

**Ontario Aboriginal Housing Services
Phase I Environmental Site Assessment
White River, Ontario**



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Executive Summary

True Grit Engineering (TGE) was retained by Ontario Aboriginal Housing Services (OAHS) to complete a Phase I Environmental Site Assessment (P1ESA) of a parcel of land consisting of fourteen undeveloped lots located in White River, Ontario. The P1ESA was completed in general accordance with Canadian Standards Association (CSA) Standard Z768-01 *Phase I Environmental Site Assessment* (2012).

The subject property consists of fourteen undeveloped lots bounded by Superior Street, Ontario Street and Durham Street in White River, Ontario. The subject property is owned by the Township of White River and is operated as a community parkland. The subject property is currently occupied by two playground structures and one small gazebo.

The P1ESA property is bounded by a three-storey apartment building and paved/gravel parking lot to the north; a senior housing complex and undeveloped land to the east; residential properties and a laneway to the south; and the White River Municipal Office/Library, a residential building and a fenced construction yard containing wood and metal building supplies to the west.

The subject property is zoned commercial/general. Surrounding properties are zoned multiple residential to the north and east; residential to the south; and institutional and commercial/general to the west.

The nearest surface water bodies are the White River, Little Lake, Picnic Lake, and Chain Lake, located approximately 0.3 km southwest, 0.8 km north, 1.4 km north, and 1.5 km east of the subject property, respectively. Storm water drainage at the site is likely controlled by site topography and may flow north, east and west to the municipal roadways. The direction of groundwater flow is not known, but is likely to the southwest towards the White River.

Based on the results of the P1ESA, the following issues of potential environmental concern were identified and recommendations are provided, where warranted.

Issue	Environmental Concern	Recommendation
Historic Heating Sources – P1ESA Property	There is a potential that fuel oil may have been used to heat a former rink shack on the P1ESA property. The use of fuel oil presents a potential risk of soil and/or groundwater contamination in the event that spills or leaks ever occurred. Because no records of spills were located for the P1ESA property, the risk is considered minor.	If further information is required regarding this possibility, a P2ESA would be required.

Issue	Environmental Concern	Recommendation
Historic Heating Sources – Neighbouring Properties	Properties in White River may have used coal, fuel oil, electricity, propane or wood to provide comfort heating. The use of coal or fuel oil presents a potential risk of soil and/or groundwater contamination on the properties in the event that fuel oil was spilled or coal ash was dumped on site. Because no spills of fuel oil were reported for surrounding properties and because the migration potential for coal ash is considered minor, the potential for impacts to migrate and impact the P1ESA property is considered minor.	No recommendations are warranted.
Reported Sewage Spills	Two former spills of domestic sewage were reported for the P1ESA property. A third spill was reported for a sewage lift station on Durham Street but the location was not clear. There is a potential that contaminants from the disposal of chemicals, paints, solvents or pharmaceuticals could have been present in the spilled domestic sewage; however, the sewage is expected to have primarily been composed of grey water and human waste and, therefore, the risk of soil and/or groundwater contamination is considered minor.	A P2ESA for this item is not considered necessary. If excavation is proposed in the spill area, precautions may need to be taken to protect the health and safety of workers handling soils. Consideration may need to be taken to dispose of soil from the spill area as waste, given that the most recent spill occurred in 2016.
Ash Deposition	Interviewees reported that CPR historically deposited ash from the combustion of wood and coal on the P1ESA property. Coal ash can contain elevated concentrations of metals (including heavy metals) that can leach and impact underlying soil and groundwater resources. Based on this information, there is a potential for soil and/or groundwater impacts to be present on the P1ESA property as a result of the suspected ash deposition.	If further information is required, a P2ESA would be required.
CPR Rail Yard	A CPR Rail Yard is located approximately 125 m west of the P1ESA property and is an MOECC-registered generator of a number of waste classes, including fuels, oils, metal waste, paints and PCBs. Because the CPR Rail Yard is understood to be located downgradient of the P1ESA property, there is no risk of contamination from the rail yard migrating and impacting the P1ESA property.	No recommendations are warranted.

Issue	Environmental Concern	Recommendation
Lead-Containing Paint	There is a potential that paint on the painted components of the two playground structures could contain lead. There are no environmental concerns on site with respect to the possible presence of lead paint; however, consideration would need to be given to worker health and safety if lead-painted components would be abraded or sanded (e.g. if the structures were to be dismantled). In addition, special disposal requirements could apply if lead concentrations are high enough to render the components hazardous for waste disposal purposes.	Consider testing painted surfaces for lead. Appropriate health & safety and disposal requirements could apply if paint is lead-containing.

Table of Contents

Executive Summary	i
1.0 Introduction	1
1.1 Scope of Work	1
1.2 Qualifications	1
2.0 Site Setting	3
2.1 Site Description	3
2.2 Surrounding Land Use	3
2.3 Utilities and Services	3
2.4 Topography	3
2.5 Hydrogeology	3
2.6 Geology	4
3.0 Records Review	5
3.1 Land Title Records	5
3.2 Aerial Photographs	5
3.3 Property use records	6
3.4 Property Management Records	6
3.5 Fire insurance maps	6
3.6 Ecolog ERIS Report	6
3.7 Town of White River	8
3.8 Hydro One	8
3.9 Previous Environmental Reports	8
3.10 Topography and Geology	9
4.0 Site Inspection	10
4.1 General	10
4.2 Property Use	10
4.3 Buildings and Related Infrastructure	10
4.4 Observations of Adjoining Properties	10
4.5 Hazardous Materials	11
4.6 Unidentified Substances	11
4.7 Aboveground Storage Tanks (ASTs)	11
4.8 Underground Storage Tanks (USTs)	11
4.9 Storage Containers	11
4.10 Stains and Odours	11
4.11 Potable Water Supply	11
4.12 Designated Substances	11
4.13 Heating and Cooling Systems	12

4.14	Drainage and Sumps	12
4.15	Wells.....	12
4.16	Sewage Disposal.....	12
4.17	Pits and Lagoons	12
4.18	Fill Materials.....	13
4.19	Stressed Vegetation	13
5.0	Interviews	14
5.1	Mrs. Tina Forsyth, CAO, Township of White River	14
5.2	Mr. Rod Olsson, Neighbouring Land Owner	14
5.3	Mr. Dennie Morin and Mrs. Joan Morin, Neighbouring Land Owners	14
6.0	Discussion	15
7.0	Conclusion and Recommendations	17
8.0	Closure	19

Figures

Figure 1: Site Location Plan

Figure 2: Zoning Map

Appendices

Appendix A: Land Title Information

Appendix B: Aerial Photographs

Appendix C: Ecolog ERIS Report

Appendix D: Site Photographs

1.0 Introduction

True Grit Engineering (TGE) was retained by Ontario Aboriginal Housing Services (OAHS) to complete a Phase I Environmental Site Assessment (P1ESA) for a property consisting of fourteen undeveloped lots located in White River, Ontario. The P1ESA was completed in general accordance with Canadian Standards Association (CSA) Standard Z768-01 *Phase I Environmental Site Assessment* (2012).

The purpose of the P1ESA was to assess and document issues of potential or actual environmental concern associated with the current and historical use of the property.

1.1 Scope of Work

The key components of the P1ESA were as follows:

- historical records review;
- site inspection;
- interviews; and
- data assessment, review and reporting.

1.2 Qualifications

This report was prepared by Mr. Kyle Wright, H.B.Sc., Environmental Technician of TGE. Mr. Wright was working under the direction of Mr. Mike Stachejczuk, P.Eng., a person meeting the definition of a Qualified Person with the Ontario Ministry of the Environment and Climate Change (MOECC) in accordance with the requirements of Section 5 of Ontario Regulation 153/04.

TGE is an employee-owned Canadian Corporation specializing in providing environmental services and solutions throughout northern Ontario and western Canada. Incorporated in 2005, TGE was formed to serve the private and public sectors including provincial and federal Government, First Nations, municipalities, industry and commercial clientele.

TGE is licensed by the Association of Professional Geoscientists of Ontario (APGO) and the Professional Engineers of Ontario (PEO) and offers the following services:

- Phase I, II and III Environmental Site Assessments
- Hydrogeological Investigations
- Waste Management Permitting and Approvals
- Groundwater and Surface Water Monitoring
- Contaminated Site Assessment and Remediation

- Air Emissions and Noise Modelling
- Hazardous Materials Investigation and Abatement
- Environmental Compliance Audits
- Indoor Air Quality Assessments
- Civil Engineering
- Topographical and Engineering Surveys
- Geotechnical Engineering

2.0 Site Setting

The following sections document the physiographic site conditions including on and off-site land use, topography, and hydrology conditions.

2.1 Site Description

The P1ESA property consists of fourteen undeveloped lots and is situated on the southeast corner of Superior Street and Durham Street in White River, Ontario (Figure 1). The P1ESA property encompasses roughly half of a municipal block and is bounded by Durham Street to the north, Ontario Street to the east, residential properties to the south and Superior Street to the west.

The P1ESA property is essentially vacant and undeveloped with the exception of two playground structures and one small gazebo which occupy the northern portion of the site. The property is owned by the Township of White River and is operated as community parkland. In addition to the playground structures, a domestic sewage lift station is located on the northeast corner of the P1ESA property, on the corner of Ontario and Durham Streets.

2.2 Surrounding Land Use

The surrounding properties are primarily commercial or residential and consist of a three-storey apartment building and paved/gravel parking lot to the north; a senior housing complex to the east; residential properties and a laneway to the south; and the White River Municipal Office/Library, a residential building and a construction laydown yard to the west.

2.3 Utilities and Services

Because the subject property is currently undeveloped, no utilities are understood to be present on site. However, the property is centrally located within the Township of White River and, therefore, access to municipally-supplied potable water and sewage, hydroelectric services by Hydro One, and telephone services by Bell Canada are understood to be available. Natural gas service is not available in White River and, therefore, properties will use propane, electricity, fuel oil or wood for heating.

2.4 Topography

The topography of the subject property is generally flat with an elevation of 377 m at the north end of the site and an elevation of 378 m at the south end of the site (Google Earth). A slight slope to the southwest was observed on site.

2.5 Hydrogeology

The nearest surface water bodies are the White River, Little Lake, Picnic Lake, and Chain Lake, located approximately 0.3 km southwest, 0.8 km north, 1.4 km north, and 1.5 km east of the subject property, respectively. Storm water drainage at the site is controlled by ditches located along the east side of the P1ESA property (along Ontario Street) and west side of the property (along Superior Street).

A review of available water well records in White River (with the nearest at the ESSO retail fuel service station along the TransCanada Highway) suggests that soil conditions may consist of sand and silt, with a shallow water table located approximately 3 metres below ground surface. The direction of groundwater flow is not known, but is likely to the west or southwest toward the White River.

2.6 Geology

According to Ontario Ministry of Northern Development and Mines (MNDM) Map 2555 *Quaternary Geology of Ontario, East-Central Sheet*, Scale 1:1,000,000, surficial geology consists of bedrock (igneous and metamorphic rock) exposed at surface or covered with a thin layer of drift.

MNDM map P.2988 *Quaternary Geology, White River Area, Districts of Thunder Bay and Algoma*, Scale 1:50,000, suggests soil conditions in the vicinity of the site comprise glaciolacustrine deposits of sand, silt and clay.

MNDM Map 2543 *Bedrock Geology of Ontario, East-Central Sheet*, Scale 1:1,000,000, bedrock geology in the vicinity of the site likely consists of intrusive rocks of the foliated tonalite suite (tonalite to granodiorite).

3.0 Records Review

A review of historical records for the property was conducted utilizing the following information sources:

- Land title records – Ontario Land Registry Office
- Aerial photographs – National Air Photo Library (NAPL), Google Earth and Bing Maps
- Ecolog Environmental Risk Information Service (ERIS) Report – environmental database search report (water well records, waste disposal site records, coal gasification records, polychlorinated biphenyls (PCB) storage sites, Records of Site Condition (RSC), Environmental Compliance Approvals (ECAs), Fire Insurance Maps, Environmental Activity and Sector Registry (EASR), Hazardous Waste Information Network (HWIN), spill records, National Pollutant Release Inventory (NPRI), Technical Standards and Safety Authority (TSSA) records and Transportation Safety Board (TSB) of Canada Railway Accident Records)
- MOECC – water well records
- Township of White River – business directories, review of property zoning, sewer and environmental records
- Hydro One - information on PCBs in on-site or nearby transformers
- Topographical and geology maps

3.1 Land Title Records

Land title information for the subject property was obtained by TGE through Service Ontario. A copy of the record is provided in Appendix A. The property is divided into fourteen lots (seven on Ontario Street and seven on Superior Street). Based on the records, the legal description of the property is:

- LT 92-98 BLK B PL 827 SRO; WHITE RIVER (Ontario Street)
- LT 59-65 BLK B PL 827 SRO; WHITE RIVER (Superior Street)

According to the obtained land title records, it appears that the property was included in a plan of subdivision dated January 7, 1887. On April 4, 1966, The Corporation of the Improvement District of White River took ownership of the property. On November 8, 1996, the property was transferred to The Corporation of the Township of White River. No other landowners were identified.

3.2 Aerial Photographs

A review of available aerial photographs for the property and surrounding properties was undertaken online through NAPL, Google Earth and Bing Maps.

The available aerial photographs from NAPL for the White River area were not of a large enough scale to permit observation of the subject property. As a result, NAPL aerial photographs were not purchased.

Google Earth imagery was only available for 2015 and a copy of the photograph is provided in Appendix B. The aerial photograph shows that the property appears to be primarily grass-surfaced with the exception of the northern portion of the site which appears to be sandy and is interpreted to be the location of the play structures. Neighbouring properties include the three-storey apartment building to the north; the seniors' residence to the east; residential properties to the south and west; and the municipal library to the west across Superior Street. Site features observed on the 2015 aerial photograph remain unchanged in 2017.

The date of the Bing Maps image is unknown, but the site appears to be unchanged from the 2015 Google Earth image.

3.3 Property use records.

TGE understands that no property use records exist for the P1ESA property.

3.4 Property Management Records.

TGE understands no property management records exist for the P1ESA property.

3.5 Fire insurance maps.

Fire insurance maps are not available from the White River library. TGE understands that no fire insurance maps exist for the P1ESA property.

3.6 Ecolog ERIS Report

An Ecolog ERIS environmental risk report was requested for the property and for properties within a 250 m radius of the subject property. A copy of the ERIS report is provided in Appendix C. The following summarizes the relevant findings.

Summary of Ecolog ERIS Report Findings	
Item	Finding
MOECC Water Well Records	No records for the P1ESA property or within a 250 m radius of the P1ESA property.
MOECC Waste Disposal Sites	No records of active or closed waste disposal sites were located.
MOECC Coal Gasification Sites	No coal gasification sites were historically located in White River, Ontario.
MOECC PCB Storage Sites	No records of PCB storage sites were located for the P1ESA property or within 250 m of the P1ESA property.
MOECC Record of Site Condition (RSC) Registry	No RSCs were located for the P1ESA property or within 250 m of the P1ESA property.
MOECC Environmental Compliance Approvals (ECAs)	No records of ECAs were located for the P1ESA property. One ECA for a waste management system, dated September 25, 2008, was located for 657481 Ontario Inc., located at 117 Superior Street, approximately 51 m west of the P1ESA property.

Summary of Ecolog ERIIS Report Findings	
Item	Finding
MOECC Environmental Activity Sector Registry (EASR)	<p>No EASR records were located for the P1ESA property.</p> <p>Two EASR records were located within a 250 m radius of the P1ESA property: one for a waste management system for the Corporation of the Township of White River at 102 Durham Street (125 m west of the P1ESA property) and one for a standby power system registered to the Canadian Pacific Railway (CPR) company at 12 Lisgar Street (212 m southwest of the P1ESA property).</p>
MOECC Hazardous Waste Information Network (HWIN)	<p>The CPR station, located at 213 Winnipeg Street (156 m northwest and downgradient of the P1ESA property) is a registered generator of acid wastes – heavy metals, alkaline wastes – heavy metals, alkaline wastes – other metals, paint/pigment/coating residues, aliphatic solvents, petroleum distillates, light fuels, polychlorinated biphenyls (PCB), oil skimmings and sludges, and waste oils and lubricants.</p>
Spills	<p>Two reported spills were located for the P1ESA property:</p> <ol style="list-style-type: none"> 1) Unknown quantity of raw sewage at the sewage lift station on the corner of Durham and Ontario Street (northeast corner of the P1ESA property) on January 10, 1995. 2) 200 litres of raw sewage at the sewage lift station on the corner of Durham and Ontario Street (northeast corner of the P1ESA property) on November 25, 2016. <p>One spill was reported on a property within a 250 m radius of the P1ESA property:</p> <ol style="list-style-type: none"> 1) 5,000 litres of raw sewage at the municipal pumping station located on the corner of Lisgar and Superior Streets, approximately 183 m south of the P1ESA property, on September 21, 2015. 2) Many unplotable spills of diesel fuel, fuel oil and hydraulic oil were reported for the CPR rail yard, located approximately 125 m west and downgradient of the P1ESA property.
National Pollutant Release Inventory	<p>No records for the P1ESA property or neighbouring properties.</p>
Technical Standards and Safety Authority (TSSA)	<p>Records were found that suggest fuel storage tanks were owned by Red Star Petroleum Ltd. approximately 137 m south of the subject property. The address is listed as</p>

Summary of Ecolog ERIIS Report Findings	
Item	Finding
	105 Superior Street in Komoka, Ontario. The street name and number corresponds with the listed distance; however, the town description does not match.
Transportation Safety Board of Canada (TSBA)	One railway accident occurred on April 3, 2013, approximately 10 km west of the Township of White River. The accident involved approximately 101,700 litres of crude oil and 18,000 litres of canola oil as a result of a train derailment. The spill was reportedly cleaned up and verified with soil and water sampling.

3.7 Town of White River

No business directories were available for review.

Zoning information for the subject and surrounding properties was provided by Tina Forsyth, Chief Administrative Officer (CAO) for the Township of White River. The subject property is zoned as commercial/general¹. Surrounding properties are zoned multiple residential to the north and east; residential to the south; and institutional and commercial/general to the west. The property zoning map is provided as Figure 2.

Sewer use by-law infraction records were not available for review.

TGE understands that no environmental records exist for the property.

3.8 Hydro One

An email request was sent to Hydro One on August 11, 2017 regarding the possible presence of polychlorinated biphenyls (PCBs) in transformers on the P1ESA property or within 250 m of the P1ESA property.

No pole or pad-mounted transformers are located on the P1ESA property. Pole-mounted transformers were observed northeast of the site, north of the Durham Street and Ontario Street intersection, and west of the site, west of the contractor metal laydown yard. A pad-mounted transformer was observed east of the site at the Senior's Housing Complex.

Hydro One did not have specific information regarding the PCB content of nearby transformers, but they confirmed that no documented spills of transformer fluid have occurred within 250 m of the subject property.

3.9 Previous Environmental Reports

TGE understands that no environmental reports exist for the P1ESA property.

¹ Zoning Map, Township of White River By-Law No. 85-06, zoning map date March 11, 1985.

3.10 Topography and Geology

The general topography of the P1ESA property is flat, with an elevation difference of approximately 1 m between the north and south sides of the site (Google Earth). The general area around the P1ESA property slopes southwest towards the White River.

As mentioned in Section 2.6, the quaternary geology of the subject property consists of Precambrian bedrock composed of undifferentiated igneous and metamorphic rock, exposed at surface or covered by a discontinuous, thin layer of drift.

The bedrock geology of the subject property consists of foliated tonalite suite.

4.0 Site Inspection

The following sections summarize the results of the site inspection completed on August 8, 2017.

4.1 General

A site inspection was conducted on August 8, 2017 by Mr. Kyle Wright, H.B.Sc. of TGE.

The inspection consisted of a walk-through and visual inspection of the subject property. Surrounding properties were visually inspected without trespassing to document land uses and issues of potential environmental concern. Photographs were taken as part of the inspection to document the current site conditions and copies of selected photographs are provided in Appendix D.

4.2 Property Use

The property is owned by the Township of White River and operated as community parkland.

4.3 Buildings and Related Infrastructure

The subject property is currently occupied by two playground structures and one small gazebo. The playground structures are constructed of wood, metal, and plastic materials. The gazebo is constructed of pressure-treated wood with an asphalt-shingled roof. A municipal sewage lift station is located on the northeast corner of the property. The property is primarily grass-surfaced with a few small trees/shrubs.

Two fire hydrants were observed on the northeast and northwest corners of the P1ESA property. Overhead hydroelectric lines were observed on the north side of the site along Durham Street.

4.4 Observations of Adjoining Properties

Adjacent properties were investigated by visual inspection during the site visit without trespassing on neighbouring properties.

A three-storey apartment building and asphalt-paved/gravel parking lot was located to the north, across Durham Street. Parking was located on both the east and west sides of the building. Two recreational vehicles (travel trailer and a 5th wheel) were located in the west parking lot.

A single-storey senior's housing complex was located east of the P1ESA property, across Ontario Street. A pad-mounted transformer was observed on the west side of the building.

Private residential buildings and a laneway were located south of the P1ESA property. Several recreational trailers, utility trailers, aluminum fishing boats, wooden pallets, firewood and other items were located on the property identified as 104 Ontario Street, abutting the P1ESA property. Two rusted 205-litre drums without lids, were also located on this property and are presumed empty.

The White River Municipal Office/Library, a residential building and a contractor's metal laydown yard were located west of the P1ESA property, across Superior Street. The laydown yard appeared to contain lumber, weeping tile piping, metal parts for scaffolding, construction steel and metal trailer frames.

4.5 Hazardous Materials

No hazardous materials were identified on the subject property. Minor amounts of wood debris and litter were observed on the P1ESA property.

4.6 Unidentified Substances

There were no unidentified substances observed on site during the course of the site inspection.

4.7 Aboveground Storage Tanks (ASTs)

No ASTs were observed on the P1ESA property. There is a potential that ASTs may previously have been used on site for heating of the rink shack; however, no confirmation of this could be obtained.

Propane ASTs were observed on both of the southern adjacent residential properties.

4.8 Underground Storage Tanks (USTs)

No USTs were observed on the P1ESA property or on neighbouring properties. No records of USTs were located for the P1ESA property or neighbouring properties.

4.9 Storage Containers

Two rusty 205-litre drums were identified on the southern adjacent property (104 Ontario Street) in close proximity to the property line.

4.10 Stains and Odours

No evidence of surface staining or odours was observed.

4.11 Potable Water Supply

The subject property currently has no buildings requiring potable water. However, the subject property has access to municipally-supplied and piped potable water from the Township of White River municipal water system.

4.12 Designated Substances

A description of designated substances and potentially hazardous materials is provided in Appendix F. Because no buildings are located on site, the likelihood of the presence of potentially hazardous, special attention and designated substances is considered low.

Substance	Potential	Description
Acrylonitrile	Unlikely	
Arsenic	Unlikely	
Asbestos	Unlikely	Asbestos is not suspected in the playground structure or gazebo materials.
Benzene	Unlikely	
Coke Oven Emissions	Unlikely	
Ethylene Oxide	Unlikely	
Isocyanates	Unlikely	
Lead	Possible	Lead may be present in painted surfaces on the playground structures.
Mercury	Unlikely	
Ozone-depleting substances (ODS)	Unlikely	
PCB	Unlikely	
Radon	Unlikely	
Silica	Present	Silica is a component in sand.
Urea Formaldehyde Foam Insulation (UFFI)	Unlikely	
Vinyl Chloride	Unlikely	
Mould	Unlikely	

4.13 Heating and Cooling Systems

No heating or cooling systems were observed on the P1ESA property.

4.14 Drainage and Sumps

No drains or sumps were observed on the P1ESA property. Culverts were observed at the northeastern and northwestern corners of the P1ESA property to facilitate site drainage.

4.15 Wells

No groundwater wells were observed on the P1ESA property and no water well records were located for the P1ESA property.

4.16 Sewage Disposal

The subject property does not currently generate sewage. A municipal sewage lift station is located on the northeast corner of the P1ESA property.

4.17 Pits and Lagoons

No pits or lagoons were observed on the P1ESA property.

4.18 Fill Materials

Sand was observed around the two playground structures.

4.19 Stressed Vegetation

No evidence of stressed vegetation was observed on site.

5.0 Interviews

5.1 Mrs. Tina Forsyth, CAO, Township of White River

Mrs. Tina Forsyth, CAO for the Township of White River, was interviewed in person on August 8, 2017. Mrs. Forsyth is a long-standing resident of White River and provided the following information:

- The P1ESA property was previously occupied by a baseball diamond, hockey rink, and rink shack (heated).
- There is a municipal sewage pumping system located at the northeast corner of the subject property.
- There was a former curling rink located north of the property which was demolished.
- The area is serviced by municipally-piped potable water and sewage.
- No previous environmental reports exist for the property.

5.2 Mr. Rod Olsson, Neighbouring Land Owner

Mr. Rod Olsson, former Reeve of the Township of White River and owner of the property at 114 Winnipeg Street, was interviewed in person on August 8, 2017. Mr. Olsson has lived at 114 Winnipeg Street (one block west of the P1ESA property) for many years and provided the following information:

- No buildings were ever constructed on the P1ESA property prior to it being developed for recreational and parkland use in the 1940s.
- Canadian Pacific Railway (CPR) used the P1ESA property and general area to dump railway cinders (ash from combustion of coal or wood) prior to the site's development.
- A trading post store was located on the vacant lot immediately south of the P1ESA property between approximately 1955 and 1980.
- Residential homes in White River were historically heated using wood, coal and/or fuel oil. Currently, most houses are heated using electricity or propane fuel.

5.3 Mr. Dennie Morin and Mrs. Joan Morin, Neighbouring Land Owners

Mr. Dennie Morin and Mrs. Joan Morin, owners of the residential property at 104 Ontario Street, were interviewed by telephone on August 15, 2017. Mr. and Mrs. Morin provided the following information:

- The Morin's purchased the house in 1978.
- The property is currently heated with propane but was historically heated with fuel oil.
- The two deteriorated drums were located on the property when the Morin's purchased the site. They were not used to store fuel oil. The original contents are unknown.

6.0 Discussion

The P1ESA property consists of fourteen undeveloped lots that encompass half of a municipal block, bounded by Superior Street on the west, Durham Street on the north and Ontario Street on the east. The subject property appears to have been used as recreational and/or parkland property by the Township of White River since the 1940s, historically housing a baseball diamond, hockey rink and heated rink shack. The property is currently occupied by two playground structures and one small gazebo. According to long-time residents of White River, the property was never formally developed for any purpose other than the documented recreational purposes.

The topography of the subject property is mostly flat with a slight slope southwest towards the White River. Although the direction of groundwater flow is not known, it is likely southwest towards the river.

Two spills of raw sewage were documented for the municipal sewage lift station on the northeast corner of the P1ESA property in 1995 (unknown quantity) and 2016 (200 litres). A third spill of 327 m³ was reported for the Ontario Clean Water Agency (OCWA) sewage lift station on Durham Road in 1994 but it is unclear if the location is the same lift station located on the P1ESA property or not. No details were provided on clean-up or restoration efforts for these three spills. Because the area serviced by the lift station is primarily residential or commercial, the composition of sewage flowing through the lift station would be expected to be primarily domestic sewage (e.g. grey water and human waste). However, there is always a risk that contaminants from the disposal of household hazardous wastes such as paints, paint thinners, and pharmaceuticals are disposed through the municipal sewage system from residential properties. As a result, there is a risk, albeit minor, that the spilled sewage may have contained small quantities of petroleum hydrocarbons (PHCs), volatile organic compounds (VOCs), pharmaceutical products or other compounds. However, given that the sewage was likely predominantly human waste and any other compounds present in the sewage would have been significantly diluted, the risk of environmental contamination for the P1ESA property resulting from such sewage spills is considered minor. If excavation will take place in the documented spill area, precautions should be taken to protect the health and safety of workers from encountering or handling potentially sewage-contaminated soil as well as considering disposing of soil that appears to be contaminated as solid waste at an MOECC-approved landfill site.

According to the CAO of White River, a skating rink and heated rink shack was formerly located on the property. The rink shack may have been heated with fuel oil, electricity or propane, but no confirmation on the type of heating in the building was obtained. As a result, there is a potential for PHC contamination to be present on site in the event that fuel oil was used and spills or leaks occurred. Because no records of spills of fuel oil were located for the property, the likelihood of significant contamination, if any, is considered minor.

Interviewees reported that CPR formerly dumped ash and cinders resulting from coal or wood combustion on the property. Coal ash can contain elevated concentrations of metals, including heavy metals such as mercury, arsenic and chromium. Precipitation filtering through the ash can cause the leaching of heavy metals into the underlying soil and groundwater. Based on this information, there is a potential for elevated concentrations of metals to be present in soil and groundwater on site as a result of this activity.

The Township of White River is not serviced by natural gas; as a result, buildings are and would have previously been heated with coal, wood, electricity, propane or fuel oil. While there are no concerns with respect to the use of wood, electricity or propane, the use of coal or fuel oil for heating presents potential risks of soil and/or groundwater contamination on those properties as well as a potential risk of migration of contaminants toward the P1ESA property from upgradient properties.

Because no records of fuel oil spills were located for the P1ESA property or surrounding properties, the risk of significant impact is unlikely. Minor leaks or spills of fuel oil would have the potential to impact the properties on which the tanks were located, but impacts would likely remain localized and would not migrate very far.

The CPR rail yard is located approximately 125 metres west and downgradient of the P1ESA property. The CPR property is an MOECC-registered generator of a number of different waste classes, including fuels, PCBs, paints, metals, and waste oils and lubricants. Rail yards are also potential sources of metals, fuel and polycyclic aromatic hydrocarbon (PAH) impacts as a result of rail yard activities. Given that the rail yard is located 125 metres west and downgradient of the P1ESA property, there are no concerns with respect to impacts migrating toward the P1ESA property.

There is a potential that coatings (e.g. paints) on the playground structures could contain lead. While the presence of lead paint on the structures would not be considered an environmental risk from a soil or groundwater contamination perspective, there would need to be some consideration with respect to worker health and safety if painted components would be sanded or abraded as lead-containing dust could be generated. Further, lead-containing paint can render some building materials hazardous for disposal purposes if high enough concentrations of lead are present in the paint. If the structures were to be dismantled or disposed of, consideration as to worker health and safety as well as disposal requirements would be required.

7.0 Conclusion and Recommendations

Based on the results of the P1ESA, the following issues of potential environmental concern were identified.

Issue	Environmental Concern	Recommendation
Historic Heating Sources – P1ESA Property	There is a potential that fuel oil may have been used to heat a former rink shack on the P1ESA property. The use of fuel oil presents a potential risk of soil and/or groundwater contamination in the event that spills or leaks ever occurred. Because no records of spills were located for the P1ESA property, the risk is considered minor.	If further information is required regarding this possibility, a P2ESA would be required.
Historic Heating Sources – Neighbouring Properties	Properties in White River may have used coal, fuel oil, electricity, propane or wood to provide comfort heating. The use of coal or fuel oil presents a potential risk of soil and/or groundwater contamination on the properties in the event that fuel oil was spilled or coal ash was dumped on site. Because no spills of fuel oil were reported for surrounding properties and because the migration potential for coal ash is considered minor, the potential for impacts to migrate and impact the P1ESA property is considered minor.	No recommendations are warranted.
Reported Sewage Spills	Two former spills of domestic sewage were reported for the P1ESA property. A third spill was reported for a sewage lift station on Durham Street but the location was not clear. There is a potential that contaminants from the disposal of chemicals, paints, solvents or pharmaceuticals could have been present in the spilled domestic sewage; however, the sewage is expected to have primarily been composed of grey water and human waste and, therefore, the risk of soil and/or groundwater contamination is considered minor.	A P2ESA for this item is not considered necessary. If excavation is proposed in the spill area, precautions may need to be taken to protect the health and safety of workers handling soils. Consideration may need to be taken to dispose of soil from the spill area as waste, given that the most recent spill occurred in 2016.
Ash Deposition	Interviewees reported that CPR historically deposited ash from the combustion of wood and coal on the P1ESA property. Coal ash can contain elevated concentrations of metals (including heavy metals) that can leach and impact underlying soil and groundwater resources. Based on this information, there is a potential for soil and/or groundwater impacts to be present on the P1ESA property as a result of the suspected ash deposition.	If further information is required, a P2ESA would be required.

Issue	Environmental Concern	Recommendation
CPR Rail Yard	A CPR Rail Yard is located approximately 125 m west of the P1ESA property and is an MOECC-registered generator of a number of waste classes, including fuels, oils, metal waste, paints and PCBs. Because the CPR Rail Yard is understood to be located downgradient of the P1ESA property, there is no risk of contamination from the rail yard migrating and impacting the P1ESA property.	No recommendations are warranted.
Lead-Containing Paint	There is a potential that paint on the painted components of the two playground structures could contain lead. There are no environmental concerns on site with respect to the possible presence of lead paint; however, consideration would need to be given to worker health and safety if lead-painted components would be abraded or sanded (e.g. if the structures were to be dismantled). In addition, special disposal requirements could apply if lead concentrations are high enough to render the components hazardous for waste disposal purposes.	Consider testing painted surfaces for lead. Appropriate health & safety and disposal requirements could apply if paint is lead-containing.

8.0 Closure

The information and data contained in this report, including without limitation, the results of any sampling and analyses conducted by TGE pursuant to its Agreement with the client, have been developed or obtained through the exercise of TGE's professional judgment and are set forth to the best of TGE's knowledge, information and belief. Although every effort has been made to confirm that this information is factual, complete and accurate, TGE makes no guarantees or warranties whatsoever, whether expressed or implied, with respect to such information or data.

The information and data presented in this report are based on the purpose and scope of the project and form the basis for any conclusions and recommendations presented herein. Any conclusions and recommendations presented herein do not preclude the existence of environmental concerns other than those that may have been identified.

Work performed by TGE personnel employed sound environmental assessment principles. TGE cannot guarantee the accuracy and reliability of information provided by others or third parties. Therefore, TGE does not claim responsibility for undisclosed environmental concerns or conditions that may result in costs for environmental clean-up and/or remediation. This report is intended for information purposes only.

Respectfully submitted by:

TRUE GRIT ENGINEERING



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KW/MS/PS:ls



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Project Engineer
mike@truegriteng.com

Figures

Key Plan



Image referenced from Geomatics Canada, Department of Natural Resources (2000).

Location Plan

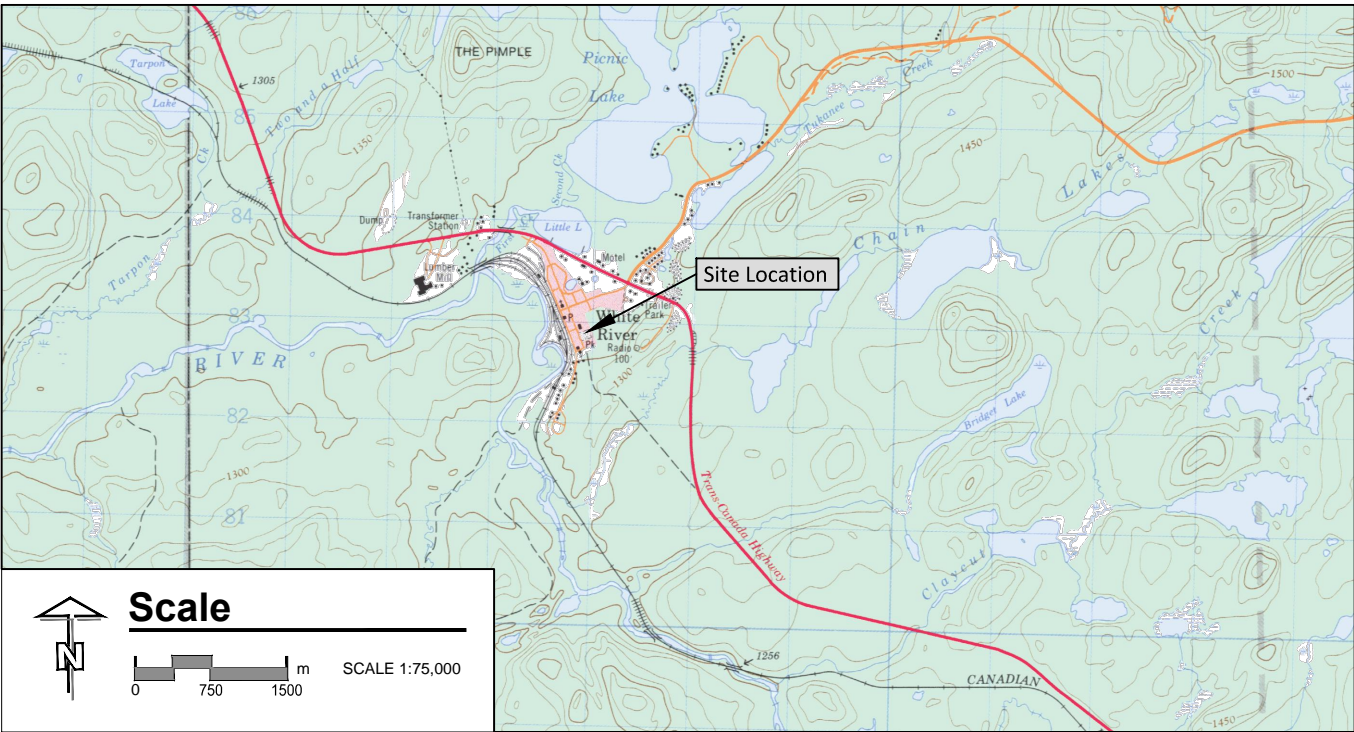


Image referenced from Department of Energy, Mines and Resources, Map 42-C-11 (1977).

Site Plan

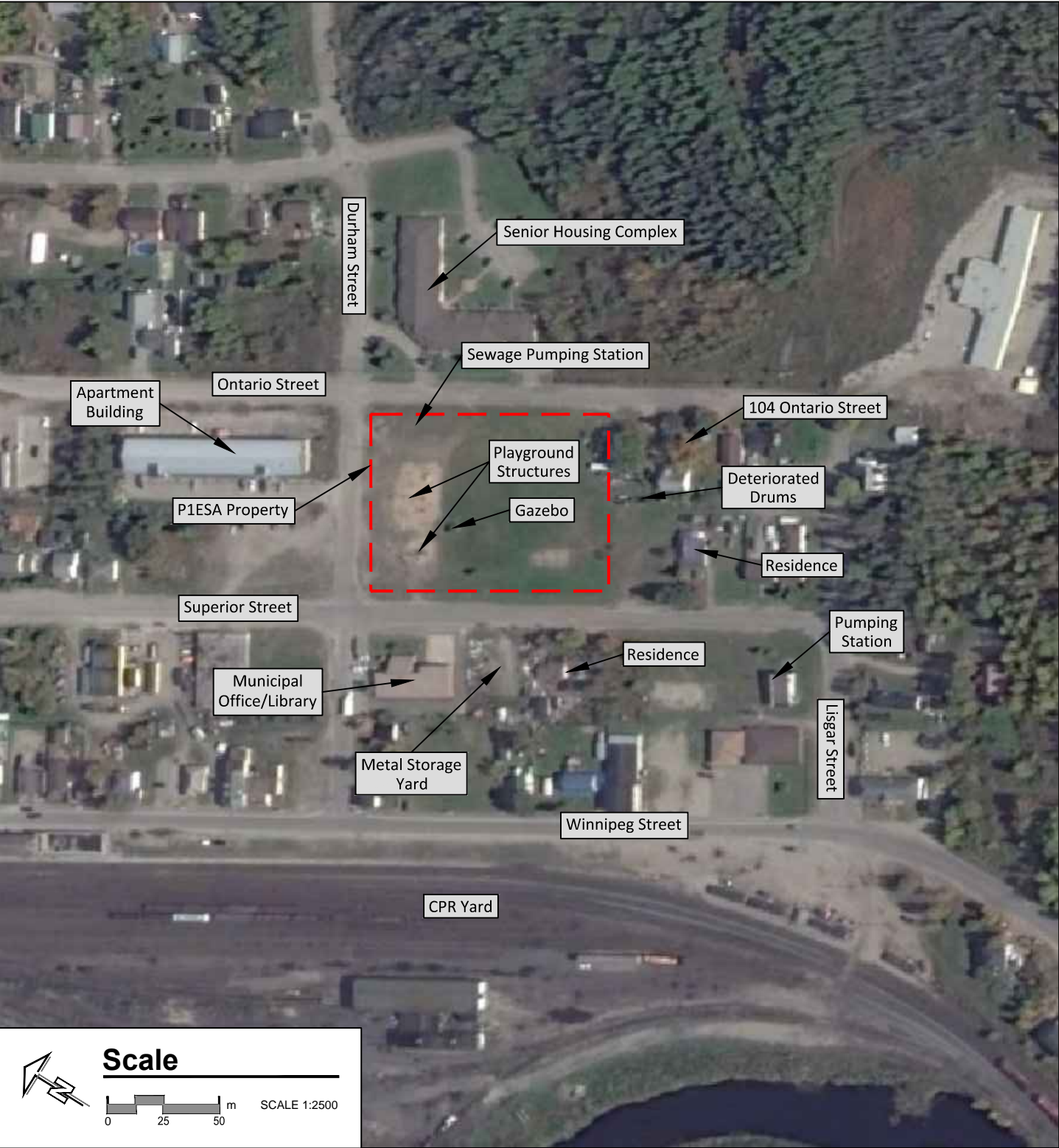
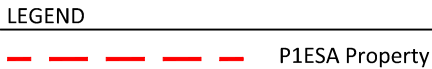


Image referenced from Google Earth. Imagery date September 28, 2015.

Ontario Aboriginal Housing Services
Phase I Environmental Site Assessment
14 Lots, Ontario and Superior Street, White River, Ontario

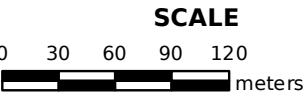
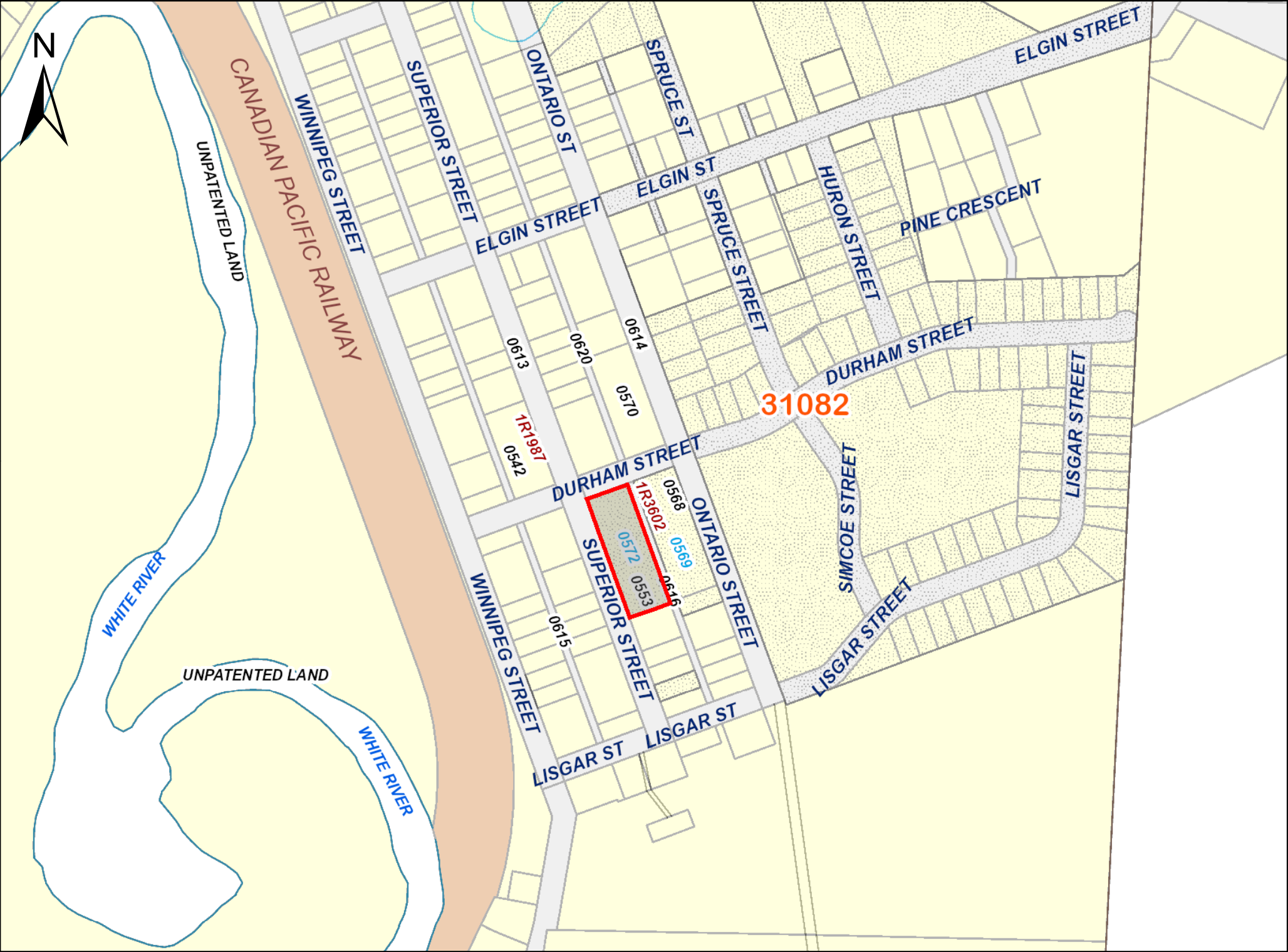
Site Location Plan



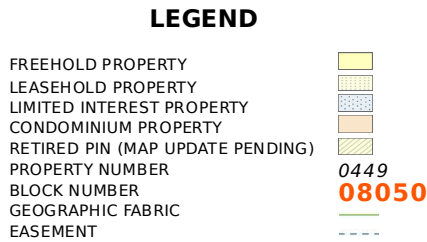
Designed By: MS
Approved By: PS
Date: August 18, 2017

FIGURE 1

Appendix A: Land Title Information



PROPERTY INDEX MAP
ALGOMA(No. 01)



THIS IS NOT A PLAN OF SURVEY

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE
PROPERTY INFORMATION AS THIS MAP MAY
NOT REFLECT RECENT REGISTRATIONS

THIS MAP WAS COMPILED FROM PLANS AND
DOCUMENTS RECORDED IN THE LAND
REGISTRATION SYSTEM AND HAS BEEN PREPARED
FOR PROPERTY INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE
RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT
REFERENCE PLANS ARE NOT ILLUSTRATED



LAND
REGISTRY
OFFICE #1

31082-0568 (LT)

PAGE 1 OF 1
PREPARED FOR JMAIN
ON 2017/08/18 AT 16:50:46

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: LT 92-98 BLK B PL 827 SRO; WHITE RIVER

PROPERTY REMARKS:

ESTATE/QUALIFIER:

FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:

FIRST CONVERSION FROM BOOK

PIN CREATION DATE:

2007/06/25

OWNERS' NAMES

THE CORPORATION OF THE TOWNSHIP OF WHITE RIVER
THE CORPORATION OF THE IMPROVEMENT DISTRICT OF WHITE RIVER

CAPACITY SHARE

ROWN
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT	INCLUDES ALL	DOCUMENT TYPES AND	DELETED INSTRUMENTS	SINCE 2007/06/22 **		
**SUBJECT,	ON FIRST REGISTRATION UNDER THE	LAND TITLES ACT, TO:				
**	SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES	*				
**	AND ESCHEATS OR FORFEITURE TO THE CROWN.					
**	THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF					
**	IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY					
**	CONVENTION.					
**	ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.					
**DATE OF	CONVERSION TO	LAND TITLES: 2007/06/25 **				
KB827	1887/01/07	PLAN SUBDIVISION				C
	REMARKS: KB827 =	PL827; AMENDED BY	SUPPLEMENTARY LETTERS PATENT T121751 & T395059			
T78086	1966/04/04	TRANSFER	\$600		THE CORPORATION OF THE IMPROVEMENT DISTRICT OF WHITE RIVER	C
T151356	1974/10/17	TRANSFER	\$6,000		THE CORPORATION OF THE IMPROVEMENT DISTRICT OF WHITE RIVER	C
	REMARKS: SKETCH	ATTACHED.				
1R3602	1978/11/08	PLAN REFERENCE				C
T381044	1996/11/08	TRANSFER	\$2		THE CORPORATION OF THE TOWNSHIP OF WHITE RIVER	C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

PROPERTY DESCRIPTION: LT 59-65 BLK B PL 827 SRO; WHITE RIVER

PROPERTY REMARKS:

ESTATE/QUALIFIER:

FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:

FIRST CONVERSION FROM BOOK

PIN CREATION DATE:

2007/06/25

OWNERS' NAMES

THE CORPORATION OF THE IMPROVEMENT DISTRICT OF
WHITE RIVER

CAPACITY

SHARE

ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT	INCLUDES ALL	DOCUMENT TYPES AND	DELETED INSTRUMENTS	SINCE 2007/06/22 **		
**SUBJECT,	ON FIRST REGISTRATION UNDER THE	LAND TITLES ACT, TO:				
**	SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES	*				
**	AND ESCHEATS OR FORFEITURE TO THE CROWN.					
**	THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF					
**	IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY					
**	CONVENTION.					
**	ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.					
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KB827	1887/01/07	PLAN SUBDIVISION				C
REMARKS: KB827	= PL827; AMENDED BY	SUPPLEMENTARY LETTERS PATENT T121751 & T395059				
T78086	1966/04/04	TRANSFER	\$600		THE CORPORATION OF THE IMPROVEMENT DISTRICT OF WHITE RIVER	C
T151356	1974/10/17	TRANSFER	\$6,000		THE CORPORATION OF THE IMPROVEMENT DISTRICT OF WHITE RIVER	C
REMARKS: SKETCH	ATTACHED.					

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

Appendix B: Aerial Photographs

2015 Google Earth Imagery



Appendix C: Ecolog ERIS Report



DATABASE REPORT

Project Property: *Phase 1 ESA - OAHS White River
Durham Street
White River ON*

Project No:

Report Type: *Standard Report*

Order No: *20170731097*

Requested by: *True Grit Engineering*

Date Completed: *August 8, 2017*

**Environmental Risk
Information Services**
A division of Glacier Media Inc.
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E: info@erisinfo.com

www.erisinfo.com

Table of Contents

Table of Contents.....	2
Executive Summary.....	3
Executive Summary: Report Summary.....	4
Executive Summary: Site Report Summary - Project Property.....	6
Executive Summary: Site Report Summary - Surrounding Properties.....	7
Executive Summary: Summary By Data Source.....	8
Map.....	10
Aerial.....	11
Topographic Map.....	12
Detail Report.....	13
Unplottable Summary.....	21
Unplottable Report.....	24
Appendix: Database Descriptions.....	37
Definitions.....	45

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Executive Summary

Property Information:

Project Property: *Phase 1 ESA - OAHS White River
Durham Street White River ON*

Project No:

Coordinates:

Latitude: *48.588203*
Longitude: *-85.279375*
UTM Northing: *5,383,108.94*
UTM Easting: *626,882.74*
UTM Zone: *UTM Zone 16U*

Elevation: *1,239 FT
377.63 M*

Order Information:

Order No: *20170731097*
Date Requested: *July 31, 2017*
Requested by: *True Grit Engineering*
Report Type: *Standard Report*

Historical/Products:

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	0	0
CA	Certificates of Approval	Y	0	1	1
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	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
EASR	Environmental Activity and Sector Registry	Y	0	2	2
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
EXP	List of TSSA Expired 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
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	9	9
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	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

Database	Name	Searched	Project Property	Within 0.25 km	Total
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
NEBW	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	TSSA Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	1	1
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	1	1
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	3	3
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	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	0	0
		Total:	0	17	17

Executive Summary: Site Report Summary - Project Property

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

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

Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
1	CA	657481 Ontario Inc.	117 Superior St White River ON	WNW/51.6	-0.63	13
2	SPL	PUC	DURHAM AND ONTARIO STREETS. SANITARY SEWER WHITE RIVER TOWNSHIP ON	NNE/83.1	-0.63	13
2	SPL		Durham and Ontario St White River ON	NNE/83.1	-0.63	13
3	EASR	THE CORP OF THE TOWNSHIP OF WHITE RIVER	102 DURHAM WHITE RIVER ON	W/125.3	-1.63	14
4	PRT	RED STAR PETROLEUMS (LONDON) LTD	105 SUPERIOR ST KOMOKA ON	S/136.9	0.37	14
4	RST	RED STAR PETROLEUMS LONDON LTD	105 SUPERIOR KOMOKA ON N0L1R0	S/136.9	0.37	14
5	GEN	CANADIAN PACIFIC RAILWAY	213 WINNIPEG STREET WHITE RIVER ON P0M 3G0	WNW/155.6	-2.28	14
5	GEN	CANADIAN PACIFIC RAILWAY	213 WINNIPEG STREET WHITE RIVER ON	WNW/155.6	-2.28	15
5	GEN	CANADIAN PACIFIC RAILWAY	213 WINNIPEG STREET WHITE RIVER ON	WNW/155.6	-2.28	16
5	GEN	CANADIAN PACIFIC RAILWAY	213 WINNIPEG STREET WHITE RIVER ON	WNW/155.6	-2.28	16
5	GEN	CANADIAN PACIFIC RAILWAY	213 WINNIPEG STREET WHITE RIVER ON	WNW/155.6	-2.28	17
5	GEN	CANADIAN PACIFIC RAILWAY	213 WINNIPEG STREET WHITE RIVER ON P0M 3G0	WNW/155.6	-2.28	17
5	GEN	CANADIAN PACIFIC RAILWAY	213 WINNIPEG STREET WHITE RIVER ON	WNW/155.6	-2.28	18
5	GEN	CANADIAN PACIFIC RAILWAY	213 WINNIPEG STREET WHITE RIVER ON P0M 3G0	WNW/155.6	-2.28	19
6	GEN	CANADIAN PACIFIC RAILWAY COMPANY	102 WINNIPEG AVENUE SOUTH WHITE RIVER ON P0M 3G0	SSW/178.1	1.04	19
7	SPL	The Corporation of the Township of White River	112 Lisgar St White River ON	S/183.2	1.07	20
8	EASR	CANADIAN PACIFIC RAILWAY COMPANY	12 Lisgar White River White River ON	SSW/211.8	2.26	20

Executive Summary: Summary By Data Source

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 1 CA site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
657481 Ontario Inc.	117 Superior St White River ON	WNW	51.56	<u>1</u>

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011-Mar 2017 has found that there are 2 EASR site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
CANADIAN PACIFIC RAILWAY COMPANY	12 Lisgar White River White River ON	SSW	211.83	<u>8</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
THE CORP OF THE TOWNSHIP OF WHITE RIVER	102 DURHAM WHITE RIVER ON	W	125.34	<u>3</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Sep 2016 has found that there are 9 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
CANADIAN PACIFIC RAILWAY COMPANY	102 WINNIPEG AVENUE SOUTH WHITE RIVER ON P0M 3G0	SSW	178.11	<u>6</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
CANADIAN PACIFIC RAILWAY	213 WINNIPEG STREET WHITE RIVER ON P0M 3G0	WNW	155.64	<u>5</u>
CANADIAN PACIFIC RAILWAY	213 WINNIPEG STREET WHITE RIVER ON	WNW	155.64	<u>5</u>
CANADIAN PACIFIC RAILWAY	213 WINNIPEG STREET WHITE RIVER ON P0M 3G0	WNW	155.64	<u>5</u>
CANADIAN PACIFIC RAILWAY	213 WINNIPEG STREET WHITE RIVER ON	WNW	155.64	<u>5</u>
CANADIAN PACIFIC RAILWAY	213 WINNIPEG STREET WHITE RIVER ON	WNW	155.64	<u>5</u>

CANADIAN PACIFIC RAILWAY	213 WINNIPEG STREET WHITE RIVER ON	WNW	155.64	5
CANADIAN PACIFIC RAILWAY	213 WINNIPEG STREET WHITE RIVER ON	WNW	155.64	5
CANADIAN PACIFIC RAILWAY	213 WINNIPEG STREET WHITE RIVER ON P0M 3G0	WNW	155.64	5

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 1 PRT site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
RED STAR PETROLEUMS (LONDON) LTD	105 SUPERIOR ST KOMOKA ON	S	136.86	4

RST - Retail Fuel Storage Tanks

A search of the RST database, dated 1999-May 2017 has found that there are 1 RST site(s) within approximately 0.25 kilometers of the project property.

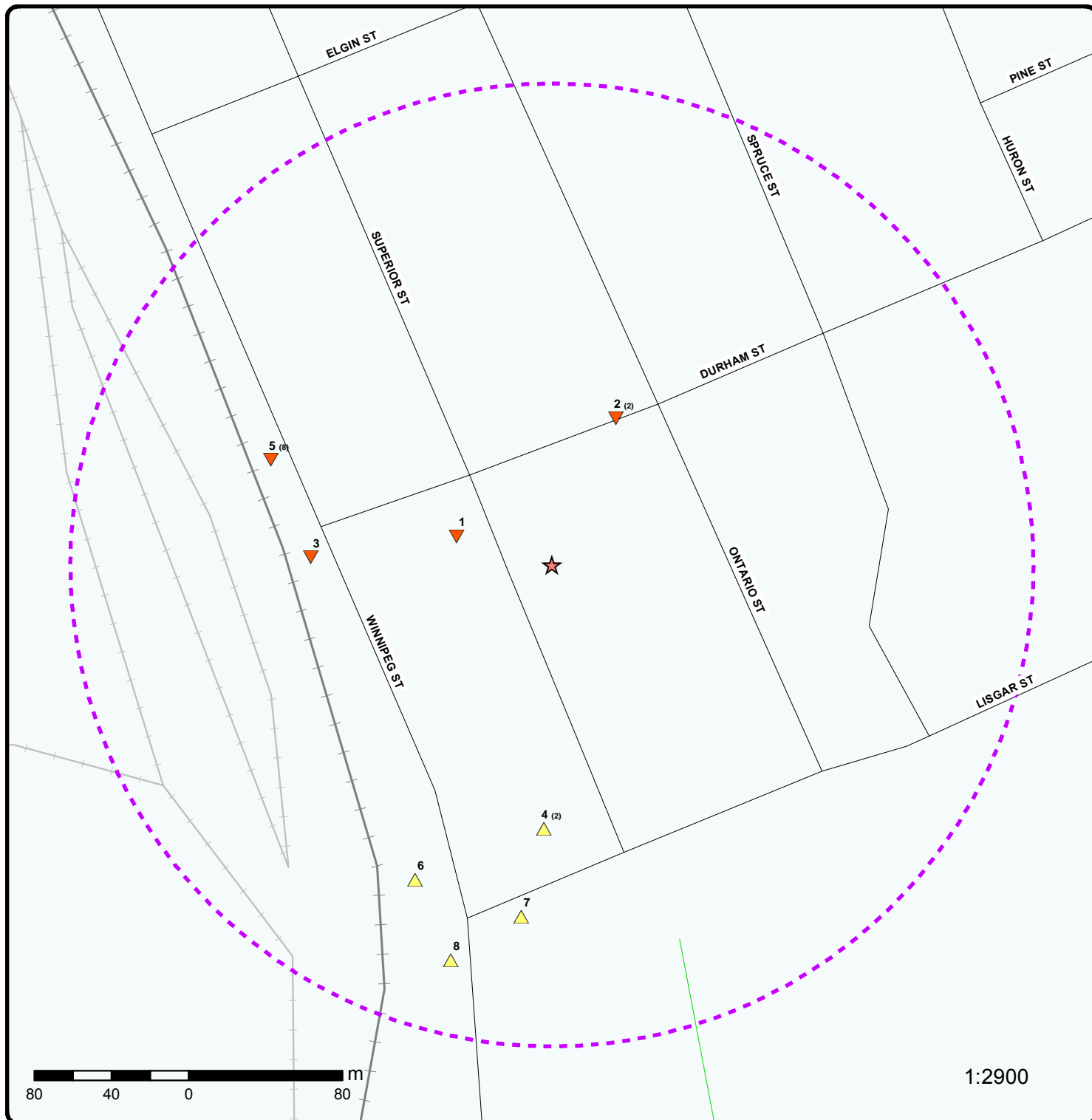
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
RED STAR PETROLEUMS LONDON LTD	105 SUPERIOR KOMOKA ON N0L1R0	S	136.86	4

SPL - Ontario Spills

A search of the SPL database, dated 1988-Feb 2017 has found that there are 3 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
The Corporation of the Township of White River	112 Lisgar St White River ON	S	183.15	7

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Durham and Ontario St White River ON	NNE	83.06	2
PUC	DURHAM AND ONTARIO STREETS. SANITARY SEWER WHITE RIVER TOWNSHIP ON	NNE	83.06	2



Map : 0.25 Kilometer Radius

Order No: 20170731097

Address: Durham Street, White River, ON



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



Aerial

Address: Durham Street, White River, ON

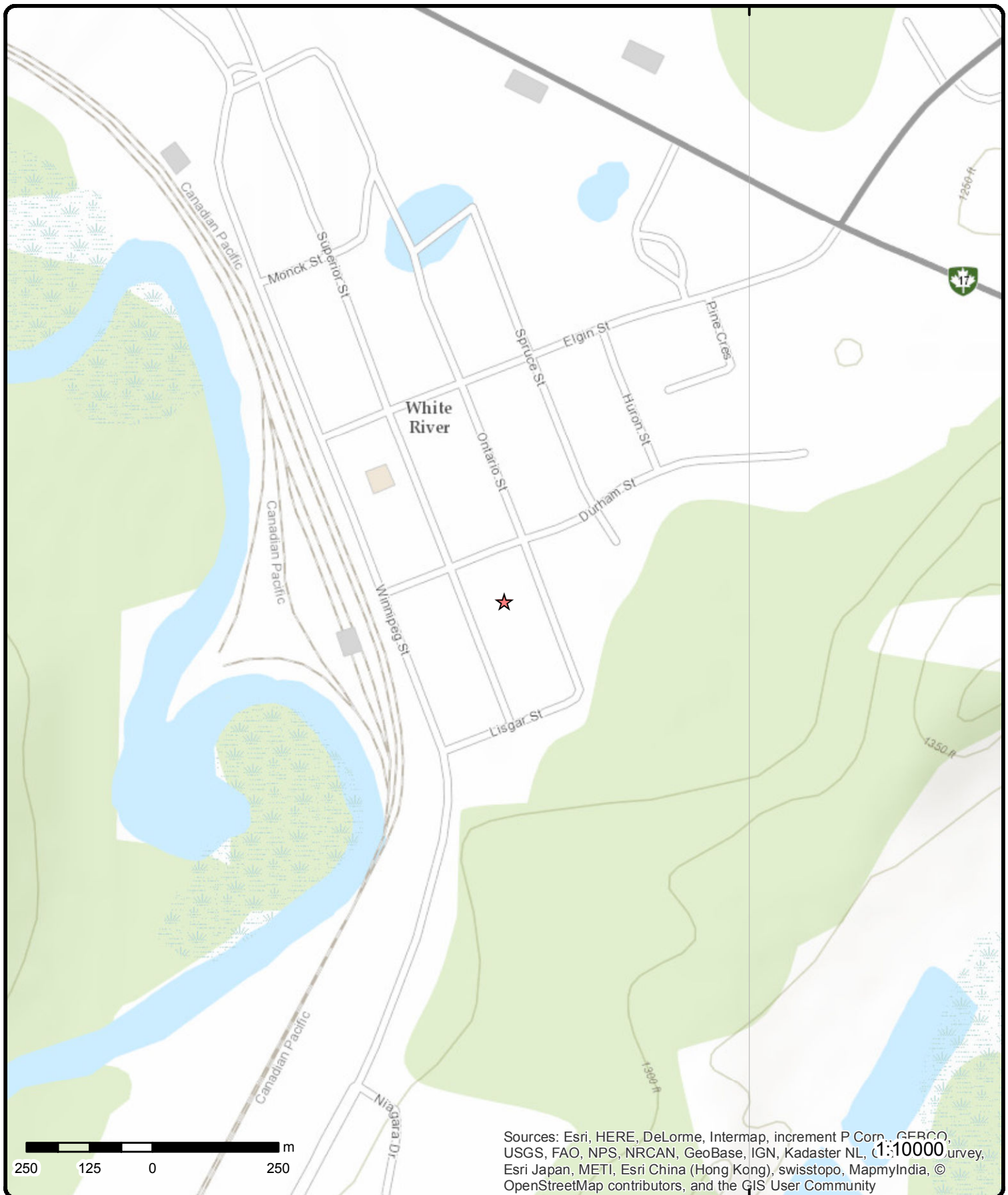
Source: ESRI World Imagery

Order No: 20170731097

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



© ERIS Information Limited Partnership



Topographic Map

Address: Durham Street, White River, ON

Source: ESRI World Topographic Map

Order No: 20170731097



© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	1 of 1	WNW/51.6	377.0	657481 Ontario Inc. 117 Superior St White River ON	CA
Certificate #: A910273 Application Year: 2008 Issue Date: 9/25/2008 Approval Type: Waste Management Systems Status: Approved Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control::					
2	1 of 2	NNE/83.1	377.0	PUC DURHAM AND ONTARIO STREETS. SANITARY SEWER WHITE RIVER TOWNSHIP ON	SPL
Ref No: 108925 Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: PIPE/HOSE LEAK Incident Dt: 1/10/1995 Incident Reason: EQUIPMENT FAILURE Incident Summary: WHITE RIVER TWP-UKN QTY RAW SEWAGE TO FIELD FROM BROKEN FORCEMAIN. MOE Reported Dt: 1/10/1995 Environmental Impact: POSSIBLE Nature of Impact: Soil contamination Receiving Medium: LAND SAC Action Class: Sector Source Type: Receiving Environment: Incident Event: Site Municipality: 80617					
2	2 of 2	NNE/83.1	377.0	Durham and Ontario St White River ON	SPL
Ref No: 4255-AG2JCG Contaminant Code: 44 Contaminant Name: SEWAGE SLUDGE Contaminant Quantity: 200 L Incident Cause: Incident Dt: 2016/11/25 Incident Reason: Material Failure - Poor Design/Substandard Material Incident Summary: Durham PS: raw sewage ~ 200 L to grd MOE Reported Dt: 2016/11/25					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Environmental Impact: Nature of Impact: Receiving Medium: SAC Action Class: Land Spills Sector Source Type: Miscellaneous Communal Receiving Environment: Land Incident Event: Leak/Break Site Municipality: White River					
3	1 of 1	W/125.3	376.0	THE CORP OF THE TOWNSHIP OF WHITE RIVER 102 DURHAM WHITE RIVER ON	EASR
Approval No: Project Type: Date: Status: Longitude: Latitude: Record Type: Pdf URL:		R-004-7678869553 Waste Management System 11/17/2016 Registered -85.27416666666666588980660890229046344757080078125 48.590000000000003410605131648480892181396484375 EASR http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2027122			
4	1 of 2	S/136.9	378.0	RED STAR PETROLEUMS (LONDON) LTD 105 SUPERIOR ST KOMOKA ON	PRT
Location ID: Type: Expiry Date: Capacity (L): Licence #:		7417 retail 1996-02-28 18000 0056800001			
4	2 of 2	S/136.9	378.0	RED STAR PETROLEUMS LONDON LTD 105 SUPERIOR KOMOKA ON N0L1R0	RST
Code: Facility: Description: List Name:		1186800 Service Stations-Gasoline, Oil & Natural Gas			
5	1 of 8	WNW/155.6	375.4	CANADIAN PACIFIC RAILWAY 213 WINNIPEG STREET WHITE RIVER ON P0M 3G0	GEN
PO Box Num: Status: Country: Generator #: Approval Yrs:: SIC Code: SIC Description:		ON3757746 02,03,04,05,06,07,08			
--Details-- Waste Code: Waste Description: Waste Code:		112 ACID WASTE - HEAVY METALS 121			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
Waste Description:		ALKALINE WASTES - HEAVY METALS			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		243			
Waste Description:		PCB'S			
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
<u>5</u>	2 of 8	WNW/155.6	375.4	CANADIAN PACIFIC RAILWAY 213 WINNIPEG STREET WHITE RIVER ON	GEN
PO Box Num:					
Status:					
Country:					
Generator #:		ON3757746			
Approval Yrs.:		2009			
SIC Code:		336510			
SIC Description:		Railroad Rolling Stock Manufacturing			
--Details--					
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		243			
Waste Description:		PCBS			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
<hr/>					
5	3 of 8	WNW/155.6	375.4	CANADIAN PACIFIC RAILWAY 213 WINNIPEG STREET WHITE RIVER ON	GEN
<hr/>					
PO Box Num:					
Status:					
Country:					
Generator #:		ON3757746			
Approval Yrs::		2010			
SIC Code:		482113			
SIC Description:		Mainline Freight Rail Transportation			
<hr/>					
--Details--					
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		243			
Waste Description:		PCBS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
<hr/>					
5	4 of 8	WNW/155.6	375.4	CANADIAN PACIFIC RAILWAY 213 WINNIPEG STREET WHITE RIVER ON	GEN
<hr/>					
PO Box Num:					
Status:					
Country:					
Generator #:		ON3757746			
Approval Yrs::		2011			
SIC Code:		482113			
SIC Description:		Mainline Freight Rail Transportation			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--Details--					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		243			
Waste Description:		PCBS			
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
5	5 of 8	WNW/155.6	375.4	CANADIAN PACIFIC RAILWAY 213 WINNIPEG STREET WHITE RIVER ON	GEN
PO Box Num:					
Status:					
Country:					
Generator #:					
Approval Yrs.:					
SIC Code:					
SIC Description:					
--Details--					
Waste Code:		243			
Waste Description:		PCB			
Waste Code:		251			
Waste Description:		Waste oils/sludges (petroleum based)			
5	6 of 8	WNW/155.6	375.4	CANADIAN PACIFIC RAILWAY 213 WINNIPEG STREET WHITE RIVER ON P0M 3G0	GEN
PO Box Num:					
Status:					
Country:					
Generator #:					
Approval Yrs.:					
SIC Code:					
SIC Description:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--Details--					
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		243			
Waste Description:		PCBS			
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
5	7 of 8	WNW/155.6	375.4	CANADIAN PACIFIC RAILWAY 213 WINNIPEG STREET WHITE RIVER ON	GEN
PO Box Num:					
Status:					
Country:					
Generator #:		ON3757746			
Approval Yrs.:		2013			
SIC Code:		482113			
SIC Description:		MAINLINE FREIGHT RAIL TRANSPORTATION			
--Details--					
Waste Code:		243			
Waste Description:		PCBS			
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
<hr/>					
<u>5</u>	8 of 8	WNW/155.6	375.4	CANADIAN PACIFIC RAILWAY 213 WINNIPEG STREET WHITE RIVER ON P0M 3G0	GEN
<hr/>					
PO Box Num:					
Status:		Registered			
Country:		Canada			
Generator #:		ON3757746			
Approval Yrs::		As of Sep 2016			
SIC Code:					
SIC Description:					
--Details--					
Waste Code:		243 D			
Waste Description:		PCB			
Waste Code:		251 L			
Waste Description:		Waste oils/sludges (petroleum based)			
<hr/>					
<u>6</u>	1 of 1	SSW/178.1	378.7	CANADIAN PACIFIC RAILWAY COMPANY 102 WINNIPEG AVENUE SOUTH WHITE RIVER ON P0M 3G0	GEN
<hr/>					
PO Box Num:					
Status:					
Country:					
Generator #:		ON0048129			
Approval Yrs::		97,98,99,00,01			
SIC Code:		4531			
SIC Description:		RAILWAY TRANS. IND.			
--Details--					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		222			
Waste Description:		HEAVY FUELS			
Waste Code:		243			
Waste Description:		PCB'S			
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
Waste Code:		252			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Description:		WASTE OILS & LUBRICANTS			
<u>7</u>	1 of 1	S/183.2	378.7	The Corporation of the Township of White River 112 Lisgar St White River ON	SPL
Ref No:		0452-A2KLKD			
Contaminant Code:		44			
Contaminant Name:		SEWAGE SLUDGE			
Contaminant Quantity:		5 m ³			
Incident Cause:					
Incident Dt:		9/21/2015			
Incident Reason:		Material Failure - Poor Design/Substandard Material			
Incident Summary:		White River: sewage leak from pump station			
MOE Reported Dt:		9/21/2015			
Environmental Impact:					
Nature of Impact:					
Receiving Medium:					
SAC Action Class:		Land Spills			
Sector Source Type:		Municipal Sewage			
Receiving Environment:					
Incident Event:					
Site Municipality:		White River			
<u>8</u>	1 of 1	SSW/211.8	379.9	CANADIAN PACIFIC RAILWAY COMPANY 12 Lisgar White River White River ON	EASR
Approval No:		R-002-9580693904			
Project Type:		Standby Power System			
Date:		2016-04-04			
Status:		Registered			
Longitude:					
Latitude:					
Record Type:					
Pdf URL:		http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2020950			

Unplottable Summary

Total: **45** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	WHITE RIVER TWP. CPR EASEMENT CON. NO. 5	LISGAR ST. PROJ. 7-0244/3-0172	WHITE RIVER TWP. ON	
CA	WHITE RIVER TWP.	DURHAM ST. PH. I-88 MUN. SUBD.	WHITE RIVER TWP. ON	
CA	WHITE RIVER TWP.	DURHAM ST. PH. 1-88 MUN. SUBD.	WHITE RIVER TWP. ON	
CA	WHITE RIVER TWP. ONTARIO CONT. NO. 5	ONTARIO ST. 7-0244/3-0172	WHITE RIVER TWP. ON	
CA	WHITE RIVER TWP.	SUPERIOR STREET	WHITE RIVER TWP. ON	
CFOT	HURON-SUPERIOR CATHOLIC DISTRICT SCHOOL BOARD	SPRUCE ST	WHITE RIVER ON	P0M 3G0
EXP	ESSO IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION**	SUPERIOR ST	WHITE RIVER ON	M3J 2E4
EXP	ESSO IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION**	SUPERIOR ST	WHITE RIVER ON	M3J 2E4
EXP	ESSO IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION**	SUPERIOR ST	WHITE RIVER ON	M3J 2E4
EXP	ESSO IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION**	SUPERIOR ST	WHITE RIVER ON	M3J 2E4
EXP	ESSO IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION**	SUPERIOR ST	WHITE RIVER ON	M3J 2E4
EXP	ESSO IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION**	SUPERIOR ST	WHITE RIVER ON	M3J 2E4
EXP	ESSO IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION**	SUPERIOR ST	WHITE RIVER ON	M3J 2E4
EXP	ESSO IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION**	SUPERIOR ST	WHITE RIVER ON	M3J 2E4
EXP	ESSO IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION**	SUPERIOR ST	WHITE RIVER ON	
EXP	ESSO IMPERIAL OIL PRODUCTS & CHEMICALS	SUPERIOR ST	WHITE RIVER ON	

	DIVISION**			
EXP	ESSO IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION**	SUPERIOR ST	WHITE RIVER ON	M3J 2E4
EXP	ESSO IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION**	SUPERIOR ST	WHITE RIVER ON	
EXP	ESSO IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION**	SUPERIOR ST	WHITE RIVER ON	M3J 2E4
EXP	ESSO IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION**	SUPERIOR ST	WHITE RIVER ON	
NATE	CPRAIL		MISSANBIE ON	
NATE	CPR		WHITERIVER ON	
NATE	CPRAIL		WHITERIVER ON	
NEES	CPRAIL		WHITERIVER ON	
NEES	CPR		WHITERIVER ON	
NPCB	CANADIAN PACIFIC RAILWAY		WHITE RIVER ON	P0M 3G0
OPCB	C.P. RAIL	C.P. RAIL SWITCHING YARD WINNIPEG ST.	WHITE RIVER ON	P0M 3G0
PRT	THE LITTLE BEAVER VARIETY LTD	101 SUPERIOR AV	KOMOKA ON	
PRT	ESSO PETROLEUM CANADA ATTN DARLENE COMMERCIAL LUB	SUPERIOR ST	WHITE RIVER ON	
REC	C.P. RAIL-WHITE RIVER YARD	C.P. RAIL SWITCHING YARD, WHITE RIVER	WHITE RIVER ON	
SPL	Canadian Pacific Railway Company		White River ON	
SPL		Lisgar St at CP Bunk House	White River ON	
SPL	PUC	SOUTHEAST END OF ONTARIO STREET SANITARY SEWER	WHITE RIVER TOWNSHIP ON	
SPL	UNKNOWN	TOWN OF WHITE RIVER LISGAR ST	WHITE RIVER TOWNSHIP ON	
SPL	The Corporation of the Township of White River	near CP Rail bunk house	White River ON	
SPL	VIA RAIL CANADA INC.	TOWN OF WHITE RIVER C.P. RAIL YARD	WHITE RIVER TOWNSHIP ON	

SPL	Canadian Pacific Railway Company	Mile marker 129.9 on the White River Subdivision WHITE RIVER LOCOMOTIVE SHOP TRACK<UNOFFICIAL>	White River ON
SPL	Canadian Pacific Railway Company	Mile 0, Heronbay Subdivision	White River ON
SPL	CANADIAN PACIFIC RAILWAYS	CPR WHITE RIVER SUBDIV'N, MILE 69, NEAR LOCHALSH (@ 70 MILES WEST OF CHAPLEAU) TRAIN	ALGOMA DISTRICT ON
SPL	CANADIAN PACIFIC RAILWAYS	CP YARD TRAIN	WHITE RIVER TOWNSHIP ON
SPL	Canadian Pacific Railway Company	CP Jackfish Siding	White River; Terrace Bay ON
SPL	CANADIAN PACIFIC RAILWAYS	CP 114.9 MILES. MOTOR VEHICLE (OPERATING FLUID)	WHITE RIVER TOWNSHIP ON
SPL	ESSO PETROLEUM CANADA	C.P.R. PROPERTY TANK TRUCK (CARGO)	WHITE RIVER TOWNSHIP ON
SPL	CANADIAN PACIFIC RAILWAYS	TRAIN	WHITE RIVER TOWNSHIP ON
SPL	ONTARIO CLEAN WATER AGENCY	DURHAM ST. P.S. SANITARY SEWER/PUMPING STATION	WHITE RIVER TOWNSHIP ON
SPL	Canadian Pacific Railway Company	White River Subdivision, Mileage 129.9	White River ON

Unplottable Report

Site: WHITE RIVER TWP. CPR EASEMENT CON. NO. 5
LISGAR ST. PROJ. 7-0244/3-0172 WHITE RIVER TWP. ON

Database:
CA

Certificate #: 3-0911-88-
Application Year: 88
Issue Date: 9/15/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: WHITE RIVER TWP.
DURHAM ST. PH. I-88 MUN. SUBD. WHITE RIVER TWP. ON

Database:
CA

Certificate #: 3-2305-88-
Application Year: 88
Issue Date: 3/29/1989
Approval Type: Municipal sewage
Status: Approved in 1989
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: WHITE RIVER TWP.
DURHAM ST. PH. 1-88 MUN. SUBD. WHITE RIVER TWP. ON

Database:
CA

Certificate #: 7-1965-88-
Application Year: 88
Issue Date: 3/29/1989
Approval Type: Municipal water
Status: Approved in 1989
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: WHITE RIVER TWP. ONTARIO CONT. NO. 5
ONTARIO ST. 7-0244/3-0172 WHITE RIVER TWP. ON

Database:
CA

Certificate #: 7-0789-88-
Application Year: 88

Issue Date: 10/7/1988
Approval Type: Municipal water
Status: Revised
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: WHITE RIVER TWP.
SUPERIOR STREET WHITE RIVER TWP. ON

Database:
CA

Certificate #: 3-0937-86-
Application Year: 86
Issue Date: 6/23/1987
Approval Type: Municipal sewage
Status: Underwent 1st revision in 1987
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: HURON-SUPERIOR CATHOLIC DISTRICT SCHOOL BOARD
SPRUCE ST WHITE RIVER ON P0M 3G0

Database:
CFOT

Licence No:		Letter Sent:	
Registration No:		Corrosion Protection:	
Posse File No:		Province:	ON
Posse Reg No:		Nbr:	1127
Tank Type:	Double Wall UST	Contact Name:	
Instance Number:	46004847	Contact Address:	
Facility Type:	FS Fuel Oil Tank	Contact Address2:	
Instance Type:	FS Fuel Oil Tank	Contact Suite:	
Status Name:	Active	Contact City:	
Fuel Type:	Fuel Oil	Contact Prov:	
Distributor:		Contact Postal:	
Tank Material:	Steel	Tank Address:	SPRUCE ST
Tank Age (as of 05/1992):		Comments:	
Tank Size:	4500		

Site: ESSO IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION**
SUPERIOR ST WHITE RIVER ON M3J 2E4

Database:
EXP

Instance No: 11049437
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description: FS Bulk Plant (Small)
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type: FS Liquid Fuel Tank
Expired Date: 11/27/1992

Site: ESSO IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION**
SUPERIOR ST WHITE RIVER ON M3J 2E4

Database:
EXP

Instance No: 11049445
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description: FS Bulk Plant (Small)
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type: FS Liquid Fuel Tank
Expired Date: 11/27/1992

Site: **ESSO IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION****
SUPERIOR ST WHITE RIVER ON M3J 2E4

Database:
EXP

Instance No: 11049454
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description: FS Bulk Plant (Small)
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type: FS Liquid Fuel Tank
Expired Date: 11/27/1992

Site: **ESSO IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION****
SUPERIOR ST WHITE RIVER ON M3J 2E4

Database:
EXP

Instance No: 11049467
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description: FS Bulk Plant (Small)
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type: FS Liquid Fuel Tank
Expired Date: 11/27/1992

Site: **ESSO IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION****
SUPERIOR ST WHITE RIVER ON M3J 2E4

Database:
EXP

Instance No: 11049473
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description: FS Bulk Plant (Small)
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type: FS Liquid Fuel Tank
Expired Date: 11/27/1992

Site: **ESSO IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION****
SUPERIOR ST WHITE RIVER ON M3J 2E4

Database:
EXP

Instance No: 11049482
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description: FS Bulk Plant (Small)
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type: FS Liquid Fuel Tank
Expired Date: 11/27/1992

Site: ESSO IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION**
SUPERIOR ST WHITE RIVER ON M3J 2E4

Database:
[EXP](#)

Instance No: 11049473
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description:
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date: 11/27/1992

Site: ESSO IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION**
SUPERIOR ST WHITE RIVER ON

Database:
[EXP](#)

Instance No: 11049467
Instance ID: 66479
Instance Type: FS Liquid Fuel Tank
Description: FS Liquid Fuel Tank
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

Site: ESSO IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION**
SUPERIOR ST WHITE RIVER ON

Database:
[EXP](#)

Instance No: 11049482
Instance ID: 65268
Instance Type: FS Liquid Fuel Tank
Description: FS Liquid Fuel Tank
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

Site: ESSO IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION**
SUPERIOR ST WHITE RIVER ON M3J 2E4

Database:
[EXP](#)

Instance No: 11049454
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description:
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date: 11/27/1992

Site: ESSO IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION**
SUPERIOR ST WHITE RIVER ON

Database:
[EXP](#)

Instance No: 11049445
Instance ID: 65246
Instance Type: FS Liquid Fuel Tank
Description: FS Liquid Fuel Tank
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:

Expired Date:

Site: ESSO IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION**
SUPERIOR ST WHITE RIVER ON M3J 2E4

Database:
EXP

Instance No: 9503424
Instance ID:
Instance Type: FS Facility
Description:
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date: 11/27/1992

Site: ESSO IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION**
SUPERIOR ST WHITE RIVER ON

Database:
EXP

Instance No: 11049437
Instance ID: 65851
Instance Type: FS Liquid Fuel Tank
Description: FS Liquid Fuel Tank
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

Site: CPRAIL
MISSANBIE ON

Database:
NATE

File No.: 44622M
Reported By: Province
Material Reaction::
Spill Date: 870506
Lead Agency:
Basin:: St. Lawrence River Drainage
Air::
DOE on Scene:
Land:: Y
Fresh Water::
Ground Water::
Salt Water::
Other Environment::
Waterbody::
Cause:: Container Leak
Reason:: Unknown
Source:: Train
Sector:: Transportation
Ship No.:
Ship Name::
Clean Up By:: polluter
Disposal Method:: landfill
Recovery %:: 80.00
Act Invoked:: None
Enforcement Resp::
Fish Kill:: N
Oiled Birds:: N
Other Kill:: N
Vegetation Damage:: N
Property Damage:: N
Drinking Water:: N
Income Loss:: N
Other Consequences:: N
No. of Injuries::

No. of Evacuations::
Fine:: 0.00
No. of Dead::
Cleanup Cost:: 0.00
Material:: chemical nos
Amount (ton):: 0.20
Volume (L):: 0.00
Concentration:: 0.00
Phase::
Additional Info::

Site: CPR
WHITERIVER ON

Database:
NATE

File No.: MOE76005
Reported By: Province
Material Reaction::
Spill Date: 751207
Lead Agency:
Basin:: St. Lawrence River Drainage
Air::
DOE on Scene:
Land:: Y
Fresh Water::
Ground Water::
Salt Water::
Other Environment::
Waterbody::
Cause:: Valve, Fitting Leak
Reason:: Vandalism
Source:: Storage Depot
Sector:: Transportation
Ship No.::
Ship Name::
Clean Up By:: polluter
Disposal Method:: unknown
Recovery %:: 50.00
Act Invoked:: None
Enforcement Resp::
Fish Kill:: N
Oiled Birds:: N
Other Kill:: N
Vegetation Damage:: N
Property Damage:: N
Drinking Water:: N
Income Loss:: N
Other Consequences:: N
No. of Injuries::
No. of Evacuations::
Fine:: 0.00
No. of Dead::
Cleanup Cost::
Material:: fuel oil no. 2
Amount (ton):: 12.50
Volume (L)::
Concentration::
Phase::
Additional Info::

Site: CPRAIL
WHITERIVER ON

Database:
NATE

File No.: 44622W
Reported By: Province
Material Reaction::
Spill Date: 870429
Lead Agency:

Basin:: St. Lawrence River Drainage
Air::
DOE on Scene:
Land:: Y
Fresh Water::
Ground Water::
Salt Water::
Other Environment::
Waterbody::
Cause:: Container Leak
Reason:: Error
Source:: Train
Sector:: Transportation
Ship No.::
Ship Name::
Clean Up By:: polluter
Disposal Method:: landfill
Recovery %:: 80.00
Act Invoked:: None
Enforcement Resp::
Fish Kill:: N
Oiled Birds:: N
Other Kill:: N
Vegetation Damage:: N
Property Damage:: N
Drinking Water:: N
Income Loss:: N
Other Consequences:: N
No. of Injuries::
No. of Evacuations::
Fine:: 0.00
No. of Dead::
Cleanup Cost:: 0.00
Material:: fuel oil no. 2
Amount (ton):: 0.60
Volume (L):: 0.00
Concentration:: 0.00
Phase::
Additional Info::

Site: CPRAIL
WHITERIVER ON

Database:
NEES

Incident Date: 4/29/87
Contaminant: fuel oil no. 2
Amount:: 0.6
Units:: Tonnes (Metric)
Quantity::
Cause:: Container Leak
Source:: Train
Reason:: Error
Sector:: Transportation

Site: CPR
WHITERIVER ON

Database:
NEES

Incident Date: 12/7/75
Contaminant: fuel oil no. 2
Amount:: 12.5
Units:: Tonnes (Metric)
Quantity::
Cause:: Valve, Fitting Leak
Source:: Storage Depot
Reason:: Vandalism
Sector:: Transportation

Site: CANADIAN PACIFIC RAILWAY WHITE RIVER ON P0M 3G0 Company Code: 03205 Industry: Rail Site Status: Transaction Date: 6/7/1991 Inspection Date: 2/15/1991	Database: NPCB
Site: C.P. RAIL C.P. RAIL SWITCHING YARD WINNIPEG ST. WHITE RIVER ON P0M 3G0 Year: 1992 Site Number: 50389A006 Name Owner: Additional Site Information:	Database: OPCB
Site: THE LITTLE BEAVER VARIETY LTD 101 SUPERIOR AV KOMOKA ON Location ID: 7416 Type: retail Expiry Date: 1993-05-31 Capacity (L): 108000 Licence #: 0010324001	Database: PRT
Site: ESSO PETROLEUM CANADA ATTN DARLENE COMMERCIAL LUB SUPERIOR ST WHITE RIVER ON Location ID: 16965 Type: retail Expiry Date: 1993-04-30 Capacity (L): 326270 Licence #: 0016533383	Database: PRT
Site: C.P. RAIL-WHITE RIVER YARD C.P. RAIL SWITCHING YARD, WHITE RIVER WHITE RIVER ON Receiver #: 503-89A006 Facility Type: PCB STORAGE SITE Approval Yrs:: 01,02,03,04,05,06,07,08 --Details-- Waste Code: 243 Waste Description: PCB'S	Database: REC
Site: Canadian Pacific Railway Company White River ON Ref No: 8572-9TRVAT Contaminant Code: 15 Contaminant Name: Oily Water Contaminant Quantity: 1059 L Incident Cause: Start up/Shut down Incident Dt: 2/15/2015 Incident Reason: Temperature Incident Summary: CP Rail: Max of approx. 1059 L of water mixed with engine oil to soil MOE Reported Dt: 2/15/2015 Environmental Impact: Nature of Impact: Land	Database: SPL

Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: White River

Site: Lisgar St at CP Bunk House White River ON

Database:
[SPL](#)

Ref No: 2764-A8FJF4
Contaminant Code: 44
Contaminant Name: SEWAGE,RAW UNCHLORINATED
Contaminant Quantity: 0 L
Incident Cause:
Incident Dt: 2016/03/27
Incident Reason: Equipment Failure
Incident Summary: Forcemain break: sewage to ground, contained, cleaning
MOE Reported Dt: 2016/03/27
Environmental Impact:
Nature of Impact:
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type: Municipal Sewage
Receiving Environment: Land
Incident Event: Leak/Break
Site Municipality: White River

Site: PUC
SOUTHEAST END OF ONTARIO STREET SANITARY SEWER WHITE RIVER TOWNSHIP ON

Database:
[SPL](#)

Ref No: 121435
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 12/2/1995
Incident Reason: ICE/FROST DAMAGE
Incident Summary: TWP. OF WHITE RIVER: SEWAGE TO FIELD AFTER SEWER BROKE
MOE Reported Dt: 12/2/1995
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 80617

Site: UNKNOWN
TOWN OF WHITE RIVER LISGAR ST WHITE RIVER TOWNSHIP ON

Database:
[SPL](#)

Ref No: 2565
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: UNKNOWN
Incident Dt: 4/18/1988
Incident Reason: UNKNOWN
Incident Summary: OIL SHEEN ON WHITE RIVER - SOURCE UNKNOWN.
MOE Reported Dt: 4/18/1988
Environmental Impact:
Nature of Impact:
Receiving Medium: WATER
SAC Action Class:

Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 80617

Site: The Corporation of the Township of White River
near CP Rail bunk house White River ON

Database:
[SPL](#)

Ref No: 1668-8FCK4D
Contaminant Code: 44
Contaminant Name: SEWAGE,RAW CHLORINATED
Contaminant Quantity: 0 other - see incident description
Incident Cause:
Incident Dt: 3/27/2011
Incident Reason:
Incident Summary: Township of White Water: sewage line broken, cntd
MOE Reported Dt: 3/27/2011
Environmental Impact: Confirmed
Nature of Impact: Soil Contamination
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type: Sewer
Receiving Environment:
Incident Event:
Site Municipality: White River

Site: VIA RAIL CANADA INC.
TOWN OF WHITE RIVER C.P. RAIL YARD WHITE RIVER TOWNSHIP ON

Database:
[SPL](#)

Ref No: 14569
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: OTHER CONTAINER LEAK
Incident Dt: 2/7/1989
Incident Reason: UNKNOWN
Incident Summary:
MOE Reported Dt: 2/7/1989
Environmental Impact:
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 80617

Site: Canadian Pacific Railway Company
Mile marker 129.9 on the White River Subdivision WHITE RIVER LOCOMOTIVE SHOP TRACK<UNOFFICIAL> White River ON

Database:
[SPL](#)

Ref No: 3374-6VNNVP
Contaminant Code: 15
Contaminant Name: ENGINE OIL
Contaminant Quantity: 1125 L
Incident Cause:
Incident Dt: 11/18/2006
Incident Reason: Equipment Failure
Incident Summary: CP Rail: 250gal engine oil to track
MOE Reported Dt: 11/18/2006
Environmental Impact: Possible
Nature of Impact: Soil Contamination
Receiving Medium: Land
SAC Action Class:
Sector Source Type: Train

Receiving Environment:
Incident Event:
Site Municipality: White River

Site: Canadian Pacific Railway Company
Mile 0, Heronbay Subdivision White River ON

Database:
SPL

Ref No: 4666-9HZQX6
Contaminant Code: 14
Contaminant Name: LUBRICANT OIL(LUBE OIL)
Contaminant Quantity: 189 L
Incident Cause: Leak/Break
Incident Dt: 2014/04/07
Incident Reason: Equipment Failure
Incident Summary: CP Rail: 50 gal of lube oil to grnd, clineg
MOE Reported Dt: 2014/04/09
Environmental Impact: Not Anticipated
Nature of Impact: Soil Contamination
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type: Other
Receiving Environment:
Incident Event:
Site Municipality: White River

Site: CANADIAN PACIFIC RAILWAYS
CPR WHITE RIVER SUBDIV'N, MILE 69, NEAR LOCHALSH (@ 70 MILES WEST OF CHAPLEAU) TRAIN ALGOMA DISTRICT ON

Database:
SPL

Ref No: 176892
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: DERAILMENT
Incident Dt: 1/22/2000
Incident Reason: UNKNOWN
Incident Summary: CPR-DERAILMENT OF 36 CARSO OF DURHAM GRAIN ONLY, NO LOCOMOTIVES.CLEANING.
MOE Reported Dt: 1/22/2000
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 80000

Site: CANADIAN PACIFIC RAILWAYS
CP YARD TRAIN WHITE RIVER TOWNSHIP ON

Database:
SPL

Ref No: 50166
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: CONTAINER OVERFLOW
Incident Dt: 5/7/1991
Incident Reason: ERROR
Incident Summary: CP RAILWAYS: 200 L DIESELFUEL TO GROUND DURING REFUELING
MOE Reported Dt: 5/7/1991
Environmental Impact: CONFIRMED
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:

Incident Event:
Site Municipality: 80617

Site: Canadian Pacific Railway Company
CP Jackfish Siding White River; Terrace Bay ON

Database:
SPL

Ref No: 2800-9HFNVC
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Quantity: 3785 L
Incident Cause: Leak/Break
Incident Dt: 2014/03/22
Incident Reason: Equipment Failure
Incident Summary: CP Rail - White River Yard - diesel spill to ground
MOE Reported Dt: 2014/03/22
Environmental Impact: Not Anticipated
Nature of Impact: Soil Contamination
Receiving Medium:
SAC Action Class: Derailment / Railway Spills
Sector Source Type: Train
Receiving Environment:
Incident Event:
Site Municipality: White River; Terrace Bay

Site: CANADIAN PACIFIC RAILWAYS
CP 114.9 MILES. MOTOR VEHICLE (OPERATING FLUID) WHITE RIVER TOWNSHIP ON

Database:
SPL

Ref No: 157956
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 7/14/1998
Incident Reason: EQUIPMENT FAILURE
Incident Summary: CP RAILWAYS-270 L HYDRAU-LIC OIL ONTO TRACKS FROM REPAIR MOTORIZED MACHINE.
MOE Reported Dt: 7/14/1998
Environmental Impact: CONFIRMED
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 80617

Site: ESSO PETROLEUM CANADA
C.P.R. PROPERTY TANK TRUCK (CARGO) WHITE RIVER TOWNSHIP ON

Database:
SPL

Ref No: 50187
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: CONTAINER OVERFLOW
Incident Dt: 5/7/1991
Incident Reason: ERROR
Incident Summary: ESSO PETROLEUM -200 L. DIESEL FUEL TO GROUND WHILE FUELING CPR TRAIN.
MOE Reported Dt: 5/8/1991
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 80617

Site: CANADIAN PACIFIC RAILWAYS
TRAIN WHITE RIVER TOWNSHIP ON

Database:
SPL

Ref No: 26459
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 10/12/1989
Incident Reason: UNKNOWN
Incident Summary: C.P.RAIL ENGINE-2500 L DIESEL FUEL TO RAIL YARD.
MOE Reported Dt: 10/12/1989
Environmental Impact:
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 80617

Site: ONTARIO CLEAN WATER AGENCY
DURHAM ST. P.S. SANITARY SEWER/PUMPING STATION WHITE RIVER TOWNSHIP ON

Database:
SPL

Ref No: 98157
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 4/4/1994
Incident Reason: EQUIPMENT FAILURE
Incident Summary: OCWA WHITE WATER WPCP - 327 M3 OF SEWAGE TO LAND, BROKEN FORCEMAIN.
MOE Reported Dt: 4/5/1994
Environmental Impact: POSSIBLE
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 80617

Site: Canadian Pacific Railway Company
White River Subdivision, Mileage 129.9 White River ON

Database:
SPL

Ref No: 2788-5Y9GM9
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Quantity: 757 L
Incident Cause: Unknown
Incident Dt: 4/21/2004
Incident Reason: Unknown - Reason not determined
Incident Summary: CP Rail: 757L Dsl to Grd, Twn of White R.
MOE Reported Dt: 4/21/2004
Environmental Impact: Possible
Nature of Impact: Soil Contamination
Receiving Medium: Land
SAC Action Class: Spills
Sector Source Type: Train
Receiving Environment:
Incident Event:
Site Municipality: White River

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

AGR

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial

AGR

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Sep 2016

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-Nov 2016

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

Automobile Wrecking & Supplies:

Private

AUWR

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

Government Publication Date: 1999-May 2017

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 2014

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*

Commercial Fuel Oil Tanks:

Provincial

CFOT

Since May 2002, Ontario developed a new act where it became mandatory for fuel oil tanks to be registered with Technical Standards & Safety Authority (TSSA). This data would include all commercial underground fuel oil tanks in Ontario with fields such as location, registration number, tank material, age of tank and tank size.

Government Publication Date: Feb 28, 2017

Chemical Register:

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-May 2017

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 31, 2012

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-May 2017

Certificates of Property Use:

Provincial

CPU

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

Government Publication Date: 1994-Jun 2017

Drill Hole Database:

Provincial

DRL

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886-Aug 2015

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-Mar 2017

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-Jun2017

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-Mar 2017

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 2016

Environmental Issues Inventory System:

Federal

EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial

EMHE

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

Government Publication Date: Dec 31, 2016

List of TSSA Expired Facilities:

Provincial

EXP

List of facilities with removed tanks which were once registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed automatically fall under the expired facilities inventory held by TSSA.

Government Publication Date: Feb 28, 2017

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.

Government Publication Date: Jun 2000-Mar 2017

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-Sept 2003

Fuel Storage Tank:

Provincial

FST

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

Government Publication Date: Feb 28, 2017

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-Sep 2016

Greenhouse Gas Emissions from Large Facilities:

Federal

GHG

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

Government Publication Date: 2013-Dec 2015

TSSA Historic Incidents:

Provincial

HINC

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

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*

TSSA Incidents:

Provincial

INC

TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario:

Provincial

LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills will include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Dec 31, 2013

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 2017

National Analysis of Trends in Emergencies System (NATES):

Federal

NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial

NCPL

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

Government Publication Date: Dec 31, 2014

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-Aug 2010

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 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 2016

National Energy Board Wells:

Federal

NEBW

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

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

Government Publication Date: 1974-2003***National PCB Inventory:**

Federal

NPCB

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

Government Publication Date: 1988-2008***National Pollutant Release Inventory:**

Federal

NPRI

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

Government Publication Date: 1993-2014**Oil and Gas Wells:**

Private

OGW

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

Government Publication Date: 1988-May 2017**Ontario Oil and Gas Wells:**

Provincial

OOGW

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

Government Publication Date: 1800-Oct 2016**Inventory of PCB Storage Sites:**

Provincial

OPCB

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

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

Provincial

ORD

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

Government Publication Date: 1994-Jun 2017**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**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: 1988-Oct 2016

TSSA Pipeline Incidents:

Provincial PINC

TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks:

Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial PTTW

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

Government Publication Date: 1994-Jun 2017

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: 1986-2013

Record of Site Condition:

Provincial RSC

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

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Jun 2017

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-May 2017

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

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-Feb 2017

Wastewater Discharger Registration Database:

Provincial

SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-2014

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-Jan 2015

TSSA Variances for Abandonment of Underground Storage Tanks:

Provincial

VAR

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all 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.

Government Publication Date: Feb 28, 2017

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 ERI'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: 1970-Mar 2017

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 ERI's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial

WWIS

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

Government Publication Date: Jun 30, 2016

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: Site Photographs



Photo 1: View facing southwest of the P1ESA property.



Photo 2: View facing northwest of the P1ESA property.



Photo 3: View facing northeast of the P1ESA property.



Photo 4: View facing southeast of the P1ESA property.



Photo 5: View facing north of the municipal sewage pumping system located on the northeast corner of the P1ESA property.



Photo 6: View facing east of the neighbouring seniors' housing complex.



Photo 7: View facing southwest of the municipal sewage pumping station at the corner of Lisgar and Superior Streets.



Photo 8: View facing east of rusty 205-litre drums and various items at the south neighbouring residential property (104 Ontario Street).



Photo 9: View facing east of a propane AST at the residential property located south of the subject property.



Photo 10: View facing northeast toward the three-storey apartment building and parking lot.



Photo 11: View facing west of a metal storage yard located west of the subject property on Superior Street.



Photo 12: View facing west of the Municipal Office/Library located northwest of the subject property.