumping:	40.0
Recommended Pump Depth:	50.0
Pumping Rate:	25.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934120514
Test Type:	Draw Down
Test Duration:	15
Test Level:	40.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934393679
Test Type:	Draw Down
Test Duration:	30
Test Level:	40.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934662922
Test Type:	Draw Down
Test Duration:	45
Test Level:	40.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934913715
Test Type:	Draw Down
Test Duration:	60
Test Level:	40.0
Test Level UOM:	ft

Water Details

Water ID:	933504524
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	65.0
Water Found Depth UOM:	ft

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Well ID:	1706699	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	
Final Well Status:	Water Supply	***Date Received:***	07/13/2006
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	Z50313	***Contractor:***	7154
Tag:	A030073	***Form Version:***	3
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	DUFFERIN
Elevatn Reliabilty:		***Lot:***	009
Depth to Bedrock:		***Concession:***	02
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	MELANCTHON TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/170\1706699.pdf

Additional Detail(s) (Map)

Well Completed Date:	06/19/2006
Year Completed:	2006
Depth (m):	11.2776
Latitude:	44.1193178175088
Longitude:	-80.2109441273806
X:	-80.21094397575584
Y:	44.11931781734274
Path:	170\1706699.pdf

Bore Hole Information

Bore Hole ID:	11550936	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	563135.00
Code OB Desc:		***North83:***	4885428.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	3
Date Completed:	06/19/2006	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	933068164
Layer:	3
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	35.0
Formation End Depth:	37.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	933067837
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	12
Material 2 Desc:	STONES
Material 3:	84
Material 3 Desc:	SILTY
Formation Top Depth:	0.0
Formation End Depth:	25.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	933067838
Layer:	2
Color:	6
General Color:	BROWN
Material 1:	15

Material 1 Desc:	LIMESTONE
Material 2:	71
Material 2 Desc:	FRACTURED
Material 3:	
Material 3 Desc:	
Formation Top Depth:	25.0
Formation End Depth:	35.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933299483
Layer:	1
Plug From:	0.0
Plug To:	26.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961706699
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	11560543
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930885440
Layer:	2
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	17.0
Depth To:	37.0
Casing Diameter:	5.5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930885439
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	0.0
Depth To:	26.0
Casing Diameter:	6.25
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	11569815

Pump Set At:	20.0
Static Level:	9.0
Final Level After Pumping:	16.0
Recommended Pump Depth:	20.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	24
Pumping Duration MIN:	0
Flowing:	

Draw Down & Recovery

Pump Test Detail ID:	11674577
Test Type:	Draw Down
Test Duration:	10
Test Level:	16.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	11674573
Test Type:	Draw Down
Test Duration:	2
Test Level:	12.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	11674572
Test Type:	Draw Down
Test Duration:	1
Test Level:	11.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	11674575
Test Type:	Draw Down
Test Duration:	4
Test Level:	14.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	11674576
Test Type:	Draw Down
Test Duration:	5
Test Level:	15.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	11674574
Test Type:	Draw Down
Test Duration:	3

Test Level:	13.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	11674578
Test Type:	Draw Down
Test Duration:	60
Test Level:	16.0
Test Level UOM:	ft

Water Details

Water ID:	934077760
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	32.0
Water Found Depth UOM:	ft

Water Details

Water ID:	934077761
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	28.0
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	11681683
Diameter:	6.0
Depth From:	26.0
Depth To:	37.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Hole Diameter

Hole ID:	11681684
Diameter:	8.75
Depth From:	0.0
Depth To:	26.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Unplottable Summary

Total: 5 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 7 Con 3	Melancthon ON	
SPL	FARMER	3RD LINE FOR 3/4 MILE FIELD SPRAYER	MELANCTHON ON	
WWIS		lot 7 con 2	ON	
WWIS		lot 8	ON	
WWIS		lot 9	ON	

Unplottable Report

Site: **Database:** AAGR

Lot 7 Con 3 Melancthon ON

Type:	Pit
Region/County:	Dufferin
Township:	Melancthon
Concession:	3
Lot:	7
Size (ha):	
Landuse:	
Comments:	

Site: **Database:** SPL

FARMER
3RD LINE FOR 3/4 MILE FIELD SPRAYER MELANCTHON ON

Ref No:	182803	**Municipality No:**	43604
Year:		**Nature of Damage:**	
Incident Dt:	6/26/2000	**Discharger Report:**	
Dt MOE Arvl on Scn:		**Material Group:**	
MOE Reported Dt:	6/26/2000	**Impact to Health:**	
Dt Document Closed:		**Agency Involved:**	

Site No:	
MOE Response:	
Site County/District:	
Site Geo Ref Meth:	
Site District Office:	
Nearest Watercourse:	
Site Name:	
Site Address:	
Site Region:	
Site Municipality:	MELANCTHON
Site Lot:	
Site Conc:	
Site Geo Ref Accu:	
Site Map Datum:	
Northing:	
Easting:	
Entity Operating Name:	
Client Name:	
Client Type:	
Source Type:	
Incident Cause:	OTHER CONTAINER LEAK
Incident Preceding Spill:	
Incident Reason:	ERROR
Incident Summary:	FARMER: 2 TONNES FERTILIZ-ER TO ROADWAY. CLEANED WITH STREET SWEEPER.
Environment Impact:	NOT ANTICIPATED
Health Env Consequence:	
Nature of Impact:	
Contaminant Qty:	
Contaminant Qty 1:	
Contaminant Unit:	
Contaminant Code:	
Contaminant Name:	
Contaminant Limit 1:	
Contam Limit Freq 1:	
Contaminant UN No 1:	
Receiving Medium:	LAND
Activity Preceding Spill:	

Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

Site:
lot 7 con 2 ON

Database:
WWIS

Well ID:	1705072	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	10/10/1997
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	177642	***Contractor:***	6634
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	DUFFERIN
Elevatn Reliabilty:		***Lot:***	007
Depth to Bedrock:		***Concession:***	02
Well Depth:		***Concession Name:***	SR W
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	MELANCTHON TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	10063768	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	09/18/1997	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Location Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931117640
Layer:	3
Color:	
General Color:	
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	73
Material 2 Desc:	HARD
Material 3:	
Material 3 Desc:	
Formation Top Depth:	68.0

Formation End Depth: 99.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931117641
Layer: 4
Color:
General Color:
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 78
Material 2 Desc: MEDIUM-GRAINED
Material 3:
Material 3 Desc:
Formation Top Depth: 99.0
Formation End Depth: 144.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931117639
Layer: 2
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2: 12
Material 2 Desc: STONES
Material 3:
Material 3 Desc:
Formation Top Depth: 2.0
Formation End Depth: 68.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931117638
Layer: 1
Color:
General Color:
Material 1: 02
Material 1 Desc: TOPSOIL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961705072
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 10612338

Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930116462
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 70.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930116463
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 144.0
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991705072
Pump Set At:
Static Level: 20.0
Final Level After Pumping: 95.0
Recommended Pump Depth: 120.0
Pumping Rate: 15.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934912707
Test Type: Recovery
Test Duration: 60
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934401876
Test Type: Recovery
Test Duration: 30
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934662339
Test Type:	Recovery
Test Duration:	45
Test Level:	20.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934119947
Test Type:	Recovery
Test Duration:	15
Test Level:	20.0
Test Level UOM:	ft

Water Details

Water ID:	933504242
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	144.0
Water Found Depth UOM:	ft

Site: ***Database:***
lot 8 ON ***WWIS***

Well ID:	1702843	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	05/19/1982
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	3602
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	DUFFERIN
Elevatn Reliabilty:		***Lot:***	008
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:	MELANCTHON TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	10061545	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	05/03/1982	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Location Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	931106972
Layer:	9
Color:	1
General Color:	WHITE
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	73
Material 2 Desc:	HARD
Material 3:	
Material 3 Desc:	
Formation Top Depth:	92.0
Formation End Depth:	98.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931106968
Layer:	5
Color:	1
General Color:	WHITE
Material 1:	17
Material 1 Desc:	SHALE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	56.0
Formation End Depth:	64.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931106971
Layer:	8
Color:	6
General Color:	BROWN
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	73
Material 2 Desc:	HARD
Material 3:	
Material 3 Desc:	
Formation Top Depth:	90.0
Formation End Depth:	92.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931106969
Layer:	6
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	73
Material 2 Desc:	HARD
Material 3:	

Material 3 Desc:
Formation Top Depth: 64.0
Formation End Depth: 68.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931106964
Layer: 1
Color: 6
General Color: BROWN
Material 1: 02
Material 1 Desc: TOPSOIL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 1.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931106966
Layer: 3
Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2: 12
Material 2 Desc: STONES
Material 3: 73
Material 3 Desc: HARD
Formation Top Depth: 4.0
Formation End Depth: 28.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931106967
Layer: 4
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2: 17
Material 2 Desc: SHALE
Material 3: 74
Material 3 Desc: LAYERED
Formation Top Depth: 28.0
Formation End Depth: 56.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931106970
Layer: 7
Color: 1
General Color: WHITE
Material 1: 15
Material 1 Desc: LIMESTONE

Material 2:	73
Material 2 Desc:	HARD
Material 3:	
Material 3 Desc:	
Formation Top Depth:	68.0
Formation End Depth:	90.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931106965
Layer:	2
Color:	
General Color:	
Material 1:	28
Material 1 Desc:	SAND
Material 2:	05
Material 2 Desc:	CLAY
Material 3:	
Material 3 Desc:	
Formation Top Depth:	1.0
Formation End Depth:	4.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961702843
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	10610115
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930112662
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	64.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991702843
Pump Set At:	
Static Level:	10.0
Final Level After Pumping:	60.0
Recommended Pump Depth:	60.0
Pumping Rate:	60.0
Flowing Rate:	
Recommended Pump Rate:	25.0
Levels UOM:	ft
Rate UOM:	GPM

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

Draw Down & Recovery

Pump Test Detail ID: 934396329
Test Type: Draw Down
Test Duration: 30
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934656827
Test Type: Draw Down
Test Duration: 45
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934915241
Test Type: Draw Down
Test Duration: 60
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934113792
Test Type: Draw Down
Test Duration: 15
Test Level: 60.0
Test Level UOM: ft

Water Details

Water ID: 933501408
Layer: 4
Kind Code: 5
Kind: Not stated
Water Found Depth: 98.0
Water Found Depth UOM: ft

Water Details

Water ID: 933501405
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 72.0
Water Found Depth UOM: ft

Water Details

Water ID: 933501407
Layer: 3
Kind Code: 5
Kind: Not stated

Water Found Depth:	96.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933501406
Layer:	2
Kind Code:	5
Kind:	Not stated
Water Found Depth:	92.0
Water Found Depth UOM:	ft

Site: ***Database:*** ***WWIS***

lot 9 ON

Well ID:	1703681	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	10/14/1988
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	41415	***Contractor:***	3813
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	DUFFERIN
Elevatn Reliabilty:		***Lot:***	009
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:	MELANCTHON TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	10062380	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	09/10/1988	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Location Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931110691
Layer:	1
Color:	
General Color:	
Material 1:	11
Material 1 Desc:	GRAVEL
Material 2:	28
Material 2 Desc:	SAND

Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 67.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931110692
Layer: 2
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2: 11
Material 2 Desc: GRAVEL
Material 3: 12
Material 3 Desc: STONES
Formation Top Depth: 67.0
Formation End Depth: 119.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931110694
Layer: 4
Color:
General Color:
Material 1: 17
Material 1 Desc: SHALE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 162.0
Formation End Depth: 202.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931110693
Layer: 3
Color:
General Color:
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 119.0
Formation End Depth: 162.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961703681
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID:	10610950
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930114108
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	120.0
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930114109
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	202.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	991703681
Pump Set At:	
Static Level:	107.0
Final Level After Pumping:	143.0
Recommended Pump Depth:	180.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	0
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934116027
Test Type:	Recovery
Test Duration:	15
Test Level:	143.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934658924
Test Type:	Recovery
Test Duration:	45
Test Level:	143.0

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934398457
Test Type: Recovery
Test Duration: 30
Test Level: 143.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934917017
Test Type: Recovery
Test Duration: 60
Test Level: 143.0
Test Level UOM: ft

Water Details

Water ID: 933502406
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 202.0
Water Found Depth UOM: ft

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

This database of licensed and permitted pits and quarries is maintained by the Ontario Ministry of Natural Resources and Forestry (MNRF), as regulated under the Aggregate Resources Act, R.S.O. 1990. Aggregate site data has been divided into active and inactive sites. Active sites may be further subdivided into partial surrenders. In partial surrenders, defined areas of a site are inactive while the rest of the site remains active.

Government Publication Date: Up to Nov 2024

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-Apr 2024

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-Apr 30, 2024

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 2022

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: Oct 2023

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-Apr 30, 2024

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 -May 2024

Inventory of Coal Gasification Plants and Coal Tar Sites: Provincial COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

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

Government Publication Date: 1989-Dec 2024

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 - Dec 31, 2024

Drill Hole Database: Provincial DRL

The Ontario Drill Hole Database (ODHD) is offered by the Province of Ontario's Ministry of Mines. The dataset contains information for over 164,000 percussion, overburden, sonic and diamond-drill holes. The presence of assay results with cutoff values for gold, silver, copper, zinc, lead, nickel and platinum group elements is noted. Drill hole data are compiled from assessment files that have been submitted to the ministry in accordance with the Ontario Mining Act (OMA). Source assessment file numbers are captured for cross reference with the Ontario Assessment File Database (OAFD). 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. 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 - Aug 2024

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: Oct 2023

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-Dec 31, 2024

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 - Dec 31, 2024

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-Dec 31, 2024

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-Aug 31, 2024

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: 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, 2023

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: Oct 2023

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-Nov 2024

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: Oct 31, 2021

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: Oct 2023

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-Nov 30, 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-Apr 2024

TSSA Historic Incidents: Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

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

Government Publication Date: 31 Oct, 2023

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 31, 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 2024

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 Conservation and Parks (MECP) 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. MECP publicly releases the Environmental Compliance Report (ECR) on the Ontario Data Catalogue. In Ontario, all facilities with regulated wastewater discharges or air emissions under the Ontario Water Resources Act and the Environmental Protection Act must monitor and report any cases where approved operating limits have been exceeded.

Government Publication Date: Dec 31, 2023

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-Nov 2023

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-Dec 31, 2024

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 NPR2

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of pollutant releases (to air, water and land), disposals, and transfers for recycling. The inventory, managed by Environment and Climate Change Canada, tracks over 300 substances. Under the authority of the Canadian Environmental Protection Act (CEPA), owners or operators of facilities that meet published reporting requirements are required to report to the NPRI.

Government Publication Date: Feb 2024

National Pollutant Release Inventory - Historic: 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. This data holds historic records; current records are found in NPR2.

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-May 31, 2024

Ontario Oil and Gas Wells: Provincial OOGW

In 1998, the Ministry of Natural Resources (MNR) handed over to the Ontario Oil, Gas and Salt Resources (OGSR) 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 includes well owner/operator, location, permit issue date, and well cap date, license number, 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 provided for each well record.

Government Publication Date: 1800-Aug 2024

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 - Dec 31, 2024

Canadian Pulp and Paper: Private PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks: Federal PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: Oct 2011-Dec 31, 2024

Ontario PFAS Spills: Provincial PFAS

This specific list of spills includes those incidents where one or more of the listed contaminants are identified in the PFAS Structure List and/or PFAS Chemicals Without Explicit Structure List made available by the United States Environmental Protection Agency (US EPA), is originally sourced from the Ministry of the Environment, Conservation and Parks spills related data. 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.

Government Publication Date: 1988-Jun 2024; Aug 2024; Oct-Nov 2024

NPRI Reporters - PFAS Substances: Federal PFCH

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This listing of PFAS substance reporters includes those NPRI facilities that reported substances that are found in either: a) the Comprehensive Global Database of PFASs compiled by the Organisation for Economic Co-operation and Development (OECD), b) the US Environmental Protection Agency (US EPA) Master List of PFAS Substances, c) the US EPA list of PFAS chemicals without explicit structures, or d) the US EPA list of PFAS structures (encompassing the largest set of structures having sufficient levels of fluorination to potentially impart PFAS-type properties).

Government Publication Date: Feb 2024

Potential PFAS Handlers from NPRI: Federal PFHA

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This list of potential PFAS handlers includes those NPRI facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used, or released by the facility - these are facilities that potentially handle PFAS based on their industrial profile.

Government Publication Date: Feb 2024

Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2021

Potential PFAS Handlers from EASR: Provincial PPHA

The Ontario Environmental Activity and Sector Registry (EASR), described in Ontario Regulation 245/11, allows businesses with less complex operations - and hence not requiring an Environmental Compliance Approval - to register their activities with the Ontario Ministry of the Environment, Conservation and Parks (MECP). This list of potential PFAS handlers includes those EASR facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used.

Government Publication Date: Jun 30, 2024

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - Dec 31, 2024

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-1990, 1992-2021

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up. RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09). The Government of Ontario states that it is not responsible for the accuracy of the information in this Registry.

Government Publication Date: 1997-Sept 2001, Oct 2004-Jan 2025

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-Apr 30, 2024

Scott's Manufacturing Directory: Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

List of spills and incidents made available by 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.

Government Publication Date: 1988-Jun 2024; Aug 2024; Oct-Nov 2024

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, 2021

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 2024

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 - Dec 31, 2024

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: Dec 31 2023

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX D

Aerial Photographs

HISTORICAL AERIALS

Project Property: Chipwoods Park CSA Phase I ESA
476420
Shelburne ON L0N 1S6

Project No: 2621-7000

Requested By: C.F. Crozier & Associates Inc.

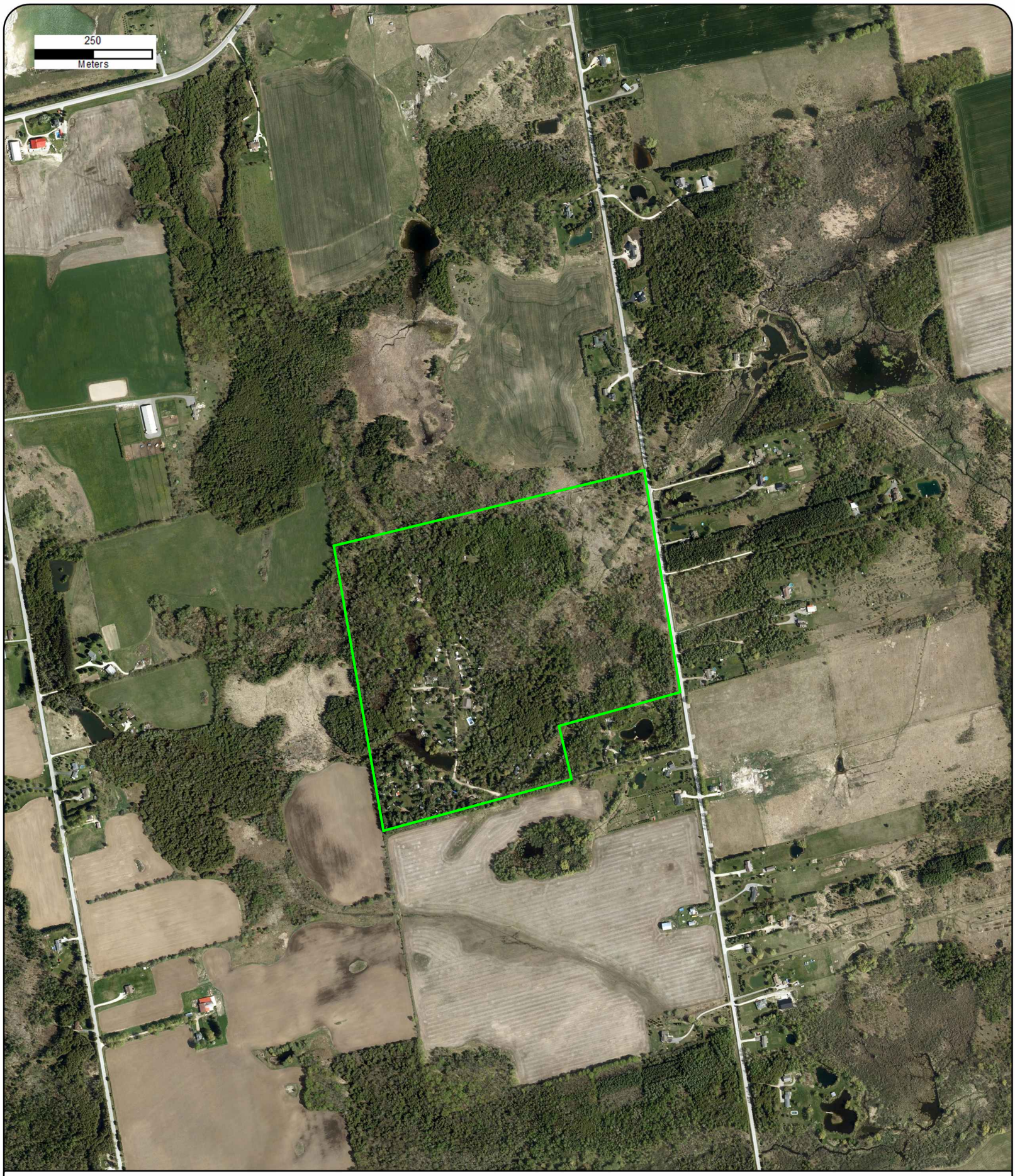
Order No: 25022500319

Date Completed: March 24,2025

Aerial Maps included in this report are produced by the sources listed above and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property. ERIS provides no warranty of accuracy or liability. The information contained in this report has been produced using aerial photos listed in above sources by ERIS Information Inc. (in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS'. The maps contained in this report do not purport to be and do not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present 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.

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

Date	Source	Scale	Comments
2023	Maxar Technologies	10,000	
1995	National Air Photo Library	10,000	
1987	National Air Photo Library	10,000	
1976	National Air Photo Library	10,000	
1969	National Air Photo Library	10,000	
1954	Hunting Survey Corporation Limited	10,000	Best Copy Available
1940	Decade Coverage Unavailable	10,000	
1939	National Air Photo Library	10,000	



Year: 2023
Source: MAXAR
Scale: 10,000
Comment:

Address: 476420, Shelburne, ON
Approx Center: -80.21833095,44.11837114

Order No: 25022500319

Year: 1995
Source: NAPL
Scale: 10,000
Comment:

Address: 476420, Shelburne, ON
Approx Center: -80.21833095,44.11837114

Order No: 25022500319

Year: 1987
Source: NAPL
Scale: 10,000
Comment:

Address: 476420, Shelburne, ON
Approx Center: -80.21833095,44.11837114

Order No: 25022500319

Year: 1976
Source: NAPL
Scale: 10,000
Comment:

Address: 476420, Shelburne, ON
Approx Center: -80.21833095,44.11837114

Order No: 25022500319

Year: 1969
Source: NAPL
Scale: 10,000
Comment:

Address: 476420, Shelburne, ON
Approx Center: -80.21833095,44.11837114

Order No: 25022500319

Year: 1954
Source: HSC
Scale: 10,000
Comment: Best Copy Available

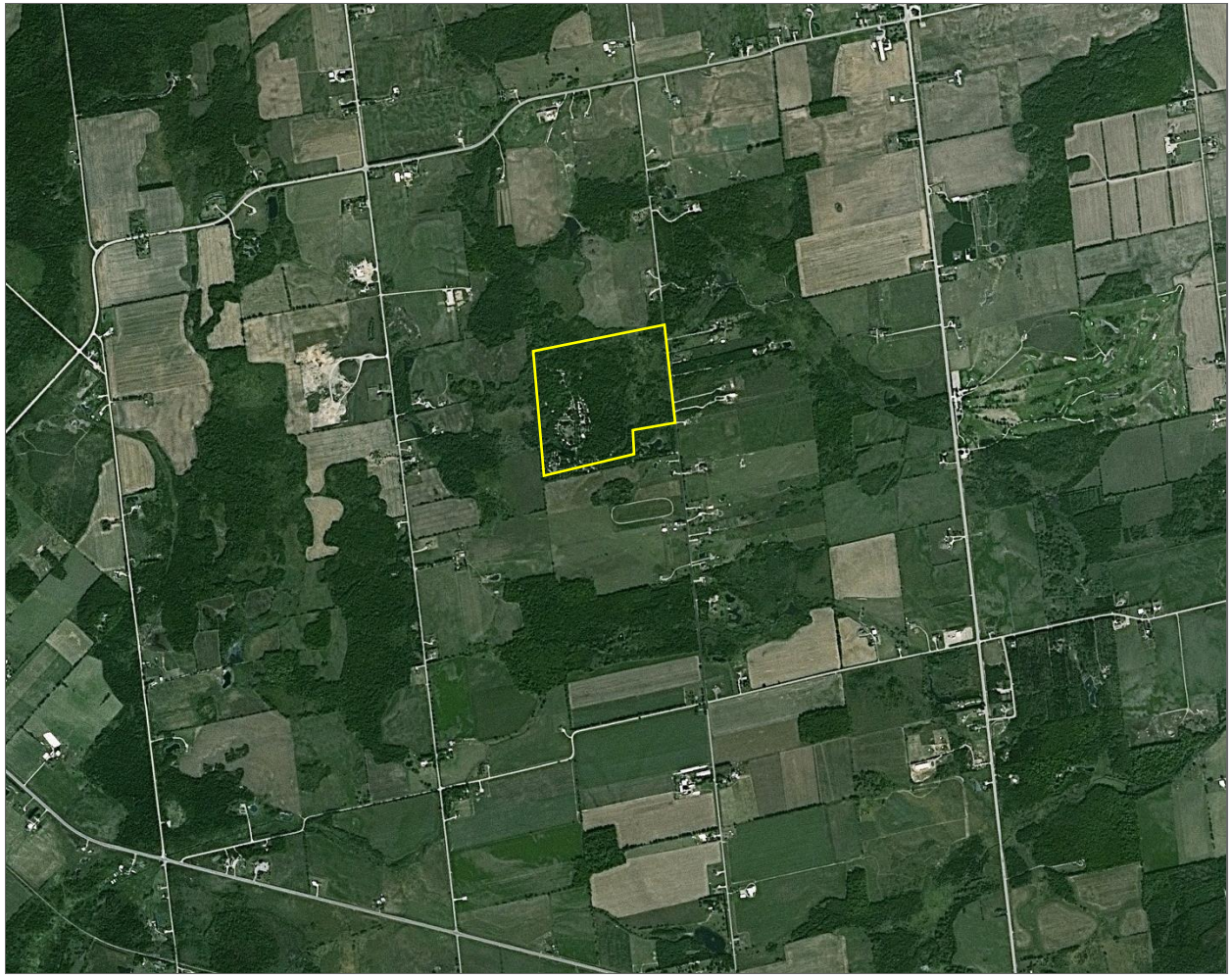
Address: 476420, Shelburne, ON
Approx Center: -80.21833095,44.11837114

Order No: 25022500319

Year: 1939
Source: NAPL
Scale: 10,000
Comment:

Address: 476420, Shelburne, ON
Approx Center: -80.21833095,44.11837114

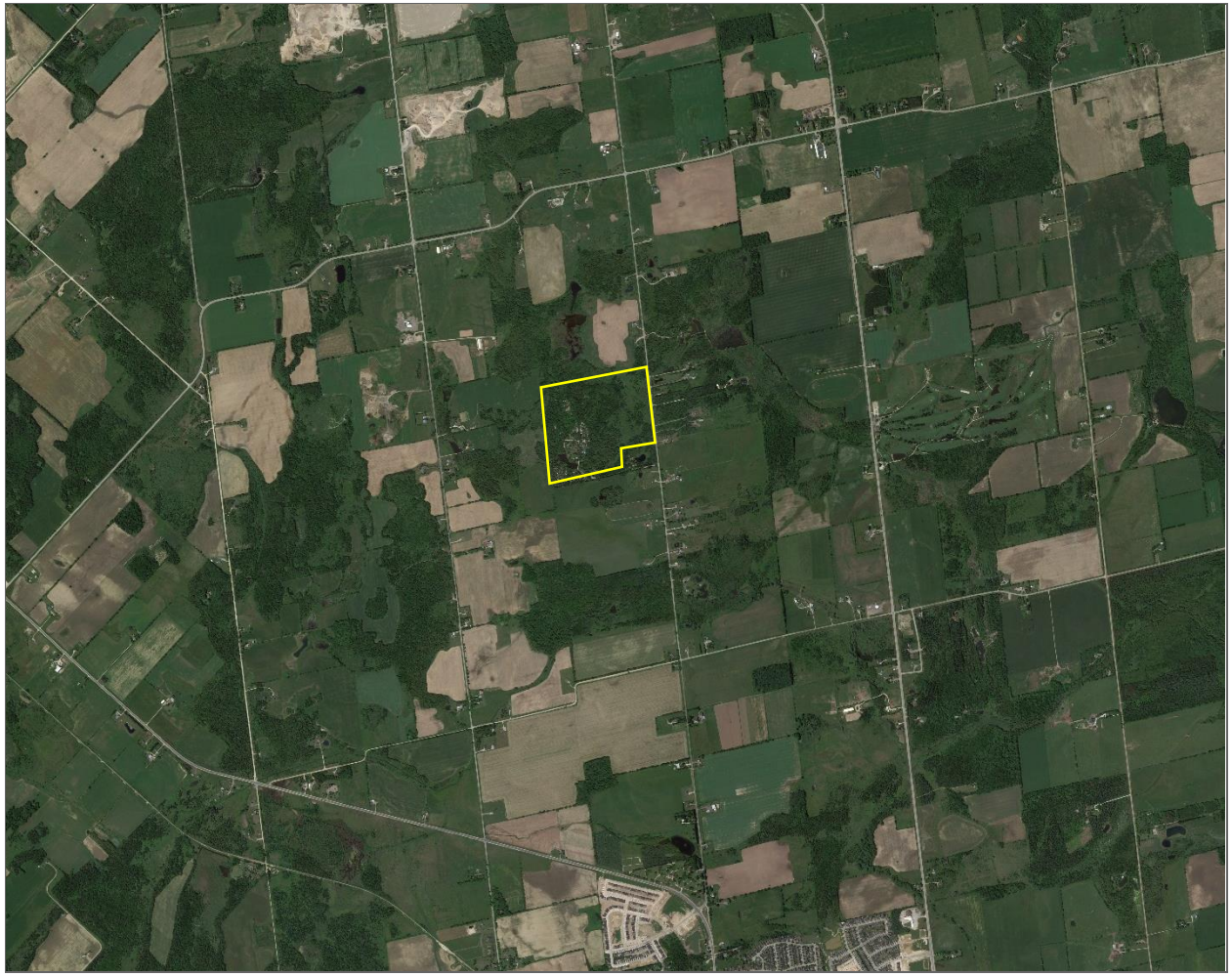
Order No: 25022500319



Aerial Photograph Date: 2009

Phase I Property Boundary:

Approximate Scale: 1:33,000



Aerial Photograph Date: 2015

Phase I Property Boundary:

Approximate Scale: 1:44,000

APPENDIX E

Topographic and ANS Maps

Ontario

Ministry of Natural Resources

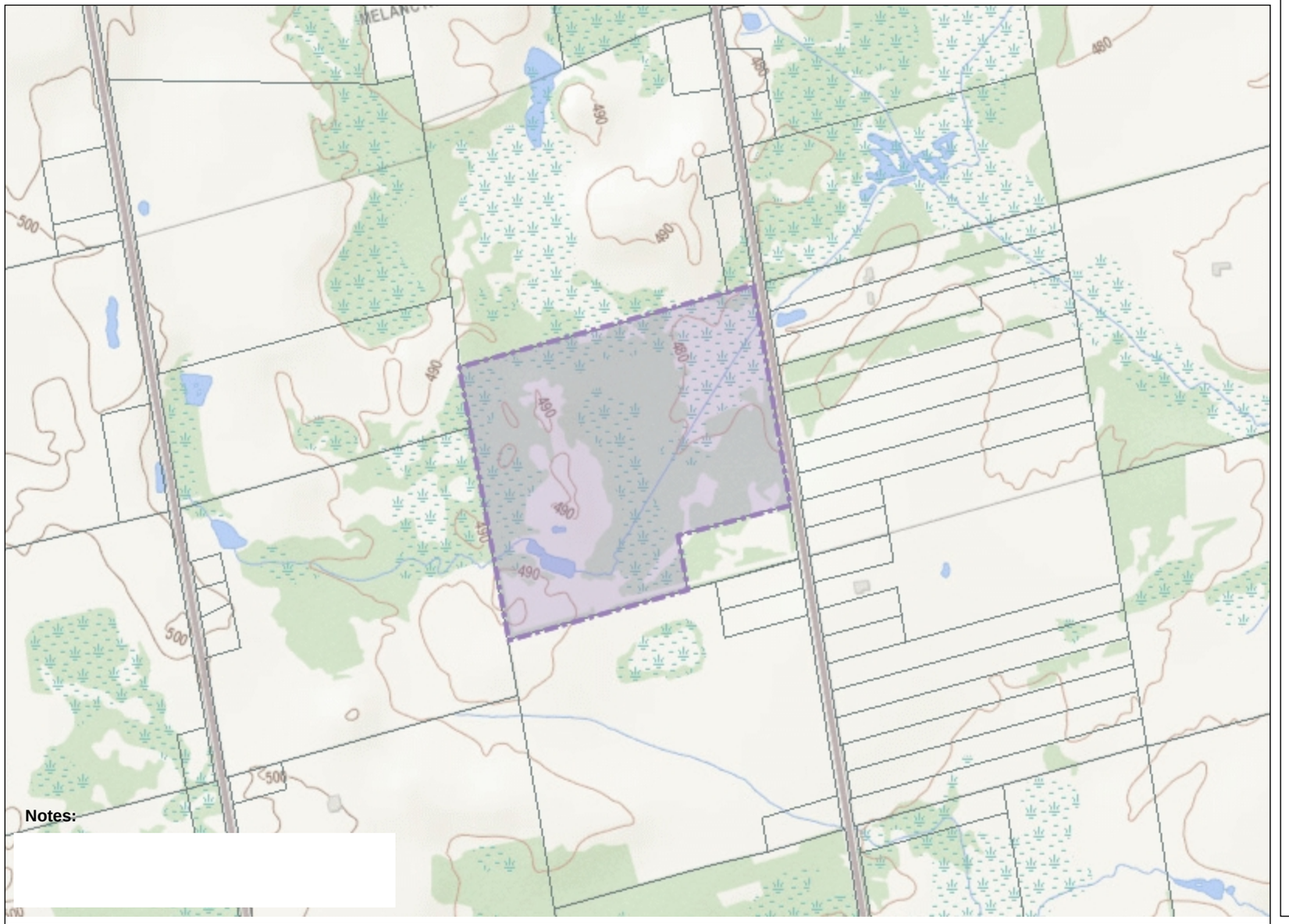
Make-a-Map: Natural Heritage Areas

Topography

Map created:2/25/2025

Legend

Assessment Parcel



Notes:

0.7 0 0.33 0.7 Kilometres

Absence of a feature in the map does not mean they do not exist in this area.

This map should not be relied on as a precise indicator of routes or locations, nor as a guide to navigation. The Ontario Ministry of Natural Resources(OMNR) shall not be liable in any way for the use of, or reliance upon, this map or any information on this map.

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Ontario

Ministry of Natural Resources

Make-a-Map: Natural Heritage Areas

Areas of Natural Significance

Map created:2/25/2025

Notes:

Legend

- Assessment Parcel
- ANSI
- Earth Science Provincially Significant/sciences de la terre d'importance provinciale
- Earth Science Regionally Significant/sciences de la terre d'importance régionale
- Life Science Provincially Significant/sciences de la vie d'importance provinciale
- Life Science Regionally Significant/sciences de la vie d'importance régionale
- Evaluated Wetland
- Provincially Significant/considérée d'importance provinciale
- Non-Provincially Significant/non considérée d'importance provinciale
- Unevaluated Wetland
- Conservation Reserve
- Provincial Park
- ORM Land Use Designation
- Countryside Area/zone de campagne
- Natural Core Area/zone centrale naturelle
- Natural Linkage Area/lien naturel
- Palgrave Estates Residential Community/communauté résidentielle de Palgrave Estates
- Rural Settlement/zone de peuplement rurale
- Settlement Area/zone de peuplement
- NEP Land Use Designation
- Escarpment Natural Area/zone naturelle de l'escarpement
- Escarpment Protection Area/zone protégée l'escarpement
- Escarpment Recreation Area/zone récréative de l'escarpement
- Escarpment Rural Area/zone rurale de l'escarpement
- Mineral Resource Extraction Area/zone d'extraction de resources minérales
- Urban Area/zone urbaine
- Natural Heritage System

0.7 0 0.33 0.7 Kilometres

Absence of a feature in the map does not mean they do not exist in this area.

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APPENDIX F

Fire Insurance Products

Enviroscan Report

Site address:	Shelburne, ON
Project #:	25022500319
P.O. #:	156176
Requested by:	Eleanor Goolab
Date Completed:	3/7/2025 3:47:34 PM

CONFIDENTIAL

Project #: 25022500319 | P.O. #: 26217000
Requested by: Eleanor Goolab | Date Completed: 03/07/2025 15:47:34

Search Area: Shelburne, ON

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Historical Environmental Services Enviroscan Terms and Conditions

Terms and Conditions

Report

The documents (hereinafter referred to as the "Documents") to be released as part of the report (hereinafter referred to as the "Report") to be delivered to the purchaser as set out above are documents in Verisk's records relating to the described property (hereinafter referred to as the "Property"). Verisk makes no representations or warranties respecting the Documents whatsoever, including, without limitation, with respect to the completeness, accuracy or usefulness of the Documents, and does not represent or warrant that these are the only plans and reports prepared in association with the Property or in Verisk's possession at the time of Report delivery to the purchaser. The Documents are current as of the date(s) indicated on them. Interpretation of the Documents, if any, is by inference based upon the information which is apparent and obvious on the face of the Documents only. Verisk does not represent, warrant or guarantee that interpretations other than those referred to do not exist from other sources. The Report will be prepared for use by the purchaser of the services as shown above hereof only.

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Entire Agreement

The parties hereto acknowledge and agree to be bound by the terms and conditions hereof. The request form constitutes the entire agreement between the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements, negotiations and discussions, whether oral or written, and there are no representations or warranties, or other agreements between the parties in connection with the subject matter hereof except as specifically set forth herein. No supplement, modification, waiver, or termination of the request shall be binding, unless confirmed in writing by the parties hereto.

Governing Document

In the event of any conflicts or inconsistencies between the provisions hereof and the Reports, the rights and obligations of the parties shall be deemed to be governed by the request form, which shall be the paramount document.

Law

This agreement shall be governed by and construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein.

No Records Found

Office

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

1.877.244.9437

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APPENDIX G

City Directories

CITY DIRECTORY

Project Property:	*Chipwoods Park CSA Phase I ESA* *476420* *Shelburne,ON L0N 1S6*
Project No:	*2621-7000*
Requested By:	*C.F. Crozier & Associates Inc.*
Order No:	*25022500319*
Date Completed:	*March 04, 2025*

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

March 04, 2025
RE: CITY DIRECTORY RESEARCH
476420
Shelburne,ON L0N 1S6

Thank you for contacting ERIS regarding our City Directory Search services. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. When searching a range of addresses, all civic addresses within that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on highly developed areas, while newly developed areas may be covered in the more recent years, older directories tend to cover only "central" parts of the city. To complete the search, we have either utilized the Toronto Reference Library, Library & Archives Canada and multiple digitized directories. While these do not claim to be a complete collection of all reverse listing city directories produced, ERIS has made every effort to provide accurate and complete information. ERIS shall not be held liable for missing, incomplete, or inaccurate information. If you believe there are additional addresses or streets that require searching, please contact us.

Search Criteria:

476380-476510 of 3 Line

436390-436530 of 4 Line

Search Notes:

Search Results Summary

Data from 2012 to 2017 does not include residential information

Date	Source	Comment
2023	DIGITAL BUSINESS DIRECTORY	
2021	DIGITAL BUSINESS DIRECTORY	
2017	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2001	POLKS	
1999	POLKS	
1996	MIGHTS	
1991	MIGHTS	
1985	MIGHTS	
1981	MIGHTS	
1975	MIGHTS	
1970	MIGHTS	
1966	MIGHTS	
1958	MIGHTS	

2023 3 LINE

SOURCE: DIGITAL BUSINESS DIRECTORY

476410 **C ROBERTS**...*RESIDENTIAL*
476410 **K DESJARDINE**...*RESIDENTIAL*
476416 **M DUBIE**...*RESIDENTIAL*
476418 **J BURCHELL**...*RESIDENTIAL*
476418 **J MACKIE**...*RESIDENTIAL*
476439 **D LATTER**...*RESIDENTIAL*
476463 **C SIKORSKI**...*RESIDENTIAL*
476467 **D EMBURY**...*RESIDENTIAL*
476467 **R CHILDS**...*RESIDENTIAL*
476473 **JUNE HOGG**...*RESIDENTIAL*
476499 **MURRAY HUXTABLE**...*RESIDENTIAL*

2023 4 LINE

SOURCE: DIGITAL BUSINESS DIRECTORY

436480 **ALLISTON SAND GRAVEL**...*SAND & GRAVEL (WHOLESALE)*
436527 **D MADIGAN**...*RESIDENTIAL*

2021 3 LINE

SOURCE: DIGITAL BUSINESS DIRECTORY

476410 **C ROBERTS**...*RESIDENTIAL*
476410 **K F DESJARDINE**...*RESIDENTIAL*
476416 **M DUBIE**...*RESIDENTIAL*
476418 **J MACKIE**...*RESIDENTIAL*
476463 **C SIKORSKI**...*RESIDENTIAL*
476467 **R CHILDS**...*RESIDENTIAL*
476473 **JUNE HOGG**...*RESIDENTIAL*
476499 **MURRAY HUXTABLE**...*RESIDENTIAL*

2021 4 LINE

SOURCE: DIGITAL BUSINESS DIRECTORY

436399 **T SPENCELY**...*RESIDENTIAL*
436480 **ALLISTON SAND GRAVEL**...*SAND & GRAVEL (WHOLESALE)*
436527 **D MADIGAN**...*RESIDENTIAL*

2017 3 LINE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2017 4 LINE

SOURCE: DIGITAL BUSINESS DIRECTORY

436480 **ALLISTON SAND GRAVEL**...*MASONRY MATERIAL MERCHANT WHOLS*

2012 3 LINE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2012 4 LINE

SOURCE: DIGITAL BUSINESS DIRECTORY

436480 **ALLISTON SAND & GRAVEL**...*MASONRY MATERIAL MERCHANT WHOLS*

2001 3 LINE

SOURCE: POLKS

STREET NOT LISTED

2001 4 LINE

SOURCE: POLKS

STREET NOT LISTED

1999 3 LINE

SOURCE: POLKS

SE 2 AVE *cont'd*

Address		Phone
#105C Lui Arthur	T2G 5J5	266-7268
130 HOY SUN ASSOCIATION OF CALGARY		263-1093
131 OASIS ICE CREAM		262-8183
205 STUDIO WEST BRONZE FOUNDRY & ART GALLERY		932-2611
410 PETROCRAFT PRODUCTS LTD		272-9590
540 RE/MAX		948-5900
810 Luxford M E		265-1409
2023 #1 ELITE HOMES LTD	T2E 6K1	569-0155
#4 SIGNATURE PRESS INC	T2E 6K1	248-1797
#1 SOLID STAIR CORPORATION	T2E 6K1	272-1640
2028 FOOTHILLS PLASTIC (1990) INC	T2E 6J9	248-5648
2098 PATINNI INVESTMENT (ALBERTA) LTD	T2E 6J9	569-8868
2320 CALGARY COLORPRESS	T2E 6J9	569-1300
KOT PUBLISHING	T2E 6J9	569-9227
2410 ALTROM CANADA CORPORATION	T2E 6J9	248-2615
AQUATECK WEST LTD	T2E 6J9	272-0052
CANADIAN CONSUMER SUPPLY CORP	T2E 6J9	569-1565
ENVIROGUARD	T2E 6J9	235-6011
2410 ALBERTA FLUORESCENT SALES & SERVICE LTD	T2E 6J9	248-7732
2410 ESBE LABORATORY SUPPLIES	T2E 6J9	248-7373
2410 BATESVILLE CANADA LTD	T2E 6J9	235-3116
2423 BEST DIRECT DISTRIBUTORS	T2E 6K1	207-6500
CLAUSON COLD & COOLER LTD	T2E 6K1	248-9808
CONESTOGA FRANCHISE SERVICES LIMITED	T2E 6K1	207-6766
EL MOLINO FOODS OF CANADA LTD	T2E 6K1	207-4307
2424 TALCRON INC	T2E 6J9	272-6610
TYPHOON SPORTSWEAR LTD	T2E 6J9	235-6544
2908 BEAUTY UNION LTD		273-8895
FAIRWAYS KNITWEAR LTD		569-8825
PLAZA 28 DEVELOPMENT LTD		273-8938
2908 BREAD SHOP INC		248-3191
3030 ADMINISTRATION	T2A 5N7	530-5300
TELUS MOBILITY	T2A 5N7	530-5300
5520 #47 Gerard Ed		235-2399
6212 La Phouc Thien	T2A 4Y4	248-5935
La Tha Thien	T2A 4Y4	248-5935

BUSINESSES 69 HOUSEHOLDS 69

SE 2 AVE *(H)*

107 FOOTHILLS HEARING CENTRE LTD	T1V 1G4	652-7718
140 Kolner Ben	T1V 1G6	652-2835

BUSINESSES 1 HOUSEHOLDS 1

SW 2 AVE *(BD)*

113 Webber Bruce	T0L 0H0	933-3798
116 Daye Albert	T0L 0H0	933-4039
121 Travers Max	T0L 0H0	933-4396
122 Pink L	T0L 0H0	933-3293
201 Stuart C E	T0L 0H0	933-4013
207 Recken W	T0L 0H0	933-3835
209 Thomson M	T0L 0H0	933-2246
214 Carlson James G	T0L 0H0	933-2157
215 Hulburd Jennifer	T0L 0H0	933-3259
218 Whitaker Dennis G	T0L 0H0	933-4989
302 Feddema John	T0L 0H0	933-4551
308 Sibun Christopher	T0L 0H0	933-3844
311 Kelly M & S	T0L 0H0	933-2582
318 Mundell T	T0L 0H0	933-3850
321 Pellarin Mario	T0L 0H0	933-7392
322 Collins Willard	T0L 0H0	933-4556
401 Atkinson D	T0L 0H0	933-3778
402 Collins Donna	T0L 0H0	933-3373
405 Klingsh Tanya	T0L 0H0	933-3304
409 Bowers Gordon	T0L 0H0	933-4595
413 Craig Gerald	T0L 0H0	933-2243

HOUSEHOLDS 21

SW 2 AVE *(C)*

#& SANTA FE GRILL		262-7262
2 #116 EXCELSIOR PALACE SEAFOOD RESTAURANT	T2P 0B9	261-5867
#309 GERST MC LEAN GROUP	T2P 0C5	266-0061
11 #206 STAMPEDE MESSENGER & EXPRESS LTD		216-8815

SW 2 AVE *cont'd*

Address		Phone
108 #1202 Yamano Yukiko		237-6703
115 Lu May	T2P 3C6	266-3991
#118 A A T V PRODUCTIONS	T2P 3C6	269-8863
#101 CARMAY BEAUTY SALON	T2P 3C6	265-1303
#112 CHINESE OPERA DEVELOPMENT SOCIETY OF CALGARY THE	T2P 3C6	237-9344
#108 EVERBLOOM SILK FLOWER & GIFT SHOP	T2P 3C6	263-3137
#102 N G TOWER CENTRE	T2P 3C6	237-5330
#105 ONE TWO THREE DRIVING SCHOOL LTD	T2P 3C6	263-3039
#113 ORIENTAL NEWS LTD	T2P 3C6	261-5646
#138 YINON CHINESE HERBS	T2P 3C6	265-6836
#140 Leung Philip	T2P 3C6	263-4752
#110 Li Yi Per	T2P 3C6	261-1672
#200 CHILDREN'S PLACE	T2P 3C6	262-4433
#302 Guan W V	T2P 3C6	233-0137
#307 Ho Yun Pi	T2P 3C6	266-6320
#305 Hong Brian	T2P 3C6	262-6163
#308 Kwan L	T2P 3C6	261-5873
#310 Schulz R	T2P 3C6	261-9927
#303 Szeto Fong	T2P 3C6	262-9039
#309 Wong Chi Yung	T2P 3C6	234-8662
#402 LE KHAM THE	T2P 3C6	234-8921
#412 Chen Shi Shu	T2P 3C6	264-6187
#406 Chung Ha Ngan	T2P 3C6	294-1560
#407 Hu Qing Heng	T2P 3C6	237-0009
#411 Kwok Chung	T2P 3C6	265-0596
#404 Li Bo	T2P 3C6	262-1910
#409 Li Weiming	T2P 3C6	205-3985
#410 Liu Yan Fong	T2P 3C6	264-2814
#403 Luc L	T2P 3C6	265-3255
#401 Tse Huan-Cao	T2P 3C6	234-8747
#509 Cuddington Kipp	T2P 3C6	294-0516
#505 Kwong L	T2P 3C6	269-7648
#508 Leong D	T2P 3C6	264-2442
#506 Lin C	T2P 3C6	266-5993
#503 Lui Hong	T2P 3C6	269-1815
#502 Quon Shu	T2P 3C6	266-2927
#512 Sam Tan	T2P 3C6	233-2075
#504 Saw Ohnhan	T2P 3C6	233-2137
#507 Xie Ming	T2P 3C6	264-2239
#610 Chan Guo Han	T2P 3C6	263-8686
#605 Kwong Moin	T2P 3C6	263-3579
#607 Liang Jue Yan	T2P 3C6	265-0142
#603 Quan Su-Jio	T2P 3C6	269-3191
#606 Seze Chau	T2P 3C6	265-2682
#602 Wong Sau Ming	T2P 3C6	237-0723
#604 Yee Bronson	T2P 3C6	269-4663
#711 Chen Zhi Rong	T2P 3C6	264-4501
#703 Cheng Wing	T2P 3C6	266-5721
#706 He Yolanda	T2P 3C6	262-2892
#712 Hsiao L	T2P 3C6	205-3558
#707 Ly Viem	T2P 3C6	266-5983
#702 Mai Qi-Fen	T2P 3C6	232-1270
#705 Pongparsan Peng	T2P 3C6	264-7503
#710 Tam Troung	T2P 3C6	237-5957
#704 Wong Oi	T2P 3C6	262-3948
#802 Huang Zhangyan	T2P 3C6	237-5702
#810 Hwong Kam Shing	T2P 3C6	265-6254
#812 Lo Yiu Chun	T2P 3C6	262-5898
#804 Lu Chuen	T2P 3C6	262-9329
#801 Lu X	T2P 3C6	262-5182
#807 Nguyen Kim Hang	T2P 3C6	508-5096
#812 Sin Chow	T2P 3C6	265-2557
#806 Thai Viem	T2P 3C6	266-8072
#809 Thi Tuyet Truong Mai	T2P 3C6	263-3399
#909 Chang Kai	T2P 3C6	262-7322
#911 Chung Chau	T2P 3C6	265-2693
#902 Jessani Reeshma	T2P 3C6	261-8650
#901 Liang Winnie	T2P 3C6	263-9021
#906 Lu Thi Thuy	T2P 3C6	263-1028
#1005 Guan Shao Wen	T2P 3C6	265-8199
#1008 Lin Guang Hui	T2P 3C6	237-6310
#1002 Loung Muck Xay	T2P 3C6	262-3609
#1007 Naing K	T2P 3C6	233-2523
#1006 Wong Kwun	T2P 3C6	290-0668
#1010 Zhang Stanley	T2P 3C6	234-9041

1996 3 LINE

SOURCE: MIGHTS

STREET NOT LISTED

1996 4 LINE

SOURCE: MIGHTS

STREET NOT LISTED

1991 3 LINE

SOURCE: MIGHTS

STREET NOT LISTED

1991 4 LINE

SOURCE: MIGHTS

STREET NOT LISTED

1985 3 LINE

SOURCE: MIGHTS

STREET NOT LISTED

1985 4 LINE

SOURCE: MIGHTS

STREET NOT LISTED

1981 3 LINE

SOURCE: MIGHTS

STREET NOT LISTED

1981 4 LINE

SOURCE: MIGHTS

STREET NOT LISTED

1975 3 LINE

SOURCE: MIGHTS

STREET NOT LISTED

1975 4 LINE

SOURCE: MIGHTS

STREET NOT LISTED

1970 3 LINE

SOURCE: MIGHTS

STREET NOT LISTED

1970 4 LINE

SOURCE: MIGHTS

STREET NOT LISTED

1966 3 LINE

SOURCE: MIGHTS

STREET NOT LISTED

1966 4 LINE

SOURCE: MIGHTS

STREET NOT LISTED

1958 3 LINE

SOURCE: MIGHTS

STREET NOT LISTED

1958 4 LINE

SOURCE: MIGHTS

STREET NOT LISTED

APPENDIX H

Regulatory Correspondence

Ministry of the Environment, Conservation and Parks

Corporate Services Branch
40 St. Clair Avenue West
Toronto ON M4V 1M2

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

Direction des services ministériels
40, avenue St. Clair Ouest
Toronto ON M4V 1M2

Ontario

March 26, 2025

Ms. Cordelia Thorne
C.F. Crozier & Associates Inc.
2800 High Point Drive Unit 100
Milton, Ontario L9T 6P4
cthorne@cfcrozier.ca

Dear Cordelia Thorne:

RE: **MECP FOI A-2025-01224, Your Reference 2621-7000 – Decision Letter**

This letter is in response to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to:

476420 3 Line, Shelburne

Timeframe: January 1, 1900 to February 25, 2025

After a thorough search through the ministry files, no records were located responsive to your request. The official responsible for making the access decision on your request is the undersigned. This file is now closed.

You may request a review of my decision within 30 days from the date of this letter by contacting the Information and Privacy Commissioner/Ontario at http://www.ipc.on.ca. Please note there may be a fee associated with submitting the appeal.

If you have any questions, please contact Daniela Jaramillo at daniela.jaramillo@ontario.ca.

Yours truly,
Daniela Jaramillo

for
Josephine DeSouza
Manager, Access and Privacy Office

Cordelia Thorne

From: Public Information Services <publicinformationservices@tssa.org>
Sent: February 25, 2025 3:09 PM
To: Cordelia Thorne
Subject: RE: TSSA Public Info. Search – 476420 3 Line, Shelburne, ON

Hello ,

NO RECORDS FOUND IN CURRENT DATABASE:

- We confirm that there are NO **fuels records** in our database 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 go to the **TSSA Client Portal** to complete an Application for Release of Public Information.

Please refer to How to Submit a Public Information Request (tssa.org) for instructions.

The associated fee must be paid via credit card (Visa or MasterCard).

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

TSSA does not make any representations or warranties with respect to the accuracy or completeness of any records released. The requestor assumes all risk in using or relying on the information provided.

If you have any questions or concerns, please do not hesitate to contact our Public Information Release team at publicinformationservices@tssa.org.

Kind regards,

Aleena Tahir | Public Information & Records Agent
Public Information
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1 416-734-3546 | E-Mail: ATahir@tssa.org
www.tssa.org

From: Cordelia Thorne <cthorne@cfcrozier.ca>
Sent: February 25, 2025 2:51 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: TSSA Public Info. Search – 476420 3 Line, Shelburne, 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 Afternoon,

Can you please check your files for any records related to the following property:
476420 3 Line, Shelburne, ON

Are their any files that require us to complete the Application for Release of Public Information form to release. These may include but are not limited to records of storage tanks related to the address.

Thanks in advance.

Cordelia Thorne
Geoscientist Intern, Environmental Consulting Services
Office: 905.876.7098
Collingwood | Milton | Toronto | Bradford | Guelph

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APPENDIX I

Water Well Records

MECP WATER WELL RECORDS

Project Number: 2621-7000

Prepared by: MH

Address: 476420 3rd Line, Melancthon, ON

Date completed: 2025-03-21

Well ID	Install Date	Easting	Northing	Distance (m)	Direction	Diameter (cm)	Depth (m)	Static Level (m)	Materials	Depth to BR (m)	Aquifer[1]	Use
1701819	25-Jul-74	562478	4885007	0	N/A	17.8	27.4	0.6	sandy clay/gravel/limestone	14.0	BR	Domestic
1704376	27-Sep-91	562250	4885141	0	N/A	15.6	24.4	12.2	sand/clay/limestone	10.7	BR	Domestic
1705324	24-Jun-99	562250	4885141	0	N/A	15.2	21.3	8.2	gravel/sand/clay /limestone	19.8	BR	Domestic
1705278	14-Dec-98	563009	4885270	60	East	15.2	25.0	18.3	clay/gravel/limestone	11.0	BR	Domestic
1706286	22-Sep-04	563115	4885436	240	East	15.8	32.6	8.53	silty clay/limestone	7.6	BR	Domestic
1706699	19-Jun-06	563135	4885428	245	East	15.9	11.3	8.53	silty clay/limestone	7.6	BR	Domestic

Data Source: Ministry of the Environment, Conservation, and Parks, retrieved March 21, 2025.

1. OB = Overburden Aquifer, BR = Bedrock Aquifer